



ภาคผนวก

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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ภาคผนวก ก

ข้อมูลที่น่าสนใจ

ตาราง ก-1 ข้อมูลดัชนีตลาดหลักทรัพย์ในกลุ่มประเทศอาเซียน จำนวน 6 ประเทศ

วันที่	ดัชนีตลาดหลักทรัพย์					
	SET Index	Straits Times	KLSE- Composite	PSE- Composite	JSX- Composite	HOSE Index
12/30/10	1049.79	3300.4	1519.84	4295.62	3699.263	457.13
12/29/10	1047.55	3313.61	1526.53	4266.45	3737.484	449.4
12/28/10	1042.28	3289.24	1528.01	4197.57	3756.967	451.26
12/23/10	1037.41	3176.91	1510.58	4148.03	3689.666	489.65
12/22/10	1035.85	3210.2	1521.29	4209.42	3786.097	460.45
12/21/10	1035.47	3147.2	1509.1	4089.75	3658.314	493.47
12/20/10	1034.59	3207.91	1524.34	4199.31	3699.217	478.75
12/17/10	1034.06	3172.44	1500.98	4176.48	3696.26	464.35
12/16/10	1033.32	3182.32	1509.79	4115.38	3692.232	490.22
12/15/10	1032.76	3212.46	1518.91	4201.14	3703.512	481.4
12/14/10	1031.97	3197.96	1503.22	4148.9	3694.58	457.42
12/13/10	1031.61	3240.31	1511.74	4397.3	3629.046	448.95
12/9/10	1029.86	3293.39	1513.7	4144.41	3744.618	446.69
12/8/10	1029.6	3147.67	1497.52	4039.4	3571.738	480.21
12/3/10	1029.14	3236.8	1501.56	4139.32	3656.462	433.54
12/2/10	1028.33	3183.7	1517.44	4163.99	3659.993	479.33
12/1/10	1025.08	3202.8	1510.06	4221.09	3769.993	452.83
11/30/10	1022.46	3153.01	1499.88	4057.33	3581.565	485.29
11/26/10	1021.27	3137.78	1514.48	4166.04	3611.531	475.41
11/25/10	1019.19	3190.92	1503.2	4186.89	3741.229	426.19
11/24/10	1019.14	3144.31	1515.05	4113.69	3620.684	481.53
11/23/10	1018.86	3252	1499.81	4076.68	3665.846	441.6
11/22/10	1017.64	3181.94	1485.42	4002.88	3619.094	449.93
11/19/10	1014.2	3224.97	1507.6	4381.86	3605.673	444.16
11/18/10	1013.19	3139.85	1505.18	4091.86	3637.446	481.78
11/15/10	1009.47	3126.3	1487.53	4147.35	3678.194	430.81
11/12/10	1008.77	3197.37	1506.05	4203.6	3725.048	426.51
11/11/10	1006.51	3132.96	1495.88	4077.06	3568.81	478.29
11/10/10	1005.97	3137.01	1488.54	4124.54	3658.777	434.48

11/9/10	1005.58	3205.28	1506.57	4341.74	3625.488	446.3
11/8/10	1005.12	3144.7	1485.23	3953.7	3531.211	451.59
11/4/10	1004.72	3215.22	1496.65	4120.62	3677.904	430.72
11/3/10	997.15	3204.27	1489.86	4216.35	3597.031	458.39
11/2/10	996.42	3159.23	1496.49	4097.49	3702.013	439.85
10/29/10	996.04	3162.51	1496.94	4279.53	3654.102	455.12
10/28/10	993.72	3195.02	1496.38	4233.38	3618.478	458.66
10/27/10	992.6	3202.16	1496.97	4194.06	3611.979	457.7
10/26/10	992.24	3173.57	1490.64	4286.87	3597.745	445.21
10/22/10	991.71	3158.08	1492.05	4053.58	3642.5	439.94
10/21/10	989.27	3192.29	1488.65	4191.25	3592.788	454.25
10/20/10	988.8	3163.53	1491.02	4249.17	3588.01	445.05
10/19/10	988.11	3179.15	1486.78	4191.96	3578.954	442.17
10/18/10	987.23	3129.5	1499.44	4260.69	3638.826	450.07
10/15/10	984.46	3142.62	1505.66	4268.74	3635.324	452.63
10/14/10	984.03	3181.27	1480.7	4215.11	3566.918	457.59
10/13/10	983.96	3124.38	1499.11	4285.07	3624.467	450.01
10/12/10	979	3190.07	1479.61	4196.73	3603.404	460.72
10/11/10	978.58	3130.9	1466.32	4111.99	3547.115	451.71
10/8/10	977.85	3163.41	1487.41	4218.79	3548.746	459.32
10/7/10	977.08	3149.36	1486.57	4166.52	3547.248	454.32
10/6/10	975.3	3097.63	1463.5	4100.07	3501.296	454.52
10/5/10	970.9	3166.65	1481.45	4245.05	3586.186	462.05
10/4/10	969.65	3106.03	1461.78	4111.05	3495.464	452.94
10/1/10	969.28	3162.36	1472.19	4171.87	3591.695	450.96
9/30/10	964.22	3157.45	1462.27	4188.31	3569.498	445.83
9/29/10	963.19	3153.34	1481.41	4236.98	3546.954	459.26
9/28/10	962.47	3113.46	1464.71	4122.83	3468.036	450.2
9/27/10	959.27	3097.35	1459.64	4123.95	3472.707	455.13
9/24/10	951.9	3092.68	1451.19	4078.87	3397.626	449.71
9/23/10	947.1	3083.13	1458.08	4067.43	3337.197	450.77
9/22/10	945	3096.1	1474.75	4054.18	3343.343	453.9
9/21/10	937.21	3095.39	1475.99	4087.96	3365.037	453.32
9/20/10	931.52	3034.58	1434.68	3744.01	3217.148	466
9/17/10	923.89	3036.09	1434.27	3775.42	3230.888	460.59
9/15/10	923.57	3076.37	1466.97	3979.35	3384.653	457.58
9/7/10	923.06	3080.98	1469.69	4053.32	3370.982	457.87
9/6/10	921.1	3071.03	1472.95	3973.48	3357.032	448.72
9/1/10	919.34	2982.83	1431.96	3593.41	3135.316	458.75
8/27/10	907.28	3763.57	1413.65	3758.97	2643.487	1065.09
8/26/10	906.66	3760.11	1412.79	3783.43	2662.922	1069.78
8/25/10	900.37	2938.74	1411.05	3558.67	3104.733	429.14

8/24/10	894.78	2925.99	1403.15	3613.37	3128.734	447.92
8/23/10	894.57	3735.86	1398.35	3784.88	2624.432	1092.48
8/20/10	893.92	2936.48	1395.02	3593.6	3117.72	454.84
8/19/10	893.45	3670.78	1378.27	3767.78	2596.663	1095.53
8/18/10	891.23	2946.77	1392.56	3560.39	3105.35	452.23
8/16/10	890.45	2922.85	1405.77	3530.49	3114.939	434.42
8/11/10	889.06	3831.19	1383.61	3824.2	2638.213	1099.31
8/10/10	886.31	3651.77	1389.11	3773.63	2681.902	1031.71
8/6/10	886.1	2925.87	1408	3595.58	3145.135	427.07
8/5/10	884.53	3800.01	1374.39	3760.04	2641.59	1101.29
8/4/10	884.51	2926.55	1396.97	3554.15	3138.91	423.89
8/3/10	884.19	3196.9	1281.2	2872.45	2494.709	441.75
8/2/10	884.16	3517.6	1381.5	3659.68	2365.263	956.13
7/30/10	883.65	3571.37	1379.73	3645.51	2394.565	972.56
7/29/10	880.95	3601.53	1392.18	3706.24	2401.144	982.43
7/28/10	880.27	3643.87	1413.85	3788.26	2713.978	1031.2
7/27/10	880.02	2919.37	1385.51	3534.8	3072.087	455.49
7/23/10	876.75	3776.19	1376.32	3771.12	2616.74	1088.68
7/22/10	875.83	3714.85	1370.17	3819.75	2563.752	1097.07
7/21/10	875.59	3122.15	1274.78	2849.28	2465.955	428.05
7/20/10	875.1	3768.85	1376.93	3834.71	2591.483	1104.67
7/19/10	875.07	2995.06	1360.45	3516.28	3060.593	482.82
7/16/10	874.92	3006.76	1362.08	3521.1	3044.941	486.21
7/15/10	874.64	3573.52	1402.25	3703.66	2707.667	1018.29
7/14/10	874.54	3160.86	1277.57	2838.58	2503.952	434.75
7/13/10	872.86	3622.12	1384.73	3774.81	2652.478	1047.15
7/12/10	870.33	3241.49	1300.67	2879.95	2468.84	460.04
7/9/10	867.59	3815.69	1369.39	3776	2546.608	1097.36
7/8/10	867.34	3001.87	1362.74	3503.49	2983.247	486.71
7/7/10	866.03	3605.68	1359.83	3763.47	2524.981	1096.2
7/6/10	864.48	3014.77	1363.83	3484.08	2973.656	491.9
7/5/10	863.58	3427.64	1355.38	3518.76	2298.414	940.36
7/2/10	863.18	3025.04	1363.6	3455.24	3058.979	491.61
6/29/10	863.16	3771.46	1364.14	3873.5	2523.701	1084.87
6/28/10	862.62	3569.77	1381.53	3737.79	2380.21	979.23
6/25/10	862.16	2949.26	1352.91	3522.72	3035.318	463.12
6/24/10	861.95	2984.29	1359.71	3525.81	3057.161	461.67
6/23/10	861.93	3476.31	1382.35	3618.37	2671.902	1006.12
6/22/10	861.51	3506.93	1384.58	3681.62	2691.871	993.75
6/21/10	860.55	2933.51	1370.58	3479.67	3052.599	464.76
6/18/10	860.09	3609.6	1350.81	3667.87	2453.211	1085.74
6/17/10	859.76	3481.02	1373.71	3501.2	2348.673	907.95

6/16/10	859.14	3574.28	1384.72	3786.02	2301.601	1015.73
6/15/10	858.45	3542.43	1371.45	3713.22	2282.379	1023.04
6/11/10	858.1	3430.89	1447.04	3621.6	2745.826	927.02
6/10/10	857.66	3449.28	1383.43	3599.49	2654.208	973.59
6/9/10	857.08	3574.58	1381.51	3753.26	2286.218	995.83
6/8/10	856.91	3570.62	1377.48	3729.68	2301.342	1000.33
6/7/10	856.8	3103.3	1273.37	2840.52	2419.727	420.51
6/4/10	855.83	2987.7	1360.92	3426.95	3069.28	493.91
6/3/10	855.61	3207.43	1294.15	2878.26	2449.811	466.67
6/2/10	855.52	3460.32	1390	3672.22	2705.82	1002.71
6/1/10	854.59	2997.65	1358.41	3429.35	3096.816	491.11
5/31/10	853.78	2985.38	1355.19	3451.91	3057.475	491
5/27/10	853.68	2979.38	1352.23	3436.59	3041.678	497.67
5/26/10	853.43	3736.41	1368.72	3677.19	2464.943	1099.48
5/25/10	852.47	3696.26	1347.05	3597.92	2399.456	1084.39
5/24/10	852.33	3768.13	1372.39	3775.91	2500.581	1081.63
5/19/10	852.06	3461.82	1437.82	3667.64	2739.704	921.75
5/18/10	850.58	3696.92	1366.96	3769.82	2451.586	1106.6
5/17/10	850.54	3584.08	1382.36	3738.28	2366.396	981.31
5/14/10	850.17	3171.88	1280.35	2760.62	2376.933	507.94
5/12/10	850.02	3187.23	1279.3	2855.75	2289.096	530.62
5/11/10	849.56	3508.37	1369.23	3734.8	2294.591	994.73
5/7/10	849.07	3416.9	1386.64	3598.96	2668.704	998.22
5/6/10	848.95	3728.45	1369.84	3775.46	2473.155	1087.76
5/4/10	848.94	3198.51	1287.74	2862.53	2449.338	475.5
4/29/10	848.71	3228.95	1287.15	2739.43	2382.699	515.26
4/28/10	847.26	3534.65	1376.4	3702.91	2333.683	984.43
4/27/10	846.71	3162.03	1285.27	2779.42	2375.027	500.33
4/26/10	846.28	3517.03	1359.27	3696.51	2273.417	1029.85
4/22/10	845.83	3248.75	1276.09	2727.7	2371.827	518.35
4/21/10	845.76	3026.45	1357.4	3129.99	2721.944	663.3
4/20/10	845.5	3645.41	1336.3	3572.9	2359.206	1046.86
4/19/10	845.43	3126.3	1256.54	2940.48	2341.78	537.58
4/16/10	845.4	3124.87	1267.65	2915.67	2349.269	537.31
4/12/10	845.19	3533.9	1440.39	3733.96	2795.399	974.46
4/8/10	844.8	3438.29	1374.32	3578.55	2699.817	980.09
4/7/10	844.4	3590.51	1320.89	3475.75	2361.013	1015.91
4/5/10	844.19	3547.91	1378.69	3736.26	2271.344	1010.27
3/31/10	843.87	3543.51	1366.02	3756.75	2284.916	1017.68
3/30/10	843.05	3653.84	1335.66	3577.51	2378.83	1014.09
3/29/10	842.97	3444.34	1435.68	3617.29	2731.507	921.07
3/26/10	842.92	2926.55	1330.61	3079.99	2652.312	635.24

3/25/10	842.22	3180.16	1293.09	2803.49	2378.003	492.04
3/24/10	842.12	3074.15	1368.27	3112.85	2756.314	678.12
3/23/10	841.98	3171.09	1280	2890.92	2335.889	534.92
3/22/10	841.39	3533.4	1434.04	3745.39	2778.947	974.63
3/19/10	841.2	3458.19	1424.02	3612.63	2714.548	924.37
3/18/10	840.45	3570.51	1434.16	3672.38	2810.962	941.04
3/17/10	840.24	2973.47	1345.68	3416.1	3042.02	500.31
3/15/10	839.28	3203.42	1286.54	2849.29	2418.9	483.92
3/12/10	837.73	3372.14	1335.42	3352.24	2269.791	892.88
3/11/10	837.66	3193.84	1288.16	2824.81	2314.302	521.95
3/10/10	836.51	3574.46	1317.24	3434.45	2353.63	975.82
3/9/10	836.42	3201.63	1295.31	2739.44	2254.308	519.42
3/8/10	836.4	3445.13	1403.41	3538.69	2740.061	922.09
3/5/10	835.62	3098.06	1425.49	3190.67	2711.872	776.79
3/4/10	835.18	3563.93	1316.43	3440.67	2330.363	1009.88
3/3/10	834.67	3077.83	1375.43	3079.54	2738.872	692.91
3/2/10	834.31	3177.55	1293.08	2844.02	2269.98	518.42
2/25/10	834.09	3530.86	1423.72	3605.59	2795.839	946.32
2/24/10	833.65	3192.62	1276.1	2827.44	2444.349	414.1
2/23/10	833.63	3172.36	1283.65	2754.29	2303.526	522.36
2/22/10	833.47	3364.33	1339.49	3426.45	2256.308	923.14
2/12/10	833.38	3087.49	1253.64	2921.74	2337.923	531.38
2/11/10	833.34	3501.1	1415.81	3644.45	2752.943	988.91
2/10/10	833.09	3457.28	1410.56	3626.21	2755.729	930.36
2/9/10	833.01	2955.67	1336.05	3414.9	3009.923	500.28
2/8/10	832.78	3381.5	1364.37	3537.29	2648.044	991.38
2/5/10	832.63	3375.33	1435.38	3501.38	2715.065	908.25
2/4/10	832.38	3484.31	1373.84	3751.02	2227.051	1010.53
2/3/10	832.19	3189.2	1288.08	2777.93	2240.578	515.88
2/2/10	832.11	3045.59	1436.1	3211.6	2675.645	823.46
1/29/10	832.04	3094.45	1376.62	3105	2740.138	686.49
1/28/10	831.64	3356.34	1307.17	3375.91	2262.636	910.05
1/27/10	831.51	3480.52	1305.94	3423.73	2335.487	958.67
1/26/10	831.41	2919.68	1314.02	3108.72	2634.752	608.88
1/25/10	831.14	3383.27	1379.91	3645.22	2646.813	998.75
1/22/10	831.12	3485.11	1419.34	3626.88	2726.925	987.96
1/21/10	830.93	2926.09	1341.02	3418.71	3013.401	505.4
1/20/10	830.4	2945.42	1333.35	3424.29	2975.572	506.84
1/18/10	830.29	3362.61	1333.28	3359.02	2270.854	911.18
1/15/10	830.05	3403.81	1371.7	3540.61	2624.862	983.52
1/14/10	829.41	2949.54	1423.15	3223.35	2610.781	817.86
1/13/10	827.71	2917.92	1299.69	3116.84	2656.456	611.17

1/12/10	827.54	2957.72	1336.65	3442.68	2992.45	506.21
1/11/10	827.13	3026.83	1414.32	3181.05	2689.256	744.92
1/7/10	827	2917.94	1232.59	2953.39	2556.242	643.9
1/6/10	826.86	3048.64	1369.48	3080.24	2741.181	687.1
1/5/10	826.85	3130.42	1225.71	2981.12	2249.77	548.56
1/4/10	826.68	3171.55	1225.58	3034.81	2237.971	529.23
12/29/09	826.65	3088.68	1427.19	3182.85	2688.191	816.03
12/28/09	826.19	3089.72	1227.74	2961.78	2180.089	552.05
12/23/09	825.71	3124.61	1239.65	3048.31	2342.189	525.11
12/22/09	825.45	3484.69	1377.14	3724.56	2196.105	1013.56
12/21/09	825.17	3031.9	1258.41	2956.02	2477.586	512.7
12/17/09	824.99	3083.34	1412.83	3163.25	2684.702	782.57
12/16/09	824.98	2910.77	1280.23	3092.65	2639.652	583.45
12/15/09	824.8	3155.56	1221.98	2983.04	2277.085	533
12/14/09	824.41	2948.61	1337.67	3405.69	2995.441	506.56
12/11/09	824.25	3282.78	1353.55	3494.44	2584.347	975.92
12/9/09	823.93	3475.39	1369.3	3791.42	2220.931	1012.82
12/8/09	823.36	3046.54	1250.41	2969.83	2393.249	520.99
12/4/09	822.99	3337.78	1364.99	3524.19	2627.954	988.08
12/3/09	822.96	3025.2	1254.03	2925.91	2451.35	508.75
12/2/09	821.71	3416.48	1466.67	3479.37	2765.19	903.09
12/1/09	821.57	2866.28	1296.33	3028.73	2656.456	640.14
11/26/09	821.02	2943.55	1334.08	3467.63	2980.597	505.19
11/25/09	820.98	3064.6	1248.19	2955.11	2235.934	545.73
11/24/09	820.6	2917.17	1324.31	3394.56	2943.896	499.46
11/23/09	820.52	3334.43	1366.58	3537	2671.895	984.57
11/20/09	820.47	3344.53	1491.66	3416.08	2830.263	878.41
11/19/09	820.31	3000.19	1229.95	2892.2	2419.616	496.64
11/18/09	819.83	2860.85	1206.54	2909	2523.534	638.71
11/17/09	819.61	2925.32	1326.74	3406.96	2958.791	499.93
11/16/09	819.54	2952.81	1341.08	3472.33	2981.059	507.34
11/13/09	818.04	2839.01	1194.84	2906.53	2383.42	643.8
11/12/09	817.62	3325.57	1391.61	3486.82	2664.918	911.15
11/11/09	817.57	2897.15	1316.03	3398.16	2915.908	498.55
11/10/09	817.57	2995.22	1245.42	2918.37	2440.64	504.67
11/9/09	817.49	2926.23	1417.52	3200.9	2592.07	841.23
11/6/09	817.35	2928.7	1332.87	3435.85	2961.512	509.08
11/5/09	817.33	3146.73	1248.57	2739.7	2402.236	384.24
11/4/09	817.03	3007.36	1247.52	2984.67	2447.299	516.85
11/3/09	815.87	3248.44	1290.9	3256.99	2189.107	883.9
10/30/09	815.52	2868.02	1307.08	3335.71	2910.648	500.82
10/29/09	815.43	3491.17	1308.67	3442.38	2304.631	963.61

10/28/09	814.68	2861.03	1311.75	3350.08	2902.044	496.91
10/27/09	814.5	3375.02	1297.93	3342.35	2214.622	925.57
10/26/09	814.4	3240.45	1290.13	3348.34	2174.071	896.91
10/22/09	814.31	2805.55	1201.35	2940.47	2440.592	647.6
10/21/09	813.9	3348.2	1385.45	3470.21	2646.228	919.6
10/20/09	813.52	3499.7	1373.14	3742.63	2189.119	977.3
10/19/09	812.63	2988.1	1345.09	3270.37	2898.582	515.82
10/16/09	812.32	2833.58	1180.02	2777.42	2339.795	588.26
10/15/09	811.95	3471.1	1289.5	3294.55	2225.607	930.46
10/14/09	811.79	3530.59	1297.16	3362.98	2313.339	946.22
10/13/09	811.69	3321.76	1489.74	3420.56	2785.625	893.74
10/12/09	810.86	3308.81	1283.75	3312.3	2215.117	929.85
10/9/09	810.22	3188.05	1262.49	2825.89	2427.768	407.94
10/8/09	809.82	3143.89	1223.56	2718.42	2399.677	390.08
10/7/09	809.82	3399.49	1298.85	3326.53	2220.777	928.36
10/6/09	808.92	3134.8	1253.12	2773.12	2362.588	395.66
10/5/09	808.82	3265.86	1344.16	3478.94	2569.514	977.17
10/2/09	808.31	3335.48	1470.77	3388.81	2776.41	887.08
10/1/09	808.15	2968.38	1341.75	3186.77	2887.246	514.79
9/30/09	807.67	2833.21	1186.54	2817.58	2323.566	573.45
9/29/09	807.58	3302.83	1359.85	3510.49	2563.621	971.49
9/28/09	807.28	2927.79	1201.02	2867.5	2339.294	521.07
9/25/09	807.1	3438.07	1284.02	3289.22	2222.746	921.31
9/24/09	806.86	3153.94	1257.57	2782.8	2403.814	401.2
9/17/09	806.74	2792.75	1177.53	2793.68	2312.321	615.71
9/16/09	806.65	2836.59	1173.22	2908.88	2527.867	658.29
9/15/09	806.52	2871.05	1329.7	3342.97	2924.79	512.82
9/14/09	806.07	2885.64	1335.29	3357.88	2941.903	514.75
9/11/09	804.98	3331.87	1387.21	3466.28	2657.977	946.78
9/10/09	804.84	3297.59	1287.7	3281.96	2207.396	935.68
9/9/09	804.4	2869.99	1325.54	3363.9	2955.732	507.28
9/8/09	804.13	2872.3	1323.44	3351.69	2934.589	512.63
9/4/09	804.03	2844.02	1299.5	3311.74	2877.304	506.54
9/3/09	802.65	3412.11	1278.34	3307.43	2223.221	934.74
9/1/09	802.57	2844.19	1307.44	3290.98	2871.554	503.65
8/28/09	802.54	3415.53	1277.33	3289.75	2239.862	935.17
8/27/09	802	3440.83	1285.94	3307.6	2209.931	921.19
8/26/09	801.54	3428.49	1286.33	3267.97	2211.413	920.48
8/25/09	801.46	3424.67	1304.9	3332.97	2239.901	934.13
8/24/09	799.09	2830.34	1319.84	3372.71	2893.371	510.71
8/20/09	796.86	2901.18	1342.89	3290.68	2959.015	549.12
8/19/09	796.85	3376.34	1290.7	3281.08	2209.642	927.14

8/18/09	793.82	3330.28	1288.34	3263.56	2168.638	923.15
8/14/09	793.67	2851.64	1326.45	3352.46	2947.023	505.12
8/13/09	793.19	2847.61	1325.87	3333.97	2914.095	511.67
8/11/09	792.71	3476.8	1364.37	3682.73	2167.82	994.17
8/7/09	792.04	3266.93	1263.7	3209.53	2134.883	901.17
8/6/09	791.94	3033.05	1230.96	2645.95	2373.817	373
8/4/09	791.85	2833.4	1317.69	3335.48	2929.589	511.18
8/3/09	791.66	3046.77	1229.28	2579.28	2374.785	370.45
7/31/09	791.58	3259.03	1273.93	3320.34	2150.715	903.94
7/30/09	791.5	3311.21	1283.62	3229.15	2117.66	887.62
7/29/09	791.25	3139.88	1460.71	3248.89	2649.279	833.81
7/28/09	791.15	3218.14	1507.04	3482.28	2810.372	841
7/27/09	790.8	3020.15	1225.54	2544.89	2409.008	370.55
7/24/09	790.72	3305.85	1273.52	3206.94	2143.109	905.48
7/23/09	789.67	3104.25	1439.49	3168.3	2611.132	847.05
7/22/09	789.34	2843.95	1304.47	3313.52	2891.098	510.76
7/21/09	788.8	2933.39	1319.35	3202.17	2798.268	500.72
7/16/09	788.21	3279.28	1278.95	3251.77	2159.609	902.58
7/15/09	787.98	2887.46	1320.57	3161.8	2777.301	499.24
7/14/09	787.59	3036.92	1238.06	2620.76	2398.041	378.2
7/13/09	786.64	2846.94	1303.13	3307.65	2858.659	510.72
7/10/09	786.54	2886.36	1309.45	3166.6	2774.85	512.12
7/9/09	785.38	2568.93	966.88	2512.23	1532.624	546.4
7/3/09	785.25	2839.65	1331.87	3167.83	2810.616	549.51
7/2/09	784.43	3259.03	1255.39	3139.46	2062.991	892.07
6/30/09	784.38	2888.37	1312.48	3171.14	2799.149	503.39
6/29/09	784.28	2579.05	966.62	2529.49	1539.401	520.82
6/26/09	784.23	2981.75	1393.25	3266	2627.251	844.11
6/25/09	783.93	2963.19	1332.93	3256.12	2850.834	515.93
6/24/09	782.91	2599.21	965.9	2589.17	1507.926	574.25
6/23/09	782.64	2979.56	1229.35	2554.75	2398.417	372.68
6/22/09	782.5	2557.9	966.05	2550.79	1553.062	542.95
6/19/09	782.48	2905.66	1304.85	3129.24	2720.862	506.53
6/18/09	780.37	2818.21	1298.37	3282.42	2830.173	508.01
6/17/09	779.79	3154.58	1505.71	3447.29	2730.031	808.83
6/16/09	778.86	2906.28	1315.14	3180.68	2813.082	505.3
6/15/09	778.42	2986.62	1209.11	2510.8	2341.362	383.78
6/11/09	777.68	3463.82	1350.72	3645	2112.851	1024.04
6/10/09	777.17	3028.24	1227.76	2637.26	2377.976	384.71
6/9/09	777.1	3553.21	1386.27	3718.88	2161.074	1045.28
6/8/09	776.79	3475.89	1354.38	3665.23	2139.278	1024.68
6/5/09	776.2	3560.37	1387.96	3714.59	2152.34	1034.43

6/4/09	775.73	2955.91	1190.54	2466.28	2332.115	392.61
6/3/09	774.59	2915.7	1296.6	3097.23	2742.974	515.99
6/2/09	774.57	2524.9	946.62	2242.76	1464.528	569.79
6/1/09	774.44	2596.83	950.23	2340.82	1499.071	612.11
5/29/09	774.39	2980.95	1203.89	2521.61	2350.892	386.48
5/28/09	773.92	3217.34	1251.82	3130.34	2029.083	915.34
5/27/09	773.8	3058.49	1453.66	3351.66	2592.311	846.07
5/26/09	773.72	2880.33	1344.1	3269.41	2847.622	519.6
5/25/09	773.06	2542.37	948.19	2262.97	1459.288	591.39
5/22/09	772.25	2889.18	1293.65	3083.89	2702.401	511.58
5/20/09	772.09	2857.67	1340.72	3262.93	2812.891	534.36
5/19/09	772.05	3542	1391.57	3701.16	2152.321	1033.69
5/18/09	771.54	2531.47	943.36	2250.48	1442.865	615.14
5/15/09	771.48	2806.51	1294.39	3357.05	2823.251	510.37
5/13/09	771.4	2929.14	1319.21	3177.56	2794.771	505.67
5/12/09	771	3436.37	1357.43	3587.21	2125.338	1032.96
5/11/09	770.61	3508.97	1360.27	3622.94	2111.752	1062.1
5/7/09	770.4	2531.8	949.29	2247.14	1481.719	621.53
5/6/09	770.33	2485.97	943.71	2216.73	1363.298	544.71
5/4/09	770.01	2535.35	947.61	2281.39	1474.609	594.02
4/29/09	769.55	2796.29	1294.67	3265.44	2801.899	504.29
4/28/09	768.9	2979.15	1195.41	2499.38	2362.744	368.95
4/27/09	768.9	3001.81	1206.67	2578.57	2371.776	366.02
4/24/09	768.79	2855.21	1339.3	3330.42	2858.385	520.72
4/23/09	768.59	2947.54	1186.57	2459.98	2349.105	399.4
4/22/09	768.55	2821.11	1332.89	3142.06	2739.333	542.03
4/21/09	768.29	2548.35	949.23	2270.53	1464.406	595.48
4/20/09	768.22	2581.95	954.16	2370.29	1484.332	601.34
4/17/09	768.16	2779.58	1291.31	3224.49	2770.787	500.51
4/16/09	768.07	2475.56	941.67	2197.9	1344.6	521.12
4/8/09	766.97	3460.08	1366.99	3657.12	2153.542	1055.7
4/7/09	766.53	2917.15	1408.6	3152.3	2485.879	833.88
4/3/09	766.2	3546.7	1372.28	3680.55	2126.493	1043.99
4/2/09	765.97	2475.32	964.62	2438.73	1429.542	590.25
4/1/09	765.96	2793.47	1294.44	3355.23	2810.977	511.16
3/31/09	765.76	2981.37	1335.9	3147.5	2891.27	515.2
3/30/09	765.74	3040.09	1212.59	2628.2	2364.58	382.07
3/27/09	765.54	2774.54	1308.23	3222.19	2729.484	494.9
3/25/09	765.54	2919.3	1301.95	3088.05	2756.262	510.85
3/24/09	764.4	3165.37	1231.48	3167.52	1993.007	895.72
3/23/09	764.34	3002.62	1340.07	3292.59	2944.709	531.21
3/20/09	764.21	2745.8	1290.08	3254.83	2785.793	497.56

3/19/09	764.17	2497.2	940.57	2225.72	1417.375	570.94
3/18/09	764.12	3508.11	1377.13	3653.58	2152.203	1044.39
3/17/09	764.01	2344.62	909.59	2150.71	1261.283	304.96
3/16/09	763.88	2522.34	944.09	2232.55	1458.784	632.69
3/13/09	763.78	3558.09	1376.79	3667.14	2142.186	1049.58
3/12/09	763.75	2962.16	1200.28	2474.87	2365.378	375.97
3/11/09	763.48	3000.03	1384.08	3256.53	2610.359	843.1
3/10/09	762.7	2319.9	909.77	2112.49	1230.117	310.86
3/6/09	762.36	2495.14	958.4	2463.57	1462.158	575.54
3/5/09	762.26	2353.33	913.8	2151.15	1245.054	307.5
3/4/09	762	2991.68	1339.72	3307.71	2939.299	535.72
3/3/09	761.87	2455.33	959.94	2460.19	1427.814	564.52
3/2/09	761.27	2348.89	914.01	2121.89	1229.709	312.32
2/27/09	761.18	2980.69	1337.01	3237.57	2926.532	529.31
2/26/09	761.14	2330.29	913.14	2117.81	1226.653	313.3
2/25/09	760.9	2977.17	1339.61	3294.83	2881.333	519.93
2/24/09	760.59	3504.48	1369.59	3608.14	2093.11	1039.66
2/23/09	760.11	2844.35	1330.17	3265.07	2834.186	508.3
2/20/09	760.01	2906.23	1153.7	2393.9	2378.474	419.29
2/19/09	759.85	2751.88	1286.27	3266.11	2750.233	496.89
2/18/09	759.72	3159.48	1405.4	3237.41	2620.493	776.04
2/17/09	759.42	3497.72	1372.38	3570.47	2102.444	1045.29
2/16/09	759.42	2490.09	939.74	2229.36	1386.785	561.09
2/13/09	759.02	2913.94	1301.94	3100.95	2737.242	519.73
2/12/09	758.83	3472.27	1364.41	3528.79	2093.811	1060.02
2/11/09	757.85	2967.65	1333.64	3204.47	2912.826	519.7
2/10/09	757.41	2746.61	1288.18	3274.26	2779.983	497.19
2/6/09	755.72	2333.01	911.9	2148.27	1250.428	306.83
2/5/09	755.43	2481.94	941.88	2223.97	1372.394	539.23
2/4/09	754.87	3049.9	1388.5	3224.24	2607.843	811.61
2/3/09	753.39	2431.08	916.93	2130.37	1261.265	397.95
1/23/09	753.26	2833.69	1334.27	3289.31	2819.47	511.27
1/22/09	753.2	2959.01	1335.86	3297	2926.86	542.37
1/21/09	753.1	2413.2	928.66	2089.36	1235.423	379.57
1/20/09	753.04	2334.86	911.16	2158.65	1256.253	304.23
1/19/09	752.52	2416.08	919.78	2137.61	1249.678	412.82
1/16/09	752	3414.95	1352.39	3526.73	2054.45	1057.36
1/15/09	751.86	2680.47	1233.33	2930.97	2456.689	594.3
1/14/09	750.81	2451.45	914.92	2148.32	1262.69	409.76
1/13/09	750.73	2308.01	907.52	2154.3	1212.87	308.94
1/12/09	750.69	3086.63	1207.61	2942.31	1908.635	900.26
1/9/09	750.43	2752.6	1285.01	3272.73	2796.957	507.44

1/8/09	750.28	2296.88	902.51	2099.51	1200.127	308.31
1/7/09	749.68	2727.57	1276.02	3289.56	2733.678	510.74
1/6/09	749.49	2932.04	1333.17	3284.78	2903.319	539.2
1/5/09	749.42	2909.52	1294.71	3121.91	2645.181	512.33
12/24/08	748.3	2452.58	947.78	2378.74	1400.847	566.11
12/23/08	748.28	2423.34	921.56	2135.27	1239.27	401.9
12/22/08	747.7	2320.61	905.41	2108.25	1222.888	313.38
12/19/08	747.34	2348.89	911.67	2133.79	1222.249	307.5
12/18/08	746.95	2933.53	1294.51	3087.35	2632.204	515.06
12/17/08	746.89	2912.02	1297.99	3106.3	2642.548	487.13
12/16/08	746.87	2652.51	1233.82	2942.78	2474.401	581.99
12/15/08	746.74	2888.38	1289.51	3096.7	2632.872	508.61
12/12/08	746.67	2668.4	1233.51	2930.09	2471.992	589.89
12/11/08	746.52	2908.42	1298.58	3118.47	2647.09	505.42
12/9/08	746.33	2440.52	944.4	2356.02	1392.99	562.33
12/4/08	746.16	2822.01	1098.35	2797.79	1784.428	655.13
12/3/08	745.95	2302.97	906.98	2103.37	1207.22	308.31
12/2/08	745.54	2826.63	1098.26	2796.18	1782.116	677.14
11/28/08	745.33	2463.57	931.17	2194.2	1326.448	505.42
11/27/08	745.24	2916.11	1292.85	3105.62	2659.551	498.31
11/26/08	744.98	2310.7	902.7	2109.08	1230.059	310.52
11/25/08	744.36	3041.06	1380.54	3203.56	2582.049	785.07
11/24/08	744.31	2723.87	1273.69	3191.29	2609.61	486.19
11/21/08	744.25	3497.37	1360.65	3671.29	2120.64	1048.19
11/20/08	744.12	2371.19	929.39	2133.13	1245.649	312.32
11/19/08	744.05	2416.92	928.94	2122.96	1230.664	390.65
11/18/08	744.03	2650.95	1230.09	2968.02	2484.518	571.84
11/17/08	743.85	2688.21	1019.93	2818.83	1660.264	531.69
11/14/08	743.42	3486.66	1360.58	3571.1	2108.58	1036.54
11/13/08	743.37	2374.32	923.84	2097.38	1259.362	318.95
11/12/08	743.2	2316.9	897.13	2138.05	1211.699	305.09
11/11/08	743.03	2892.54	1134.14	2369.21	2314.751	439.68
11/10/08	742.46	2992.66	1196.39	2592.59	2373.062	373.27
11/7/08	742.45	2780.01	1077.44	2795.3	1731.235	640.65
11/6/08	742.16	2869.76	1275.22	3052.68	2518.994	484.45
11/5/08	741.92	2634.63	1218.61	2967.06	2513.406	566.42
11/4/08	741.8	2391.22	924.91	2069.93	1216.14	373.5
11/3/08	741.54	2866.55	1354.48	2978.41	2294.524	807.74
10/31/08	741.43	2436.08	922.62	2150.17	1305.178	443.19
10/30/08	741.28	2334.08	906.66	2150.93	1211	305.09
10/29/08	741.21	2435	924.24	2127.91	1244.441	432.21
10/28/08	740.94	2793.14	1098.59	2831.4	1775.285	696.12

10/24/08	740.92	2715.44	1282.97	3266.62	2724.615	508.68
10/22/08	740.42	2682.37	1022.3	2839.38	1664.837	530.81
10/21/08	739.96	2438.85	923.15	2141.77	1273.797	432.86
10/20/08	739.35	2360.03	926.47	2102.16	1243.475	339.83
10/17/08	739.06	2769.39	1080.66	2788.46	1718.961	633.05
10/16/08	738.93	2677.72	1007.29	2755.28	1646.066	525.99
10/15/08	738.9	2686.6	1003.28	2792.74	1654.152	520.03
10/14/08	738.67	2482.59	928.23	2189.77	1329.313	523.32
10/13/08	738.63	2443.64	924.37	2120.99	1245.379	432.21
10/10/08	738.36	2426.49	915.21	2121.91	1246.251	409.76
10/8/08	738.25	2822.3	1088.42	2840.82	1754.578	716.64
10/7/08	738.07	2349.96	920.31	2085.29	1253.105	325.54
10/6/08	737.4	3441.3	1339.18	3398.55	2055.396	1077.88
9/29/08	737.28	2739.7	1269.16	3156.53	2713.923	497.16
9/26/08	736.83	2684.67	1019.81	2821.92	1639.27	537.28
9/25/08	736.4	2290.16	901.32	2125.45	1193.196	310.38
9/24/08	736.29	2862.8	1089.32	2856.29	1792.164	775.56
9/23/08	736.16	3007.19	1332.77	3265.54	2878.671	522.03
9/22/08	735.76	2756.38	1064.6	2745.56	1713.397	616.58
9/19/08	735.73	2930.49	1293.17	3039.93	2603.297	534.46
9/18/08	735.16	2366	928.1	2076.42	1237.874	331.06
9/17/08	735.04	2782.79	1286.1	3069.29	2567.089	507.32
9/16/08	734.98	2812.41	1079.6	2835.86	1753.798	740.57
9/15/08	734.93	3493.84	1357.18	3628.62	2108.412	1042.79
9/12/08	734.9	2666.24	993.3	2763.89	1640.848	517.11
9/11/08	734.83	2874.33	1299.67	3076.79	2669.608	531.86
9/10/08	734.66	2770.21	1068.29	2817.56	1728.933	640.15
9/9/08	734.65	2359.4	925.18	2084.1	1247.414	353.96
9/8/08	734.63	2913.25	1291.42	3077.78	2586.895	533.34
9/5/08	734.63	2355.87	918.92	2060.92	1238.17	325
9/4/08	734.51	2454.67	923.02	2163.31	1330.113	453.48
9/3/08	734.05	2711.87	1028.38	2791.49	1670.11	563.09
8/29/08	733.92	2743.91	1040.79	2842.54	1672.108	573.79
8/28/08	733.87	2694.54	1030.09	2801.79	1672.071	555.77
8/27/08	733.71	2855.68	1272.73	3032.84	2509.692	492.57
8/26/08	733.34	2881.36	1311.2	3072.91	2666.511	531.51
8/22/08	733.33	2442.15	928.48	2195.95	1311.95	463
8/21/08	733.19	2772.2	1288.07	3061.89	2576.591	501
8/20/08	733.14	2729.08	1037.6	2818.59	1668.824	559.83
8/19/08	733.14	2359.82	920.63	2083.65	1246.64	325.54
8/15/08	732.88	2447.07	922.03	2121.76	1243.661	424.46
8/14/08	732.77	3464.64	1367.51	3505.03	2078.754	1107.52

8/13/08	732.68	2370.56	927.51	2091.32	1224.164	368.93
8/11/08	732.48	2432.88	923.13	2185.71	1327.142	462.69
8/8/08	732.4	2841.85	1075.47	2833.27	1767.802	757.1
8/7/08	732.3	2663.23	998.02	2766.86	1612.923	513.74
8/6/08	732.28	2894.55	1275.75	3005.01	2575.413	517.05
8/5/08	732.11	2920.28	1288.24	3028.46	2605.277	532.53
8/4/08	731.8	2893.13	1306.62	3083.86	2667.266	489.5
8/1/08	731.61	2711.7	1261.49	2932.2	2520.924	607.11
7/31/08	731.47	2708.48	1246.84	2930.7	2511.721	605.65
7/30/08	731.39	2611.89	1212.73	2884.46	2528.146	552.03
7/29/08	731.22	3490.54	1354.98	3466.56	2104.246	1113.19
7/28/08	730.85	2433.52	926.09	2208.13	1311.374	456.06
7/25/08	730.82	2768.7	1284.09	3034.13	2565.645	511.91
7/24/08	730.56	2934.12	1127.26	2414.66	2303.818	435.89
7/23/08	730.55	2900.54	1081.6	2877.83	1787.62	779.57
7/22/08	730.29	2926.84	1150.39	2437.99	2276.853	456.64
7/21/08	729.8	2841.56	1260.53	3024.33	2474.883	470.75
7/18/08	729.72	2429.96	925.11	2192.78	1305.623	459.42
7/16/08	729.43	2753.23	1043.81	2855.23	1705.441	610.16
7/15/08	729.24	2450.65	932.83	2186.79	1325.219	466.47
7/14/08	729.03	2675.5	995.25	2721.78	1607.696	516.95
7/11/08	728.99	2439.95	920.91	2109.77	1239.577	412.12
7/10/08	728.94	2696.02	1248.94	3125.15	2696.78	492.69
7/9/08	728.92	2764.13	1046.51	2814.56	1704.13	636.95
7/8/08	728.6	2361.57	924.4	2067.88	1231.25	364.44
7/7/08	728.58	3050.09	1383.35	3147.42	2516.701	764.13
7/4/08	728.54	2667.43	1218.06	2837.34	2468.902	574.78
7/2/08	728.22	3439.96	1347.17	3466.34	2071.272	1085.41
6/30/08	728.18	2436.36	921.96	2103.37	1247.422	414.36
6/27/08	727.93	3440.43	1345.99	3443.56	2076.758	1098.64
6/26/08	727.91	2370.31	925.51	2069.89	1230.378	325.59
6/25/08	727.79	3459.87	1343	3452.62	2058.736	1093.77
6/24/08	727.76	2375.36	925.67	2076.81	1236.089	366.46
6/23/08	727.33	2718.86	1057.23	2779.14	1691.084	638
6/20/08	727.21	2379.48	926.56	2264.36	1326.26	538.6
6/19/08	726.91	2657.44	1208.35	2829.02	2477.971	568.99
6/18/08	726.6	3472.25	1353.03	3543.82	2088.601	1038.8
6/17/08	726.37	2699.17	1033.52	2843.31	1684.006	584.26
6/16/08	726.29	2960.93	1326.67	3203.91	2840.425	516.74
6/13/08	725.95	2873.91	1321.43	3125.56	2676.522	524.64
6/12/08	725.73	2354.03	927.17	2074.09	1236.943	327.67
6/11/08	725.64	2303.76	892.85	2109.79	1184.69	305.28

6/10/08	725.6	2711.09	1265.74	2945.26	2502.216	616.58
6/6/08	724.98	2631.19	979.19	2617.41	1572.846	528.42
6/5/08	724.87	2458.57	932.98	2181.58	1322.974	466.47
6/4/08	724.64	2724.53	1036.16	2825.41	1681.34	598.22
6/3/08	724.56	2604.53	1206.25	2820.03	2479.848	549.73
6/2/08	724.44	2366.26	925.51	2357.98	1309.045	562.33
5/30/08	724.41	2427.83	921.94	2184.7	1302.328	459.36
5/26/08	724.4	2823.82	1260.42	3016.16	2467.637	465.24
5/23/08	723.96	2790.29	1299.78	3040.92	2578.772	513.39
5/22/08	723.87	2747.6	1060.43	2817.84	1717.73	665.53
5/21/08	723.86	2437.82	913.53	2099.26	1233.596	409.28
5/16/08	722.61	2362.29	930.72	2304.17	1347.686	540.23
5/15/08	722.5	2886.62	1121.25	2450.55	2278.973	436.71
5/14/08	722.46	2646.35	988.3	2708.5	1582.626	511.54
5/13/08	721.86	2901.58	1135.49	2450.62	2276.231	446.6
5/12/08	721.66	3422.96	1352.41	3409.2	2063.763	1040.99
5/9/08	721.58	2392.09	928.37	2282.89	1333.884	537.3
5/8/08	721.57	2662.82	1217.39	2821.34	2444.584	582.84
5/7/08	721.29	2650.61	1250.13	3102.59	2514.119	486.25
5/6/08	721.13	2917.62	1139.81	2481.53	2286.026	439.55
4/29/08	720.87	2607.42	978.77	2597.15	1568.595	524.59
4/28/08	720.84	2862.29	1328.22	3119.63	2670.219	525.67
4/25/08	720.72	3461.32	1340.98	3470.77	2078.605	1085.3
4/24/08	720.29	2834.57	1324.22	3094.98	2626.451	521.12
4/23/08	719.14	3418	1339.08	3441.76	2060.434	1089.6
4/22/08	718.99	2850.98	1308.36	3085.58	2638.382	478.42
4/21/08	718.77	2839.54	1317.94	3107.35	2657.167	527.27
4/18/08	718.74	2637.59	986.07	2708.19	1580.189	512.4
4/17/08	718.74	2581.72	975.89	2546.53	1564.549	518.58
4/16/08	718.47	2583.73	1216.45	2819.48	2480.413	549
4/10/08	717.9	2740.43	1270.15	3047.14	2403.879	537.59
4/9/08	717.12	2708.12	1256.77	2922.82	2515.806	609.54
4/8/08	717.11	2611.92	983.79	2584.2	1561.786	526.34
4/4/08	717.1	2749.15	1270.78	3031.26	2549.033	494.99
4/3/08	717.07	2672.57	1202.08	2800.82	2467.591	580.9
4/2/08	717.06	2904.12	1144	2457.27	2259.54	467.94
4/1/08	716.44	3404.56	1363.4	3278.48	2033.368	947.19
3/31/08	716.35	2692.55	1260.06	2919.9	2476.797	618.48
3/28/08	716.01	2813.93	1269.03	3032.37	2522.545	442.1
3/27/08	715.81	2813.27	1266.97	3048.15	2509.576	434.87
3/26/08	715.58	2782.55	1266.43	3013.14	2583.651	496.29
3/25/08	715.29	2663.31	1208.21	2807.32	2443.831	582.59

3/24/08	715.18	2762.14	1270.78	2981.14	2579.416	494.59
3/19/08	715.17	2786.81	1255.66	3020.56	2431.389	460.99
3/18/08	714.54	2694.5	1260.3	2935.74	2425.201	596.78
3/17/08	714.1	2819.71	1300.45	3023.47	2610.34	477.59
3/14/08	714.1	2383.24	927.75	2252.58	1323.147	559.55
3/13/08	713.96	2399.47	929.89	2300.08	1366.17	526.01
3/12/08	713.48	2693.38	1267.75	2915.71	2406.434	534.09
3/11/08	713.27	3393.39	1346.1	3408.73	2037.783	1054.69
3/10/08	713.22	2350.06	931.9	2304.41	1349.038	551.26
3/7/08	712.87	3359.9	1354.67	3333.95	2022.79	1015.43
3/6/08	712.07	2410.82	937.98	2343.51	1437.768	476.24
3/5/08	712.05	2609.9	983.54	2557.25	1572.198	525.93
3/4/08	711.83	2716.62	1259.92	2941.53	2467.714	609.34
3/3/08	711.8	2427.52	939.08	2367.75	1396.083	433.4
2/29/08	710.74	2580.52	977.23	2543.48	1566.824	518.71
2/28/08	710.39	2811.71	1296.79	2967.96	2597.86	480.91
2/27/08	710.3	2333.09	930.45	2310.15	1321.56	535.18
2/26/08	710.25	2674.42	1212.98	2768.61	2439.357	556.98
2/22/08	710.01	2770.95	1266.71	3097.92	2452.501	514.92
2/20/08	709.91	3366.34	1342.79	3271.53	2025.644	937.46
2/19/08	709.74	2799.54	1265.45	3042.1	2506.386	458.39
2/18/08	709.67	2587.65	975.62	2534.4	1549.535	525.22
2/15/08	709.64	2798.7	1270.81	3046.57	2494.737	459.44
2/14/08	709.43	2338.05	927.78	2296.11	1329.996	538.91
2/13/08	709.23	2672.6	1218.8	2771.97	2456.986	561.19
2/12/08	709.01	2431.21	942.08	2345.96	1437.768	483.32
1/31/08	708.88	2629.25	1205.95	2784.65	2397.828	582.02
1/30/08	708.76	2681.97	1260.02	2888.72	2433.184	624.1
1/29/08	708.42	2413.73	942.27	2341.46	1402.191	443.45
1/28/08	708.2	2707.6	1274.08	2996.71	2381.955	524.4
1/25/08	707.81	2681.03	1208.28	2870.83	2415.946	547.99
1/24/08	707.68	2399.65	943.94	2329.42	1424.239	460.34
1/22/08	707.65	2764.84	1267.15	2884.81	2604.549	495.48
1/21/08	707.48	2797.5	1095.05	2725.15	2085.148	488.94
1/18/08	707.26	2745.04	1275.1	3052.61	2484.229	553.83
1/17/08	707.19	3382.81	1355.62	3342.21	2047.031	1020.04
1/16/08	706.9	3363.23	1351.45	3364.61	2022.297	1039.63
1/15/08	706.84	2808.18	1272.35	3090.91	2500.037	494.8
1/14/08	706.75	2783.85	1278.31	3011.36	2468.675	545.7
1/9/08	706.55	2764.95	1279.95	3032.09	2473.789	547.08
1/8/08	706.3	2440.47	945.02	2318.14	1435.029	470.12
1/7/08	706.29	3371.76	1350.84	3345.98	2037.978	1019.96

1/4/08	705.89	2510.23	965.55	2501.8	1474.258	510.08
1/3/08	705.8	2757.46	1266.44	3015.59	2564.263	510.02
1/2/08	705.6	2816.66	1109.43	2727.28	2106.642	476.5
12/28/07	705.35	2834.71	1129.56	2684.64	2199.011	438.83
12/27/07	705.35	2422.22	938.48	2378.63	1403.49	423.49
12/26/07	703.95	2648.98	1249.05	2908.21	2355.314	599.86
12/19/07	703.64	2800.75	1260	3031.13	2519.099	444.16
12/18/07	703.28	2423.43	937.99	2362.6	1389.353	435.5
12/17/07	703.16	2638.4	1207.47	2789.36	2420.109	556.75
12/14/07	703.1	2413.96	935.29	2357.55	1379.715	417.73
12/13/07	703.09	2682.02	1201.28	2835.91	2411.863	540.19
12/12/07	702.93	2825.39	1127.46	2768.52	2133.92	454.8
12/11/07	702.56	2490.07	962.82	2563.66	1485.349	515.08
12/7/07	702.52	2744.98	1265.03	2914.87	2593.22	503.83
12/6/07	702.04	2338.76	925.49	2289.8	1316.945	551.79
12/4/07	701.97	2478.75	957.1	2406.48	1461.292	505.17
12/3/07	701.96	2493.12	956.39	2396.2	1472.563	517.61
11/29/07	701.66	2740.33	1283.02	2955.7	2578.415	497.9
11/28/07	701.6	2811.79	1112.53	2721.94	2063.521	464.01
11/27/07	701.58	2791.01	1270.2	3061.99	2511.545	494.96
11/26/07	701.1	2484.96	963.84	2392.56	1468.238	515.66
11/23/07	700.61	2483.3	958.99	2434.86	1465.701	509.32
11/22/07	700.42	2758.79	1276.65	3083.3	2468.788	560.05
11/21/07	699.16	2597.59	969.71	2528.98	1554.917	527.18
11/20/07	698.82	2805.5	1261.46	3012.07	2483.892	488.47
11/19/07	698.63	2658.21	1260.76	2931.47	2395.106	554.88
11/16/07	698.33	2727.23	1270.96	3034.32	2426.801	548.21
11/15/07	698.19	2470.86	954.25	2379.43	1451.08	510.66
11/14/07	698.12	2410.54	942.99	2326.06	1384.856	432.4
11/13/07	698.03	2758.9	1253.39	2949.65	2534.137	507
11/12/07	698.01	2431.46	948.26	2314.57	1438.631	478.39
11/9/07	697.84	3117.87	1245.64	3300.94	1750.986	1073.19
11/7/07	697.82	2588.66	970.37	2527.27	1553.119	524.67
11/6/07	697.46	3100.85	1231.87	3234.16	1734.462	1054.26
11/5/07	696.72	2726.24	1271.75	3073.92	2420.281	545.98
10/31/07	696.55	2745.35	1259.16	2953.19	2610.796	481.96
10/30/07	696.44	2459.56	960.69	2329.44	1444.49	498.21
10/26/07	695.83	2405.22	936.76	2336.42	1330.592	441.27
10/25/07	695.72	2592.31	968.89	2561.06	1544.978	534.73
10/24/07	695.69	2792.84	1271	3064.3	2461.528	503.41
10/22/07	695.59	2650.48	1196.46	2829.41	2383.338	536.11
10/19/07	695.41	2753.63	1249.42	2908.88	2507.751	499.94

10/18/07	695.27	3144.34	1240.87	3245.81	1740.317	1030.9
10/17/07	695.25	2761.54	1274.36	3068.73	2487.365	555.84
10/11/07	695.1	3336.52	1306.22	3294.21	1931.044	1034.68
10/10/07	695.03	3333.86	1330.26	3318.17	1965.438	965.72
10/9/07	694.71	2797.21	1255.76	2981.25	2481.297	470.63
10/8/07	694.6	2600.66	970.98	2560.22	1549.629	536.48
10/5/07	694.52	2411.24	923.99	2256.48	1337.868	500.49
10/4/07	694.32	2639.74	1203.36	2821.73	2382.702	556.59
10/3/07	694.14	2978.98	1139.41	2462.94	2225.844	445.59
10/2/07	694.09	2410.68	934.07	2308.37	1394.364	399.8
10/1/07	694.07	2720.87	1263.76	2864.18	2580.251	487.93
9/28/07	693.86	3186.38	1258.63	3379.37	1790.405	1083.25
9/27/07	693.54	3257.02	1271.31	3294.23	1922.051	1050.9
9/26/07	693.51	2796.34	1271.15	3119.96	2471.564	499.14
9/25/07	693.41	2830.75	1127.6	2413.26	2214.852	479.8
9/24/07	693.03	2514.39	966.32	2556.71	1523.059	520.42
9/21/07	692.72	2712.15	1246.86	2942.79	2515.383	617.38
9/20/07	692.57	2489.81	966.08	2557.21	1507.365	513.37
9/19/07	692.56	2471.25	955.85	2405.25	1470.466	511.21
9/18/07	692.48	3077.8	1234.31	3233.91	1727.36	1074.46
9/17/07	692.46	3283.86	1307.19	3223.22	1930.397	1027.58
9/14/07	692.46	2474.65	956.7	2378.04	1466.576	513.04
9/13/07	692.27	3326.85	1328.63	3295.28	1959.677	1001.12
9/12/07	692.26	2576.14	969.38	2551.92	1543.424	535.13
9/11/07	692.17	2409.12	948.13	2314.09	1429.484	479.03
9/10/07	691.73	2660.91	1202.07	2852.48	2371.302	537.81
9/7/07	691.55	2858.2	1076.3	2829.57	1766.799	809.86
9/6/07	691.49	2401.78	935.85	2390.84	1351.649	422.41
9/5/07	691.48	2977.91	1141.59	2535.91	2257.054	435.79
9/4/07	691.43	2388.79	934.72	2329.57	1337.41	439.57
8/30/07	691.41	2683.56	1247.9	2855.64	2518.976	493.04
8/29/07	691.33	2728.39	1069.42	2691.2	2042.498	511.53
8/28/07	691.28	3140.85	1248.83	3196.08	1751.319	1052.86
8/24/07	690.92	2369.86	934.34	2289.13	1312.83	434.24
8/23/07	690.7	2807.54	1120.31	2692.81	2195.926	444.28
8/22/07	690.46	2706.26	1265.77	2919.48	2564.554	486.41
8/21/07	690.41	2797.88	1270.88	3048	2481.416	537.29
8/16/07	690.3	3289.7	1315.97	3309.43	1986.671	923.89
8/15/07	690.1	2632.31	1241.75	2862.33	2344.033	581.49
8/14/07	690.05	2751.75	1073.21	2681.66	2069.698	508.47
8/10/07	689.72	2757.68	1264.51	2961.63	2619.565	481.76
8/8/07	689.48	3336.72	1306.34	3304.42	1925.471	1039.67

8/7/07	689.13	2419.81	950.52	2274.53	1416.93	477.43
8/6/07	688.96	2407.34	920	2227.85	1340.021	505.26
8/3/07	688.7	3229.41	1272.87	3380	1783.951	1129.02
8/2/07	688.63	2480.19	965.66	2544.48	1500.105	520.05
8/1/07	688.41	2734.39	1246.17	2857.24	2483.438	490.91
7/31/07	688.35	2371.83	928.05	2267.67	1307.775	439.66
7/27/07	688.22	2307.35	923.57	2218.42	1287.178	544.55
7/26/07	688.09	2693.62	1235.22	2846.6	2475.572	491.2
7/25/07	687.96	2559.98	964.06	2486.82	1537.085	541.91
7/24/07	687.88	2895.64	1083.22	2883.47	1803.264	754.63
7/23/07	687.76	2447.8	953.7	2361.66	1435.207	500.82
7/20/07	687.53	3280.99	1315.37	3254.76	1968.731	968.88
7/19/07	687.3	2919.21	1103.48	2416.62	2195.067	470.82
7/18/07	687.23	3209.17	1306.36	3238.06	1918.353	998.09
7/17/07	686.97	2402.91	936.04	2388.33	1371.693	404.87
7/16/07	686.74	2474.07	965.44	2531.68	1506.756	515.09
7/13/07	686.53	3206.54	1256.82	3248	1894.576	1027.53
7/12/07	686.41	2648.64	1253.84	2907.63	2371.856	537.53
7/11/07	686.24	2421.94	953.22	2302.69	1432.931	488.63
7/10/07	686.18	3312.13	1321.36	3319.01	1986.727	931.18
7/9/07	686.11	2406.12	925.56	2258.03	1347.905	508.31
7/6/07	686.03	2450.4	955.72	2400.78	1447.254	511.55
7/5/07	686.02	2380.76	928.23	2231.68	1345.867	502.08
7/4/07	685.89	2745.02	1233.86	2797.61	2489.485	482.89
7/3/07	685.73	2762.22	1270.61	3089.82	2393.519	482.6
7/2/07	685.71	2337.79	924.72	2241.25	1314.577	472.86
6/29/07	685.53	2910.36	1154.09	2540.81	2275.676	434.64
6/28/07	685.48	3298.53	1317.5	3291.93	1981.57	905.53
6/27/07	685.47	2922.91	1141.75	2512.72	2245.344	429.46
6/26/07	685.24	2651.13	1243.23	2908.5	2367.701	587.12
6/25/07	684.55	2398.93	924.86	2238.84	1339.83	504.98
6/22/07	684.51	2437.85	958.12	2296.78	1425.225	492.77
6/21/07	684.44	2739.95	1100.5	2688.09	2165.943	539.1
6/20/07	683.95	3155.44	1237.08	3331.29	1764.008	1167.36
6/19/07	683.84	2556.72	968.3	2542.69	1528.907	531.68
6/18/07	682.83	2691	1070.46	2655.75	2144.848	547.69
6/15/07	682.15	2890.66	1109.57	2409.98	2212.754	457.88
6/14/07	682.07	2394.98	950.96	2298.58	1418.004	483.06
6/13/07	681.93	2723.3	1085.6	2653.18	2120.491	526.98
6/12/07	681.91	2629.35	1253.96	2944.51	2367.214	555.54
6/8/07	681.84	2548.59	967.56	2522.5	1537.71	537.87
6/7/07	681.71	2471.19	965.23	2531.65	1510.825	513.75

6/6/07	680.72	2386.74	924.89	2262.34	1338.323	499.8
6/5/07	680.6	3020.3	1180.91	3190.12	1759.49	1123.07
6/4/07	680.36	2900.16	1088.85	2943.38	1805.523	753.81
5/30/07	680.31	2877.5	1079.72	2858.31	1785.76	778.88
5/29/07	679.84	2918.63	1096.24	2982.54	1805.523	751.77
5/28/07	679.62	3170.03	1246.3	3229.6	1849.384	1055.1
5/25/07	679.04	3139.83	1244.32	3150.04	1813.718	1072.16
5/24/07	679.02	3007.58	1164.68	3140.34	1760.019	1123.07
5/23/07	678.66	2906.07	1159.1	2584.21	2248.75	447.11
5/22/07	678.57	3167.62	1247.17	3174.75	1819.66	1034.24
5/21/07	678.13	2398.37	914.69	2178.79	1310.263	515.59
5/16/07	677.79	3142.28	1235.65	3170.05	1805.961	1090.56
5/15/07	677.13	3034.42	1196.45	3067.45	1740.971	1137.69
5/11/07	676.73	2886.56	1150.8	2526.04	2278.684	444.4
5/10/07	676.53	2713.47	1071.43	2656.92	2088.251	525.98
5/9/07	676.35	2886.78	1133.59	2697.21	2187.204	437.45
5/8/07	676.32	2929.65	1163.09	2577.1	2304.508	451.36
5/4/07	676.22	2779.98	1272.09	3074.66	2471.884	527.13
5/3/07	676.1	2861.26	1076.68	2862.51	1789.086	778.88
4/25/07	675.99	2705.09	1067.65	2646.7	2131.063	561.85
4/24/07	675.63	2255.62	917.25	2157.68	1241.326	548.19
4/23/07	675.33	3166.21	1243.57	3232.39	1764.909	1095.75
4/20/07	675.2	3085.58	1200.01	3181.96	1797.402	1158.27
4/19/07	674.84	3154.88	1221.72	3178.32	1809.066	1099.82
4/18/07	674.67	2876.08	1148.68	2599.99	2227.675	439.41
4/17/07	674.42	3154.99	1225.73	3281.9	1768.539	1058.71
4/12/07	674.31	3031.97	1180.31	3043.61	1776.361	1065.52
4/11/07	674.24	2966.43	1130.96	2973.27	1732.438	1133.31
4/10/07	673.71	3160.93	1246.87	3203.55	1830.924	1071.33
4/4/07	673.63	3153.41	1236.63	3271.97	1761.293	1091.38
4/3/07	672.36	3116.28	1203.29	3124.96	1794.522	1170.67
4/2/07	672.34	2354.44	926.55	2261.57	1334.029	509.15
3/30/07	671.98	3041.61	1187.06	3028.37	1771.558	1141.59
3/29/07	671.76	3048.12	1205.28	3039.31	1775.423	1117.25
3/28/07	671.62	3161.98	1235.89	3151.72	1817.719	1068.71
3/27/07	671.17	3071.05	1188.83	3099.82	1764.582	1155.68
3/26/07	671.05	2996.64	1182.2	3062.25	1777.89	1109.76
3/23/07	670.71	2352.12	910.54	2084.62	1274.744	512.29
3/22/07	670.62	2988.16	1166.38	3074.28	1762.284	1114.21
3/21/07	670.6	3150.34	1209.48	3269.18	1780.381	1074.55
3/20/07	670.41	2295.22	915.4	2159.5	1274.753	548.79
3/16/07	670.37	2986.22	1156.58	3063.26	1743.189	1133.31

3/15/07	669.97	2835.32	1119.42	2373.7	2218.125	486.53
3/14/07	669.9	2925.5	1159.94	2583.83	2278.684	448.27
3/13/07	669.56	3089.93	1209.34	3090.47	1779.237	1111.63
3/12/07	669.04	3136.34	1235.24	3162.81	1800.392	1031.79
3/9/07	668.96	2344.74	916.62	2247.4	1315.59	485.57
3/8/07	668.92	2707.19	1070.5	2637.65	2107.548	561.67
3/7/07	668.48	2621.55	1242.32	2908.24	2334.106	539.65
3/6/07	668.41	2622.69	1178.74	2830.99	2322.736	528.49
3/2/07	667.12	2860.51	1128.86	2602.38	2185.619	430.26
3/1/07	666.8	2316.4	906.9	2066.06	1272.053	506.46
2/28/07	665.66	2697.03	1075.93	2728.53	2037.998	532.71
2/27/07	665.54	2598.36	1173.66	2803.31	2322.246	540.81
2/26/07	665.39	2334.35	893.5	2121.47	1309.525	523.7
2/15/07	664.52	2847.73	1105.04	2389.52	2141.135	483.05
2/14/07	663.61	2673.21	1068.55	2721.52	1958.752	525.49
2/13/07	661.59	2320.06	913.63	2210.15	1303.585	506.1
2/12/07	660.71	3027.07	1179.66	3275.19	1773.956	988.86
2/9/07	660.11	2299.79	911.98	2181.57	1280.496	466.19
2/8/07	659.69	2322.36	907.76	2081.09	1285.627	501.56
2/7/07	659.68	2326.97	889.51	2119.79	1295.051	519.47
2/6/07	659.58	2294.37	908.68	2191.78	1286.05	484.13
2/5/07	659.52	2307.2	906.34	2113.17	1290.164	510.62
2/2/07	659.32	2324.49	900.47	2097.39	1303.45	510.15
1/31/07	659.27	2332.18	904.51	2092.4	1283.853	502.94
1/30/07	659.25	2974.18	1117.09	3020.7	1834.709	757.71
1/29/07	658.28	2628.43	1172.56	2863.53	2380.087	525.95
1/26/07	658.17	3006.6	1147.76	3085.18	1795.559	1023.05
1/25/07	657.65	3014.15	1169.89	3162.82	1759.206	974.76
1/24/07	657.16	3074.82	1183.04	3244.75	1805.692	1016.39
1/23/07	656.98	2642.8	1174.27	2884.18	2377.247	536.53
1/22/07	656.31	2963.1	1127.41	3019.06	1730.475	947.15
1/19/07	655.9	2965.09	1132.61	3070.29	1754.294	983.6
1/18/07	655.68	2614.18	1186.19	2856.06	2396.49	503.58
1/17/07	655.54	2622.41	1062.7	2709.49	1885.043	514.45
1/16/07	655.46	2618.76	1171.09	2858.15	2380.521	528.85
1/15/07	655.12	3074.16	1157.85	3141.28	1817.409	1027.7
1/12/07	654.89	2990.41	1147.66	3081.73	1777.708	983.09
1/11/07	654.85	2626.05	1085.06	2754.05	2075.234	558.56
1/10/07	654.34	2570.67	1044.03	2646.12	1804.062	476
1/9/07	654.25	2631.51	1188.57	2850.01	2386.865	506.99
1/8/07	654.12	2596.39	1171.28	2852.93	2326.914	547.69
1/5/07	654.04	3044.22	1189.35	3239.27	1757.258	1041.33

1/4/07	653.92	3053.57	1177.53	3177.36	1764.995	995.55
1/3/07	653.49	3051.64	1181.42	3196.66	1765.522	1022.4
12/29/06	653.2	2612.33	1174.49	2859.18	2375.874	528.2
12/28/06	653.02	2277.34	902.7	2175.21	1283.949	494.31
12/27/06	652.4	2642.23	1176.9	2881.4	2356.064	527.04
12/22/06	651.47	2965.86	1139.71	3041.56	1758.483	964.96
12/21/06	650.76	3060.07	1169.12	3199.34	1808.575	1040.7
12/20/06	649.93	2706.53	1085.38	2750.03	2116	555.14
12/19/06	649.74	2294.74	894.66	2057.77	1293.287	487.86
12/18/06	649.21	2601.5	1183.97	2841.21	2359.977	481.44
12/15/06	648.32	2265.42	886.48	2081.8	1241.65	537.48
12/14/06	648.22	2965.02	1118.18	3012.74	1824.103	788.82
12/13/06	646.8	2541.15	1041.07	2672.56	1870.133	497.01
12/12/06	646.69	2243.54	893.23	2067	1234.198	540.96
12/8/06	645.8	2574.21	1070.54	2724.72	2022.564	546.66
12/7/06	645.71	2939.89	1119.33	2992.33	1678.044	914.79
12/6/06	644.2	2549.35	1184.88	2782.98	2349.133	480.65
12/4/06	643.02	2597.3	1186.28	2860.54	2399.276	494.17
11/30/06	642.39	2486.55	1031.63	2536.16	1719.254	476.76
11/29/06	641.43	2681.64	1171.31	2835.11	2338.797	467.93
11/28/06	641.23	2648.76	1179.88	2886.96	2360.094	476.59
11/27/06	640.98	2559.57	1163.43	2720.18	2328.639	513.9
11/24/06	640.25	2567.72	1164.41	2731.55	2336.987	499.69
11/23/06	637.63	2902.92	1106.06	2940.16	1703.844	885.43
11/22/06	633.82	2934.71	1113.02	2952.32	1813.394	825.11
11/21/06	631.28	2522.78	1155.53	2760.89	2277.752	508.46
11/20/06	628.19	2964.16	1120.4	2996.39	1832.55	816.51
11/17/06	627.07	2381.81	1088.96	2598.8	2089.585	511.27
11/16/06	624.83	2559.07	1025.7	2462.79	1891.732	439.06
11/15/06	624.56	2461.43	1012.37	2421.72	1735.636	455.95
11/14/06	624.55	2391.22	1082.97	2530.72	2108.814	497.51
11/13/06	624	2659.2	1174.9	2798.33	2323.236	466.76
11/10/06	622.27	2891.66	1113.19	2951.08	1710.367	865.71
11/9/06	622.14	2833.69	1060.36	2849.71	1736.67	799.31
11/8/06	621.96	2624.04	1172.38	2768.76	2237.105	462.98
11/7/06	621.95	2636.19	1160.66	2764.98	2298.135	451.91
11/6/06	621.14	2444.24	1024.74	2566.37	1870.061	470.43
11/3/06	620.43	2477.6	1028.4	2510.32	1883.551	455.05
11/2/06	618.97	2411.46	1020.53	2597.23	1846.091	483.81
10/31/06	617.83	2576.66	1156.43	2732.62	2209.101	469.71
10/30/06	616.75	2939.12	1118.96	2972.32	1780.881	844.91
10/20/06	614.88	2604.06	1164.48	2803.39	2225.812	458.04

10/19/06	614.49	2544.13	1028.62	2520.13	1897.342	459.86
10/18/06	614.24	2533.43	1155.88	2676.47	2185.654	454.71
10/17/06	612.19	2484.9	1152.15	2612	2160.717	434.2
10/16/06	611.92	2316.56	1091.17	2612.85	2069.875	493.52
10/13/06	609.83	2454.33	1134.7	2593.51	2146.554	416.43
10/12/06	608.25	2476.51	1026.18	2486.29	1873.1	465.87
10/11/06	607.73	2349.87	1071.79	2488.26	2093.294	512.46
10/10/06	605.14	2419.29	1002.99	2457	1769.894	437.24
10/9/06	604.57	2396.35	1075.5	2528.68	2078.931	478.72
10/6/06	601.6	2317.17	1075.84	2468.05	2033.716	460.42
10/5/06	601.29	2361.34	1019.72	2607.58	1832.507	479
10/4/06	600.38	2419.21	991.66	2352.37	1787.673	419.28
10/3/06	600.03	2333.7	1072.85	2517.73	2056.647	501.49
10/2/06	598.22	2450.83	1148.7	2612.38	2125.615	419.48
9/27/06	597.48	2333.14	1075.24	2437.99	2026.78	448.29
9/26/06	596.54	2288.16	1074.12	2514.17	2030.366	471.97
9/25/06	595.8	2317.95	1075.77	2477.44	2040.193	461.37
9/22/06	593.6	2362.74	1063.97	2494.24	2032.716	458.19
9/21/06	590.6	2302.46	1074.11	2467.56	2044.171	453.76
9/19/06	588.98	2273.18	1059.5	2398.3	1990.472	475.22
9/18/06	587.86	2389.42	1097.24	2515.95	2123.278	427.05
9/15/06	586.42	2320.82	1078.71	2438.04	2065.753	433.79
9/14/06	586.14	2271.45	1070.9	2441.75	2024.965	472.47
9/13/06	583.48	2299.75	1072.69	2431.34	2075.302	435.44
9/12/06	582.74	2401.02	1108.88	2553.96	2117.95	433.47
9/11/06	582.29	2266.92	1045.97	2411.88	1975.027	458.11
9/8/06	582.25	2383.82	1055.4	2471.19	2010.914	444.79
9/7/06	581.99	2307.61	1065.68	2473.85	2083.974	446.4
9/6/06	581.43	2278.96	1057.85	2415.83	1995.674	456.22
9/5/06	579.98	2380.07	1061.8	2458.65	1998.58	426.43
9/1/06	577.75	2310.55	1079.63	2492.3	2056.579	418.55
8/30/06	574.3	2375.82	1063.62	2490.42	1998.643	440.56
8/29/06	570.43	2237.2	1054.41	2434.26	1950.987	479.27
8/28/06	569.85	2226.1	1044.48	2370.06	1914.385	438.55
8/25/06	566.03	2307.98	1067.76	2487.22	2063.094	438.83
8/24/06	562.55	2266.64	1063.66	2483.39	2020.139	426.67
8/23/06	561.41	2269.24	1042.63	2333.76	1885.722	410.38
8/22/06	560.41	2329.08	1044.11	2389.31	1916.831	411.64
8/17/06	556.47	2260.36	1023.49	2309.58	1886.016	400.9
8/16/06	555.43	2292.97	1041.24	2354.37	1902.876	415.45
8/15/06	555.41	2306.08	1047.68	2356.38	1892.843	425.17
8/11/06	554.02	2245.27	1045.26	2316.89	1881.709	404.58

8/10/06	552.71	2185.29	1022.84	2283.6	1851.332	378.25
8/8/06	551.8	2168.32	996.84	2499.53	1648.739	433.71
8/7/06	550.51	2267.46	1053.14	2334.62	1890.971	421.75
8/4/06	544.54	2178.13	1023.02	2253.91	1842.022	381.97
8/3/06	542.69	2238.79	1051.63	2309.68	1857.586	425.03
8/2/06	540.22	2176.98	1012.01	2279.37	1803.568	390.85
8/1/06	535.18	2166.1	1025.5	2265.55	1830.741	372.95
7/31/06	533.92	2139.78	1014.21	2308.7	1750.914	390.16
7/28/06	528.71	2177.55	997.23	2424.19	1619.721	414.24
7/27/06	527.72	2241.6	1023.47	2238.92	1828.852	363.85
7/26/06	523.15	2179.03	1023.96	2206.23	1798.336	350.14
7/25/06	506.26	2028.71	1009.36	2137.62	1788.147	336.64
7/21/06	500.77	2128.31	966.06	2273.65	1555.967	389.33
7/20/06	492.34	2033.61	970.19	2307.74	1451.669	401.33
7/19/06	483.5	1849.57	967.46	2061.05	1644.185	321.63
7/18/06	481.5	2059.39	949.88	2238.41	1520.407	397.15
7/17/06	478.79	1920.79	918.16	2116.74	1440.149	379.94
7/14/06	478.69	1924.87	920.66	1974.69	1437.338	311.91
7/13/06	477.73	1951.2	920.02	2122.37	1463.251	384.61
7/12/06	476.95	1939.22	909.51	2062.88	1426.938	370.8
7/10/06	476.33	2076.35	950.76	2118.75	1461.873	371.67
7/7/06	474.99	1818.61	980.12	2085.63	1576.081	313.69
7/6/06	474.07	1852.85	992.68	2103.63	1591.336	309.9
7/5/06	473.15	1913.66	922.23	1969.58	1435.537	314.04
7/4/06	472.72	1808.41	965.7	2063.5	1595.915	315.71
6/30/06	471.31	1878.51	905.23	2098.26	1399.424	382.51
6/29/06	466.38	1887.25	966.6	2049.4	1628.849	312.77
6/28/06	466.28	1874.85	968.37	2086.72	1661.845	318.89
6/27/06	466.06	1859.98	978.64	2068.3	1592.7	315.2
6/26/06	465.24	1821.13	904.28	2093.01	1379.743	374.91
6/23/06	465.03	1827.61	910.52	1970.72	1402.661	314.15
6/22/06	463.81	1863.49	893.95	1921.34	1338.36	365.97
6/21/06	462.96	1880.58	927.62	2003.89	1421.47	319.58
6/19/06	462.93	1819.2	895.95	1941.62	1307.897	379.51
6/16/06	460.62	1843.41	968.58	2073.31	1615.232	321.86
6/15/06	459.06	1806.02	919.07	1984.88	1416.67	313.4
6/14/06	457.62	1829.69	905.58	2003.04	1369.785	361.44
6/9/06	457.36	1868.82	915.24	2006.21	1366.275	377.83
6/8/06	456.8	1896.56	965.17	2094.13	1634.79	334.14
6/7/06	456.44	1885.02	904.24	1938.97	1340.681	366
6/6/06	452.97	1891.75	961.28	2064.66	1625.087	343.88
6/5/06	452.8	1776.25	923.57	1997.83	1406.553	312.18

6/2/06	451.96	1948.33	934.01	2097.8	1451.669	379.06
6/1/06	451.72	1798.95	880.5	1901.46	1351.764	305.56
5/31/06	449.19	1883.75	899.35	2025.58	1352.716	348.64
5/30/06	447.01	1795.47	876.4	1903.53	1348.285	307.26
5/29/06	446.64	1680.7	907.19	1915.79	1342.002	272.31
5/24/06	446.04	1820.87	907.01	2028.59	1500.361	310.28
5/23/06	445.94	1779.29	862.5	1904.56	1363.984	301.02
5/22/06	445.77	1705.64	909.84	1919.66	1338.742	274.51
5/19/06	445.31	1782.09	854.8	1889.32	1342.836	296.42
5/18/06	444.39	1715.35	896.64	1942.48	1350.641	281.63
5/17/06	444.1	1721.97	897.07	1897.75	1324.824	276.22
5/16/06	443.57	1783.96	907.87	2072.81	1465.75	313.76
5/15/06	443.17	1703.29	903.52	1917.57	1332.129	282.02
5/11/06	442.96	1803.34	905.07	1982.88	1499.733	297.3
5/10/06	442.56	1802.39	919.84	2051.69	1490.857	322.36
5/9/06	442.31	1806.96	894.6	1948.22	1336.557	351.71
5/8/06	441.62	1629.35	899.59	1899.8	1323.696	254.85
5/4/06	440.81	1745.66	885.43	2040.25	1462.745	287.41
5/3/06	440.63	1684.96	894.6	1924.1	1325.421	276.09
4/28/06	440.4	1724.54	871.16	1862.19	1343.716	303.93
4/27/06	439.6	1651.06	895.23	1892.23	1330.61	255.09
4/26/06	439.51	1764.72	913.46	1984.92	1386.906	307.98
4/25/06	439.17	1736.99	869.62	1872.85	1336.614	304.05
4/24/06	438.27	1708.77	879.02	1863.52	1327.323	301.12
4/21/06	438.22	1637.92	898.53	1899.9	1318.04	263.07
4/20/06	438.17	1664.08	878.3	1879.09	1406.647	260.16
4/18/06	438.16	1706.34	877.92	1917.69	1436.116	270.62
4/17/06	437.06	1774.76	846.47	1913.26	1359.278	308.28
4/12/06	436.92	1691.68	878.81	1939.54	1419.973	277.63
4/7/06	435.71	1746.99	890.28	1922.99	1350.687	304.98
4/5/06	435.7	1784.01	890.34	1948.72	1326.621	342.33
4/4/06	435.2	1730.45	896.47	1950.13	1363.876	306.12
4/3/06	434.99	1630.69	887.83	1891.04	1312.439	244.02
3/29/06	434.67	1594.94	889.71	1881.44	1296.942	252.57
3/28/06	434.24	1616.79	896.51	1887.1	1300.108	244.33
3/27/06	434.21	1749.67	884.06	1940	1236.933	345.05
3/24/06	434.08	1745.63	873.43	1840.94	1345.308	310.05
3/23/06	433.81	1761.82	913.7	1996.04	1399.733	307.13
3/22/06	433.52	1685.23	872.69	1857.34	1315.585	303.21
3/21/06	433.47	1755.47	880.59	1918.97	1259.713	346.24
3/20/06	433.44	1704.6	879.95	1892.07	1328.075	277.81
3/17/06	433.19	1723.37	880.37	1897.93	1344.151	302.86

3/16/06	433.04	1707.39	876.8	1847.55	1320.363	286.11
3/15/06	432.87	1600.28	859.11	1953.49	1244.864	345.11
3/14/06	431.94	1617.44	893.42	1880.38	1290.321	242.53
3/13/06	431.52	1594.87	890.67	1872.22	1285.476	245.74
3/10/06	431.5	1699.99	872.55	1986.22	1434.074	280.67
3/9/06	431.32	1614.44	894.07	1869.59	1295.869	235.5
3/8/06	431.23	1704.52	873.41	1840.12	1321.453	300.04
3/7/06	430.69	1711.92	879.67	1826.13	1304.331	288.69
3/6/06	430.09	1702.26	884.18	1967.28	1461.748	289.52
3/3/06	429.97	1759.14	881.65	1978.05	1264.377	352.07
3/2/06	429.64	1596.92	856.82	1833.9	1360.889	266.62
3/1/06	429.6	1673.14	869.34	2023.11	1419.092	282.38
2/28/06	427.72	1584.86	852.18	1780.26	1341.603	267.04
2/27/06	426.26	1704.06	897.45	1954.97	1343.494	304.01
2/24/06	426.2	1575.94	847.96	1770.28	1322.837	273.39
2/23/06	424.79	1577.52	843.45	1856.1	1327.437	251.44
2/22/06	424.79	1740.34	852.27	1893.74	1262.968	299.54
2/21/06	424.61	1586.32	840.88	1769.67	1324.847	254.56
2/20/06	424.61	1794.16	860.68	1933.12	1316.694	288.93
2/17/06	423.79	1754.58	835.17	1935.07	1266.116	293.3
2/16/06	422.32	1559.03	841.87	1759.33	1312.092	263.2
2/15/06	419.97	1692.55	883.09	1873.6	1189.862	340.69
2/14/06	419.51	1513.12	858.22	1920.16	1286.693	245.7
2/10/06	417.86	1544.34	866.93	1885.92	1289.38	244.36
2/9/06	417.41	1485.75	855.25	1873.22	1300.215	251.88
2/8/06	417.11	1518.64	869.24	1924.3	1288.074	246.68
2/7/06	416.53	1794.2	863.61	1951.09	1256.704	347.05
2/6/06	416.52	1533.4	876.56	1856.43	1256.109	247.66
1/27/06	415.04	1493.53	838.39	1879.67	1310.414	251.01
1/26/06	414.41	1505.51	850.37	1901.42	1314.519	255.85
1/25/06	413.09	1528.51	868.74	1859.98	1264.816	241.46
1/24/06	408.51	1665.59	877.65	1908.18	1180.357	336.89
1/23/06	408.31	1801.91	853.56	1864.93	1173.863	336.57
1/20/06	401.84	1732.57	866.14	1971.57	1241.541	314.74
1/19/06	398.04	1666.49	832.44	1704.41	1111.39	322.8
1/18/06	397.51	1662.1	866.88	1765.9	1146.276	318.96
1/17/06	395.22	1711.13	856.37	1932.91	1193.151	311.74
1/13/06	393.85	1613.95	865.32	1842.33	1154.97	325.74
1/12/06	392.92	1640.57	847.53	1905.28	1192.526	306.22
1/11/06	392.87	1643.68	846.86	1890.89	1205.324	308.6
1/9/06	391.85	1653.25	860.18	1908.18	1154.141	320.33
1/6/06	389.81	1710.52	869.98	1967.01	1202.074	303.54

1/5/06	387.32	1639.18	845.75	1879.87	1191.358	307.45
1/4/06	386.12	1620.29	855.39	1799.72	1141.401	317.93
1/3/06	384.15	1671.2	829.41	1780.64	1113.624	331.62



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ตาราง ก-2 ข้อมูลอัตราแลกเปลี่ยนเงินตราต่างประเทศในกลุ่มประเทศอาเซียนจำนวน 6 ประเทศ

วันที่	อัตราแลกเปลี่ยนเงินตราสกุลท้องถิ่นเมื่อเทียบกับดอลลาร์สหรัฐ					
	THA	SGD	MYR	PHP	IDR	VND
12/30/10	41.23	1.6709	3.7655	55.96	9977	15857
12/29/10	41.23	1.6832	3.771	53.5	9770	15897
12/28/10	41.23	1.6809	3.7685	55.95	10730	15885
12/23/10	41.6	1.697	3.7995	56.1	9772	15856
12/22/10	41.52	1.6597	3.749	56.1	9780	15870
12/21/10	41.63	1.6648	3.7505	56.1	9830	15860
12/20/10	42	1.6935	3.7998	56.13	9745	15861
12/17/10	41.35	1.6889	3.7785	54	9990	15900
12/16/10	41.59	1.6689	3.748	55.9	9808	15867
12/15/10	42.125	1.7017	3.7998	56.01	9792	15865
12/14/10	41.35	1.6602	3.749	55.8	9810	15866
12/13/10	41.225	1.6931	3.7795	54.11	10045	15905
12/9/10	41.24	1.6808	3.7995	55.67	9696	15855
12/8/10	41.72	1.6628	3.75	56.08	9800	15873
12/3/10	41.25	1.6809	3.7715	56.2	10175	15867
12/2/10	41.99	1.6878	3.7998	55.64	9782	15874
12/1/10	41.52	1.6934	3.7995	56.15	9855	15845
11/30/10	41.73	1.6982	3.7998	56.15	9788	15860
11/26/10	41.8	1.6868	3.7998	55.88	9780	15868
11/25/10	41.29	1.6904	3.779	54.16	10010	15903
11/24/10	41.775	1.6639	3.7505	56.06	9830	15865
11/23/10	41.245	1.6815	3.7695	53.32	9675	15904
11/22/10	41.34	1.6853	3.78	53.78	9910	15907
11/19/10	41.22	1.6908	3.773	53.96	10010	15907
11/18/10	41.75	1.6853	3.7998	55.9	9750	15858
11/15/10	41.3	1.6626	3.767	55.84	9895	15861
11/12/10	41.28	1.6513	3.7995	55.71	9760	15870
11/11/10	41.73	1.6849	3.7998	55.57	9785	15875
11/10/10	41.303	1.6658	3.768	55.86	9965	15855
11/9/10	41.22	1.6874	3.7695	56.22	10205	15880
11/8/10	41.34	1.6857	3.7805	53.86	9955	15903
11/4/10	41.26	1.6544	3.746	56	9745	15881
11/3/10	41.155	1.6569	3.764	55.82	9890	15861
11/2/10	41.305	1.6867	3.7995	55.87	9700	15863
10/29/10	41.2	1.7051	3.778	54.55	9960	15902

10/28/10	41.155	1.6919	3.7692	55.98	10365	15885
10/27/10	41.15	1.6993	3.7793	54.35	10010	15905
10/26/10	41.19	1.6803	3.775	53.46	9755	15905
10/22/10	41.31	1.6848	3.7995	55.9	9752	15846
10/21/10	41.16	1.6711	3.7995	55.5	9645	15856
10/20/10	41.19	1.6902	3.7792	54.23	10050	15910
10/19/10	41.18	1.6991	3.779	54.46	10065	15904
10/18/10	41.21	1.6515	3.746	56	9745	15872
10/15/10	41.21	1.6906	3.779	54.07	10035	15901
10/14/10	41.155	1.6528	3.7478	55.85	9782	15862
10/13/10	41.2	1.6924	3.7792	53.86	10025	15901
10/12/10	41.13	1.654	3.7471	55.89	9775	15868
10/11/10	41.13	1.6519	3.752	55.79	9710	15880
10/8/10	41.145	1.6946	3.769	55.96	10295	15895
10/7/10	41.15	1.7013	3.7795	54.48	10000	15904
10/6/10	41.125	1.6535	3.7505	55.88	9740	15879
10/5/10	41.14	1.6739	3.7995	55.66	9660	15865
10/4/10	41.12	1.6935	3.771	55.9	10180	15895
10/1/10	41.13	1.7027	3.7775	54.57	9970	15895
9/30/10	41.13	1.7029	3.779	54.42	10005	15910
9/29/10	41.14	1.6915	3.7775	54.26	10030	15903
9/28/10	41.12	1.6753	3.768	56.2	10325	15871
9/27/10	41.12	1.7014	3.7773	54.6	10090	15893
9/24/10	41.11	1.6845	3.768	56.21	10225	15870
9/23/10	41.11	1.6822	3.769	56.21	10145	15864
9/22/10	41.1	1.6734	3.774	53.55	9755	15904
9/21/10	41.1	1.6694	3.7995	55.6	9648	15860
9/20/10	41.025	1.6811	3.769	56.16	10145	15880
9/17/10	41.04	1.6811	3.769	56.28	10325	15865
9/15/10	41.09	1.6746	3.7995	55.55	9650	15859
9/7/10	41.09	1.6702	3.7698	55.9	10260	15874
9/6/10	41.08	1.6835	3.769	56.15	10175	15874
9/1/10	41.02	1.6627	3.779	52.98	9815	15913
8/27/10	33.9	1.4232	3.506	48.35	9935	17832
8/26/10	33.89	1.4228	3.426	46.3	9370	16540
8/25/10	41.01	1.6573	3.754	55.7	9875	15868
8/24/10	41	1.672	3.76	56.02	10345	15874
8/23/10	33.85	1.4263	3.459	46.45	9370	16710
8/20/10	41	1.6645	3.7794	53.02	9825	15900
8/19/10	33.85	1.4103	3.3295	44.7	9176	16490
8/18/10	41	1.6598	3.779	53.03	9825	15913
8/16/10	41.005	1.6665	3.7685	55.84	10000	15862

8/11/10	33.69	1.4514	3.3385	41.27	9400	16045
8/10/10	33.91	1.4335	3.44	47.25	9425	16580
8/6/10	41.005	1.7004	3.7763	54.65	10075	15889
8/5/10	33.71	1.4187	3.5	48.35	9885	17833
8/4/10	41.005	1.67	3.778	53.45	9780	15902
8/3/10	34.56	1.4589	3.515	47.06	10370	17765
8/2/10	33.41	1.3943	3.362	46.56	9390	17805
7/30/10	33.41	1.5371	3.5	48.83	9040	16065
7/29/10	33.4	1.5337	3.4935	48.07	9076	15982
7/28/10	33.93	1.4226	3.42	46.21	9330	16540
7/27/10	41	1.6789	3.7692	56.2	10210	15876
7/23/10	33.71	1.418	3.347	45.22	9185	16560
7/22/10	33.75	1.4054	3.299	44.33	9165	16520
7/21/10	34.58	1.4994	3.571	48.96	9940	16790
7/20/10	33.68	1.4131	3.468	47.6	9690	17824
7/19/10	40.94	1.662	3.7795	53.18	9852	15915
7/16/10	40.93	1.6643	3.779	53.45	9804	15902
7/15/10	33.94	1.4242	3.492	48.1	9930	17827
7/14/10	34.58	1.4444	3.48	47.2	10900	16941
7/13/10	33.91	1.5328	3.492	47.88	9060	15975
7/12/10	34.55	1.4346	3.467	46.73	9370	16480
7/9/10	33.67	1.3626	3.264	45.53	9206	16845
7/8/10	40.93	1.6658	3.7793	53.05	9820	15888
7/7/10	33.82	1.4306	3.445	46.85	9425	16540
7/6/10	40.93	1.6674	3.776	53.08	9826	15905
7/5/10	33.42	1.4178	3.483	47.68	9685	17840
7/2/10	40.925	1.6789	3.7995	55.08	9599	15863
6/29/10	33.66	1.39	3.283	43.71	9095	16580
6/28/10	33.4	1.5157	3.4005	46.97	8800	16035
6/25/10	40.95	1.6761	3.769	56.1	10340	15880
6/24/10	40.95	1.6787	3.769	56	10045	15880
6/23/10	33.94	1.4397	3.528	47.97	9985	17811
6/22/10	33.95	1.4039	3.34	45.4	9147	16530
6/21/10	40.98	1.6715	3.758	56.145	10275	15876
6/18/10	33.78	1.4078	3.4165	46.17	9285	16670
6/17/10	33.42	1.3974	3.378	46.97	9475	17825
6/16/10	33.39	1.3681	3.255	44.05	9280	16609
6/15/10	33.38	1.3519	3.243	44.18	9143	16750
6/11/10	34.03	1.5357	3.4995	48.75	9055	16062
6/10/10	33.94	1.4164	3.408	46.45	9320	16650
6/9/10	33.39	1.3958	3.416	47.4	9505	17835
6/8/10	33.4	1.3895	3.356	46.19	9325	17800

6/7/10	34.59	1.4991	3.544	48.6	9895	16769
6/4/10	40.92	1.6734	3.769	56	10190	15875
6/3/10	34.54	1.4376	3.425	46.85	9206	16570
6/2/10	33.95	1.4393	3.516	47.9	9960	17814
6/1/10	40.92	1.6815	3.7705	55.7	10025	15896
5/31/10	40.92	1.6911	3.771	55.76	10045	15895
5/27/10	40.92	1.6952	3.7735	55.41	10090	15904
5/26/10	33.64	1.5305	3.492	47.88	9045	15975
5/25/10	33.63	1.5321	3.492	47.85	9070	15975
5/24/10	33.66	1.4085	3.325	44.58	9165	16540
5/19/10	34.01	1.4552	3.534	48.23	10250	17800
5/18/10	33.65	1.3549	3.2425	45.57	9153	16840
5/17/10	33.4	1.3902	3.375	46.5	9415	17805
5/14/10	34.5	1.459	3.468	46.6	10900	16939
5/12/10	34.4	1.4495	3.465	47.12	9425	16525
5/11/10	33.4	1.3996	3.429	47.5	9570	17841
5/7/10	33.96	1.442	3.538	47.98	10028	17803
5/6/10	33.66	1.3586	3.243	45.46	9168	16849
5/4/10	34.53	1.4589	3.555	47.3	11000	17000
4/29/10	34.5	1.4717	3.547	47.54	10385	17782
4/28/10	33.4	1.3946	3.38	46.8	9420	17815
4/27/10	34.52	1.4327	3.433	46.55	9294	16530
4/26/10	33.38	1.3597	3.265	44.8	9215	16840
4/22/10	34.5	1.4611	3.51	47.02	10325	17770
4/21/10	34.11	1.4497	3.503	47.5	10060	17793
4/20/10	33.63	1.3614	3.266	45.36	9207	16845
4/19/10	34.39	1.4334	3.528	47	10950	16980
4/16/10	34.39	1.4493	3.51	47.1	10310	17780
4/12/10	34	1.4443	3.523	48.4	10020	17810
4/8/10	34	1.4505	3.563	47.89	10140	17808
4/7/10	33.62	1.3805	3.27	43.95	9073	16680
4/5/10	33.38	1.401	3.4335	46.45	9440	17837
3/31/10	33.38	1.3624	3.26	44.76	9210	16844
3/30/10	33.63	1.3601	3.249	45.64	9154	16843
3/29/10	34.03	1.4486	3.535	48.35	9960	17812
3/26/10	34.12	1.445	3.482	47.05	10105	17760
3/25/10	34.52	1.4655	3.524	47.05	10330	17760
3/24/10	34.11	1.4544	3.531	48.19	10200	17760
3/23/10	34.4	1.464	3.552	47.37	10390	17780
3/22/10	34	1.4419	3.517	48.1	9995	17816
3/19/10	34.01	1.4407	3.507	47.92	9915	17816
3/18/10	34	1.44	3.525	48.35	10025	17812

3/17/10	40.915	1.6654	3.778	53.35	9868	15911
3/15/10	34.53	1.4656	3.514	47.07	10320	17785
3/12/10	33.42	1.3646	3.238	43.81	9137	16700
3/11/10	34.4	1.4311	3.425	46.34	9205	16490
3/10/10	33.61	1.4183	3.478	47.45	9695	17840
3/9/10	34.42	1.4663	3.485	47.2	9565	16530
3/8/10	34	1.4369	3.487	47.12	10250	17760
3/5/10	34.08	1.4304	3.467	46.95	9395	16670
3/4/10	33.61	1.4127	3.316	44.4	9170	16430
3/3/10	34.11	1.4571	3.531	48.06	10330	17760
3/2/10	34.41	1.539	3.501	49.03	9103	16045
2/25/10	34	1.4479	3.544	48.35	10060	17807
2/24/10	34.66	1.5371	3.5013	48.85	9100	16045
2/23/10	34.44	1.4348	3.44	46.48	9202	16530
2/22/10	33.42	1.415	3.478	47.02	9635	17834
2/12/10	34.37	1.4585	3.535	47.15	10320	17782
2/11/10	34	1.4405	3.52	48.7	10075	17815
2/10/10	34	1.4434	3.529	47.95	9950	17814
2/9/10	40.915	1.6743	3.7995	55.29	9622	15870
2/8/10	33.99	1.438	3.52	47.97	9920	17812
2/5/10	34.03	1.4444	3.528	47.98	9945	17810
2/4/10	33.38	1.3888	3.373	46.55	9395	17805
2/3/10	34.41	1.463	3.528	47.02	10310	17780
2/2/10	34.08	1.4504	3.505	47.5	10080	17785
1/29/10	34.11	1.4542	3.5335	48.15	10295	17800
1/28/10	33.44	1.3476	3.218	45.3	9135	16830
1/27/10	33.61	1.5288	3.501	48.2	9128	15996
1/26/10	34.12	1.4606	3.5995	48.23	10180	17760
1/25/10	33.96	1.4334	3.495	47.76	9870	17804
1/22/10	34	1.4255	3.5	48.25	9985	17826
1/21/10	40.91	1.6803	3.769	55.85	10080	15872
1/20/10	40.91	1.6653	3.7792	53.31	9845	15910
1/18/10	33.42	1.3613	3.252	44.06	9127	16780
1/15/10	33.96	1.4331	3.492	47.7	9860	17813
1/14/10	34.08	1.4541	3.545	48.21	10350	17760
1/13/10	34.13	1.4109	3.3325	45.57	9183	16640
1/12/10	40.9	1.6686	3.7785	53.32	9830	15904
1/11/10	34.09	1.412	3.3385	45.55	9135	16520
1/7/10	34.14	1.4563	3.519	47.45	10005	17788
1/6/10	34.09	1.4547	3.538	48.3	10270	17789
1/5/10	34.33	1.4757	3.52	47.81	9810	16580
1/4/10	34.3	1.4523	3.51	47.2	10300	17780

12/29/09	34.08	1.4438	3.485	47.12	10280	17765
12/28/09	34.33	1.4684	3.4968	47.48	9595	16642
12/23/09	34.29	1.4156	3.392	46	9145	16460
12/22/09	33.37	1.3583	3.272	45.05	9210	16839
12/21/09	34.25	1.4183	3.373	45.59	9155	16560
12/17/09	34.08	1.438	3.44	47.19	9425	16580
12/16/09	34.12	1.4492	3.444	46.85	9425	16560
12/15/09	34.32	1.4737	3.5055	47.45	9590	16540
12/14/09	40.91	1.6684	3.7792	53.39	9815	15907
12/11/09	33.98	1.4367	3.488	47.88	9870	17803
12/9/09	33.38	1.3577	3.236	44.36	9143	16750
12/8/09	34.28	1.4791	3.528	47.85	9795	16580
12/4/09	33.99	1.4406	3.54	47.9	10040	17805
12/3/09	34.23	1.4368	3.455	47.17	9450	16530
12/2/09	34.03	1.4498	3.569	48.02	10090	17803
12/1/09	34.13	1.459	3.538	48.15	10320	17760
11/26/09	40.9	1.6678	3.7793	53.17	9820	15899
11/25/09	34.34	1.4238	3.402	46.2	9155	16490
11/24/09	40.89	1.6926	3.774	55.63	10070	15904
11/23/09	33.99	1.4405	3.539	47.82	10140	17800
11/20/09	34.04	1.4263	3.39	46.03	9170	16550
11/19/09	34.22	1.4238	3.4525	47.1	9445	16530
11/18/09	34.14	1.4621	3.576	48.16	10135	17805
11/17/09	40.89	1.6899	3.7715	55.76	10095	15898
11/16/09	40.9	1.6728	3.7995	55.19	9592	15858
11/13/09	34.17	1.5334	3.5	48.6	9060	16003
11/12/09	34	1.4273	3.434	46.64	9380	16575
11/11/09	40.89	1.6649	3.779	53.38	9850	15894
11/10/09	34.23	1.479	3.51	47.35	9775	16535
11/9/09	34.08	1.4522	3.524	48	10185	17790
11/6/09	40.895	1.6785	3.7995	55.25	9605	15862
11/5/09	34.73	1.4391	3.457	46.94	9325	16570
11/4/09	34.25	1.4559	3.493	47	9930	17790
11/3/09	33.422	1.3641	3.254	44.01	9255	16607
10/30/09	40.885	1.6457	3.746	55.82	9762	15872
10/29/09	33.6	1.3632	3.26	45.61	9200	16848
10/28/09	40.89	1.6779	3.7688	55.86	10000	15885
10/27/09	33.51	1.5323	3.493	48.33	9050	15993
10/26/09	33.435	1.3476	3.225	45.21	9136	16820
10/22/09	34.15	1.464	3.492	47.01	9740	16575
10/21/09	34.01	1.527	3.4905	47.96	9065	15982
10/20/09	33.365	1.3505	3.2365	44.15	9147	16610

10/19/09	39.54	1.6438	3.7995	54.07	9475	15837
10/16/09	34.19	1.4825	3.51	47.66	9865	16570
10/15/09	33.58	1.3827	3.2755	43.73	9070	16580
10/14/09	33.59	1.3723	3.2665	44.01	9082	16725
10/13/09	34.03	1.4541	3.53	47.9	10220	17801
10/12/09	33.5	1.5333	3.4928	48.21	9050	15982
10/9/09	34.69	1.4369	3.472	47.04	9420	16520
10/8/09	34.71	1.4366	3.477	47.42	10900	17450
10/7/09	33.54	1.412	3.478	47.35	9690	17838
10/6/09	34.71	1.4303	3.45	47.42	10850	17480
10/5/09	33.98	1.4321	3.505	47.91	9890	17806
10/2/09	34.03	1.4472	3.513	48.11	10200	17760
10/1/09	39.52	1.6468	3.7995	54.3	9680	15822
9/30/09	34.19	1.4462	3.49	47.04	10075	17769
9/29/09	33.97	1.4416	3.551	47.87	10060	17806
9/28/09	34.21	1.532	3.4955	48.45	9049	16005
9/25/09	33.571	1.3656	3.261	44.51	9250	16608
9/24/09	34.71	1.5071	3.5785	48.65	10005	16828
9/17/09	34.18	1.4755	3.525	47.9	9860	16570
9/16/09	34.14	1.4626	3.518	48.06	10175	17794
9/15/09	40.825	1.6872	3.7733	55.83	10100	15901
9/14/09	40.82	1.693	3.7755	54.66	10036	15888
9/11/09	34.01	1.4339	3.513	48.73	10055	17815
9/10/09	33.44	1.3971	3.4225	47.79	9580	17840
9/9/09	40.84	1.6922	3.7743	54.95	9976	15914
9/8/09	40.82	1.695	3.7745	54.92	10015	15903
9/4/09	40.88	1.692	3.7743	55.42	10055	15902
9/3/09	33.59	1.4139	3.463	47.24	9690	17820
9/1/09	40.88	1.6775	3.769	55.95	10075	15885
8/28/09	33.59	1.4177	3.478	47.5	9690	17827
8/27/09	33.57	1.5271	3.5055	48.53	9150	15999
8/26/09	33.55	1.3671	3.252	44.49	9258	16606
8/25/09	33.54	1.4158	3.47	47.2	9650	17832
8/24/09	40.845	1.6953	3.7735	55.67	10075	15910
8/20/09	39.705	1.6553	3.7995	54.51	9528	15815
8/19/09	33.55	1.4188	3.461	47.2	9645	17836
8/18/09	33.44	1.3918	3.396	47.42	9485	17825
8/14/09	40.83	1.6971	3.7755	54.58	10044	15892
8/13/09	40.83	1.6825	3.769	55.75	10035	15896
8/11/09	33.36	1.406	3.428	46.49	9470	18465
8/7/09	33.5	1.3678	3.262	44.23	9118	16740
8/6/09	34.75	1.4719	3.498	46.36	10700	17426

8/4/09	40.82	1.6889	3.7745	55.15	9972	15908
8/3/09	34.75	1.4454	3.477	47.41	10900	16980
7/31/09	33.5	1.3715	3.262	44.26	9094	16740
7/30/09	33.47	1.3629	3.263	45.1	9205	16843
7/29/09	34.04	1.4515	3.537	48.15	10220	17800
7/28/09	34.04	1.451	3.54	48.45	9925	17813
7/27/09	34.76	1.4754	3.56	47.61	11025	17000
7/24/09	33.48	1.367	3.2625	44.17	9118	16770
7/23/09	34.04	1.4551	3.493	47.32	10015	17782
7/22/09	40.81	1.684	3.77	55.7	10068	15891
7/21/09	39.509	1.6475	3.7995	54.32	9562	15825
7/16/09	33.49	1.3694	3.26	44.4	9268	16605
7/15/09	39.51	1.6382	3.7995	54.02	9520	15823
7/14/09	34.8	1.4761	3.538	46.81	10900	17415
7/13/09	40.79	1.6463	3.751	55.7	9780	15870
7/10/09	39.49	1.6431	3.7995	54.02	9480	15809
7/9/09	32.21	1.5184	3.4602	48.05	9145	16019
7/3/09	39.75	1.6334	3.748	52.5	9465	15902
7/2/09	33.46	1.3624	3.265	44	9116	16750
6/30/09	39.49	1.6261	3.7405	52.25	9340	15904
6/29/09	32.21	1.3486	3.1595	45.35	8940	19050
6/26/09	34.06	1.4507	3.561	47.88	10107	17803
6/25/09	39.545	1.6313	3.72	51.81	9350	15914
6/24/09	32.2	1.5139	3.4545	47.85	9121	16015
6/23/09	34.79	1.4372	3.45	47.5	10850	17480
6/22/09	32.21	1.3626	3.182	45.88	8975	19050
6/19/09	39.48	1.6295	3.7555	52.6	9485	15900
6/18/09	40.77	1.6933	3.7745	54.87	10115	15891
6/17/09	34.04	1.444	3.502	47.7	9890	17802
6/16/09	39.49	1.6548	3.7995	54.2	9465	15827
6/15/09	34.84	1.4699	3.507	46.85	10900	17425
6/11/09	33.351	1.5408	3.4923	48.25	9041	15975
6/10/09	34.8	1.4863	3.58	49.09	10700	16780
6/9/09	33.34	1.5415	3.499	48.26	9071	15982
6/8/09	33.36	1.3623	3.265	45.13	9215	16842
6/5/09	33.34	1.4053	3.422	46.45	9420	18469
6/4/09	34.85	1.494	3.592	47.25	11100	17479
6/3/09	39.435	1.6465	3.7995	54.15	9675	15820
6/2/09	32.18	1.5356	3.427	45.85	8940	16113
6/1/09	32.2	1.5314	3.495	46.82	9435	16240
5/29/09	34.85	1.4894	3.58	47.975	11000	17000
5/28/09	33.44	1.3893	3.368	46.31	9365	17815

5/27/09	34.04	1.4473	3.531	48.2	9950	17815
5/26/09	39.875	1.6568	3.7995	54.26	9420	15845
5/25/09	32.18	1.3702	3.19	44.28	9009	18880
5/22/09	39.47	1.6441	3.7995	54.17	9452	15836
5/20/09	39.865	1.6498	3.7995	54.4	9425	15830
5/19/09	33.34	1.4046	3.425	46	9430	18469
5/18/09	32.18	1.3612	3.227	43.49	9345	16210
5/15/09	40.67	1.6729	3.7995	54.45	9565	15855
5/13/09	39.505	1.6339	3.7995	54.05	9505	15836
5/12/09	33.35	1.5175	3.4075	47.12	8865	16036
5/11/09	33.3	1.3872	3.378	46.82	9400	17864
5/7/09	32.19	1.3597	3.1825	45.42	8935	19050
5/6/09	32.13	1.3576	3.214	43.37	9308	16194
5/4/09	32.19	1.3597	3.195	45.9	9025	19092
4/29/09	40.75	1.6919	3.7742	54.92	10035	15902
4/28/09	34.84	1.4968	3.607	47.25	11175	17415
4/27/09	34.84	1.4873	3.579	48.9	10700	16830
4/24/09	39.995	1.656	3.7995	54.55	9440	15834
4/23/09	34.85	1.4915	3.57	47.01	11075	17474
4/22/09	39.79	1.6375	3.752	52.38	9537	15914
4/21/09	32.2	1.3723	3.2025	44.325	9010	18950
4/20/09	32.2	1.5127	3.445	47.81	9090	16027
4/17/09	40.75	1.6878	3.7743	55.02	10005	15910
4/16/09	32.1	1.5383	3.451	46.1	9000	16120
4/8/09	33.35	1.3947	3.42	47.5	9500	17825
4/7/09	34.04	1.4603	3.498	47	9810	16580
4/3/09	33.33	1.4044	3.43	46.43	9432	18469
4/2/09	32.22	1.394	3.1995	44.9	9055	19000
4/1/09	40.66	1.666	3.7995	54.4	9508	15855
3/31/09	39.6	1.6464	3.7995	54.31	9570	15840
3/30/09	34.81	1.5337	3.5	48.66	9079	16045
3/27/09	40.15	1.6598	3.7995	54.55	9440	15839
3/25/09	39.43	1.6357	3.7995	53.91	9505	15835
3/24/09	33.46	1.36	3.248	43.98	9117	16750
3/23/09	39.62	1.6466	3.7995	54.15	9480	15820
3/20/09	40.74	1.651	3.778	52.51	9700	15903
3/19/09	32.17	1.3749	3.2025	44.565	9000	18960
3/18/09	33.35	1.3949	3.389	46.3	9445	17840
3/17/09	31.62	1.4815	3.4095	44.98	9119	16075
3/16/09	32.19	1.5239	3.48	46.3	9390	16240
3/13/09	33.33	1.4085	3.458	46.65	9542	17844
3/12/09	34.84	1.4968	3.614	47.45	11175	17430

3/11/09	34.06	1.4428	3.515	47.95	9925	17812
3/10/09	31.68	1.3635	3.163	42.23	9220	16128
3/6/09	32.22	1.3738	3.197	46.245	9043	19050
3/5/09	31.61	1.3555	3.158	42.19	9217	16117
3/4/09	39.62	1.6575	3.7995	54.17	9468	15832
3/3/09	32.22	1.373	3.198	46.3	9050	19090
3/2/09	31.7	1.3601	3.158	42.14	9215	16120
2/27/09	39.605	1.6482	3.7995	54.42	9675	15831
2/26/09	31.69	1.532	3.45	46.17	9040	16135
2/25/09	39.57	1.6301	3.7285	51.38	9225	15925
2/24/09	33.3	1.3924	3.4	47.5	9455	17820
2/23/09	40	1.6593	3.7995	54.65	9455	15835
2/20/09	34.87	1.4991	3.623	47.24	11165	17472
2/19/09	40.71	1.6711	3.7995	54.95	9590	15849
2/18/09	34.05	1.4583	3.5615	48.18	10140	17802
2/17/09	33.3	1.3884	3.3885	46.25	9430	17846
2/16/09	32.17	1.5159	3.446	47.68	9100	16031
2/13/09	39.43	1.6375	3.7995	54	9558	15823
2/12/09	33.31	1.3689	3.2575	44.41	9282	16615
2/11/09	39.6	1.6284	3.7465	52.33	9460	15917
2/10/09	40.74	1.6695	3.7995	54.5	9580	15858
2/6/09	31.62	1.4817	3.403	44.8	9088	16072
2/5/09	32.15	1.3634	3.195	42.64	9235	16141
2/4/09	34.06	1.4286	3.452	46.96	9395	16590
2/3/09	31.9	1.3654	3.17	45.35	8968	19090
1/23/09	39.995	1.6553	3.7995	54.47	9467	15839
1/22/09	39.68	1.6333	3.744	52.25	9470	15896
1/21/09	31.87	1.5159	3.4865	46.31	9382	16217
1/20/09	31.62	1.3785	3.187	41.46	9215	16115
1/19/09	31.9	1.3667	3.168	42.28	9220	16145
1/16/09	33.31	1.4055	3.428	46.43	9470	18471
1/15/09	38.4	1.5951	3.674	53.02	9406	15975
1/14/09	31.9	1.418	3.242	40.7	9265	15955
1/13/09	31.64	1.523	3.432	45.82	9010	16125
1/12/09	33.44	1.4141	3.464	47.14	9620	17832
1/9/09	40.565	1.6601	3.7995	54.45	9535	15850
1/8/09	31.67	1.5186	3.4725	45.75	9340	16192
1/7/09	40.62	1.6638	3.7995	54.68	9615	15861
1/6/09	39.65	1.6589	3.7995	54.55	9495	15824
1/5/09	39.089	1.6218	3.714	51.65	9177	15909
12/24/08	32.22	1.3925	3.228	45.23	9085	18950
12/23/08	31.891	1.3541	3.151	45.04	8950	19200

12/22/08	31.65	1.4495	3.33	43.25	9095	16065
12/19/08	31.601	1.5352	3.465	46.31	9072	16132
12/18/08	39.015	1.6277	3.7495	52.39	9376	15913
12/17/08	39.108	1.6176	3.704	51.05	9125	15911
12/16/08	38.4	1.5986	3.68	53.22	9395	15996
12/15/08	39.06	1.6316	3.713	51.03	9240	15908
12/12/08	38.4	1.6322	3.7995	55.34	9130	15786
12/11/08	39.1	1.6461	3.7995	56.08	9305	15783
12/9/08	32.22	1.3734	3.191	44.37	9005	18960
12/4/08	32.62	1.3992	3.371	45.83	9270	18690
12/3/08	31.67	1.3581	3.155	42.02	9208	16127
12/2/08	32.63	1.5152	3.414	47.2	8855	16051
11/28/08	32.1	1.3521	3.167	45.175	8942	19090
11/27/08	39.06	1.6388	3.7995	56.08	9280	15770
11/26/08	31.65	1.3804	3.187	41.35	9190	16118
11/25/08	34.05	1.4627	3.56	48.18	10190	17800
11/24/08	40.31	1.6608	3.7998	54.3	9482	15846
11/21/08	33.33	1.4072	3.431	46.43	9485	18470
11/20/08	31.7	1.4989	3.4345	45.12	9165	16100
11/19/08	31.89	1.3615	3.1825	45.45	9005	19098
11/18/08	38.4	1.5952	3.682	53.4	9290	15997
11/17/08	32.555	1.5168	3.419	47.38	8948	16047
11/14/08	33.31	1.3954	3.3965	46.5	9450	17839
11/13/08	31.7	1.5055	3.4445	45.25	9155	16170
11/12/08	31.6	1.4498	3.342	43.64	9100	16074
11/11/08	34.88	1.5105	3.5785	49.1	10749	16792
11/10/08	34.82	1.4718	3.522	47.22	10365	17760
11/7/08	32.62	1.5276	3.512	48.75	9215	15998
11/6/08	38.89	1.6393	3.7995	56.11	9278	15770
11/5/08	38.4	1.5932	3.665	53.07	9385	15975
11/4/08	31.86	1.5084	3.486	46.05	9375	16226
11/3/08	34.04	1.4174	3.377	45.58	9155	16570
10/31/08	32	1.3735	3.216	42.45	9260	16140
10/30/08	31.6	1.4523	3.336	43.69	9090	16065
10/29/08	31.99	1.5053	3.4425	45.16	9160	16165
10/28/08	32.63	1.3985	3.3395	45.74	9190	18660
10/24/08	40.62	1.6631	3.7995	54.65	9585	15851
10/22/08	32.56	1.3619	3.2385	43.41	9310	16245
10/21/08	31.99	1.3535	3.156	44.93	8935	19180
10/20/08	31.8	1.4854	3.405	45.15	9140	16075
10/17/08	32.6	1.5138	3.439	47.58	9090	16030
10/16/08	32.55	1.5325	3.418	45.84	8900	16089

10/15/08	32.55	1.3925	3.305	45.66	9147	18690
10/14/08	32.06	1.5193	3.465	47.93	9104	16005
10/13/08	31.95	1.4994	3.426	45.08	9120	16125
10/10/08	31.92	1.5108	3.475	46.41	9400	16237
10/8/08	32.65	1.4017	3.3775	46.1	9285	18600
10/7/08	31.78	1.3605	3.18	45.45	8975	19080
10/6/08	33.3	1.3998	3.415	46.5	9420	17841
9/29/08	40.52	1.6433	3.7706	52.3	9623	15916
9/26/08	32.57	1.403	3.292	46.245	9210	18975
9/25/08	31.65	1.3613	3.15	42.02	9215	16117
9/24/08	32.69	1.529	3.388	45.8	8705	16058
9/23/08	39.59	1.653	3.7995	54.55	9485	15822
9/22/08	32.6	1.5154	3.419	47.37	9065	16032
9/19/08	38.98	1.6435	3.7995	54.16	9407	15824
9/18/08	31.8	1.4151	3.238	40.71	9265	15955
9/17/08	39.35	1.6226	3.714	52	9285	15908
9/16/08	32.67	1.5248	3.5075	48.55	9220	16024
9/15/08	33.32	1.4051	3.4275	46.3	9435	18469
9/12/08	32.55	1.5227	3.42	47.47	9024	16051
9/11/08	39.43	1.6453	3.7995	54.16	9448	15839
9/10/08	32.6	1.518	3.4	47.1	8760	16038
9/9/08	31.8	1.4899	3.415	45.07	9135	16078
9/8/08	38.995	1.616	3.69	51.05	9075	15916
9/5/08	31.71	1.5387	3.481	46.55	9128	16127
9/4/08	32	1.5124	3.48	46.21	9378	16225
9/3/08	32.58	1.5205	3.42	47.5	9073	16043
8/29/08	32.58	1.4126	3.31	46.245	9210	18870
8/28/08	32.57	1.4062	3.27	46.38	9185	18970
8/27/08	38.88	1.6438	3.7995	54.16	9407	15818
8/26/08	39.43	1.6293	3.738	51.52	9210	15922
8/22/08	32.01	1.5261	3.4955	48.36	9150	16015
8/21/08	39.35	1.6286	3.718	51.92	9226	15921
8/20/08	32.58	1.4142	3.326	46.675	9240	18975
8/19/08	31.72	1.4555	3.3535	44.04	9150	16074
8/15/08	31.95	1.3721	3.234	42.76	9275	16170
8/14/08	33.25	1.39	3.38	46.75	9405	17820
8/13/08	31.85	1.3644	3.2399	43.16	9275	16172
8/11/08	32	1.5122	3.492	46.5	9405	16232
8/8/08	32.68	1.3974	3.319	45.59	9165	18680
8/7/08	32.54	1.4005	3.292	46.5	9255	18970
8/6/08	38.95	1.6217	3.7495	52.01	9360	15913
8/5/08	38.97	1.6261	3.7445	52.38	9360	15915

8/4/08	39.11	1.6198	3.6895	51.11	9070	15920
8/1/08	38.43	1.6204	3.7995	53.9	9328	15799
7/31/08	38.41	1.6355	3.7995	55.55	9152	15782
7/30/08	38.39	1.625	3.7995	54.78	9336	15800
7/29/08	33.26	1.5334	3.495	48.08	9032	15976
7/28/08	32	1.516	3.45	47.95	9100	16005
7/25/08	39.35	1.6348	3.72	51.63	9200	15934
7/24/08	34.89	1.4835	3.539	47	10900	17420
7/23/08	32.7	1.3973	3.358	45.9	9230	18680
7/22/08	34.9	1.4887	3.575	47.05	11100	17478
7/21/08	38.865	1.6156	3.6821	51.05	9072	15920
7/18/08	32	1.5396	3.42	45.7	8895	16116
7/16/08	32.6	1.4173	3.333	46.405	9240	18960
7/15/08	32.02	1.5249	3.5	46.4	9385	16235
7/14/08	32.54	1.4104	3.315	46.735	9310	18900
7/11/08	31.94	1.3476	3.14	44.892	8932	19090
7/10/08	40.36	1.6601	3.7998	54.4	9482	15845
7/9/08	32.6	1.5267	3.391	46.2	8751	16058
7/8/08	31.84	1.5211	3.473	48.19	9130	16007
7/7/08	34.05	1.4586	3.584	48.09	10175	17800
7/4/08	38.345	1.6251	3.7995	54.68	9271	15797
7/2/08	33.24	1.406	3.4325	46.5	9485	18471
6/30/08	31.95	1.3463	3.1475	44.76	8936	19090
6/27/08	33.285	1.388	3.383	46.78	9400	17825
6/26/08	31.8	1.3625	3.166	45.21	8965	19220
6/25/08	33.29	1.3666	3.242	44.05	9298	16619
6/24/08	31.8	1.5076	3.453	45.47	9220	16226
6/23/08	32.6	1.5148	3.402	47.1	8810	16037
6/20/08	32.23	1.3672	3.234	42.66	9280	16158
6/19/08	38.365	1.6374	3.7995	54.67	9268	15785
6/18/08	33.32	1.3512	3.23	45.11	9143	16820
6/17/08	32.585	1.3986	3.26	46.245	9170	18850
6/16/08	39.59	1.6275	3.7399	52.15	9345	15901
6/13/08	39.43	1.6294	3.718	51.8	9260	15920
6/12/08	31.8	1.4182	3.236	40.8	9265	15955
6/11/08	31.6	1.4488	3.34	43.4	9130	16060
6/10/08	38.44	1.6345	3.7995	55.06	9145	15786
6/6/08	32.5	1.4078	3.3175	46.6	9255	18970
6/5/08	32.05	1.3596	3.207	43.42	9305	16185
6/4/08	32.6	1.3625	3.22	43.61	9300	16245
6/3/08	38.38	1.5835	3.613	52.65	9245	15965
6/2/08	32.22	1.373	3.198	44.28	9005	18980

5/30/08	32	1.5194	3.5125	47.1	9438	16225
5/26/08	38.865	1.6202	3.705	51.12	9170	15904
5/23/08	39.35	1.6338	3.743	51.75	9280	15929
5/22/08	32.6	1.5237	3.4	46.63	8790	16038
5/21/08	31.94	1.3569	3.22	43.19	9287	16179
5/16/08	32.255	1.5173	3.4525	48.05	9122	16010
5/15/08	34.89	1.4722	3.531	47.6	10400	17780
5/14/08	32.52	1.4124	3.365	47.25	9345	18970
5/13/08	34.9	1.5041	3.623	46.95	11290	17422
5/12/08	33.23	1.403	3.435	46.58	9470	18474
5/9/08	32.25	1.367	3.193	45.88	9000	19090
5/8/08	38.345	1.58	3.64	52.72	9250	15969
5/7/08	40.35	1.659	3.7998	54.3	9475	15841
5/6/08	34.9	1.5014	3.585	46.4	11305	17422
4/29/08	32.49	1.366	3.25	43.94	9305	16236
4/28/08	39.43	1.646	3.7995	54.05	9740	15822
4/25/08	33.26	1.3983	3.398	46.45	9470	17850
4/24/08	39.363	1.6335	3.748	52.02	9335	15912
4/23/08	33.27	1.3792	3.275	44.45	9305	16601
4/22/08	39.11	1.6274	3.716	51.2	9230	15909
4/21/08	39.41	1.6456	3.7995	54.28	9564	15830
4/18/08	32.51	1.4074	3.295	46.09	9255	18970
4/17/08	32.48	1.5233	3.5015	46.63	9395	16235
4/16/08	38.38	1.5926	3.662	53.2	9370	15987
4/10/08	38.515	1.6246	3.7995	54.2	9355	15815
4/9/08	38.42	1.5936	3.67	53.15	9460	15975
4/8/08	32.45	1.5109	3.426	47.5	9086	16028
4/4/08	39.3	1.6286	3.721	51.47	9215	15931
4/3/08	38.36	1.6307	3.7995	54.63	9258	15788
4/2/08	34.9	1.4879	3.576	47.45	11075	17420
4/1/08	33.19	1.3823	3.364	46.6	9380	17825
3/31/08	38.44	1.6257	3.7995	54	9350	15795
3/28/08	38.8	1.6152	3.681	51.08	9015	15922
3/27/08	38.83	1.6278	3.706	51.05	9172	15905
3/26/08	39.3	1.6298	3.7495	51.97	9310	15915
3/25/08	38.35	1.5969	3.655	53.2	9355	15993
3/24/08	39.3	1.6247	3.713	51.6	9260	15914
3/19/08	38.85	1.6345	3.7995	55.8	9190	15765
3/18/08	38.46	1.6349	3.7995	54.85	9175	15797
3/17/08	39.11	1.6281	3.7495	52.15	9374	15913
3/14/08	32.23	1.3624	3.182	45.71	9012	19090
3/13/08	32.25	1.3722	3.215	44.775	9037	18940

3/12/08	38.51	1.5927	3.665	44.05	9410	15970
3/11/08	33.23	1.3632	3.257	44.05	9305	16283
3/10/08	32.26	1.375	3.274	42.55	9290	16153
3/7/08	33.2	1.3881	3.384	46.8	9455	17820
3/6/08	32.36	1.3918	3.232	46.07	9040	18970
3/5/08	32.45	1.51	3.42	47.45	9091	16038
3/4/08	38.455	1.632	3.7995	55.06	9143	15790
3/3/08	32.35	1.3967	3.23	44.87	9055	19080
2/29/08	32.46	1.5171	3.456	48.05	9120	16009
2/28/08	39.121	1.6508	3.7995	54.75	9464	15814
2/27/08	32.25	1.5366	3.435	45.8	8920	16106
2/26/08	38.32	1.639	3.7995	54.47	9243	15800
2/22/08	38.555	1.6369	3.7995	55.83	9157	15770
2/20/08	33.19	1.402	3.422	46.23	9420	18469
2/19/08	38.78	1.6138	3.6975	50.83	9125	15904
2/18/08	32.45	1.5119	3.42	47.51	9088	16037
2/15/08	38.8	1.6156	3.704	50.96	9120	15906
2/14/08	32.25	1.3662	3.1725	44.215	9005	18950
2/13/08	38.34	1.6338	3.7995	54.55	9190	15795
2/12/08	32.36	1.3827	3.186	44.795	9080	18940
1/31/08	38.35	1.626	3.7995	54.58	9187	15790
1/30/08	38.45	1.6316	3.7995	54.68	9245	15798
1/29/08	32.36	1.3935	3.234	46.35	9067	19020
1/28/08	38.51	1.609	3.678	50.97	8970	15920
1/25/08	38.31	1.6215	3.7995	54.55	9380	15802
1/24/08	32.36	1.3866	3.249	46.05	9050	18970
1/22/08	39.18	1.6219	3.7122	51.75	9230	15913
1/21/08	34.99	1.4935	3.5985	46.85	11650	17454
1/18/08	38.525	1.6399	3.7995	54.75	9282	15781
1/17/08	33.21	1.4032	3.435	46.75	9470	18450
1/16/08	33.22	1.3845	3.373	46.87	9445	17873
1/15/08	38.59	1.6291	3.7995	54.17	9405	15810
1/14/08	38.52	1.5975	3.683	53.3	9485	15976
1/9/08	38.52	1.5886	3.64	52.8	9360	15961
1/8/08	32.37	1.4085	3.273	45.895	9240	18960
1/7/08	33.21	1.5365	3.4975	48.14	9070	15980
1/4/08	32.4	1.5203	3.502	46.6	9410	16230
1/3/08	39.29	1.6519	3.7995	54.55	9515	15823
1/2/08	34.99	1.4953	3.598	47.05	11655	17434
12/28/07	34.95	1.5102	3.59	48.86	11500	16895
12/27/07	32.35	1.3846	3.217	45.555	9015	18940
12/26/07	38.465	1.6318	3.7995	55.24	9135	15781

12/19/07	38.745	1.6428	3.7995	54.16	9405	15822
12/18/07	32.35	1.3814	3.198	46.215	9040	19090
12/17/07	38.31	1.6258	3.7995	54.55	9325	15805
12/14/07	32.35	1.3825	3.203	46.205	9037	19050
12/13/07	38.3	1.6416	3.7995	54.51	9215	15786
12/12/07	34.96	1.4474	3.478	47.5	11000	17447
12/11/07	32.4	1.528	3.476	45.7	9350	16202
12/7/07	39.19	1.6219	3.7135	51.05	9165	15893
12/6/07	32.26	1.3806	3.2035	44.99	9090	18970
12/4/07	32.4	1.3788	3.264	42.7	9290	16155
12/3/07	32.39	1.3874	3.227	45.855	9025	18940
11/29/07	39.135	1.6251	3.718	51.19	9230	15904
11/28/07	34.98	1.4721	3.525	48.37	10850	16772
11/27/07	38.595	1.6377	3.7995	55.41	9150	15781
11/26/07	32.39	1.3855	3.222	46.255	9015	18950
11/23/07	32.4	1.5272	3.5065	46.57	9395	16233
11/22/07	38.53	1.6475	3.7995	54.86	9280	15791
11/21/07	32.45	1.5259	3.492	46.6	9390	16229
11/20/07	38.65	1.6392	3.7995	54.08	9395	15815
11/19/07	38.49	1.6274	3.7995	54.61	9200	15795
11/16/07	38.52	1.652	3.7995	54.65	9270	15795
11/15/07	32.4	1.3959	3.252	46.625	9160	18965
11/14/07	32.36	1.5423	3.467	46.65	9070	16096
11/13/07	39.24	1.6289	3.747	52.73	9387	15906
11/12/07	32.37	1.396	3.255	45.285	9150	18970
11/9/07	33.03	1.3654	3.262	44.51	9310	16280
11/7/07	32.45	1.5367	3.4235	46.09	8870	16088
11/6/07	33.02	1.3868	3.335	45.35	9150	18469
11/5/07	38.515	1.623	3.7995	54	9360	15797
10/31/07	39.155	1.6429	3.7995	56.08	9295	15770
10/30/07	32.38	1.4074	3.315	45.58	9120	19080
10/26/07	32.34	1.3875	3.19	45.12	9090	18990
10/25/07	32.45	1.3639	3.238	43.6	9295	16216
10/24/07	38.54	1.6376	3.7995	55.03	9160	15781
10/22/07	38.295	1.5865	3.6555	52.91	9365	15968
10/19/07	39.235	1.6577	3.7995	54.73	9465	15808
10/18/07	33.02	1.3898	3.34	45.37	9170	18469
10/17/07	38.535	1.6413	3.7995	55.01	9280	15795
10/11/07	33.15	1.5211	3.3998	46.83	8800	16030
10/10/07	33.16	1.3889	3.395	46.05	9430	18269
10/9/07	38.695	1.6133	3.7065	51.15	9175	15901
10/8/07	32.45	1.525	3.5065	46.49	9400	16225

10/5/07	32.3	1.5178	3.448	47.9	9080	16033
10/4/07	38.31	1.6232	3.7995	53.9	9370	15791
10/3/07	34.93	1.5019	3.541	48.4	10845	16835
10/2/07	32.35	1.403	3.305	45.45	9115	19070
10/1/07	39.17	1.6298	3.719	51.25	9300	15903
9/28/07	33.03	1.4078	3.401	46.21	9325	18650
9/27/07	33.15	1.4037	3.409	46.49	9320	18460
9/26/07	38.569	1.6379	3.7995	54.84	9265	15790
9/25/07	34.9	1.4949	3.55	48.25	10850	16880
9/24/07	32.42	1.3923	3.2225	46.55	9050	19060
9/21/07	38.41	1.5902	3.65	53.15	9372	15986
9/20/07	32.4	1.543	3.472	46.43	9078	16109
9/19/07	32.39	1.4055	3.315	46.57	9260	18970
9/18/07	33.02	1.3927	3.375	45.63	9210	18469
9/17/07	33.16	1.5256	3.509	48.65	9208	16000
9/14/07	32.39	1.4061	3.315	45.71	9122	18670
9/13/07	33.17	1.3804	3.368	46.1	9413	18281
9/12/07	32.45	1.5232	3.5	46.55	9386	16235
9/11/07	32.37	1.3955	3.2175	45.285	9100	18970
9/10/07	38.29	1.6199	3.7995	54.3	9330	15810
9/7/07	32.7	1.3629	3.221	43.76	9305	16250
9/6/07	32.34	1.3959	3.2125	44.85	9040	18950
9/5/07	34.94	1.5072	3.608	47.24	11100	17415
9/4/07	32.34	1.3894	3.1845	44.65	9022	19000
8/30/07	39.19	1.6288	3.723	51.48	9226	15925
8/29/07	35	1.4614	3.465	47.2	10850	17424
8/28/07	33.02	1.4104	3.4025	46.04	9285	18630
8/24/07	32.34	1.3983	3.304	45.52	9170	18680
8/23/07	34.96	1.5383	3.5005	48.92	9068	16066
8/22/07	39.135	1.6178	3.704	50.99	9105	15899
8/21/07	38.54	1.6473	3.7995	54.72	9270	15800
8/16/07	33.17	1.4204	3.442	46.45	9380	18469
8/15/07	38.465	1.5948	3.64	53.115	9275	15978
8/14/07	35	1.4862	3.565	47.75	10975	16930
8/10/07	39.155	1.6214	3.747	52.8	9435	15918
8/8/07	33.15	1.3853	3.365	46.55	9380	17863
8/7/07	32.38	1.4003	3.246	44.9	9066	19060
8/6/07	32.31	1.3765	3.1865	45.47	9010	18950
8/3/07	33.07	1.3736	3.264	44.58	9314	16290
8/2/07	32.42	1.392	3.206	46.48	9055	19085
8/1/07	39.22	1.633	3.7198	51.72	9218	15924
7/31/07	32.33	1.3985	3.259	45.05	9085	19080

7/27/07	32.27	1.4019	3.261	45.37	9190	18960
7/26/07	39.203	1.6495	3.7995	56.11	9290	15771
7/25/07	32.45	1.4147	3.318	46.565	9245	18960
7/24/07	32.72	1.3985	3.333	45.79	9170	18680
7/23/07	32.4	1.4023	3.245	46.425	9050	19030
7/20/07	33.17	1.4109	3.4236	46.32	9335	18700
7/19/07	34.92	1.5032	3.617	47.01	11650	17434
7/18/07	33.17	1.4058	3.394	46.13	9290	18550
7/17/07	32.34	1.3997	3.2672	45.21	9085	19000
7/16/07	32.41	1.3835	3.219	46.505	9055	18900
7/13/07	33.14	1.4049	3.413	46.4	9345	18469
7/12/07	38.48	1.6329	3.7995	55.46	9130	15779
7/11/07	32.38	1.3927	3.256	46.14	9147	18960
7/10/07	33.17	1.4118	3.421	46.19	9365	18850
7/9/07	32.31	1.3807	3.198	45.525	9070	19000
7/6/07	32.4	1.5189	3.445	47.75	9108	16032
7/5/07	32.32	1.3941	3.312	45.66	9160	18680
7/4/07	39.21	1.6277	3.744	52.75	9430	15913
7/3/07	38.54	1.6402	3.7995	55.36	9146	15780
7/2/07	32.33	1.3903	3.205	44.71	9015	19000
6/29/07	34.94	1.5038	3.583	48.73	11100	16900
6/28/07	33.17	1.4166	3.4225	46.21	9375	18469
6/27/07	34.94	1.5134	3.613	46.92	11750	17434
6/26/07	38.469	1.6326	3.7995	55.54	9158	15782
6/25/07	32.31	1.3699	3.2075	44.445	9020	18875
6/22/07	32.38	1.3905	3.267	46.45	9170	18960
6/21/07	35.07	1.5375	3.499	48.76	9074	16055
6/20/07	33.071	1.4091	3.398	45.95	9300	18750
6/19/07	32.45	1.3715	3.217	42.77	9237	16156
6/18/07	35.05	1.4998	3.6135	48.06	10875	16930
6/15/07	34.92	1.4885	3.545	48.38	10850	16840
6/14/07	32.38	1.392	3.2575	46.175	9148	18900
6/13/07	35.02	1.5355	3.5	48.75	9095	16045
6/12/07	38.48	1.5985	3.685	53.32	9395	15992
6/8/07	32.45	1.3858	3.205	46.5	9050	19080
6/7/07	32.41	1.5113	3.425	47.55	9100	16037
6/6/07	32.31	1.5127	3.449	47.95	9095	16026
6/5/07	33.085	1.4035	3.425	46.77	9395	18469
6/4/07	32.75	1.5255	3.42	47.5	9073	16043
5/30/07	32.7	1.5301	3.4035	45.65	8790	16088
5/29/07	32.75	1.5296	3.394	45.67	8770	16085
5/28/07	33.14	1.423	3.4435	46.65	9390	18469

5/25/07	33.13	1.3875	3.378	45.99	9410	18280
5/24/07	33.09	1.3714	3.269	44.49	9310	16613
5/23/07	34.95	1.5059	3.597	46.46	11310	17422
5/22/07	33.13	1.3965	3.388	45.87	9315	18469
5/21/07	32.3	1.5134	3.419	47.39	9085	16032
5/16/07	33.12	1.3886	3.395	46.07	9432	18269
5/15/07	33.08	1.3652	3.255	44.04	9300	16275
5/11/07	34.95	1.4774	3.523	47.94	10850	16783
5/10/07	35	1.5228	3.598	49.61	11700	16970
5/9/07	34.95	1.5084	3.597	49.27	11500	16950
5/8/07	34.95	1.5085	3.605	46.45	11370	17434
5/4/07	38.54	1.6387	3.7995	54.55	9245	15788
5/3/07	32.7	1.5277	3.486	46.64	9385	16245
4/25/07	35.05	1.4669	3.53	48.65	10650	16850
4/24/07	32.27	1.3767	3.2255	46.425	9055	19090
4/23/07	33.02	1.5258	3.505	48.4	9165	15996
4/20/07	33.11	1.3937	3.393	46.15	9435	18750
4/19/07	33.12	1.3927	3.372	45.79	9235	18469
4/18/07	34.95	1.4941	3.578	47.03	11100	17415
4/17/07	33	1.5199	3.485	46.63	9400	16225
4/12/07	33.12	1.3793	3.369	46.92	9385	17800
4/11/07	33.1	1.3914	3.396	46.29	9435	18700
4/10/07	33.14	1.4119	3.4236	46.31	9345	18700
4/4/07	33	1.5334	3.503	46.28	9470	16233
4/3/07	33.11	1.3905	3.398	45.95	9435	18274
4/2/07	32.32	1.3705	3.1835	44.45	9010	18875
3/30/07	33.1	1.5195	3.48	46.62	9348	16235
3/29/07	33.12	1.4098	3.424	46.53	9380	18469
3/28/07	33.14	1.4063	3.386	46.07	9265	18550
3/27/07	33.11	1.5149	3.4	47.05	8795	16038
3/26/07	33.12	1.411	3.402	46.09	9335	18600
3/23/07	32.3	1.5412	3.463	46.35	9065	16115
3/22/07	33.11	1.38	3.3747	46.15	9430	18276
3/21/07	33	1.4038	3.3955	46.2	9300	18469
3/20/07	32.27	1.3844	3.2515	45.76	9087	18900
3/16/07	33.1	1.3857	3.377	46.96	9475	17805
3/15/07	34.9	1.4784	3.519	48.35	10900	16800
3/14/07	34.95	1.5089	3.624	47.24	11650	17434
3/13/07	33.12	1.3969	3.374	45.92	9235	18474
3/12/07	33.14	1.3795	3.3785	47.05	9440	19150
3/9/07	32.33	1.3693	3.185	44.61	9017	18940
3/8/07	35.03	1.5271	3.601	49.94	11750	16962

3/7/07	38.47	1.5971	3.665	53.22	9375	15984
3/6/07	38.27	1.622	3.7995	54.73	9273	15803
3/2/07	34.95	1.4426	3.477	47.5	10900	17280
3/1/07	32.3	1.3636	3.24	43.3	9320	16219
2/28/07	35.15	1.5108	3.6185	47.24	11760	17430
2/27/07	38.265	1.5796	3.575	52.03	8985	15965
2/26/07	32.28	1.3735	3.185	44.275	9005	18880
2/15/07	34.92	1.5375	3.5	48.72	9100	16042
2/14/07	35.15	1.5042	3.602	46.85	11750	17435
2/13/07	32.32	1.3987	3.265	45.15	9085	19070
2/12/07	32.9	1.3657	3.242	43.99	9313	16265
2/9/07	32.33	1.3797	3.2	45.08	9080	18920
2/8/07	32.3	1.3751	3.201	46.24	9045	19090
2/7/07	32.28	1.3955	3.2095	44.7	9045	19020
2/6/07	32.33	1.3782	3.1925	46.335	9055	19090
2/5/07	32.29	1.396	3.305	45.59	9120	18685
2/2/07	32.29	1.3738	3.2105	46.385	9040	19085
1/31/07	32.3	1.3636	3.212	42.55	9239	16145
1/30/07	32.8	1.5304	3.398	46.12	8822	16085
1/29/07	38.24	1.579	3.645	52.85	9345	15967
1/26/07	32.85	1.5247	3.4	46.38	8815	16049
1/25/07	32.9	1.5339	3.485	46.1	9422	16220
1/24/07	32.89	1.3898	3.34	45.75	9220	18469
1/23/07	38.25	1.6061	3.666	51.05	9000	15920
1/22/07	32.83	1.5195	3.42	47.37	9083	16043
1/19/07	32.85	1.525	3.499	48.55	9220	16008
1/18/07	38.143	1.5726	3.639	52.75	9248	15965
1/17/07	35.16	1.5366	3.5	48.71	9092	16055
1/16/07	38.24	1.5802	3.629	52.765	9215	15968
1/15/07	32.85	1.5166	3.454	48	9105	16005
1/12/07	32.85	1.3883	3.3445	45.39	9170	18469
1/11/07	35.13	1.529	3.608	49.87	11850	16970
1/10/07	35.17	1.5344	3.5005	48.92	9075	16065
1/9/07	38.145	1.5928	3.6805	52.64	9235	16003
1/8/07	38.26	1.6182	3.7995	54.18	9360	15801
1/5/07	32.95	1.3901	3.338	45.7	9225	18469
1/4/07	32.95	1.5286	3.397	46.2	8822	16084
1/3/07	32.95	1.4005	3.362	46.18	9290	18474
12/29/06	38.235	1.6222	3.7995	54.62	9252	15798
12/28/06	32.33	1.5231	3.502	46.76	9415	16236
12/27/06	38.243	1.6064	3.671	51.01	8985	15929
12/22/06	32.85	1.3876	3.337	45.6	9160	18469

12/21/06	32.86	1.533	3.51	48.43	9217	16009
12/20/06	35.11	1.4708	3.529	48.03	10490	17782
12/19/06	32.29	1.5255	3.502	46.71	9390	16235
12/18/06	38.1	1.6093	3.67	51.2	8985	15927
12/15/06	32.28	1.376	3.2045	46.41	9032	19090
12/14/06	32.8	1.5298	3.4	46.2	8835	16080
12/13/06	35.16	1.5069	3.602	47.01	11750	17430
12/12/06	32.28	1.3723	3.198	44.365	9012	18950
12/8/06	35.14	1.4805	3.558	48	10585	17780
12/7/06	32.83	1.5281	3.386	45.95	8740	16065
12/6/06	38.1	1.5823	3.672	52.98	9262	15995
12/4/06	38.14	1.5835	3.616	52.55	9185	15965
11/30/06	35.18	1.509	3.627	49.85	12050	16913
11/29/06	38.07	1.5875	3.693	52.6	9250	15997
11/28/06	38.09	1.5779	3.633	52.7	9270	15969
11/27/06	38.218	1.6067	3.667	50.97	8970	15923
11/24/06	38.17	1.5938	3.688	52.68	9290	16000
11/23/06	32.83	1.3891	3.338	45.8	9185	18460
11/22/06	32.8	1.5333	3.5115	48.62	9220	16008
11/21/06	38.205	1.581	3.637	52.88	9335	15962
11/20/06	32.8	1.5325	3.386	46.01	8675	16058
11/17/06	37.69	1.5773	3.678	51.4	9135	16011
11/16/06	35.23	1.5071	3.619	49.42	12100	16921
11/15/06	35.2	1.5414	3.5435	49.31	9062	16074
11/14/06	37.69	1.5859	3.678	50.1	9140	16041
11/13/06	38.053	1.6118	3.672	51.25	8985	15925
11/10/06	32.83	1.405	3.401	46.1	9325	18800
11/9/06	32.7	1.4048	3.3875	46.1	9250	18600
11/8/06	38.05	1.5834	3.66	52.93	9145	16000
11/7/06	38.05	1.6078	3.671	51.23	8985	15922
11/6/06	35.25	1.5007	3.595	47.86	11480	17750
11/3/06	35.24	1.505	3.5775	47.69	11450	17770
11/2/06	35.25	1.4849	3.585	48.49	10805	17782
10/31/06	38.03	1.5878	3.685	51.8	9105	15996
10/30/06	32.81	1.5274	3.506	48.35	9170	16005
10/20/06	38.05	1.589	3.67	52.34	9170	15992
10/19/06	35.235	1.5307	3.621	49.92	11950	16924
10/18/06	38.03	1.6127	3.668	51.16	8980	15923
10/17/06	38	1.608	3.668	51.11	8960	15922
10/16/06	37.745	1.5659	3.58	51.6	8685	15971
10/13/06	37.99	1.5863	3.678	52.23	9160	16001
10/12/06	35.24	1.541	3.543	49.36	9060	16076

10/11/06	37.685	1.5735	3.608	51.31	8765	15935
10/10/06	35.23	1.5418	3.549	49.3	9075	16075
10/9/06	37.68	1.5798	3.6785	51.31	9122	16007
10/6/06	37.81	1.5784	3.65	52.14	9040	15987
10/5/06	35.25	1.5185	3.645	48.1	11540	17680
10/4/06	35.23	1.4806	3.558	48.05	10570	17782
10/3/06	37.68	1.5728	3.66	51.35	9065	16016
10/2/06	37.99	1.5738	3.6	52.3	9180	15966
9/27/06	37.82	1.5743	3.646	52.3	9060	15994
9/26/06	37.76	1.5753	3.61	51.34	8760	15960
9/25/06	37.81	1.5949	3.658	51.55	8872	15930
9/22/06	37.68	1.5777	3.6795	51.12	9120	16018
9/21/06	37.805	1.5979	3.6725	51.35	8965	15924
9/19/06	37.8	1.5724	3.673	51.47	9082	16001
9/18/06	37.94	1.5828	3.677	52.1	9142	15996
9/15/06	37.85	1.5749	3.64	52.1	9045	15989
9/14/06	37.77	1.5916	3.68	50.03	9145	16040
9/13/06	37.855	1.579	3.656	51.43	9085	16001
9/12/06	37.95	1.5803	3.678	51.65	9100	15996
9/11/06	37.8	1.5804	3.671	51.45	9065	16002
9/8/06	37.65	1.5665	3.588	51.3	8725	15990
9/7/06	37.89	1.5659	3.58	51.65	8750	15978
9/6/06	37.8	1.5975	3.6625	51.25	8868	15925
9/5/06	37.63	1.5734	3.6745	51.25	9068	16010
9/1/06	37.915	1.5833	3.6575	52.305	9100	15988
8/30/06	37.64	1.5872	3.6415	51.83	8805	15936
8/29/06	37.78	1.5974	3.6605	51.45	8880	15932
8/28/06	37.8	1.5704	3.605	51.45	8770	15965
8/25/06	37.895	1.5777	3.67	51.455	9080	16001
8/24/06	37.9	1.584	3.6535	52.16	9105	15990
8/23/06	37.58	1.5814	3.6855	49.81	9170	16046
8/22/06	37.61	1.5729	3.674	51.25	9097	16014
8/17/06	37.578	1.5733	3.661	51.34	9075	16010
8/16/06	37.6	1.5901	3.6935	50.13	9226	16040
8/15/06	37.6	1.5604	3.58	51.37	8702	15963
8/11/06	37.58	1.5839	3.687	49.9	9180	16046
8/10/06	37.57	1.5881	3.686	49.95	9205	16053
8/8/06	35.31	1.515	3.64	48.17	11740	17435
8/7/06	37.59	1.5737	3.68	50.9	9101	16010
8/4/06	37.56	1.5737	3.668	51.08	9063	16000
8/3/06	37.59	1.5845	3.69	49.96	9210	16040
8/2/06	37.57	1.5732	3.67	51.08	9090	15997

8/1/06	37.55	1.5873	3.686	50.08	9190	16045
7/31/06	37.57	1.5721	3.6765	51.01	9080	16006
7/28/06	35.32	1.4966	3.625	48.35	10810	17760
7/27/06	37.54	1.5866	3.6475	51.57	8822	15930
7/26/06	37.525	1.5808	3.6245	51.65	8770	15940
7/25/06	37.52	1.5669	3.592	51.2	8730	16006
7/21/06	35.36	1.5142	3.604	47.82	11310	17700
7/20/06	35.34	1.4996	3.605	47.6	10890	17770
7/19/06	37.52	1.5885	3.679	50.25	9210	16037
7/18/06	35.37	1.5117	3.68	48.22	11965	17432
7/17/06	35.38	1.5073	3.622	47.99	11520	17750
7/14/06	35.88	1.5409	3.5738	49.55	9135	16055
7/13/06	35.37	1.5137	3.627	47.7	11085	17730
7/12/06	35.38	1.5059	3.615	48.5	10870	16977
7/10/06	35.36	1.4976	3.62	48.45	10870	17775
7/7/06	37.495	1.5765	3.67	50.5	9120	16017
7/6/06	37.49	1.583	3.6925	49.98	9205	16046
7/5/06	35.9	1.5392	3.616	49.52	9160	16065
7/4/06	37.5	1.5779	3.673	50.4	9150	16017
6/30/06	35.37	1.5286	3.638	47.75	11875	17435
6/29/06	37.48	1.5716	3.6655	50.65	9094	16005
6/28/06	37.47	1.5861	3.678	50.27	9235	16035
6/27/06	37.49	1.5833	3.63	51.71	8765	15937
6/26/06	35.39	1.508	3.62	49.12	12000	16900
6/23/06	35.93	1.5289	3.69	48.3	11980	17434
6/22/06	35.45	1.5087	3.615	48.73	11975	16871
6/21/06	35.91	1.5418	3.512	48.92	9112	16055
6/19/06	35.44	1.5219	3.635	49	11600	16930
6/16/06	37.48	1.5714	3.667	51.08	9063	16010
6/15/06	35.93	1.5484	3.715	48.46	11990	17430
6/14/06	35.43	1.4896	3.583	48.44	10780	17760
6/9/06	35.44	1.4964	3.597	47.54	10700	17780
6/8/06	37.47	1.5706	3.66	51.34	9075	16010
6/7/06	35.46	1.522	3.643	48.19	11535	17720
6/6/06	37.46	1.5718	3.665	51.22	9075	16010
6/5/06	35.93	1.5292	3.667	47.95	11930	17430
6/2/06	35.36	1.5091	3.626	48.1	11520	17640
6/1/06	35.74	1.5346	3.51	48.81	8955	16058
5/31/06	35.43	1.5337	3.527	49	8986	16051
5/30/06	35.74	1.5288	3.6725	48.24	11960	17432
5/29/06	36.56	1.549	3.635	49.69	9128	16089
5/24/06	37.38	1.5774	3.68	51.4	9094	16003

5/23/06	35.73	1.5127	3.621	48.85	11950	16917
5/22/06	36.54	1.5593	3.645	50.01	9182	16088
5/19/06	35.72	1.536	3.52	48.75	8990	16040
5/18/06	36.5	1.549	3.636	49.61	9135	16078
5/17/06	36.51	1.5499	3.633	49.68	9130	16078
5/16/06	37.42	1.5891	3.694	49.96	9210	16050
5/15/06	36.51	1.5583	3.634	49.71	9118	16086
5/11/06	37.38	1.5671	3.64	50.4	9105	16015
5/10/06	37.41	1.5776	3.6245	51.65	8760	15940
5/9/06	35.46	1.507	3.643	48.57	10840	17700
5/8/06	36.6	1.5582	3.6485	49.785	9140	16077
5/4/06	37.36	1.5684	3.6575	50.4	9080	16005
5/3/06	36.51	1.558	3.652	50.1	9153	16095
4/28/06	35.77	1.52	3.663	48.04	11920	17428
4/27/06	36.6	1.5525	3.643	49.65	9130	16078
4/26/06	35.94	1.5341	3.69	48.2	11975	17428
4/25/06	35.79	1.5328	3.661	48.22	11950	17432
4/24/06	36.11	1.5562	3.726	48.68	11985	17428
4/21/06	36.58	1.5556	3.636	49.85	9110	16085
4/20/06	37.33	1.5818	3.677	51.23	9075	16008
4/18/06	37.335	1.5759	3.67	50.4	9155	16040
4/17/06	35.7	1.5386	3.501	48.6	9070	16055
4/12/06	37.34	1.5845	3.674	50.26	9185	16035
4/7/06	36.04	1.5541	3.723	48.46	11995	17478
4/5/06	35.46	1.5228	3.65	48.48	11530	17700
4/4/06	35.98	1.5478	3.553	49.31	9075	16062
4/3/06	36.62	1.5555	3.6485	49.82	9151	16092
3/29/06	36.61	1.5561	3.65	49.96	9165	16093
3/28/06	36.65	1.5581	3.644	49.93	9118	16086
3/27/06	35.51	1.5303	3.527	48.82	8982	16056
3/24/06	35.75	1.5402	3.5875	49.69	9140	16066
3/23/06	35.94	1.5369	3.53	49.11	9072	16055
3/22/06	36.12	1.5455	3.715	48.6	11990	17430
3/21/06	35.5	1.5337	3.527	49	8986	16051
3/20/06	36.4	1.5563	3.637	49.85	9118	16083
3/17/06	36.05	1.5438	3.625	49.68	9162	16078
3/16/06	36.38	1.5414	3.532	49.35	9075	16046
3/15/06	35.4	1.5079	3.641	47.92	11550	17436
3/14/06	36.67	1.5608	3.646	49.79	9120	16075
3/13/06	36.675	1.5599	3.64	49.83	9100	16082
3/10/06	37.37	1.5696	3.647	50.21	9100	16020
3/9/06	36.63	1.561	3.6485	49.78	9081	16070

3/8/06	36.06	1.5504	3.707	48.68	11990	17428
3/7/06	36.37	1.5391	3.542	49.3	9110	16056
3/6/06	37.37	1.5677	3.645	50.3	9095	16020
3/3/06	35.5	1.5321	3.657	47.16	11890	17430
3/2/06	37.32	1.5725	3.673	49.97	9130	16055
3/1/06	37.36	1.5754	3.67	49.9	9140	16060
2/28/06	37.29	1.5859	3.678	50.1	9140	16039
2/27/06	35.97	1.5377	3.5125	48.75	9035	16050
2/24/06	37.28	1.5775	3.672	50.25	9120	16033
2/23/06	37.23	1.582	3.669	50.14	9105	16034
2/22/06	35.7	1.5267	3.658	47.82	11960	17430
2/21/06	37.26	1.5729	3.674	50.05	9120	16065
2/20/06	35.67	1.5394	3.547	49.47	9100	16075
2/17/06	35.64	1.5259	3.638	49.2	11775	16920
2/16/06	37.27	1.576	3.674	50.01	9155	16070
2/15/06	35.52	1.5425	3.5555	49.55	9081	16065
2/14/06	36.76	1.5638	3.6455	49.67	9100	16076
2/10/06	36.7	1.5646	3.6565	49.83	9120	16075
2/9/06	37.09	1.5664	3.666	49.8	9148	16070
2/8/06	36.728	1.5591	3.65	49.78	9090	16065
2/7/06	35.42	1.5116	3.623	47.95	11460	17590
2/6/06	36.68	1.5572	3.651	49.8	9084	16065
1/27/06	37.21	1.5742	3.674	50.01	9115	16070
1/26/06	37.2	1.5708	3.674	49.91	9153	16065
1/25/06	36.7	1.5603	3.648	49.7	9092	16076
1/24/06	35.52	1.5089	3.63	48.13	10710	17800
1/23/06	35.42	1.4996	3.635	48.5	11600	16980
1/20/06	35.57	1.5359	3.51	48.76	9005	16045
1/19/06	35.4	1.5126	3.59	47.67	11300	17710
1/18/06	35.54	1.5143	3.6125	48	11475	17710
1/17/06	35.55	1.5054	3.642	48.33	10810	17785
1/13/06	35.54	1.5307	3.627	48.66	11950	17000
1/12/06	35.61	1.5338	3.531	49.12	9035	16040
1/11/06	35.62	1.5237	3.638	49.05	11900	16979
1/9/06	35.55	1.5399	3.555	49.55	9100	16070
1/6/06	35.56	1.5454	3.546	49.59	9090	16062
1/5/06	35.58	1.5292	3.637	49.35	12000	16877
1/4/06	35.54	1.5385	3.541	49.37	9100	16076
1/3/06	35.4	1.5066	3.555	47.72	11275	17740

ภาคผนวก ข

ผลการคำนวณจากโปรแกรม Eviews 7.0

ผลการทดสอบแผนนิยูนิตราก

ตาราง ข-1 ผลการทดสอบ Panel Unit Root ด้วยวิธี LLC Test โดยกำหนดให้มีค่าคงที่ (Individual Intercept)

Null Hypothesis: Unit root (common unit root process)
 Series: LNSP
 Date: 05/15/11 Time: 23:01
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 8 to 11
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total number of observations: 6176
 Cross-sections included: 6

Method	Statistic	Prob.**
	-	
Levin, Lin & Chu t*	2.39864	0.0082

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNSP

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep. Lag	Max Lag	Bandwidth	Obs
1	-0.00052	2.E-06	3.E-05	8	21	1030
2	-0.04069	0.0084	0.0003	8	21	1030
3	-0.06054	0.0117	0.0002	9	21	1029
4	-0.05832	0.0427	0.0004	11	21	1027
5	-0.04636	0.0160	0.0001	8	21	1030
6	-0.12980	0.0881	0.0030	8	21	1030
	Coefficient	t-Stat	SE Reg	mu*	sig*	Obs
Pooled	-0.00056	-2.246	1.003	-0.500	0.707	6176

Null Hypothesis: Unit root (common unit root process)
 Series: LNEXR
 Date: 05/15/11 Time: 23:27
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 5
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total (balanced) observations: 6198
 Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	10.1098	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNEXR

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	-0.25291	0.0054	0.0002	5	21	51.0	1033
2	-0.32003	0.0039	0.0002	5	21	51.0	1033
3	-0.38515	0.0025	4.E-05	5	21	139.0	1033
4	-0.53342	0.0046	0.0002	5	21	65.0	1033
5	-0.32685	0.0046	0.0002	5	21	60.0	1033
6	-0.48253	0.0035	8.E-05	5	21	99.0	1033
	Coefficient	t-Stat	SE Reg	mu*	sig*		Obs
Pooled	-0.36286	-18.048	1.002	-0.500	0.707		6198

ตาราง ข-2 ผลการทดสอบ Panel Unit Root ด้วยวิธี LLC Test โดยกำหนดให้มีค่าคงที่และ
แนวโน้มเวลา (Individual Intercept and Trend)

Null Hypothesis: Unit root (common unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:02
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 6180
Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	3.64069	0.0001

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNSP

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep. Lag	Max Lag	Bandwidth	Obs
1	-0.00166	2.E-06	3.E-05	8	21	1030
2	-0.09056	0.0083	0.0002	8	21	1030
3	-0.30854	0.0115	0.0002	8	21	1030
4	-0.26563	0.0427	0.0004	8	21	1030
5	-0.18745	0.0158	0.0001	8	21	1030
6	-0.16211	0.0879	0.0029	8	21	1030
Pooled	Coefficient	t-Stat	SE Reg	mu*	sig*	Obs
	-0.00184	-3.089	1.009	-0.500	0.500	6180

Null Hypothesis: Unit root (common unit root process)
 Series: LNEXR
 Date: 05/15/11 Time: 23:27
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects, individual linear trends
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 3 to 5
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total number of observations: 6200
 Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	17.7877	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNEXR

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	-0.26768	0.0054	0.0002	5	21	51.0	1033
2	-0.32175	0.0039	0.0002	5	21	51.0	1033
3	-0.38579	0.0025	4.E-05	5	21	140.0	1033
4	-0.64566	0.0047	0.0002	3	21	65.0	1035
5	-0.34183	0.0045	0.0002	5	21	60.0	1033
6	-0.48922	0.0035	8.E-05	5	21	99.0	1033
	Coefficient	t-Stat	SE Reg	mu*	sig*		Obs
Pooled	-0.39257	-19.615	1.003	-0.500	0.500		6200

ตาราง ข-3 ผลการทดสอบ Panel Unit Root ด้วยวิธี LLC Test โดยกำหนดให้ไม่มีค่าคงที่และ
แนวโน้มเวลา (None)

Null Hypothesis: Unit root (common unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:03
Sample: 1/08/2007 12/30/2010
Exogenous variables: None
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8 to 11
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 6176
Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	3.2140 6	0.9993

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNSP

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	2.8E-05	2.E-06	5.E-05	8	21	22.0	1030
2	0.00038	0.0084	0.0003	8	21	96.0	1030
3	0.00040	0.0118	0.0002	9	21	174.0	1029
4	0.00085	0.0429	0.0007	11	21	357.0	1027
5	0.00046	0.0161	0.0004	8	21	758.0	1030
6	6.5E-05	0.0894	0.0030	8	21	69.0	1030
Pooled	Coefficient 2.8E-05	t-Stat 3.214	SE Reg 1.000	mu* 0.000	sig* 1.000		Obs 6176

Null Hypothesis: Unit root (common unit root process)
 Series: D(LNSP)
 Date: 05/15/11 Time: 23:19
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: None
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 7 to 10
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total number of observations: 6176
 Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	12.7514	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate results on D(LNSP)

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	-0.13596	2.E-06	1.E-07	7	21	84.0	1030
2	-4.88027	0.0084	0.0002	7	21	165.0	1030
3	-5.39493	0.0118	0.0005	8	21	80.0	1029
4	-6.12392	0.0429	0.0017	10	21	90.0	1027
5	-5.00375	0.0161	0.0005	7	21	110.0	1030
6	-5.04199	0.0894	0.0042	7	21	79.0	1030
	Coefficient	t-Stat	SE Reg	mu*	sig*		Obs
Pooled	-0.39877	-12.751	1.124	0.000	1.000		6176

Null Hypothesis: Unit root (common unit root process)
 Series: LNEXR
 Date: 05/15/11 Time: 23:29
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: None
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 9 to 13
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total number of observations: 6158
 Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	0.03275	0.4869

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNEXR

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	0.00029	0.0052	0.0002	13	21	51.0	1025
2	0.00040	0.0038	0.0002	13	21	51.0	1025
3	0.00016	0.0025	4.E-05	13	21	139.0	1025
4	-4.4E-05	0.0047	0.0002	9	21	65.0	1029
5	0.00023	0.0044	0.0002	13	21	60.0	1025
6	-4.0E-05	0.0036	8.E-05	9	21	98.0	1029
	Coefficient	t-Stat	SE Reg	mu*	sig*		Obs
Pooled	-4.5E-06	-0.033	1.000	0.000	1.000		6158

Null Hypothesis: Unit root (common unit root process)
 Series: D(LNEXR)
 Date: 05/15/11 Time: 23:30
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: None
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 8 to 12
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total number of observations: 6158
 Cross-sections included: 6

Method	Statistic	Prob.**
Levin, Lin & Chu t*	40.9321	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate results on D(LNEXR)

Cross section	2nd Stage Coefficient	Variance of Reg	HAC of Dep.	Lag	Max Lag	Bandwidth	Obs
1	-7.26804	0.0052	0.0004	12	21	43.0	1025
2	-7.23512	0.0038	0.0003	12	21	50.0	1025
3	-7.16555	0.0025	9.E-06	12	21	1036.0	1025
4	-5.26091	0.0047	0.0005	8	21	38.0	1029
5	-7.35118	0.0044	0.0003	12	21	56.0	1025
6	-5.60156	0.0036	5.E-05	8	21	303.0	1029
	Coefficient	t-Stat	SE Reg	mu*	sig*		Obs
Pooled	-6.26353	-40.932	1.003	0.000	1.000		6158

ตาราง ข-4 ผลการทดสอบ Panel Unit Root ด้วยวิธี Breitung โดยกำหนดให้มีค่าคงที่และ
แนวโน้มเวลา (Individual Intercept and Trend)

Null Hypothesis: Unit root (common unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:04
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8
Total (balanced) observations: 6174
Cross-sections included: 6

Method	Statistic	Prob.**
Breitung t-stat	-1.52768	0.0633

** Probabilities are computed assuming asymptotic normality

Intermediate regression results on LNSP

Cross section	S.E. of Regression	Lag	Max Lag	Obs
1	0.00154	8	21	1030
2	0.09183	8	21	1030
3	0.10904	8	21	1030
4	0.20973	8	21	1030
5	0.12682	8	21	1030
6	0.29905	8	21	1030

	Coefficient	t-Stat	SE Reg	Obs
Pooled	-0.00016	-1.528	0.000	6174

Null Hypothesis: Unit root (common unit root process)
 Series: LNXR
 Date: 05/15/11 Time: 23:31
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects, individual linear trends
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 3 to 5
 Total number of observations: 6194
 Cross-sections included: 6

Method	Statistic	Prob.**
Breitung t-stat	-3.40825	0.0003

** Probabilities are computed assuming asymptotic normality

Intermediate regression results on LNXR

Cross section	S.E. of Regression	Lag	Max Lag	Obs
1	0.07497	5	21	1033
2	0.06370	5	21	1033
3	0.05170	5	21	1033
4	0.07336	3	21	1035
5	0.06906	5	21	1033
6	0.06158	5	21	1033

	Coefficient	t-Stat	SE Reg	Obs
Pooled	-0.01544	-3.408	0.005	6194

ตาราง ข-5 ผลการทดสอบ Panel Unit Root ด้วยวิธี IPS โดยกำหนดให้มีค่าคงที่ (Individual Intercept)

Null Hypothesis: Unit root (individual unit root process)

Series: LNSP

Date: 05/15/11 Time: 23:05

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 8 to 11

Total number of observations: 6176

Cross-sections included: 6

Method	Statistic	Prob.**
Im, Pesaran and Shin W-stat	2.93460	0.0017

** Probabilities are computed assuming asymptotic normality

Intermediate ADF test results

Cross section	t-Stat	Prob.	E(t)	E(Var)	Lag	Max Lag	Obs
1	-2.1053	0.2427	-1.456	0.818	8	21	1030
2	-2.5890	0.0955	-1.456	0.818	8	21	1030
3	-2.4352	0.1323	-1.456	0.818	9	21	1029
4	-2.1521	0.2244	-1.456	0.818	11	21	1027
5	-2.1693	0.2179	-1.456	0.818	8	21	1030
6	-3.7864	0.0032	-1.456	0.818	8	21	1030
Average	-2.5396		-1.456	0.818			

Warning: for some series the expected mean and variance for the given lag and observation are not covered in IPS paper

Null Hypothesis: Unit root (individual unit root process)

Series: LNEXR

Date: 05/15/11 Time: 23:32

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 5

Total (balanced) observations: 6198

Cross-sections included: 6

Method	Statistic	Prob.**
	-	
Im, Pesaran and Shin W-stat	16.6922	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate ADF test results

Cross section	t-Stat	Prob.	E(t)	E(Var)	Lag	Max Lag	Obs
1	-5.9603	0.0000	-1.494	0.781	5	21	1033
2	-6.8097	0.0000	-1.494	0.781	5	21	1033
3	-7.6788	0.0000	-1.494	0.781	5	21	1033
4	-9.2971	0.0000	-1.494	0.781	5	21	1033
5	-6.9655	0.0000	-1.494	0.781	5	21	1033
6	-8.3864	0.0000	-1.494	0.781	5	21	1033
Average	-7.5163		-1.494	0.781			

ตาราง ข-6 ผลการทดสอบ Panel Unit Root ด้วยวิธี IPS โดยกำหนดให้มีค่าคงที่และแนวโน้ม
เวลา (Individual Intercept and Trend)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:07
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8
Total (balanced) observations: 6180
Cross-sections included: 6

Method	Statistic	Prob.**
Im, Pesaran and Shin W-stat	6.54172	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate ADF test results

Cross section	t-Stat	Prob.	E(t)	E(Var)	Lag	Max Lag	Obs
1	-2.7794	0.2053	-2.088	0.670	8	21	1030
2	-3.2801	0.0701	-2.088	0.670	8	21	1030
3	-5.7565	0.0000	-2.088	0.670	8	21	1030
4	-5.3852	0.0000	-2.088	0.670	8	21	1030
5	-4.4007	0.0022	-2.088	0.670	8	21	1030
6	-4.0422	0.0078	-2.088	0.670	8	21	1030
Average	-4.2740		-2.088	0.670			

Null Hypothesis: Unit root (individual unit root process)
 Series: LNXR
 Date: 05/15/11 Time: 23:33
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects, individual linear trends
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 3 to 5
 Total number of observations: 6200
 Cross-sections included: 6

Method	Statistic	Prob.**
Im, Pesaran and Shin W-stat	18.4224	0.0000

** Probabilities are computed assuming asymptotic normality

Intermediate ADF test results

Cross section	t-Stat	Prob.	E(t)	E(Var)	Lag	Max Lag	Obs
1	-6.1788	0.0000	-2.135	0.638	5	21	1033
2	-6.8355	0.0000	-2.135	0.638	5	21	1033
3	-7.6861	0.0000	-2.135	0.638	5	21	1033
4	-12.494	0.0000	-2.158	0.625	3	21	1035
5	-7.1637	0.0000	-2.135	0.638	5	21	1033
6	-8.4574	0.0000	-2.135	0.638	5	21	1033
Average	-8.1360		-2.139	0.636			

ตาราง ข-7 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-ADF โดยกำหนดให้มีค่าคงที่
(Individual Intercept)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:08
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8 to 11
Total number of observations: 6176
Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	29.1218	0.0038
ADF - Choi Z-stat	-3.01597	0.0013

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNSP

Cross section	Prob.	Lag	Max Lag	Obs
1	0.2427	8	21	1030
2	0.0955	8	21	1030
3	0.1323	9	21	1029
4	0.2244	11	21	1027
5	0.2179	8	21	1030
6	0.0032	8	21	1030

Null Hypothesis: Unit root (individual unit root process)

Series: LNXR

Date: 05/15/11 Time: 23:34

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 5

Total (balanced) observations: 6198

Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	297.769	0.0000
ADF - Choi Z-stat	-16.0620	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNXR

Cross section	Prob.	Lag	Max Lag	Obs
1	0.0000	5	21	1033
2	0.0000	5	21	1033
3	0.0000	5	21	1033
4	0.0000	5	21	1033
5	0.0000	5	21	1033
6	0.0000	5	21	1033

ตาราง ข-8 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-ADF โดยกำหนดให้มีค่าคงที่และ
แนวโน้มเวลา (Individual Intercept and Trend)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:10
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8
Total (balanced) observations: 6180
Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	75.1814	0.0000
ADF - Choi Z-stat	-6.50598	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi
-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNSP

Cross section	Prob.	Lag	Max Lag	Obs
1	0.2053	8	21	1030
2	0.0701	8	21	1030
3	0.0000	8	21	1030
4	0.0000	8	21	1030
5	0.0022	8	21	1030
6	0.0078	8	21	1030

Null Hypothesis: Unit root (individual unit root process)
 Series: LNXR
 Date: 05/15/11 Time: 23:35
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects, individual linear trends
 Automatic selection of maximum lags
 Automatic lag length selection based on SIC: 3 to 5
 Total number of observations: 6200
 Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	337.938	0.0000
ADF - Choi Z-stat	-16.7519	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNXR

Cross section	Prob.	Lag	Max Lag	Obs
1	0.0000	5	21	1033
2	0.0000	5	21	1033
3	0.0000	5	21	1033
4	0.0000	3	21	1035
5	0.0000	5	21	1033
6	0.0000	5	21	1033

ตาราง ข-9 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-ADF โดยกำหนดให้ไม่มีค่าคงที่และ
แนวโน้มเวลา (None)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:11
Sample: 1/08/2007 12/30/2010
Exogenous variables: None
Automatic selection of maximum lags
Automatic lag length selection based on SIC: 8 to 11
Total number of observations: 6176
Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	1.48694	0.9999
ADF - Choi Z-stat	3.77612	0.9999

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNSP

Cross section	Prob.	Lag	Max Lag	Obs
1	0.9996	8	21	1030
2	0.9235	8	21	1030
3	0.8912	9	21	1029
4	0.9153	11	21	1027
5	0.9065	8	21	1030
6	0.6966	8	21	1030

Null Hypothesis: Unit root (individual unit root process)

Series: D(LNSP)

Date: 05/15/11 Time: 23:22

Sample: 1/08/2007 12/30/2010

Exogenous variables: None

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 7 to 10

Total number of observations: 6176

Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	890.764	0.0000
ADF - Choi Z-stat	-28.1533	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results D(LNSP)

Cross section	Prob.	Lag	Max Lag	Obs
1	0.0000	7	21	1030
2	0.0000	7	21	1030
3	0.0000	8	21	1029
4	0.0000	10	21	1027
5	0.0000	7	21	1030
6	0.0000	7	21	1030

Null Hypothesis: Unit root (individual unit root process)

Series: LNXR

Date: 05/15/11 Time: 23:35

Sample: 1/08/2007 12/30/2010

Exogenous variables: None

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 9 to 13

Total number of observations: 6158

Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	4.12596	0.9811
ADF - Choi Z-stat	1.41934	0.9221

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results LNXR

Cross section	Prob.	Lag	Max Lag	Obs
1	0.8108	13	21	1025
2	0.7095	13	21	1025
3	0.7240	13	21	1025
4	0.6190	9	21	1029
5	0.8057	13	21	1025
6	0.6116	9	21	1029

Null Hypothesis: Unit root (individual unit root process)

Series: D(LNEXR)

Date: 05/15/11 Time: 23:36

Sample: 1/08/2007 12/30/2010

Exogenous variables: None

Automatic selection of maximum lags

Automatic lag length selection based on SIC: 8 to 12

Total number of observations: 6158

Cross-sections included: 6

Method	Statistic	Prob.**
ADF - Fisher Chi-square	951.178	0.0000
ADF - Choi Z-stat	-30.1526	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate ADF test results D(LNEXR)

Cross section	Prob.	Lag	Max Lag	Obs
1	0.0000	12	21	1025
2	0.0000	12	21	1025
3	0.0000	12	21	1025
4	0.0000	8	21	1029
5	0.0000	12	21	1025
6	0.0000	8	21	1029

ตาราง ข-10 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-PP โดยกำหนดให้มีค่าคงที่
(Individual Intercept)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:13
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 6228
Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	863.515	0.0000
PP - Choi Z-stat	-26.9456	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNSP

Cross section	Prob.	Bandwidth	Obs
1	0.0117	21.0	1038
2	0.0000	21.0	1038
3	0.0000	22.0	1038
4	0.0000	22.0	1038
5	0.0000	22.0	1038
6	0.0000	22.0	1038

Null Hypothesis: Unit root (individual unit root process)

Series: LNXR

Date: 05/15/11 Time: 23:36

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6228

Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	718.757	0.0000
PP - Choi Z-stat	-26.0385	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNXR

Cross section	Prob.	Bandwidth	Obs
1	0.0000	22.0	1038
2	0.0000	21.0	1038
3	0.0000	20.0	1038
4	0.0000	18.0	1038
5	0.0000	21.0	1038
6	0.0000	19.0	1038

ตาราง ข-11 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-PP โดยกำหนดให้มีค่าคงที่และ
แนวโน้มเวลา (Individual Intercept and Trend)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:14
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 6228
Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	1323.34	0.0000
PP - Choi Z-stat	-33.3692	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNSP

Cross section	Prob.	Bandwidth	Obs
1	0.0411	21.0	1038
2	0.0000	22.0	1038
3	0.0000	20.0	1038
4	0.0000	20.0	1038
5	0.0000	21.0	1038
6	0.0000	22.0	1038

Null Hypothesis: Unit root (individual unit root process)

Series: LNXR

Date: 05/15/11 Time: 23:37

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects, individual linear trends

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6228

Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	1580.34	0.0000
PP - Choi Z-stat	-39.1918	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNXR

Cross section	Prob.	Bandwidth	Obs
1	0.0000	21.0	1038
2	0.0000	21.0	1038
3	0.0000	20.0	1038
4	0.0000	18.0	1038
5	0.0000	20.0	1038
6	0.0000	19.0	1038

ตาราง ข-12 ผลการทดสอบ Panel Unit Root ด้วยวิธี Fisher-PP โดยกำหนดให้ไม่มีค่าคงที่และ
แนวโน้มเวลา (None)

Null Hypothesis: Unit root (individual unit root process)
Series: LNSP
Date: 05/15/11 Time: 23:15
Sample: 1/08/2007 12/30/2010
Exogenous variables: None
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 6228
Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	2.54376	0.9980
PP - Choi Z-stat	3.98847	1.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNSP

Cross section	Prob.	Bandwidth	Obs
1	1.0000	21.0	1038
2	0.9244	95.0	1038
3	0.8728	181.0	1038
4	0.7007	746.0	1038
5	0.8124	1037.0	1038
6	0.6103	55.0	1038

Null Hypothesis: Unit root (individual unit root process)

Series: D(LNSP)

Date: 05/15/11 Time: 23:23

Sample: 1/08/2007 12/30/2010

Exogenous variables: None

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6222

Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	277.709	0.0000
PP - Choi Z-stat	-13.0469	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(LNSP)

Cross section	Prob.	Bandwidth	Obs
1	0.0000	18.0	1037
2	0.0001	70.0	1037
3	0.0001	92.0	1037
4	0.0001	84.0	1037
5	0.0001	91.0	1037
6	0.0001	62.0	1037

Null Hypothesis: Unit root (individual unit root process)

Series: LNXR

Date: 05/15/11 Time: 23:38

Sample: 1/08/2007 12/30/2010

Exogenous variables: None

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6228

Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	8.08709	0.7783
PP - Choi Z-stat	0.41372	0.6605

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LNXR

Cross section	Prob.	Bandwidth	Obs
1	0.7420	49.0	1038
2	0.1543	11.0	1038
3	0.6290	107.0	1038
4	0.5744	64.0	1038
5	0.7695	58.0	1038
6	0.5509	98.0	1038

Null Hypothesis: Unit root (individual unit root process)
 Series: D(LNEXR)
 Date: 05/15/11 Time: 23:38
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: None
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total (balanced) observations: 6222
 Cross-sections included: 6

Method	Statistic	Prob.**
PP - Fisher Chi-square	110.524	0.0000
PP - Choi Z-stat	-9.10969	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(LNEXR)

Cross section	Prob.	Bandwidth	Obs
1	0.0001	59.0	1037
2	0.0001	51.0	1037
3	0.0001	88.0	1037
4	0.0001	89.0	1037
5	0.0001	63.0	1037
6	0.0001	61.0	1037

ตาราง ข-12 ผลการทดสอบ Panel Unit Root ด้วยวิธี Hadri โดยกำหนดให้มีค่าคงที่ (Individual Intercept)

Null Hypothesis: Stationarity
 Series: LNSP
 Date: 05/15/11 Time: 23:17
 Sample: 1/08/2007 12/30/2010
 Exogenous variables: Individual effects
 Newey-West automatic bandwidth selection and Bartlett kernel
 Total (balanced) observations: 6234
 Cross-sections included: 6

Method	Statistic	Prob.**
Hadri Z-stat	41.9821	0.0000
Heteroscedastic Consistent Z-stat	44.8354	0.0000

* Note: High autocorrelation leads to severe size distortion in Hadri test, leading to over-rejection of the null.

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNSP

Cross section	Variance			Bandwidth	Obs
	LM	HAC			
1	3.3320	1.098028		25.0	1039
2	2.8826	0.807300		24.0	1039
3	3.4253	0.444134		24.0	1039
4	3.1457	1.389715		24.0	1039
5	3.1614	0.821873		24.0	1039
6	1.4246	1.590920		23.0	1039

Null Hypothesis: Stationarity

Series: LNXR

Date: 05/15/11 Time: 23:39

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6234

Cross-sections included: 6

Method	Statistic	Prob.**
Hadri Z-stat	6.57829	0.0000
Heteroscedastic Consistent Z-stat	6.28444	0.0000

* Note: High autocorrelation leads to severe size distortion in Hadri test, leading to over-rejection of the null.

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNXR

Cross section	Variance			Obs
	LM	HAC	Bandwidth	
1	0.6830	0.051409	22.0	1039
2	0.3490	0.027642	22.0	1039
3	0.5149	0.014346	21.0	1039
4	0.7734	0.015381	19.0	1039
5	0.5559	0.031120	21.0	1039
6	0.4185	0.013605	20.0	1039

ตาราง ข-13 ผลการทดสอบ Panel Unit Root ด้วยวิธี Hadri โดยกำหนดให้มีค่าคงที่และแนวโน้ม
เวลา (Individual Intercept and Trend)

Null Hypothesis: Stationarity
Series: LNSP
Date: 05/15/11 Time: 23:19
Sample: 1/08/2007 12/30/2010
Exogenous variables: Individual effects, individual linear trends
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 6234
Cross-sections included: 6

Method	Statistic	Prob.**
Hadri Z-stat	19.4351	0.0000
Heteroscedastic Consistent Z-stat	21.0356	0.0000

* Note: High autocorrelation leads to severe size distortion in Hadri test, leading to over-rejection of the null.

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNSP

Cross section	Variance		Bandwidth	Obs
	LM	HAC		
1	0.5315	0.181800	25.0	1039
2	0.4442	0.247851	24.0	1039
3	0.3852	0.067417	21.0	1039
4	0.4144	0.306858	21.0	1039
5	0.4179	0.167773	22.0	1039
6	0.3598	1.121446	23.0	1039

Null Hypothesis: Stationarity

Series: LNXR

Date: 05/15/11 Time: 23:39

Sample: 1/08/2007 12/30/2010

Exogenous variables: Individual effects, individual linear trends

Newey-West automatic bandwidth selection and Bartlett kernel

Total (balanced) observations: 6234

Cross-sections included: 6

Method	Statistic	Prob.**
Hadri Z-stat	21.7347	0.0000
Heteroscedastic Consistent Z-stat	22.0305	0.0000

* Note: High autocorrelation leads to severe size distortion in Hadri test, leading to over-rejection of the null.

** Probabilities are computed assuming asymptotic normality

Intermediate results on LNXR

Cross section	Variance			Obs
	LM	HAC	Bandwidth	
1	0.4810	0.048612	22.0	1039
2	0.3427	0.027550	22.0	1039
3	0.5100	0.014332	21.0	1039
4	0.6158	0.014448	18.0	1039
5	0.3846	0.029613	21.0	1039
6	0.3208	0.013369	20.0	1039

ผลการทดสอบสมการพैनเนล

ตาราง ข-14 ผลการทดสอบสมการพैनเนลด้วยวิธี Hausman Test ของอัตราแลกเปลี่ยนเงินตรา
ต่างประเทศที่มีต่อดัชนีตลาดหลักทรัพย์

Correlated Random Effects - Hausman Test
Equation: Untitled
Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	60.764146	1	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LNEXR	0.678588	0.500113	0.000524	0.0000

Cross-section random effects test equation:

Dependent Variable: LNNSP
Method: Panel Least Squares
Date: 05/31/11 Time: 07:46
Sample: 1/08/2007 12/30/2010
Periods included: 1039
Cross-sections included: 6
Total panel (balanced) observations: 6234

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.058031	0.218367	18.58352	0.0000
LNEXR	0.678588	0.046734	14.52021	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.863354	Mean dependent var	7.228419
Adjusted R-squared	0.863223	S.D. dependent var	0.691697
S.E. of regression	0.255813	Akaike info criterion	0.112385
Sum squared resid	407.4978	Schwarz criterion	0.119951
Log likelihood	-343.3040	Hannan-Quinn criter.	0.115007
F-statistic	6557.230	Durbin-Watson stat	0.767817
Prob(F-statistic)	0.000000		

ตาราง ข-15 ผลการทดสอบสมการพैनเนลด้วยวิธี Hausman Test ของดัชนีตลาดหลักทรัพย์ที่มี

ต่อ

อัตราแลกเปลี่ยนเงินตราต่างประเทศ

Correlated Random Effects - Hausman Test
Equation: Untitled
Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	0.640304	1	0.4236

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LNSP	0.048261	0.048258	0.000000	0.4236

Cross-section random effects test equation:

Dependent Variable: LNXR

Method: Panel Least Squares

Date: 05/31/11 Time: 07:50

Sample: 1/08/2007 12/30/2010

Periods included: 1039

Cross-sections included: 6

Total panel (balanced) observations: 6234

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.323181	0.024041	179.8262	0.0000
LNSP	0.048261	0.003324	14.52021	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999639	Mean dependent var	4.672034
Adjusted R-squared	0.999639	S.D. dependent var	3.590147
S.E. of regression	0.068221	Akaike info criterion	-2.530999
Sum squared resid	28.98133	Schwarz criterion	-2.523433
Log likelihood	7896.123	Hannan-Quinn criter.	-2.528377
F-statistic	2875903.	Durbin-Watson stat	1.549978
Prob(F-statistic)	0.000000		

ตาราง ข-16 ผลการทดสอบสมการพैनเนลด้วยวิธี Redundant Fixed Effects Test ของดัชนีตลาดหลักทรัพย์ที่มีต่ออัตราแลกเปลี่ยนเงินตราต่างประเทศ

Redundant Fixed Effects Tests
Equation: Untitled
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	3061428.0017 48	(5,6227)	0.0000
Cross-section Chi-square	48672.495555	5	0.0000

Cross-section fixed effects test equation:
Dependent Variable: LNEXR
Method: Panel Least Squares
Date: 05/31/11 Time: 07:51
Sample: 1/08/2007 12/30/2010
Periods included: 1039
Cross-sections included: 6
Total panel (balanced) observations: 6234

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	17.27649	0.449675	38.41992	0.0000
LNSP	-1.743737	0.061927	-28.15815	0.0000
R-squared	0.112868	Mean dependent var		4.672034
Adjusted R-squared	0.112725	S.D. dependent var		3.590147
S.E. of regression	3.381749	Akaike info criterion		5.274984
Sum squared resid	71270.55	Schwarz criterion		5.277145
Log likelihood	-16440.12	Hannan-Quinn criter.		5.275733
F-statistic	792.8812	Durbin-Watson stat		0.015694
Prob(F-statistic)	0.000000			

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ผลการประมาณค่าแบบจำลอง

ตาราง ข-17 ผลการประมาณค่า Panel Cointegration ด้วยวิธี OLS

Dependent Variable: LNSP

Method: Panel EGLS (Cross-section random effects)

Date: 05/31/11 Time: 07:43

Sample: 1/08/2007 12/30/2010

Periods included: 1039

Cross-sections included: 6

Total panel (balanced) observations: 6234

Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.891875	0.354005	13.81868	0.0000
LNEXR	0.500113	0.040741	12.27532	0.0000
Effects Specification				
			S.D.	Rho
Cross-section random			0.731072	0.8909
Idiosyncratic random			0.255813	0.1091
Weighted Statistics				
R-squared	0.023389	Mean dependent var		0.078465
Adjusted R-squared	0.023232	S.D. dependent var		0.260076
S.E. of regression	0.257037	Sum squared resid		411.7360
F-statistic	149.2521	Durbin-Watson stat		0.757295
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	-8.482091	Mean dependent var		7.228419
Sum squared resid	28276.99	Durbin-Watson stat		0.011027

Dependent Variable: LNEXR
 Method: Panel Least Squares
 Date: 05/31/11 Time: 07:50
 Sample: 1/08/2007 12/30/2010
 Periods included: 1039
 Cross-sections included: 6
 Total panel (balanced) observations: 6234

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.323181	0.024041	179.8262	0.0000
LNSP	0.048261	0.003324	14.52021	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999639	Mean dependent var	4.672034
Adjusted R-squared	0.999639	S.D. dependent var	3.590147
S.E. of regression	0.068221	Akaike info criterion	-2.530999
Sum squared resid	28.98133	Schwarz criterion	-2.523433
Log likelihood	7896.123	Hannan-Quinn criter.	-2.528377
F-statistic	2875903.	Durbin-Watson stat	1.549978
Prob(F-statistic)	0.000000		

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ตาราง ข-18 ผลการประมาณค่า Panel Cointegration ด้วยวิธี DOLS

Dependent Variable: LN_{SP}
 Method: Panel EGLS (Cross-section random effects)
 Date: 05/31/11 Time: 08:09
 Sample (adjusted): 1/10/2007 12/30/2010
 Periods included: 1037
 Cross-sections included: 6
 Total panel (balanced) observations: 6222
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.740991	0.387688	12.22888	0.0000
LNEXR	0.532615	0.041719	12.76671	0.0000
D(LNEXR(-1))	0.012704	0.037418	0.339520	0.7342
Effects Specification				
			S.D.	Rho
Cross-section random			0.820857	0.9119
Idiosyncratic random			0.255076	0.0881
Weighted Statistics				
R-squared	0.025383	Mean dependent var	0.069758	
Adjusted R-squared	0.025070	S.D. dependent var	0.259357	
S.E. of regression	0.256086	Sum squared resid	407.8415	
F-statistic	80.98401	Durbin-Watson stat	0.764344	
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	-9.506650	Mean dependent var	7.229375	
Sum squared resid	31246.20	Durbin-Watson stat	0.009977	

Dependent Variable: LNEXR
 Method: Panel Least Squares
 Date: 05/31/11 Time: 08:13
 Sample (adjusted): 1/10/2007 12/30/2010
 Periods included: 1037
 Cross-sections included: 6
 Total panel (balanced) observations: 6222

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.318796	0.024142	178.8934	0.0000
LNSP	0.048858	0.003337	14.64034	0.0000
D(LNSP(-1))	0.003161	0.003790	0.834019	0.4043

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999639	Mean dependent var	4.672014
Adjusted R-squared	0.999639	S.D. dependent var	3.590123
S.E. of regression	0.068230	Akaike info criterion	-2.530592
Sum squared resid	28.92788	Schwarz criterion	-2.521932
Log likelihood	7880.673	Hannan-Quinn criter.	-2.527590
F-statistic	2459682.	Durbin-Watson stat	1.548387
Prob(F-statistic)	0.000000		

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ตาราง ข-19 ผลการประมาณค่า Panel Cointegration ด้วยวิธี GMM

Dependent Variable: LN5P

Method: Panel GMM EGLS (Cross-section random effects)

Date: 06/01/11 Time: 12:16

Sample (adjusted): 1/16/2007 12/30/2010

Periods included: 1033

Cross-sections included: 6

Total panel (balanced) observations: 6198

2SLS instrument weighting matrix

Swamy and Arora estimator of component variances

Instrument specification: C LN5P(-1) LN5P(-2) LN5P(-3) LN5P(-4) LN5P(-5) LN5P(-6) LNEXR(-1) LNEXR(-2) LNEXR(-3) LNEXR(-4) LNEXR(-5) LNEXR(-6)

Constant added to instrument list

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.170181	0.445304	11.61046	0.0000
LNEXR	0.441154	0.070742	6.236132	0.0000
Effects Specification				
			S.D.	Rho
Cross-section random			0.730973	0.8875
Idiosyncratic random			0.260265	0.1125
Weighted Statistics				
R-squared	0.024031	Mean dependent var		0.080103
Adjusted R-squared	0.023874	S.D. dependent var		0.258083
S.E. of regression	0.254984	Sum squared resid		402.8436
Durbin-Watson stat	0.774547	J-statistic		3523.856
Instrument rank	13			
Unweighted Statistics				
R-squared	-6.797153	Mean dependent var		7.231227
Sum squared resid	23056.68	Durbin-Watson stat		0.013533

Dependent Variable: LNEXR

Method: Panel Generalized Method of Moments

Date: 06/01/11 Time: 12:25

Sample (adjusted): 1/16/2007 12/30/2010

Periods included: 1033

Cross-sections included: 6

Total panel (balanced) observations: 6198

2SLS instrument weighting matrix

Instrument specification: C LNXP(-1) LNXP(-2) LNXP(-3) LNXP(-4) LNXP(-5) LNXP(-6) LNEXR(-1) LNEXR(-2) LNEXR(-3) LNEXR(-4) LNEXR(-5) LNEXR(-6)

Constant added to instrument list

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.460764	0.032521	137.1662	0.0000
LNXP	0.029204	0.004496	6.495962	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999637	Mean dependent var	4.671943
Adjusted R-squared	0.999637	S.D. dependent var	3.590089
S.E. of regression	0.068398	Sum squared resid	28.96316
Durbin-Watson stat	1.553666	J-statistic	894.9515
Instrument rank	18		

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