

Daily Price Artificiality	
Trade Date	Daily Artificiality
1/3/00	0.000
1/4/00	0.001
1/5/00	(0.008)
1/6/00	(0.004)
1/7/00	(0.005)
1/10/00	0.004
1/11/00	0.000
1/12/00	0.001
1/13/00	0.001
1/14/00	0.001
1/18/00	0.001
1/19/00	0.001
1/20/00	0.001
1/21/00	0.001
1/24/00	0.001
1/25/00	0.001
1/26/00	0.001
1/27/00	0.001
1/28/00	0.000
1/31/00	0.000
2/1/00	0.000
2/2/00	0.003
2/3/00	0.005
2/4/00	0.003
2/7/00	(0.002)
2/8/00	(0.002)
2/9/00	0.000
2/10/00	0.001
2/11/00	0.001
2/14/00	0.001
2/15/00	0.000
2/16/00	0.000
2/17/00	0.000
2/18/00	0.000
2/22/00	0.000
2/23/00	0.000
2/24/00	0.000
2/25/00	0.000
2/28/00	0.000
2/29/00	0.000
3/1/00	0.000
3/2/00	0.001
3/3/00	0.001
3/6/00	0.002
3/7/00	0.001
3/8/00	0.000
3/9/00	0.000
3/10/00	0.001
3/13/00	0.000

3/14/00	0.000
3/15/00	0.000
3/16/00	0.000
3/17/00	0.000
3/20/00	0.000
3/21/00	0.000
3/22/00	0.000
3/23/00	0.000
3/24/00	0.000
3/27/00	0.000
3/28/00	0.000
3/29/00	0.000
3/30/00	0.000
3/31/00	0.000
4/3/00	0.000
4/4/00	0.010
4/5/00	0.010
4/6/00	0.005
4/7/00	(0.015)
4/10/00	0.004
4/11/00	(0.003)
4/12/00	(0.003)
4/13/00	0.000
4/14/00	0.003
4/17/00	0.002
4/18/00	0.001
4/19/00	0.000
4/20/00	0.000
4/24/00	0.000
4/25/00	0.000
4/26/00	0.000
4/27/00	0.000
4/28/00	0.000
5/1/00	0.000
5/2/00	0.000
5/3/00	(0.010)
5/4/00	(0.022)
5/5/00	(0.027)
5/8/00	0.010
5/9/00	(0.005)
5/10/00	(0.006)
5/11/00	(0.001)
5/12/00	0.004
5/15/00	0.004
5/16/00	0.002
5/17/00	0.001
5/18/00	0.000
5/19/00	0.000
5/22/00	0.000
5/23/00	0.000
5/24/00	0.000
5/25/00	0.000

5/26/00	0.000
5/29/00	0.000
5/30/00	0.000
5/31/00	0.000
6/1/00	0.000
6/2/00	(0.001)
6/5/00	0.000
6/6/00	(0.089)
6/7/00	(0.049)
6/8/00	0.005
6/9/00	(0.009)
6/12/00	(0.014)
6/13/00	(0.007)
6/14/00	(0.001)
6/15/00	0.000
6/16/00	(0.001)
6/19/00	(0.002)
6/20/00	(0.001)
6/21/00	(0.001)
6/22/00	(0.001)
6/23/00	(0.001)
6/26/00	(0.001)
6/27/00	(0.001)
6/28/00	(0.001)
6/29/00	(0.001)
6/30/00	(0.001)
7/5/00	(0.007)
7/6/00	0.001
7/7/00	(0.016)
7/10/00	(0.005)
7/11/00	(0.002)
7/12/00	(0.001)
7/13/00	(0.005)
7/14/00	(0.002)
7/17/00	(0.001)
7/18/00	(0.002)
7/19/00	(0.002)
7/20/00	(0.002)
7/21/00	(0.002)
7/24/00	(0.001)
7/25/00	(0.002)
7/26/00	(0.001)
7/27/00	(0.001)
7/28/00	(0.001)
7/31/00	(0.001)
8/1/00	(0.001)
8/2/00	(0.007)
8/3/00	(0.007)
8/4/00	(0.016)
8/7/00	(0.013)
8/8/00	0.002
8/9/00	(0.004)

8/10/00	(0.006)
8/11/00	(0.002)
8/14/00	0.000
8/15/00	0.000
8/16/00	(0.001)
8/17/00	(0.001)
8/18/00	(0.001)
8/21/00	(0.001)
8/22/00	(0.001)
8/23/00	(0.001)
8/24/00	(0.001)
8/25/00	(0.001)
8/28/00	(0.001)
8/29/00	(0.001)
8/30/00	(0.001)
8/31/00	(0.001)
9/1/00	(0.001)
9/5/00	(0.003)
9/6/00	(0.001)
9/7/00	(0.004)
9/8/00	(0.003)
9/11/00	(0.002)
9/12/00	(0.001)
9/13/00	(0.002)
9/14/00	(0.001)
9/15/00	(0.001)
9/18/00	(0.001)
9/19/00	(0.001)
9/20/00	(0.001)
9/21/00	(0.001)
9/22/00	(0.001)
9/25/00	(0.001)
9/26/00	(0.001)
9/27/00	(0.001)
9/28/00	(0.001)
9/29/00	(0.001)
10/2/00	(0.001)
10/3/00	(0.003)
10/4/00	(0.004)
10/5/00	(0.008)
10/6/00	(0.005)
10/9/00	(0.001)
10/10/00	(0.001)
10/11/00	(0.001)
10/12/00	(0.001)
10/13/00	(0.001)
10/16/00	(0.001)
10/17/00	(0.001)
10/18/00	(0.001)
10/19/00	(0.001)
10/20/00	(0.001)
10/23/00	(0.001)

10/24/00	(0.001)
10/25/00	(0.001)
10/26/00	(0.001)
10/27/00	(0.001)
10/30/00	(0.001)
10/31/00	(0.001)
11/1/00	(0.001)
11/2/00	(0.008)
11/3/00	(0.005)
11/6/00	0.002
11/7/00	0.006
11/8/00	(0.003)
11/9/00	0.002
11/10/00	0.000
11/13/00	0.000
11/14/00	(0.001)
11/15/00	(0.001)
11/16/00	(0.001)
11/17/00	(0.001)
11/20/00	(0.001)
11/21/00	(0.001)
11/22/00	(0.001)
11/27/00	(0.001)
11/28/00	(0.001)
11/29/00	(0.001)
11/30/00	(0.001)
12/1/00	(0.001)
12/4/00	(0.016)
12/5/00	(0.024)
12/6/00	(0.042)
12/7/00	(0.027)
12/8/00	0.015
12/11/00	(0.010)
12/12/00	(0.015)
12/13/00	(0.005)
12/14/00	0.003
12/15/00	0.003
12/18/00	0.001
12/19/00	0.000
12/20/00	(0.001)
12/21/00	(0.001)
12/22/00	(0.001)
12/26/00	0.000
12/27/00	0.000
12/28/00	(0.001)
12/29/00	(0.001)
1/2/01	(0.001)
1/3/01	0.000
1/4/01	0.002
1/5/01	(0.003)
1/8/01	0.004
1/9/01	(0.007)

1/10/01	(0.001)
1/11/01	0.004
1/12/01	(0.001)
1/16/01	(0.003)
1/17/01	(0.002)
1/18/01	(0.001)
1/19/01	0.000
1/22/01	(0.001)
1/23/01	(0.001)
1/1/01	(0.001)
1/25/01	(0.001)
1/26/01	(0.001)
1/29/01	(0.001)
1/30/01	(0.001)
1/31/01	(0.001)
2/1/01	(0.001)
2/2/01	0.001
2/5/01	0.010
2/6/01	0.000
2/7/01	0.000
2/8/01	(0.002)
2/9/01	(0.002)
2/12/01	(0.001)
2/13/01	(0.001)
2/14/01	(0.001)
2/15/01	(0.001)
2/16/01	(0.001)
2/19/01	(0.001)
2/20/01	(0.001)
2/21/01	(0.001)
2/22/01	(0.001)
2/23/01	(0.001)
2/26/01	(0.001)
2/27/01	(0.001)
2/28/01	(0.001)
3/1/01	(0.001)
3/2/01	0.008
3/5/01	0.015
3/6/01	0.017
3/7/01	0.018
3/8/01	(0.007)
3/9/01	(0.002)
3/12/01	0.000
3/13/01	(0.003)
3/14/01	(0.004)
3/15/01	(0.004)
3/16/01	(0.003)
3/19/01	(0.002)
3/20/01	(0.002)
3/21/01	(0.002)
3/22/01	(0.002)
3/23/01	(0.002)

3/26/01	(0.001)
3/27/01	(0.001)
3/28/01	(0.001)
3/29/01	(0.001)
3/30/01	(0.001)
4/2/01	(0.001)
4/3/01	(0.004)
4/4/01	0.000
4/5/01	(0.003)
4/6/01	(0.001)
4/9/01	(0.001)
4/10/01	(0.001)
4/11/01	(0.002)
4/12/01	(0.001)
4/16/01	(0.001)
4/17/01	(0.001)
4/18/01	(0.001)
4/19/01	(0.001)
4/20/01	(0.001)
4/23/01	(0.001)
4/24/01	(0.001)
4/25/01	(0.001)
4/26/01	(0.001)
4/27/01	(0.001)
4/30/01	(0.001)
5/1/01	(0.001)
5/2/01	(0.010)
5/3/01	(0.008)
5/4/01	(0.018)
5/7/01	(0.011)
5/8/01	0.006
5/9/01	(0.004)
5/10/01	(0.005)
5/11/01	(0.001)
5/14/01	0.000
5/15/01	0.000
5/16/01	0.000
5/17/01	(0.001)
5/18/01	(0.001)
5/21/01	(0.001)
5/22/01	(0.001)
5/23/01	(0.001)
5/24/01	(0.001)
5/25/01	(0.001)
5/29/01	(0.001)
5/30/01	(0.001)
5/31/01	(0.001)
6/1/01	(0.001)
6/4/01	(0.008)
6/5/01	(0.025)
6/6/01	(0.008)
6/7/01	0.002

6/8/01	0.006
6/11/01	0.004
6/12/01	0.008
6/13/01	0.003
6/14/01	0.000
6/15/01	0.001
6/18/01	0.001
6/19/01	0.002
6/20/01	0.001
6/21/01	0.001
6/22/01	0.002
6/25/01	0.001
6/26/01	0.001
6/27/01	0.001
6/28/01	0.001
6/29/01	0.001
7/2/01	0.001
7/3/01	0.000
7/5/01	(0.010)
7/6/01	0.002
7/9/01	0.001
7/10/01	0.003
7/11/01	0.004
7/12/01	0.004
7/13/01	0.002
7/16/01	0.002
7/17/01	0.002
7/18/01	0.002
7/19/01	0.002
7/20/01	0.002
7/23/01	0.002
7/24/01	0.002
7/25/01	0.002
7/26/01	0.002
7/27/01	0.001
7/30/01	0.001
7/31/01	0.001
8/1/01	0.001
8/2/01	0.017
8/3/01	0.015
8/6/01	0.013
8/7/01	(0.003)
8/8/01	(0.004)
8/9/01	(0.001)
8/10/01	0.002
8/13/01	0.000
8/14/01	0.002
8/15/01	0.002
8/16/01	0.002
8/17/01	0.002
8/20/01	0.001
8/21/01	0.001

8/22/01	0.001
8/23/01	0.001
8/24/01	0.001
8/27/01	0.001
8/28/01	0.001
8/29/01	0.001
8/30/01	0.001
8/31/01	0.001
9/4/01	0.001
9/5/01	(0.020)
9/6/01	(0.016)
9/7/01	(0.010)
9/10/01	0.011
9/17/01	
9/18/01	0.000
9/19/01	0.000
9/20/01	0.000
9/21/01	0.000
9/24/01	0.000
9/25/01	0.000
9/26/01	0.000
9/27/01	(0.002)
9/28/01	(0.001)
10/1/01	(0.002)
10/2/01	(0.009)
10/3/01	(0.033)
10/4/01	(0.025)
10/5/01	(0.016)
10/8/01	0.010
10/9/01	0.002
10/10/01	0.007
10/11/01	0.003
10/12/01	0.002
10/15/01	0.003
10/16/01	0.003
10/17/01	0.003
10/18/01	0.002
10/19/01	0.002
10/22/01	0.002
10/23/01	0.002
10/24/01	0.002
10/25/01	0.001
10/26/01	0.001
10/29/01	0.001
10/30/01	0.001
10/31/01	0.001
11/1/01	0.001
11/2/01	(0.018)
11/5/01	(0.023)
11/6/01	(0.021)
11/7/01	(0.005)
11/8/01	(0.001)

11/9/01	0.003
11/12/01	0.001
11/13/01	0.001
11/14/01	0.002
11/15/01	0.002
11/16/01	0.002
11/19/01	0.002
11/20/01	0.001
11/21/01	0.001
11/26/01	0.001
11/27/01	0.001
11/28/01	0.001
11/29/01	0.001
11/30/01	0.001
12/3/01	0.001
12/4/01	0.019
12/5/01	0.019
12/6/01	0.052
12/7/01	0.014
12/10/01	0.013
12/11/01	0.010
12/12/01	0.007
12/13/01	0.009
12/14/01	0.003
12/17/01	0.002
12/18/01	0.001
12/19/01	0.001
12/20/01	0.001
12/21/01	0.002
12/26/01	0.002
12/27/01	0.001
12/28/01	0.001
12/31/01	0.001
1/2/02	0.001
1/3/02	0.002
1/4/02	(0.003)
1/7/02	0.014
1/8/02	0.009
1/9/02	0.000
1/10/02	0.005
1/11/02	0.004
1/14/02	0.003
1/15/02	0.000
1/16/02	0.000
1/17/02	0.001
1/18/02	0.001
1/22/02	0.001
1/23/02	0.001
1/24/02	0.001
1/25/02	0.001
1/28/02	0.001
1/29/02	0.001

1/30/02	0.001
1/31/02	0.001
2/1/02	0.001
2/4/02	0.038
2/5/02	0.018
2/6/02	0.052
2/7/02	0.030
2/8/02	0.005
2/11/02	(0.001)
2/12/02	0.000
2/13/02	(0.002)
2/14/02	(0.002)
2/15/02	(0.001)
2/19/02	0.000
2/20/02	0.000
2/21/02	0.000
2/22/02	0.000
2/25/02	0.000
2/26/02	0.000
2/27/02	0.001
2/28/02	0.001
3/1/02	0.001
3/4/02	0.004
3/5/02	0.009
3/6/02	0.026
3/7/02	0.029
3/8/02	(0.009)
3/11/02	0.006
3/12/02	0.011
3/13/02	0.003
3/14/02	(0.003)
3/15/02	(0.002)
3/18/02	(0.001)
3/19/02	0.001
3/20/02	0.001
3/21/02	0.001
3/22/02	0.001
3/25/02	0.001
3/26/02	0.001
3/27/02	0.001
3/28/02	0.001
4/1/02	0.001
4/2/02	(0.012)
4/3/02	(0.008)
4/4/02	(0.002)
4/5/02	0.013
4/8/02	0.002
4/9/02	0.004
4/10/02	0.004
4/11/02	0.003
4/12/02	(0.001)
4/15/02	0.000

4/16/02	0.000
4/17/02	0.001
4/18/02	0.001
4/19/02	0.001
4/22/02	0.001
4/23/02	0.001
4/24/02	0.001
4/25/02	0.001
4/26/02	0.001
4/29/02	0.001
4/30/02	0.001
5/1/02	0.001
5/2/02	(0.028)
5/3/02	(0.031)
5/6/02	(0.033)
5/7/02	(0.007)
5/8/2002	0.008
5/9/02	(0.001)
5/10/02	(0.002)
5/13/02	0.001
5/14/02	0.003
5/15/02	0.003
5/16/02	0.003
5/17/02	0.002
5/20/02	0.002
5/21/02	0.002
5/22/02	0.002
5/23/02	0.002
5/24/02	0.002
5/28/02	0.002
5/29/02	0.001
5/30/02	0.001
5/31/02	0.001
6/3/02	0.001
6/4/02	(0.003)
6/5/02	0.005
6/6/02	0.023
6/7/02	0.018
6/10/02	(0.002)
6/11/02	0.004
6/12/02	0.001
6/13/02	0.002
6/14/02	0.000
6/17/02	(0.001)
6/18/02	(0.001)
6/19/02	0.000
6/20/02	0.000
6/21/02	0.000
6/24/02	0.000
6/25/02	0.000
6/26/02	0.000
6/27/02	0.000

6/28/02	0.000
7/1/02	0.000
7/2/02	0.057
7/3/02	0.041
7/8/02	0.034
7/9/02	(0.001)
7/10/02	(0.006)
7/11/02	0.006
7/12/02	0.011
7/15/02	0.002
7/16/02	(0.001)
7/17/02	(0.001)
7/18/02	0.001
7/19/02	0.001
7/22/02	0.002
7/23/02	0.002
7/24/02	0.002
7/25/02	0.002
7/26/02	0.002
7/29/02	0.002
7/30/02	0.002
7/31/02	0.002
8/1/02	0.002
8/2/02	(0.002)
8/5/02	(0.014)
8/6/02	0.004
8/7/02	0.006
8/8/02	0.013
8/9/02	0.001
8/12/02	0.000
8/13/02	0.002
8/14/02	0.002
8/15/02	0.002
8/16/02	0.002
8/19/02	0.002
8/20/02	0.002
8/21/02	0.002
8/22/02	0.002
8/23/02	0.002
8/26/02	0.002
8/27/02	0.002
8/28/02	0.002
8/29/02	0.002
8/30/02	0.002
9/3/02	0.001
9/4/02	(0.010)
9/5/02	0.004
9/6/02	0.005
9/9/02	0.012
9/10/02	(0.014)
9/11/02	0.007
9/12/02	0.004

9/13/02	0.000
9/16/02	0.001
9/17/02	0.001
9/18/02	0.002
9/19/02	0.002
9/20/02	0.001
9/23/02	0.002
9/24/02	0.001
9/25/02	0.001
9/26/02	0.001
9/27/02	0.002
9/30/02	0.002
10/1/02	0.002
10/2/02	0.045
10/3/02	0.003
10/4/02	0.070
10/7/02	0.020
10/8/02	0.009
10/9/02	0.003
10/10/02	0.002
10/11/02	0.002
10/14/02	(0.001)
10/15/02	(0.001)
10/16/02	0.001
10/17/02	0.000
10/18/02	0.000
10/21/02	0.000
10/22/02	0.000
10/23/02	0.000
10/24/02	0.000
10/25/02	0.000
10/28/02	0.000
10/29/02	0.000
10/30/02	0.000
10/31/02	0.000
11/1/02	0.000
11/4/02	0.007
11/5/02	0.001
11/6/02	0.001
11/7/02	(0.008)
11/8/02	0.005
11/11/02	(0.001)
11/12/02	0.001
11/13/02	0.001
11/14/02	0.002
11/15/02	0.002
11/18/02	0.002
11/19/02	0.001
11/20/02	0.001
11/21/02	0.001
11/22/02	0.001
11/25/02	0.001

11/26/02	0.001
11/27/02	0.001
12/2/02	0.001
12/3/02	0.003
12/4/02	(0.001)
12/5/02	0.005
12/6/02	0.001
12/9/02	0.001
12/10/02	0.002
12/11/02	0.001
12/12/02	0.001
12/13/02	0.002
12/16/02	0.001
12/17/02	0.001
12/18/02	0.001
12/20/02	0.001
12/23/02	0.001
12/24/02	0.001
12/26/02	0.001
12/27/02	0.001
12/30/02	0.001
12/31/02	0.001