

	ČEZ	ČP	KB	PM	Unipetrol	PX
12/30/2004	340.70	15300.00	3272.00	16776.00	98.20	1032.00
12/29/2004	340.10	15300.00	3251.00	16728.00	98.20	1030.90
12/28/2004	336.60	15300.00	3227.00	16781.00	96.79	1020.50
12/27/2004	333.40	15300.00	3219.00	16718.00	94.59	1015.70
12/23/2004	330.00	15300.00	3238.00	16630.00	93.26	1011.00
12/22/2004	325.30	15300.00	3229.00	16458.00	92.40	1007.10
12/21/2004	318.30	15300.00	3213.00	16350.00	92.21	1002.00
12/20/2004	326.90	15300.00	3228.00	16510.00	92.30	1009.60
12/17/2004	329.50	15000.00	3243.00	16570.00	91.93	1013.00
12/16/2004	333.10	15000.00	3248.00	16789.00	91.95	1020.10
12/15/2004	333.70	14990.00	3241.00	16648.00	91.59	1019.50
12/14/2004	330.80	15000.00	3246.00	16386.00	91.77	1015.20
12/13/2004	318.20	15000.00	3192.00	15951.00	91.54	994.00
12/10/2004	322.20	15300.00	3163.00	15875.00	91.69	992.10
12/9/2004	315.40	15300.00	3117.00	15855.00	91.24	981.00
12/8/2004	333.90	15200.00	3250.00	15981.00	91.74	1012.60
12/7/2004	338.60	15200.00	3398.00	15945.00	91.81	1024.20
12/6/2004	340.50	15200.00	3378.00	15635.00	91.64	1021.00
12/3/2004	341.10	15200.00	3451.00	15780.00	91.04	1030.10
12/2/2004	338.30	15200.00	3452.00	15925.00	90.35	1029.70
12/1/2004	340.00	15200.00	3328.00	15710.00	89.26	1017.70
11/30/2004	334.60	15699.00	3365.00	15541.00	91.04	1010.90
11/29/2004	336.20	15699.00	3353.00	15791.00	91.74	1021.90
11/26/2004	339.60	15400.00	3325.00	16414.00	91.75	1027.70
11/25/2004	328.50	15700.00	3290.00	16625.00	91.29	1021.70
11/24/2004	334.00	15800.00	3287.00	16581.00	91.59	1012.90
11/23/2004	325.10	15800.00	3278.00	16776.00	91.75	999.90
11/22/2004	319.20	15800.00	3298.00	16540.00	92.68	998.30
11/19/2004	322.50	15800.00	3314.00	16401.00	92.86	1001.30
11/18/2004	317.40	15700.00	3326.00	16675.00	92.62	994.60
11/16/2004	302.50	15200.00	3172.00	16450.00	92.54	960.60
11/12/2004	299.10	15200.00	3148.00	16163.00	91.75	958.10
11/11/2004	300.50	15500.00	3207.00	15725.00	91.59	954.60
11/10/2004	292.80	15800.00	3208.00	15614.00	91.44	957.10
11/9/2004	284.10	15300.00	3213.00	15475.00	91.10	949.40
11/8/2004	280.50	15300.00	3180.00	15735.00	90.57	938.80
11/5/2004	285.80	15100.00	3253.00	15631.00	90.74	933.40
11/4/2004	283.50	14800.00	3185.00	14984.00	90.97	940.90
11/3/2004	283.80	15000.00	3183.00	14965.00	91.59	933.00
11/2/2004	285.60	14600.00	3183.00	14946.00	91.75	935.70
11/1/2004	277.20	14600.00	3102.00	14821.00	91.09	936.60
10/29/2004	273.90	14700.00	3114.00	14490.00	91.90	916.80
10/27/2004	267.00	14700.00	3029.00	14251.00	91.50	911.90
10/26/2004	271.30	14600.00	3068.00	14561.00	92.00	892.90
10/19/2004	270.50	12365.00	3133.00	14546.00	90.25	906.20
10/18/2004	258.70	12365.00	2979.00	14206.00	89.04	896.50
10/15/2004	265.30	12365.00	3001.00	14370.00	88.68	874.40
10/14/2004	269.20	12365.00	2998.00	14545.00	88.34	883.80
10/13/2004	273.80	13000.00	3029.00	14515.00	88.20	889.50
10/12/2004	277.00	12900.00	3030.00	14801.00	88.17	900.50
10/11/2004	278.30	12355.00	3059.00	14912.00	87.69	899.10

10/8/2004	266.40	12355.00	2903.00	14846.00	87.19	902.30
10/7/2004	268.90	12355.00	2965.00	15048.00	86.89	884.50
10/5/2004	253.00	12355.00	2936.00	15125.00	86.10	891.60
10/4/2004	248.50	12500.00	2876.00	14945.00	86.35	878.50
10/1/2004	258.00	12500.00	2857.00	14860.00	86.45	872.00
9/30/2004	259.30	12510.00	2831.00	14898.00	86.25	864.10
9/29/2004	254.60	12200.00	2848.00	15061.00	87.04	872.10
9/27/2004	239.00	12200.00	2737.00	15070.00	87.21	875.40
9/24/2004	237.20	12200.00	2780.00	14843.00	87.14	875.40
9/23/2004	237.70	12000.00	2792.00	14831.00	87.09	847.40
9/22/2004	240.30	12000.00	2853.00	14925.00	87.48	847.60
9/21/2004	232.10	12000.00	2887.00	14910.00	87.19	849.80
9/20/2004	229.50	12000.00	2877.00	14976.00	87.52	860.20
9/17/2004	236.50	12000.00	2931.00	15146.00	86.54	855.40
9/16/2004	237.80	12000.00	2930.00	15155.00	86.26	850.50
9/15/2004	239.40	12000.00	2934.00	14965.00	86.15	860.70
9/14/2004	233.80	12000.00	2892.00	14818.00	85.95	857.50
9/13/2004	231.50	12000.00	2902.00	14618.00	84.95	856.40
9/10/2004	228.50	12500.00	2855.00	14425.00	84.85	849.00
9/9/2004	220.20	11900.00	2898.00	14431.00	84.74	846.90
9/8/2004	220.30	11900.00	2894.00	14225.00	84.79	842.10
9/7/2004	216.50	11336.00	2876.00	14225.00	84.87	837.60
9/6/2004	217.00	11301.00	2880.00	14460.00	85.09	837.70
9/3/2004	208.20	11221.00	2847.00	14465.00	85.04	828.90
9/2/2004	207.50	11221.00	2827.00	14611.00	84.87	831.40
9/1/2004	208.30	11221.00	2828.00	14778.00	84.32	819.10
8/31/2004	206.00	11700.00	2807.00	14956.00	82.62	817.00
8/30/2004	204.20	11667.00	2771.00	13986.00	82.47	817.60
8/27/2004	201.60	11120.00	2775.00	14186.00	80.50	816.00
8/26/2004	198.15	11100.00	2792.00	14330.00	80.29	807.30
8/25/2004	196.15	11000.00	2748.00	14560.00	79.90	804.20
8/24/2004	196.64	11100.00	2742.00	14411.00	80.35	801.20
8/23/2004	194.64	11200.00	2748.00	14241.00	80.25	796.20
8/20/2004	191.90	11200.00	2735.00	14115.00	80.44	797.20
8/19/2004	193.74	11200.00	2727.00	13975.00	80.57	791.60
8/18/2004	197.64	11180.00	2673.00	14075.00	80.57	785.00
8/17/2004	198.25	11180.00	2668.00	14310.00	80.97	785.10
8/16/2004	197.75	11200.00	2635.00	15313.00	79.79	782.20
8/13/2004	194.45	11200.00	2615.00	15381.00	79.24	783.80
8/12/2004	194.54	11300.00	2615.00	15510.00	80.15	790.50
8/11/2004	196.05	11900.00	2637.00	15365.00	79.80	784.60
8/10/2004	202.10	11900.00	2623.00	15318.00	80.10	782.50
8/9/2004	198.69	11900.00	2626.00	14890.00	79.75	785.40
8/6/2004	200.00	11900.00	2621.00	14966.00	79.78	793.40
8/5/2004	199.30	11900.00	2685.00	15056.00	79.69	786.40
8/4/2004	194.64	11900.00	2692.00	15077.00	78.74	790.50
8/3/2004	196.04	11900.00	2673.00	15086.00	78.74	800.90
8/2/2004	194.29	11100.00	2678.00	15530.00	78.74	795.00
7/30/2004	198.22	11100.00	2692.00	15318.00	78.74	794.30
7/29/2004	198.95	11100.00	2641.00	17416.00	78.15	787.30
7/27/2004	197.29	11110.00	2594.00	17146.00	77.49	790.00
7/26/2004	198.25	11110.00	2588.00	16961.00	78.03	794.10
7/23/2004	201.30	11100.00	2522.00	17016.00	77.04	785.60
7/22/2004	201.10	11100.00	2418.00	16573.00	76.04	784.30
7/21/2004	201.70	11100.00	2473.00	16736.00	75.90	779.20
7/20/2004	203.80	11100.00	2505.00	17151.00	75.92	770.80

7/19/2004	203.00	11080.00	2561.00	16945.00	75.35	780.70
7/16/2004	199.20	11080.00	2585.00	16992.00	74.75	787.10
7/15/2004	198.54	11050.00	2531.00	17122.00	75.43	786.50
7/14/2004	201.10	11050.00	2598.00	17358.00	74.99	784.80
7/13/2004	194.34	11050.00	2758.00	17146.00	74.05	779.70
7/12/2004	193.65	11050.00	2750.00	16888.00	73.57	787.50
7/9/2004	192.40	11101.00	2747.00	16841.00	73.92	793.40
7/8/2004	188.91	11101.00	2835.00	16735.00	73.90	787.00
7/7/2004	187.87	11010.00	2849.00	16791.00	74.10	784.10
7/2/2004	185.24	11010.00	2903.00	16031.00	74.61	786.40
7/1/2004	185.64	11010.00	2949.00	16166.00	74.98	789.90
6/30/2004	184.59	11010.00	2937.00	15945.00	74.90	796.40
6/29/2004	183.75	11000.00	2960.00	16035.00	75.49	800.50
6/28/2004	181.49	11000.00	2965.00	15926.00	72.20	793.50
6/25/2004	182.89	10998.00	2971.00	16576.00	76.30	796.20
6/24/2004	182.89	10998.00	3016.00	16551.00	76.49	792.50
6/23/2004	183.45	10998.00	3021.00	16521.00	76.41	798.80
6/22/2004	184.07	10998.00	2927.00	16351.00	76.34	799.90
6/21/2004	183.49	10998.00	2930.00	16345.00	76.61	805.10
6/18/2004	184.25	10998.00	3018.00	16720.00	76.68	794.70
6/17/2004	184.54	11001.00	3003.00	16885.00	75.69	797.90
6/16/2004	180.30	11000.00	2856.00	16991.00	74.48	807.30
6/15/2004	178.74	11000.00	2864.00	16905.00	73.62	804.40
6/14/2004	176.99	11000.00	2854.00	17101.00	74.49	787.50
6/11/2004	177.24	11000.00	2866.00	16775.00	74.90	783.40
6/8/2004	187.25	11000.00	2889.00	15745.00	77.06	779.00
6/7/2004	188.25	11000.00	2925.00	15835.00	77.14	779.00
6/4/2004	186.55	11000.00	2860.00	15600.00	79.75	793.10
6/3/2004	185.70	11000.00	2853.00	15530.00	79.75	795.30
6/2/2004	188.10	11100.00	2834.00	14950.00	80.30	784.70
6/1/2004	184.95	11100.00	2830.00	15136.00	80.42	781.60
5/28/2004	183.49	11100.00	2835.00	15335.00	79.90	781.80
5/27/2004	178.89	11103.00	2846.00	15556.00	79.90	778.70
5/26/2004	177.80	11103.00	2820.00	15736.00	80.10	784.80
5/25/2004	173.80	11100.00	2757.00	15666.00	80.05	776.10
5/21/2004	172.10	11100.00	2740.00	15908.00	80.64	770.20
5/20/2004	172.39	11100.00	2728.00	16271.00	80.49	759.70
5/19/2004	173.65	11100.00	2780.00	15638.00	80.39	759.00
5/18/2004	171.74	11100.00	2717.00	15300.00	80.39	760.70
5/17/2004	169.80	11100.00	2653.00	15976.00	80.52	762.30
5/14/2004	172.59	11100.00	2632.00	16416.00	80.61	744.90
5/13/2004	166.25	11100.00	2645.00	17130.00	80.43	739.00
5/12/2004	171.50	11150.00	2736.00	17475.00	80.39	750.80
5/11/2004	172.84	11200.00	2774.00	17040.00	80.34	749.20
5/10/2004	165.52	11250.00	2623.00	17050.00	80.44	763.40
5/7/2004	175.14	11250.00	2737.00	17446.00	80.82	763.70
5/6/2004	185.30	11250.00	2769.00	17423.00	80.54	741.50
4/26/2004	194.44	11000.00	3203.00	17801.00	69.15	772.50
4/23/2004	194.20	11400.00	3260.00	17689.00	69.14	789.10
4/22/2004	194.25	11400.00	3268.00	18001.00	67.60	834.90
4/21/2004	194.79	11400.00	3352.00	18376.00	69.49	837.50
4/20/2004	193.64	11100.00	3337.00	18126.00	68.22	835.70
4/19/2004	189.09	11100.00	3293.00	17900.00	68.38	847.40
4/16/2004	187.90	11100.00	3224.00	17976.00	67.84	846.00
4/15/2004	190.87	11100.00	3303.00	17845.00	67.28	836.40
4/14/2004	189.90	11000.00	3270.00	18931.00	68.20	831.50

4/13/2004	193.29	11000.00	3428.00	19142.00	67.76	838.10
4/9/2004	194.74	10900.00	3398.00	19126.00	67.29	835.10
4/8/2004	195.64	10900.00	3396.00	19300.00	67.14	854.30
4/7/2004	193.60	11400.00	3388.00	19225.00	66.10	850.20
4/6/2004	195.14	11400.00	3344.00	19100.00	65.60	853.60
4/5/2004	196.25	11500.00	3329.00	19355.00	65.49	848.70
4/2/2004	195.50	11500.00	3246.00	18930.00	64.25	842.00
4/1/2004	194.25	11500.00	3224.00	19026.00	64.05	845.70
3/31/2004	190.77	11500.00	3201.00	19101.00	64.10	837.00
3/30/2004	191.64	11500.00	3249.00	18962.00	64.39	830.20
3/29/2004	191.87	11100.00	3203.00	18348.00	63.32	823.80
3/26/2004	189.54	11100.00	3159.00	19650.00	64.42	823.50
3/25/2004	189.34	11100.00	3175.00	20176.00	63.87	812.70
3/24/2004	188.54	11200.00	3101.00	20158.00	63.07	813.50
3/23/2004	189.04	11299.00	3050.00	20625.00	62.20	817.50
3/22/2004	187.54	11299.00	3031.00	20680.00	61.32	813.20
3/19/2004	188.45	11339.00	3069.00	20475.00	62.99	804.20
3/18/2004	184.94	11339.00	3068.00	20115.00	63.04	797.80
3/16/2004	187.55	11339.00	2887.00	19411.00	63.39	805.20
3/15/2004	189.09	11339.00	2896.00	19470.00	63.95	802.30
3/12/2004	188.94	11339.00	2921.00	19860.00	64.59	786.00
3/11/2004	187.75	11339.00	2894.00	20450.00	65.55	789.70
3/10/2004	190.24	11339.00	2993.00	20411.00	66.94	793.60
3/9/2004	190.59	11339.00	3092.00	20405.00	67.29	790.70
3/8/2004	192.47	11339.00	3089.00	20300.00	67.29	801.70
3/5/2004	183.04	11100.00	2988.00	19631.00	66.10	809.60
3/4/2004	175.34	11000.00	2987.00	18915.00	65.44	811.10
3/3/2004	177.40	11339.00	2968.00	18145.00	66.89	792.00
3/2/2004	178.45	11100.00	3008.00	17861.00	66.89	784.40
3/1/2004	179.07	11100.00	3005.00	17951.00	67.94	776.40
2/27/2004	178.89	11977.00	2921.00	17905.00	65.64	775.50
2/26/2004	178.39	11977.00	2875.00	17626.00	65.25	776.60
2/25/2004	178.49	11977.00	2831.00	17801.00	64.74	774.30
2/24/2004	173.95	11988.00	2785.00	17141.00	62.74	760.20
2/23/2004	174.54	11988.00	2791.00	17271.00	64.00	758.00
1/12/2004	147.34	8400.00	2419.00	15670.00	72.25	746.70
12/19/2003	139.24	8640.00	2350.00	15125.00	64.61	751.60
12/18/2003	138.74	8640.00	2384.00	15018.00	64.00	663.20
12/17/2003	134.00	8500.00	2330.00	14530.00	63.29	641.20
12/16/2003	133.90	8510.00	2368.00	14611.00	63.02	633.70
12/15/2003	136.06	8510.00	2385.00	14448.00	63.64	620.60
12/12/2003	133.82	8550.00	2374.00	14500.00	62.57	624.80
12/11/2003	131.30	8974.00	2341.00	14525.00	61.75	629.40
12/10/2003	130.54	8310.00	2323.00	14540.00	61.62	624.50
12/9/2003	131.90	8310.00	2326.00	14576.00	62.25	616.30
12/8/2003	130.34	8310.00	2276.00	14481.00	62.40	613.07
12/5/2003	132.50	8310.00	2225.00	14404.00	62.09	618.10
12/4/2003	134.10	8310.00	2256.00	14275.00	61.95	613.20
12/3/2003	134.25	8310.00	2309.00	14551.00	62.89	613.80
12/2/2003	133.59	8310.00	2287.00	14446.00	63.04	614.40
12/1/2003	136.59	8310.00	2340.00	14551.00	63.74	621.50
11/28/2003	135.49	8300.00	2291.00	14351.00	63.07	615.10
11/27/2003	137.00	8300.00	2320.00	14426.00	62.92	627.00
11/26/2003	137.09	8200.00	2353.00	14363.00	62.10	624.00
11/25/2003	136.59	8200.00	2316.00	14285.00	61.75	625.80
11/24/2003	134.89	8200.00	2297.00	14264.00	62.00	624.40

11/21/2003	135.75	8200.00	2284.00	14166.00	59.74	624.00
11/20/2003	135.44	7800.00	2260.00	14148.00	56.99	626.20
11/19/2003	137.32	7800.00	2340.00	14091.00	56.99	623.90
11/18/2003	138.15	7800.00	2377.00	14171.00	56.25	619.30
11/14/2003	140.69	7800.00	2399.00	14221.00	58.74	627.70
11/13/2003	139.24	7800.00	2363.00	14001.00	59.09	632.80
11/12/2003	138.69	7800.00	2347.00	14011.00	59.29	640.50
11/11/2003	140.10	7800.00	2322.00	14290.00	59.14	633.90
11/10/2003	145.24	7800.00	2418.00	14583.00	61.69	630.00
11/7/2003	143.40	7800.00	2447.00	14378.00	60.69	629.90
11/6/2003	144.49	7502.00	2442.00	14450.00	61.75	642.80
11/5/2003	143.80	7502.00	2439.00	14525.00	60.50	642.50
11/4/2003	143.58	7502.00	2455.00	14565.00	60.74	642.10
11/3/2003	143.92	7600.00	2495.00	14522.00	62.64	644.00
10/31/2003	141.17	7600.00	2461.00	14315.00	62.87	643.80
10/30/2003	140.45	7600.00	2377.00	14416.00	62.94	644.90
10/29/2003	136.64	7600.00	2353.00	14280.00	63.24	636.70
10/27/2003	136.74	7600.00	2398.00	14070.00	63.29	633.20
10/24/2003	139.54	7450.00	2479.00	14285.00	63.54	625.10
10/23/2003	138.10	7600.00	2452.00	14288.00	63.90	624.80
10/22/2003	139.87	7900.00	2480.00	14275.00	63.67	633.40
10/21/2003	145.75	7900.00	2589.00	14492.00	65.04	628.60
10/20/2003	145.39	7350.00	2575.00	14476.00	64.57	631.60
10/17/2003	146.20	7350.00	2577.00	14730.00	64.96	649.40
10/16/2003	144.79	7350.00	2556.00	14178.00	64.94	649.40
10/15/2003	144.29	7350.00	2527.00	14133.00	64.54	651.70
8/1/2003	123.43	7200.00	2165.00	13603.00	59.59	644.50
7/31/2003	120.99	7000.00	2121.00	13621.00	59.65	642.50
7/30/2003	119.44	7000.00	2076.00	13465.00	59.05	574.00
7/29/2003	118.40	7000.00	2025.00	13386.00	58.99	571.40
7/28/2003	117.59	7000.00	1990.00	13275.00	58.54	568.00
7/25/2003	114.34	7100.00	1973.00	13214.00	58.12	565.70
7/24/2003	116.05	7000.00	1959.00	13445.00	58.84	561.40
7/23/2003	116.64	7000.00	1982.00	13429.00	59.65	565.50
7/22/2003	119.04	7150.00	2041.00	13726.00	59.41	564.90
7/21/2003	118.82	7000.00	2042.00	13826.00	59.60	566.60
7/18/2003	116.05	7000.00	2012.00	13959.00	59.92	575.10
7/17/2003	114.79	7000.00	2037.00	13934.00	59.24	522.80
7/16/2003	114.15	7000.00	2087.00	14038.00	59.19	574.40
7/15/2003	112.49	7000.00	2081.00	13951.00	57.75	575.30
7/14/2003	113.80	7150.00	2075.00	14085.00	58.05	583.90
7/11/2003	111.09	7150.00	2034.00	13963.00	57.29	588.50
7/10/2003	109.90	6900.00	2020.00	13801.00	57.04	603.50
7/9/2003	109.54	7050.00	2008.00	13858.00	56.87	612.30
7/8/2003	109.12	7050.00	2049.00	13875.00	56.99	611.60
7/7/2003	108.84	7050.00	2036.00	14123.00	56.39	605.10
7/4/2003	107.12	7050.00	2009.00	13802.00	55.09	614.00
7/3/2003	106.60	6700.00	2019.00	13726.00	54.29	618.50
7/2/2003	107.09	6700.00	2012.00	13710.00	53.65	568.90
7/1/2003	105.19	7000.00	1998.00	13745.00	53.25	562.30
6/30/2003	105.64	6600.00	1985.00	13483.00	51.34	553.80
6/27/2003	108.74	6600.00	1954.00	13105.00	51.46	551.70
6/26/2003	109.04	7000.00	1942.00	13125.00	50.84	546.90
6/25/2003	108.50	7000.00	1870.00	12700.00	53.44	550.00
6/24/2003	108.35	7000.00	1854.00	12396.00	53.80	552.10
6/23/2003	109.55	7000.00	1886.00	12541.00	54.99	558.20

6/20/2003	108.50	6999.00	1899.00	12560.00	53.75	559.30
6/19/2003	107.29	6999.00	1890.00	12476.00	53.05	555.50
6/18/2003	107.04	7000.00	1837.00	12325.00	50.69	555.40
6/17/2003	110.54	7050.00	1921.00	12921.00	53.54	558.00
6/16/2003	110.35	7450.00	1915.00	12875.00	54.89	556.10
6/12/2003	113.67	7500.00	1978.00	13060.00	57.88	560.40
6/11/2003	111.89	7200.00	1995.00	13017.00	55.80	550.30
6/10/2003	112.15	7000.00	1999.00	13346.00	53.69	543.40
6/9/2003	113.59	7000.00	2052.00	13566.00	52.20	542.70
6/6/2003	117.49	7000.00	2055.00	13826.00	52.34	545.50
6/5/2003	114.66	7000.00	2057.00	13526.00	52.03	545.20
6/4/2003	116.87	7000.00	2053.00	13177.00	52.72	540.60
6/3/2003	116.49	7000.00	2076.00	13105.00	52.44	536.80
6/2/2003	114.92	7000.00	2072.00	12816.00	51.59	538.80
5/30/2003	113.34	6777.00	2075.00	12421.00	50.20	537.20
5/29/2003	112.47	6600.00	2096.00	12338.00	50.20	535.10
5/28/2003	111.24	6600.00	2082.00	11895.00	50.19	535.50
5/27/2003	110.25	6600.00	2094.00	12085.00	49.02	535.10
5/26/2003	109.04	6500.00	2112.00	12215.00	49.49	532.40
5/23/2003	109.34	6500.00	2088.00	12060.00	50.00	545.50
5/21/2003	109.74	6700.00	2080.00	11513.00	50.20	550.10
5/16/2003	109.64	5700.00	2080.00	11385.00	49.50	544.40
5/15/2003	108.80	5700.00	2093.00	11470.00	50.10	542.00
5/14/2003	108.25	5700.00	2080.00	11465.00	49.97	533.00
5/13/2003	108.64	5700.00	2047.00	11801.00	49.64	552.60
5/12/2003	108.79	5700.00	2042.00	11781.00	49.65	555.30
5/9/2003	109.75	5700.00	2019.00	11370.00	49.85	571.50
5/7/2003	110.85	5700.00	2040.00	11310.00	49.50	571.00
5/6/2003	111.54	5700.00	2094.00	11335.00	49.44	573.30
5/5/2003	109.29	5700.00	2047.00	11366.00	50.25	575.50
5/2/2003	107.35	5700.00	1998.00	11255.00	48.80	581.30
4/30/2003	104.99	5700.00	1961.00	11125.00	47.35	569.80
4/29/2003	105.40	5700.00	1991.00	10959.00	47.54	568.40
4/28/2003	105.82	5500.00	1995.00	11283.00	46.22	568.00
4/25/2003	104.49	5200.00	1983.00	11320.00	46.37	563.20
4/24/2003	104.74	5200.00	1999.00	11315.00	46.59	555.90
4/23/2003	105.47	5001.00	2010.00	11366.00	46.49	555.70
4/22/2003	103.34	4750.00	1952.00	11308.00	45.96	552.20
4/18/2003	103.19	4750.00	1945.00	11351.00	46.06	551.10
4/17/2003	102.84	4750.00	1936.00	11381.00	45.80	552.80
4/16/2003	100.72	4750.00	1939.00	11270.00	46.12	552.40
4/15/2003	101.59	4750.00	1964.00	11115.00	46.17	551.30
4/14/2003	100.76	4750.00	1963.00	11332.00	46.12	543.70
4/11/2003	99.52	4750.00	1997.00	11464.00	45.30	546.10
4/10/2003	101.82	4750.00	1999.00	11327.00	45.82	546.30
4/9/2003	102.29	4750.00	2004.00	11341.00	45.76	540.20
4/8/2003	100.44	4750.00	2062.00	11050.00	46.20	537.00
4/7/2003	98.52	4750.00	2075.00	11200.00	46.68	536.10
4/4/2003	97.75	4750.00	2029.00	10826.00	45.75	539.60
4/3/2003	97.59	4750.00	2006.00	10661.00	45.04	542.60
4/2/2003	98.64	4750.00	1999.00	11957.00	46.07	535.10
4/1/2003	99.19	4600.00	1989.00	12060.00	45.07	527.50
3/31/2003	97.62	4600.00	1971.00	12038.00	43.49	520.70
3/28/2003	96.15	4600.00	1997.00	11885.00	43.34	522.50
3/27/2003	94.84	4600.00	2001.00	11841.00	43.34	521.30
3/26/2003	92.32	4600.00	2018.00	11828.00	43.19	514.80

3/25/2003	93.17	4600.00	1978.00	11925.00	42.89	516.20
3/24/2003	92.25	4600.00	1958.00	11875.00	42.35	516.50
3/21/2003	93.91	4605.00	1975.00	11895.00	43.59	504.70
3/20/2003	93.92	4605.00	1928.00	11606.00	42.89	505.50
3/19/2003	93.92	4605.00	1892.00	11435.00	43.39	503.50
3/18/2003	93.85	4505.00	1927.00	11915.00	42.69	499.30
3/17/2003	93.39	4505.00	1956.00	12206.00	43.17	505.20
3/14/2003	92.84	4505.00	1988.00	12065.00	43.07	506.20
3/12/2003	91.90	4505.00	1950.00	11274.00	40.79	505.70
3/11/2003	91.24	4505.00	1947.00	11203.00	38.79	504.60
3/10/2003	91.64	4505.00	1981.00	11218.00	38.74	505.90
3/7/2003	92.10	4505.00	2013.00	11255.00	38.69	507.70
3/6/2003	92.04	4505.00	2026.00	11075.00	38.74	505.90
3/5/2003	92.87	4505.00	2029.00	11025.00	39.07	497.20
3/4/2003	92.36	4505.00	2036.00	11006.00	40.05	491.50
3/3/2003	93.14	4505.00	2055.00	11055.00	39.95	500.60
2/28/2003	92.57	4505.00	2106.00	11008.00	40.15	498.50
2/27/2003	91.79	4505.00	2128.00	11060.00	40.88	492.80
2/26/2003	90.55	4501.00	2146.00	11053.00	41.19	489.80
2/25/2003	90.00	4501.00	2137.00	10865.00	40.45	488.50
2/24/2003	89.45	4501.00	2163.00	10815.00	41.52	490.20
2/21/2003	90.34	4525.00	2172.00	10980.00	41.15	487.70
2/20/2003	90.67	4525.00	2158.00	11013.00	40.59	486.00
2/19/2003	89.97	4500.00	2141.00	11075.00	40.00	485.20
2/18/2003	90.29	4505.00	2122.00	11100.00	40.25	479.90
2/17/2003	89.90	4400.00	2112.00	11103.00	39.85	477.10
2/14/2003	89.37	4400.00	2090.00	11020.00	39.24	477.70
2/13/2003	91.74	4400.00	2085.00	10956.00	38.56	478.20
2/12/2003	90.72	4450.00	2088.00	10920.00	38.20	478.40
2/11/2003	90.46	4450.00	2103.00	10880.00	38.25	463.70
2/10/2003	89.42	4500.00	2093.00	10641.00	38.25	459.60
2/7/2003	88.80	4500.00	2091.00	10771.00	38.10	463.20
2/5/2003	88.83	4580.00	2113.00	10826.00	38.64	463.80
2/4/2003	87.75	4330.00	2092.00	10808.00	38.39	463.30
2/3/2003	88.92	4330.00	2109.00	10801.00	37.97	464.00
1/31/2003	88.14	4330.00	2060.00	10465.00	37.72	466.40
1/30/2003	89.09	4330.00	2070.00	10475.00	37.79	471.70
1/29/2003	89.34	4330.00	2029.00	10586.00	37.90	472.50
1/28/2003	90.22	4330.00	2050.00	10821.00	38.37	474.60
1/27/2003	90.59	4310.00	2036.00	10799.00	38.10	478.90
1/24/2003	89.24	4310.00	2069.00	10850.00	36.89	476.80
1/23/2003	90.79	4300.00	2088.00	10850.00	36.08	480.40
1/22/2003	91.00	4200.00	2157.00	10841.00	35.22	483.40
1/21/2003	91.90	4100.00	2186.00	10880.00	35.39	482.30
1/20/2003	91.85	4100.00	2220.00	10830.00	35.39	479.90
1/17/2003	91.44	4100.00	2260.00	10776.00	34.69	479.80
1/16/2003	92.15	4100.00	2302.00	10940.00	34.71	479.20
1/15/2003	92.70	4100.00	2248.00	10996.00	34.79	476.80
1/14/2003	92.61	4100.00	2213.00	11080.00	34.79	478.20
1/13/2003	91.19	4100.00	2188.00	11093.00	33.87	475.90
1/10/2003	89.80	4100.00	2164.00	11100.00	34.79	477.90
1/9/2003	90.29	4100.00	2165.00	11226.00	34.74	476.30
1/8/2003	90.25	4100.00	2153.00	11211.00	34.62	476.60
1/7/2003	91.95	4100.00	2182.00	11201.00	34.77	471.60
1/6/2003	91.24	4100.00	2196.00	11206.00	34.99	475.40
1/3/2003	91.39	4100.00	2163.00	11478.00	34.84	470.90

1/2/2003	92.37	4100.00	2118.00	11432.00	34.96	472.90
12/30/2002	92.47	4100.00	2078.00	11151.00	34.59	465.30
12/27/2002	91.90	4100.00	2007.00	11131.00	33.63	468.80
12/23/2002	90.84	4100.00	1984.00	11120.00	33.59	465.60
12/20/2002	90.54	4100.00	1939.00	11068.00	32.95	469.50
12/19/2002	91.62	4100.00	1926.00	10951.00	34.50	467.70
12/18/2002	89.20	4100.00	1900.00	10465.00	33.80	469.90
12/17/2002	90.50	4100.00	1955.00	10280.00	34.79	468.40
12/16/2002	94.22	4150.00	2004.00	10756.00	34.84	469.00
12/13/2002	93.80	4150.00	2043.00	10791.00	34.84	473.80
12/12/2002	91.67	4200.00	2099.00	10975.00	34.76	473.30
12/11/2002	92.91	4100.00	2103.00	11055.00	34.84	474.90
12/10/2002	91.54	4100.00	2110.00	11113.00	34.84	483.40
12/9/2002	89.65	4100.00	2057.00	11011.00	34.74	483.10
12/6/2002	88.65	4100.00	1970.00	10970.00	34.54	476.60
12/5/2002	90.54	4100.00	2010.00	11201.00	35.33	471.30
12/4/2002	86.85	4100.00	1990.00	11130.00	34.79	465.10
12/3/2002	88.44	4100.00	2066.00	11300.00	34.74	463.30
12/2/2002	90.64	4100.00	2161.00	11290.00	35.39	464.20
11/29/2002	91.80	4100.00	2122.00	11206.00	36.07	469.60
11/28/2002	92.27	4080.00	2138.00	11151.00	36.12	468.90
11/27/2002	93.41	4080.00	2141.00	11242.00	35.75	467.90
11/26/2002	93.24	4080.00	2075.00	11173.00	35.60	465.00
11/25/2002	94.05	4080.00	2065.00	11308.00	36.54	460.70
11/22/2002	95.08	4080.00	2054.00	11638.00	35.44	453.20
11/21/2002	94.30	4200.00	2059.00	11726.00	35.29	452.90
11/20/2002	93.75	4200.00	2038.00	11552.00	33.90	452.50
11/19/2002	92.87	4200.00	2005.00	11550.00	33.69	453.40
11/18/2002	93.34	4200.00	2093.00	11411.00	33.54	449.30
11/15/2002	93.49	4200.00	2079.00	11351.00	33.44	452.60
11/14/2002	94.76	4200.00	2061.00	11371.00	33.59	464.10
11/13/2002	94.15	4200.00	1976.00	11201.00	33.87	465.20
11/12/2002	93.49	4100.00	1946.00	11480.00	33.87	465.70
11/11/2002	93.74	4100.00	1924.00	11625.00	33.80	464.90
11/8/2002	92.77	4100.00	1916.00	11695.00	33.85	462.60
11/7/2002	89.55	4100.00	1931.00	11475.00	33.95	459.50
11/6/2002	89.90	4100.00	1890.00	11100.00	34.69	451.20
11/5/2002	89.29	4210.00	1890.00	11156.00	34.46	459.10
11/4/2002	88.05	4210.00	1901.00	11475.00	33.79	449.80
11/1/2002	86.95	4210.00	1946.00	11116.00	32.94	455.30
10/31/2002	87.09	4210.00	1967.00	11255.00	32.64	466.80
10/30/2002	86.39	4210.00	1893.00	11046.00	32.71	464.20
10/29/2002	88.25	4210.00	1852.00	11001.00	32.87	463.90
10/25/2002	86.97	4210.00	1820.00	10865.00	33.61	465.60
10/24/2002	90.10	4210.00	1854.00	10895.00	33.89	454.90
10/23/2002	90.99	4210.00	1835.00	11176.00	33.85	460.30
10/22/2002	92.64	4200.00	1782.00	11280.00	34.69	458.70
10/21/2002	91.69	4200.00	1734.00	11201.00	34.07	454.60
10/18/2002	90.69	4200.00	1689.00	11141.00	34.24	448.40
10/17/2002	90.34	4200.00	1724.00	11211.00	34.64	444.30
10/16/2002	89.44	4200.00	1696.00	11552.00	34.79	448.80
10/15/2002	90.74	4200.00	1689.00	11573.00	34.59	449.90
10/14/2002	89.24	4200.00	1620.00	11345.00	33.64	447.00
10/11/2002	90.74	4200.00	1626.00	11250.00	33.74	440.20
10/10/2002	89.95	4300.00	1602.00	11161.00	32.75	440.40
10/9/2002	88.75	4300.00	1586.00	11120.00	33.74	439.10

10/8/2002	90.60	4300.00	1624.00	11145.00	34.39	438.20
10/7/2002	91.74	4300.00	1641.00	11520.00	34.94	438.10
10/4/2002	93.27	4300.00	1663.00	11735.00	34.80	434.90
10/3/2002	93.29	4300.00	1677.00	12016.00	35.04	435.40
10/2/2002	94.69	4300.00	1726.00	12655.00	35.68	435.70
10/1/2002	94.69	4300.00	1722.00	12766.00	36.50	434.90
9/30/2002	93.85	4300.00	1737.00	12655.00	36.55	430.70
9/27/2002	94.25	4300.00	1806.00	12310.00	35.00	423.60
9/16/2002	94.48	4300.00	1691.00	11900.00	31.77	429.60
9/13/2002	93.85	4300.00	1641.00	11900.00	31.69	427.60
9/12/2002	94.35	4100.00	1652.00	11948.00	32.10	431.70
9/11/2002	96.74	4100.00	1697.00	11983.00	33.31	432.80
9/10/2002	95.33	4100.00	1699.00	11945.00	32.71	434.60
9/9/2002	93.39	4300.00	1684.00	11700.00	32.61	434.70
9/6/2002	94.50	4100.00	1688.00	11711.00	32.50	430.10
9/5/2002	92.59	4100.00	1638.00	11511.00	30.56	429.50
9/4/2002	92.30	4100.00	1619.00	11206.00	30.77	421.70
9/3/2002	91.89	4100.00	1586.00	10961.00	30.64	423.30
9/2/2002	92.69	4100.00	1614.00	11300.00	30.19	413.80
8/30/2002	94.89	4100.00	1662.00	11439.00	32.24	420.20
8/29/2002	95.55	4100.00	1665.00	11346.00	31.60	410.60
8/28/2002	96.20	4100.00	1676.00	11246.00	31.25	406.90
8/27/2002	97.63	4100.00	1737.00	11485.00	34.20	409.70
8/26/2002	96.99	4100.00	1735.00	11551.00	33.95	412.10
8/23/2002	97.64	4100.00	1721.00	11606.00	35.19	421.20
8/22/2002	97.25	4100.00	1734.00	11640.00	36.49	430.90
8/21/2002	98.84	4100.00	1734.00	11950.00	35.86	440.90
8/20/2002	97.30	4100.00	1712.00	11464.00	35.75	441.20
8/19/2002	97.34	4100.00	1772.00	11530.00	36.25	442.00
8/16/2002	96.10	4300.00	1733.00	10850.00	34.35	450.30
8/12/2002	94.94	4300.00	1776.00	10796.00	33.14	452.50
8/9/2002	93.95	4400.00	1742.00	10721.00	32.20	447.90
8/8/2002	93.85	4400.00	1721.00	10821.00	33.60	439.80
8/7/2002	93.04	4400.00	1675.00	10975.00	35.32	443.20
8/6/2002	91.49	4400.00	1655.00	10616.00	34.84	447.60
8/5/2002	90.67	4400.00	1649.00	10864.00	35.42	442.40
8/2/2002	95.24	4400.00	1694.00	11257.00	36.50	445.60
8/1/2002	95.67	4400.00	1691.00	11060.00	35.20	453.70
7/31/2002	95.25	4400.00	1641.00	11260.00	36.30	448.90
7/30/2002	93.75	4400.00	1504.00	11461.00	34.85	446.00
7/29/2002	89.21	4350.00	1501.00	11034.00	34.33	447.50
7/26/2002	87.90	4350.00	1508.00	10645.00	33.40	437.60
7/25/2002	88.30	4350.00	1520.00	10085.00	33.14	439.70
7/24/2002	86.70	4501.00	1444.00	9675.00	33.30	435.20
7/23/2002	88.10	4200.00	1572.00	9725.00	34.93	443.80
7/22/2002	85.79	4200.00	1569.00	9546.00	35.90	451.40
7/19/2002	86.00	4200.00	1616.00	9641.00	36.38	453.00
7/18/2002	88.10	4200.00	1638.00	9660.00	37.57	454.30
7/17/2002	87.55	4200.00	1619.00	9700.00	39.48	465.30
7/16/2002	83.72	4200.00	1573.00	9320.00	38.94	462.50
7/15/2002	84.54	4200.00	1567.00	9278.00	39.23	459.20
7/12/2002	87.55	4200.00	1571.00	9196.00	38.25	457.20
7/11/2002	87.81	4200.00	1555.00	9001.00	37.74	459.40
7/10/2002	90.87	4200.00	1611.00	9251.00	38.55	453.80
7/9/2002	91.45	4200.00	1633.00	9075.00	38.86	461.60
7/8/2002	86.59	4200.00	1587.00	8830.00	36.20	453.40

7/4/2002	84.94	4200.00	1513.00	8636.00	36.07	455.90
7/3/2002	84.30	4200.00	1500.00	7833.00	37.39	451.70
7/2/2002	80.49	4200.00	1453.00	8115.00	38.43	450.70
7/1/2002	84.64	4302.00	1535.00	8668.00	40.49	445.70
6/28/2002	87.00	4302.00	1508.00	9225.00	40.20	440.10
6/27/2002	89.09	4302.00	1523.00	9491.00	39.64	438.20
6/26/2002	87.09	4302.00	1509.00	9165.00	39.12	448.50
6/25/2002	89.59	4302.00	1546.00	9386.00	40.05	452.10
6/24/2002	90.54	4302.00	1542.00	9475.00	40.50	450.30
6/21/2002	92.40	4302.00	1577.00	9818.00	41.27	433.80
6/20/2002	92.85	4302.00	1574.00	9875.00	41.65	426.70
6/19/2002	93.79	4302.00	1616.00	10143.00	41.80	420.40
6/18/2002	94.20	4302.00	1671.00	10500.00	41.70	418.40
6/17/2002	93.47	4302.00	1697.00	10475.00	41.42	406.60
6/14/2002	89.25	4371.00	1692.00	10490.00	41.60	420.30
6/13/2002	94.64	4371.00	1715.00	10606.00	41.80	412.90
6/12/2002	93.75	4371.00	1712.00	10628.00	41.57	421.10
6/11/2002	94.99	4601.00	1706.00	10601.00	42.25	430.50
6/10/2002	90.24	4601.00	1708.00	10663.00	42.24	428.50
6/7/2002	89.24	4550.00	1713.00	10225.00	42.10	415.80
6/6/2002	87.90	4550.00	1734.00	10260.00	42.30	415.80
6/5/2002	88.69	4482.00	1756.00	10537.00	42.50	424.80
6/4/2002	89.47	4482.00	1751.00	10341.00	42.94	421.00
6/3/2002	90.84	4482.00	1770.00	10120.00	41.27	434.00
5/31/2002	88.04	4482.00	1694.00	10138.00	41.39	435.30
5/30/2002	91.19	4480.00	1772.00	10120.00	40.36	423.20
5/29/2002	94.44	4440.00	1834.00	10171.00	40.54	407.80
5/28/2002	94.29	4440.00	1848.00	9858.00	40.09	400.00
5/27/2002	95.09	4500.00	1864.00	9698.00	40.74	391.20
5/24/2002	92.44	4200.00	1865.00	9359.00	40.25	407.70
5/23/2002	92.54	4200.00	1896.00	9274.00	38.62	412.60
5/22/2002	90.00	4200.00	1871.00	9076.00	38.25	421.90
5/21/2002	88.74	4200.00	1859.00	9053.00	37.24	414.80
5/20/2002	92.37	4000.00	1873.00	9227.00	35.10	426.90
5/17/2002	96.74	4000.00	1901.00	9226.00	34.69	431.50
5/16/2002	97.05	4300.00	1897.00	9120.00	31.80	441.90
5/15/2002	95.26	4300.00	1887.00	8956.00	31.75	444.00
5/14/2002	96.60	4300.00	1901.00	9145.00	32.25	447.60
5/13/2002	98.29	4300.00	1919.00	9270.00	32.60	453.50
5/10/2002	98.64	4300.00	1920.00	9169.00	33.87	454.70
5/9/2002	99.09	4300.00	1857.00	8963.00	31.49	447.80
5/7/2002	93.44	4300.00	1833.00	8596.00	30.92	462.90
5/6/2002	92.52	4300.00	1833.00	8455.00	30.00	459.20
5/3/2002	90.24	4300.00	1818.00	8340.00	29.80	461.10
5/2/2002	85.16	4300.00	1808.00	8335.00	29.45	455.90
4/30/2002	82.27	4158.00	1760.00	8285.00	29.14	453.90
4/29/2002	81.19	4158.00	1797.00	8361.00	30.89	457.00
4/26/2002	81.34	4158.00	1818.00	8268.00	31.37	460.00
4/25/2002	80.72	3850.00	1734.00	7996.00	31.44	459.90
4/24/2002	80.57	3850.00	1708.00	7900.00	31.14	467.90
4/23/2002	81.37	3850.00	1713.00	7883.00	32.50	451.40
4/22/2002	80.99	3850.00	1672.00	7706.00	29.50	456.50
4/19/2002	81.07	3850.00	1663.00	7678.00	29.59	465.20
4/18/2002	80.74	3850.00	1726.00	7573.00	29.72	466.80
4/17/2002	81.89	3800.00	1803.00	7848.00	30.24	470.70
4/16/2002	81.32	3800.00	1789.00	7951.00	29.90	464.10

4/15/2002	81.14	3675.00	1829.00	7573.00	29.34	467.50
4/12/2002	80.89	3500.00	1744.00	7576.00	29.19	464.90
4/11/2002	80.90	3500.00	1722.00	7575.00	29.15	465.70
4/10/2002	83.80	3500.00	1758.00	7588.00	28.30	467.40
4/9/2002	84.34	3500.00	1742.00	7576.00	29.50	473.30
4/5/2002	80.49	3500.00	1637.00	7555.00	28.60	472.30
4/4/2002	80.19	3500.00	1589.00	7431.00	28.25	468.00
4/3/2002	78.79	3500.00	1575.00	7475.00	28.36	470.20
4/2/2002	77.19	3500.00	1577.00	7326.00	28.44	476.30
3/29/2002	76.59	3500.00	1584.00	8250.00	29.76	479.40
3/28/2002	76.60	3500.00	1551.00	8249.00	30.17	473.50
3/27/2002	74.52	3500.00	1502.00	8285.00	30.74	465.10
3/26/2002	74.42	3500.00	1516.00	8310.00	30.84	461.50
3/25/2002	74.59	3500.00	1518.00	8470.00	31.02	461.60
3/22/2002	73.84	3500.00	1549.00	8456.00	30.86	459.20
3/21/2002	74.15	3500.00	1429.00	8456.00	31.24	448.60
3/20/2002	74.00	3500.00	1435.00	8410.00	31.04	450.20
3/19/2002	73.90	3500.00	1418.00	8425.00	30.17	458.10
3/18/2002	76.75	3500.00	1433.00	8463.00	30.84	450.60
3/15/2002	75.75	3500.00	1430.00	8440.00	30.53	445.30
3/14/2002	76.70	3600.00	1424.00	8411.00	31.72	444.20
3/13/2002	79.80	3600.00	1415.00	8320.00	30.44	441.90
3/12/2002	78.88	3600.00	1421.00	8298.00	29.85	443.10
3/11/2002	81.85	3600.00	1437.00	8341.00	30.30	445.30
3/8/2002	80.84	3899.00	1450.00	8330.00	31.04	451.80
3/7/2002	79.40	3899.00	1429.00	8216.00	29.60	449.00
3/6/2002	78.15	3899.00	1381.00	8046.00	29.29	447.10
3/5/2002	76.59	3899.00	1400.00	8025.00	30.10	440.20
3/4/2002	74.37	3899.00	1398.00	8020.00	30.00	440.70
3/1/2002	72.84	3850.00	1382.00	7996.00	30.04	448.50
2/28/2002	73.59	3850.00	1302.00	7982.00	30.25	448.40
2/27/2002	73.59	3600.00	1284.00	8055.00	31.35	433.90
2/26/2002	72.69	3600.00	1286.00	8071.00	33.20	428.20
2/25/2002	71.76	3600.00	1251.00	8065.00	33.75	427.20
2/22/2002	70.64	3600.00	1246.00	8048.00	32.62	425.00
2/20/2002	73.98	3600.00	1307.00	8126.00	33.09	428.70
2/19/2002	72.61	3600.00	1249.00	8140.00	32.29	431.60
2/18/2002	72.04	3600.00	1235.00	8141.00	30.42	426.50
2/15/2002	71.39	3600.00	1246.00	8126.00	30.35	422.90
2/14/2002	76.27	3600.00	1262.00	8144.00	31.87	426.70
2/13/2002	79.38	3600.00	1230.00	8145.00	32.60	429.40
2/12/2002	78.44	3600.00	1220.00	8148.00	34.34	415.90
2/11/2002	78.50	3669.00	1197.00	8145.00	37.55	418.40
2/8/2002	79.89	3669.00	1201.00	8133.00	37.90	420.90
2/7/2002	77.65	3669.00	1199.00	8108.00	37.95	432.30
2/6/2002	79.09	3669.00	1209.00	8080.00	38.74	434.70
2/5/2002	81.14	3862.00	1204.00	8140.00	40.40	439.40
2/4/2002	81.04	3504.00	1229.00	8136.00	40.30	440.00
2/1/2002	81.10	3091.00	1254.00	8151.00	40.84	434.60
1/31/2002	82.25	3091.00	1271.00	8205.00	41.04	437.60
1/30/2002	79.56	2944.00	1236.00	8085.00	39.70	439.90
1/29/2002	79.25	2944.00	1274.00	8085.00	40.44	436.30
1/28/2002	79.27	3200.00	1293.00	7920.00	40.39	424.90
1/25/2002	78.90	3200.00	1289.00	7884.00	40.64	423.40
1/24/2002	79.04	3200.00	1299.00	7776.00	40.54	423.70
1/23/2002	78.54	3200.00	1253.00	7703.00	41.29	419.90

1/22/2002	76.82	3200.00	1246.00	7752.00	42.10	416.10
1/21/2002	75.59	3200.00	1194.00	7753.00	41.75	417.70
1/18/2002	75.25	3200.00	1182.00	7765.00	42.64	415.30
1/17/2002	77.14	3200.00	1174.00	7776.00	42.54	413.90
1/16/2002	77.19	3200.00	1141.00	7760.00	41.75	405.70
1/15/2002	78.74	3200.00	1131.00	7723.00	41.78	416.10
1/14/2002	80.65	2975.00	1140.00	7806.00	41.75	404.70
1/11/2002	82.84	2975.00	1160.00	7774.00	42.35	399.80
1/10/2002	80.29	2975.00	1134.00	7740.00	40.35	397.60
1/9/2002	77.80	2975.00	1119.00	7730.00	40.93	407.70
1/8/2002	75.10	2975.00	1084.00	7723.00	37.85	408.10
1/7/2002	76.45	2975.00	1093.00	7745.00	39.52	409.10

skutečná míra inflace v%

	1	2	3	4	5	6	7
2002	3.7	3.9	3.7	3.2	2.5	1.2	0.6
2003	-0.4	-0.4	-0.4	-0.1	0	0.3	-0.1
2004	2.3	2.3	2.5	2.3	2.7	2.9	3.2

očekávaná míra inflace v%

100

2002	4.2	4	4.1	4.6	5	5.5	5.9
2003	3.5	2.8	2.5	2.5	2.4	2.2	1.1
2004	3.4	3.7	3.8	3.4	3.7	4.1	3.9

Úloha:

1. Vypočítat čtvrtletní výnosnost a riziko portfolia, je-li zakázán, nebo povolen prodej NRi

sk.inf.

2002	0.037667	0.023	0.006667	0.005667	
2003	-0.004	0.000667	-0.00067	0.008	
2004	0.023667	0.026333	0.032	0.030667	0.028167

oček.inf.

2002	0.041	0.050333	0.053667	0.042333	
2003	0.029333	0.023667	0.012333	0.019333	
2004	0.036333	0.037333	0.040333	0.042333	0.039083

	ČEZ	ČP	KB	PM	Unipetrol	PX
2004-1	0.1730691	0.3333333333	0.146755	0.087428	0.111972	0.003348
2	0.1600583	-0.004484305	-0.03472	-0.00338	-0.02786	0.048615
3	0.4039956	0.113063063	0.13633	-0.0265	0.113665	0.13194
4	0.2299639	0.186046512	0.079868	0.133437	0.113758	0.14603
průměr	0.2417717	0.156989651	0.082058	0.047746	0.077883	0.082483
var(i)	0.0126177	0.019981593	0.006925	0.005681	0.004971	0.004631
sigma(iM)	0.0038693	-0.00220303	0.000345	9.11E-05	0.001233	0.003473
beta i	0.8354753	-0.475692668	0.074511	0.019668	0.266303	0.75

Rf **2,58% p.a.**

0.0063885 ef.úrok.sazba **0.025554** čtvrtletí

0.00645 prosté dělení **0.0258** čtvrtletí

Ri - Rf	0.2353217	0.150539651	0.075608	0.041296	0.071433	0.076033
(Ri - Rf)/Bi	0.2816621	-0.316464097	1.014711	2.099669	0.268239	
sigma^2Ei	0.009385	0.018933628	0.006899	0.00568	0.004642	



rf p.a. %
2.58

výnosnost
čtvrtletní 0.645

8	9	10	11	12
0.6	0.8	0.6	0.5	0.6
-0.1	0	0.4	1	1
3.4	3	3.5	2.9	2.8

5.5	4.7	4.4	4.2	4.1
1.4	1.2	1.4	1.9	2.5
4.1	4.1	4.4	4.3	4

aj nakrátko