

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
1/22/1992	16.75	17.12	4/1/2008	4.66%	9/16/2019	16.78
1/21/1992	17.92	17.13	4/2/2008	4.66%	9/17/2019	16.76
1/20/1992	16.42	17.13	4/3/2008	4.65%	9/18/2019	16.74
1/17/1992	16.32	17.14	4/4/2008	4.65%	9/19/2019	16.72
1/16/1992	17.64	17.14	4/7/2008	4.65%	9/20/2019	16.71
1/15/1992	17.39	17.14	4/8/2008	4.64%	9/23/2019	16.69
1/14/1992	17.01	17.14	4/9/2008	4.64%	9/24/2019	16.66
1/13/1992	18.01	17.15	4/10/2008	4.63%	9/25/2019	16.63
1/10/1992	18.45	17.14	4/11/2008	4.63%	9/26/2019	16.60
1/9/1992	18.96	17.13	4/14/2008	4.62%	9/27/2019	16.57
1/8/1992	18.72	17.12	4/15/2008	4.62%	9/30/2019	16.55
1/7/1992	19.23	17.11	4/16/2008	4.62%	10/1/2019	16.54
1/6/1992	18.96	17.09	4/17/2008	4.61%	10/2/2019	16.53
1/3/1992	18.75	17.08	4/18/2008	4.61%	10/3/2019	16.50
1/2/1992	18.95	17.07	4/21/2008	4.61%	10/4/2019	16.46
12/31/1991	19.31	17.06	4/22/2008	4.60%	10/7/2019	16.42
12/30/1991	17.63	17.04	4/23/2008	4.60%	10/8/2019	16.38
12/27/1991	15.70	17.02	4/24/2008	4.60%	10/9/2019	16.32
12/26/1991	15.44	17.02	4/25/2008	4.60%	10/10/2019	16.23
12/24/1991	15.67	17.02	4/28/2008	4.59%	10/11/2019	16.16
12/23/1991	16.61	17.04	4/29/2008	4.59%	10/14/2019	16.08
12/20/1991	17.65	17.06	4/30/2008	4.59%	10/15/2019	16.01
12/19/1991	17.96	17.08	5/1/2008	4.59%	10/16/2019	15.95
12/18/1991	17.78	17.09	5/2/2008	4.58%	10/17/2019	15.90
12/17/1991	18.12	17.11	5/5/2008	4.58%	10/18/2019	15.85
12/16/1991	17.62	17.12	5/6/2008	4.58%	10/21/2019	15.81
12/13/1991	17.88	17.13	5/7/2008	4.58%	10/22/2019	15.77
12/12/1991	19.08	17.15	5/8/2008	4.58%	10/23/2019	15.74
12/11/1991	20.57	17.16	5/9/2008	4.58%	10/24/2019	15.71
12/10/1991	19.89	17.16	5/12/2008	4.57%	10/25/2019	15.68
12/9/1991	19.74	17.18	5/13/2008	4.57%	10/28/2019	15.65
12/6/1991	19.04	17.18	5/14/2008	4.57%	10/29/2019	15.62
12/5/1991	20.19	17.19	5/15/2008	4.57%	10/30/2019	15.59
12/4/1991	19.54	17.20	5/16/2008	4.57%	10/31/2019	15.56
12/3/1991	19.70	17.20	5/19/2008	4.56%	11/1/2019	15.53
12/2/1991	20.18	17.20	5/20/2008	4.56%	11/4/2019	15.51
11/29/1991	20.26	17.21	5/21/2008	4.56%	11/5/2019	15.47
11/27/1991	19.84	17.21	5/22/2008	4.56%	11/6/2019	15.43
11/26/1991	19.80	17.22	5/23/2008	4.56%	11/7/2019	15.40
11/25/1991	21.92	17.24	5/26/2008	4.55%	11/8/2019	15.38
11/22/1991	21.20	17.24	5/27/2008	4.55%	11/11/2019	15.35
11/21/1991	19.11	17.26	5/28/2008	4.55%	11/12/2019	15.31
11/20/1991	20.40	17.27	5/29/2008	4.55%	11/13/2019	15.29
11/19/1991	20.34	17.28	5/30/2008	4.55%	11/14/2019	15.27
11/18/1991	18.28	17.29	6/2/2008	4.55%	11/15/2019	15.25
11/15/1991	21.18	17.30	6/3/2008	4.55%	11/18/2019	15.24
11/14/1991	13.96	17.30	6/4/2008	4.55%	11/19/2019	15.22
11/13/1991	13.95	17.34	6/5/2008	4.54%	11/20/2019	15.21
11/12/1991	14.04	17.38	6/6/2008	4.54%	11/21/2019	15.19
11/11/1991	14.89	17.43	6/9/2008	4.54%	11/22/2019	15.18
11/8/1991	15.43	17.46	6/10/2008	4.54%	11/25/2019	15.16
11/7/1991	15.97	17.50	6/11/2008	4.54%	11/26/2019	15.14
11/6/1991	16.47	17.54	6/12/2008	4.54%	11/27/2019	15.12
11/5/1991	16.48	17.58	6/13/2008	4.54%	11/29/2019	15.10
11/4/1991	16.35	17.62	6/16/2008	4.54%	12/2/2019	15.10
11/1/1991	15.60	17.67	6/17/2008	4.54%	12/3/2019	15.10
10/31/1991	15.48	17.73	6/18/2008	4.54%	12/4/2019	15.11
10/30/1991	15.46	17.82	6/19/2008	4.54%	12/5/2019	15.11
10/29/1991	15.55	17.92	6/20/2008	4.54%	12/6/2019	15.11
10/28/1991	15.45	18.02	6/23/2008	4.54%	12/9/2019	15.11
10/25/1991	15.75	18.11	6/24/2008	4.54%	12/10/2019	15.12

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
10/24/1991	15.62	18.19	6/25/2008	4.54%	12/11/2019	15.12
10/23/1991	16.26	18.27	6/26/2008	4.54%	12/12/2019	15.11
10/22/1991	16.55	18.35	6/27/2008	4.54%	12/13/2019	15.11
10/21/1991	16.66	18.41	6/30/2008	4.54%	12/16/2019	15.10
10/18/1991	15.87	18.46	7/1/2008	4.54%	12/17/2019	15.08
10/17/1991	16.32	18.52	7/2/2008	4.53%	12/18/2019	15.07
10/16/1991	14.85	18.57	7/3/2008	4.53%	12/19/2019	15.05
10/15/1991	16.22	18.63	7/4/2008	4.53%	12/20/2019	15.03
10/14/1991	16.71	18.67	7/7/2008	4.53%	12/23/2019	15.02
10/11/1991	17.60	18.71	7/8/2008	4.53%	12/24/2019	15.02
10/10/1991	17.80	18.75	7/9/2008	4.53%	12/26/2019	15.01
10/9/1991	18.54	18.78	7/10/2008	4.52%	12/27/2019	15.01
10/8/1991	17.81	18.80	7/11/2008	4.52%	12/30/2019	15.02
10/7/1991	18.58	18.83	7/14/2008	4.52%	12/31/2019	15.02
10/4/1991	15.63	18.85	7/15/2008	4.52%	1/2/2020	15.02
10/3/1991	17.04	18.89	7/16/2008	4.52%	1/3/2020	15.02
10/2/1991	15.81	18.92	7/17/2008	4.52%	1/6/2020	15.02
10/1/1991	14.81	18.96	7/18/2008	4.51%	1/7/2020	15.01
9/30/1991	15.85	19.01	7/21/2008	4.51%	1/8/2020	14.99
9/27/1991	16.31	19.03	7/22/2008	4.51%	1/9/2020	14.98
9/26/1991	15.35	19.07	7/23/2008	4.51%	1/10/2020	14.97
9/25/1991	15.68	19.11	7/24/2008	4.51%	1/13/2020	14.96
9/24/1991	16.04	19.15	7/25/2008	4.51%	1/14/2020	14.95
9/23/1991	16.38	19.18	7/28/2008	4.51%	1/15/2020	14.95
9/20/1991	17.08	19.20	7/29/2008	4.51%	1/16/2020	14.94
9/19/1991	17.56	19.23	7/30/2008	4.51%	1/17/2020	14.93
9/18/1991	17.56	19.25	7/31/2008	4.51%	1/21/2020	14.93
9/17/1991	17.68	19.27	8/1/2008	4.51%	1/22/2020	14.93
9/16/1991	17.82	19.30	8/4/2008	4.51%	1/23/2020	14.93
9/13/1991	17.88	19.33	8/5/2008	4.51%	1/24/2020	14.93
9/12/1991	16.21	19.35	8/6/2008	4.51%	1/27/2020	14.96
9/11/1991	17.96	19.39	8/7/2008	4.51%	1/28/2020	14.97
9/10/1991	18.22	19.40	8/8/2008	4.51%	1/29/2020	14.99
9/9/1991	17.73	19.42	8/11/2008	4.51%	1/30/2020	15.01
9/6/1991	16.76	19.43	8/12/2008	4.51%	1/31/2020	15.04
9/5/1991	17.31	19.45	8/13/2008	4.50%	2/3/2020	15.07
9/4/1991	17.18	19.47	8/14/2008	4.50%	2/4/2020	15.09
9/3/1991	16.57	19.50	8/15/2008	4.50%	2/5/2020	15.10
8/30/1991	14.46	19.53	8/18/2008	4.50%	2/6/2020	15.12
8/29/1991	14.82	19.58	8/19/2008	4.50%	2/7/2020	15.13
8/28/1991	15.31	19.63	8/20/2008	4.50%	2/10/2020	15.14
8/27/1991	15.46	19.69	8/21/2008	4.50%	2/11/2020	15.15
8/26/1991	14.81	19.77	8/22/2008	4.50%	2/12/2020	15.15
8/23/1991	14.41	19.85	8/25/2008	4.50%	2/13/2020	15.16
8/22/1991	14.59	19.92	8/26/2008	4.50%	2/14/2020	15.15
8/21/1991	15.62	20.00	8/27/2008	4.50%	2/18/2020	15.15
8/20/1991	18.86	20.07	8/28/2008	4.50%	2/19/2020	15.16
8/19/1991	21.19	20.13	8/29/2008	4.50%	2/20/2020	15.16
8/16/1991	16.01	20.17	9/1/2008	4.50%	2/21/2020	15.15
8/15/1991	15.19	20.24	9/2/2008	4.50%	2/24/2020	15.18
8/14/1991	15.09	20.33	9/3/2008	4.50%	2/25/2020	15.22
8/13/1991	14.73	20.40	9/4/2008	4.50%	2/26/2020	15.28
8/12/1991	15.26	20.48	9/5/2008	4.50%	2/27/2020	15.37
8/9/1991	15.45	20.54	9/8/2008	4.50%	2/28/2020	15.48
8/8/1991	15.98	20.60	9/9/2008	4.50%	3/2/2020	15.57
8/7/1991	15.56	20.66	9/10/2008	4.50%	3/3/2020	15.68
8/6/1991	15.54	20.72	9/11/2008	4.49%	3/4/2020	15.76
8/5/1991	15.92	20.79	9/12/2008	4.49%	3/5/2020	15.87
8/2/1991	15.26	20.87	9/15/2008	4.49%	3/6/2020	16.01
8/1/1991	15.47	20.95	9/16/2008	4.49%	3/9/2020	16.21
7/31/1991	15.18	21.03	9/17/2008	4.49%	3/10/2020	16.36

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
7/30/1991	15.47	21.11	9/18/2008	4.48%	3/11/2020	16.55
7/29/1991	15.67	21.20	9/19/2008	4.48%	3/12/2020	16.84
7/26/1991	15.45	21.28	9/22/2008	4.48%	3/13/2020	17.04
7/25/1991	15.74	21.36	9/23/2008	4.48%	3/16/2020	17.37
7/24/1991	16.41	21.42	9/24/2008	4.48%	3/17/2020	17.65
7/23/1991	16.58	21.48	9/25/2008	4.48%	3/18/2020	17.94
7/22/1991	16.90	21.53	9/26/2008	4.48%	3/19/2020	18.21
7/19/1991	15.50	21.59	9/29/2008	4.48%	3/20/2020	18.46
7/18/1991	15.77	21.65	9/30/2008	4.48%	3/23/2020	18.69
7/17/1991	17.52	21.71	10/1/2008	4.47%	3/24/2020	18.92
7/16/1991	17.49	21.77	10/2/2008	4.47%	3/25/2020	19.16
7/15/1991	17.78	21.82	10/3/2008	4.47%	3/26/2020	19.38
7/12/1991	18.29	21.87	10/6/2008	4.47%	3/27/2020	19.63
7/11/1991	17.39	21.93	10/7/2008	4.46%	3/30/2020	19.84
7/10/1991	19.19	21.99	10/8/2008	4.46%	3/31/2020	20.03
7/9/1991	19.76	22.05	10/9/2008	4.46%	4/1/2020	20.24
7/8/1991	20.29	22.09	10/10/2008	4.46%	4/2/2020	20.42
7/5/1991	18.35	22.13	10/13/2008	4.46%	4/3/2020	20.58
7/3/1991	19.47	22.18	10/14/2008	4.46%	4/6/2020	20.73
7/2/1991	17.63	22.23	10/15/2008	4.46%	4/7/2020	20.89
7/1/1991	18.64	22.30	10/16/2008	4.46%	4/8/2020	21.03
6/28/1991	19.55	22.35	10/17/2008	4.46%	4/9/2020	21.16
6/27/1991	17.87	22.39	10/20/2008	4.46%	4/13/2020	21.28
6/26/1991	17.98	22.44	10/21/2008	4.46%	4/14/2020	21.39
6/25/1991	17.85	22.50	10/22/2008	4.45%	4/15/2020	21.52
6/24/1991	18.28	22.56	10/23/2008	4.45%	4/16/2020	21.65
6/21/1991	16.51	22.62	10/24/2008	4.45%	4/17/2020	21.78
6/20/1991	16.75	22.68	10/27/2008	4.45%	4/20/2020	21.93
6/19/1991	17.44	22.74	10/28/2008	4.45%	4/21/2020	22.09
6/18/1991	16.14	22.80	10/29/2008	4.45%	4/22/2020	22.23
6/17/1991	15.50	22.87	10/30/2008	4.45%	4/23/2020	22.37
6/14/1991	15.98	22.93	10/31/2008	4.45%	4/24/2020	22.48
6/13/1991	16.99	23.00	11/3/2008	4.45%	4/27/2020	22.59
6/12/1991	17.72	23.06	11/4/2008	4.45%	4/28/2020	22.69
6/11/1991	17.32	23.14	11/5/2008	4.45%	4/29/2020	22.78
6/10/1991	17.47	23.24	11/6/2008	4.45%	4/30/2020	22.89
6/7/1991	16.98	23.30	11/7/2008	4.45%	5/1/2020	23.01
6/6/1991	16.93	23.36	11/10/2008	4.45%	5/4/2020	23.12
6/5/1991	16.40	23.41	11/11/2008	4.45%	5/5/2020	23.22
6/4/1991	16.17	23.46	11/12/2008	4.45%	5/6/2020	23.32
6/3/1991	16.87	23.52	11/13/2008	4.45%	5/7/2020	23.41
5/31/1991	15.93	23.55	11/14/2008	4.44%	5/8/2020	23.49
5/30/1991	16.02	23.59	11/17/2008	4.44%	5/11/2020	23.57
5/29/1991	15.90	23.64	11/18/2008	4.44%	5/12/2020	23.67
5/28/1991	15.67	23.69	11/19/2008	4.44%	5/13/2020	23.78
5/24/1991	15.23	23.73	11/20/2008	4.43%	5/14/2020	23.88
5/23/1991	16.11	23.80	11/21/2008	4.43%	5/15/2020	23.95
5/22/1991	16.16	23.88	11/24/2008	4.42%	5/18/2020	24.01
5/21/1991	16.07	23.98	11/25/2008	4.42%	5/19/2020	24.08
5/20/1991	17.10	24.04	11/26/2008	4.41%	5/20/2020	24.09
5/17/1991	16.64	24.06	11/27/2008	4.41%	5/21/2020	24.14
5/16/1991	17.24	24.09	11/28/2008	4.40%	5/22/2020	24.18
5/15/1991	18.38	24.11	12/1/2008	4.40%	5/26/2020	24.24
5/14/1991	18.00	24.12	12/2/2008	4.39%	5/27/2020	24.29
5/13/1991	17.66	24.13	12/3/2008	4.38%	5/28/2020	24.32
5/10/1991	17.54	24.15	12/4/2008	4.37%	5/29/2020	24.37
5/9/1991	17.17	24.16	12/5/2008	4.37%	6/1/2020	24.41
5/8/1991	17.78	24.18	12/8/2008	4.36%	6/2/2020	24.43
5/7/1991	17.46	24.21	12/9/2008	4.35%	6/3/2020	24.47
5/6/1991	17.92	24.20	12/10/2008	4.35%	6/4/2020	24.51
5/3/1991	17.24	24.21	12/11/2008	4.34%	6/5/2020	24.55

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
5/2/1991	17.52	24.22	12/12/2008	4.33%	6/8/2020	24.60
5/1/1991	17.77	24.21	12/15/2008	4.32%	6/9/2020	24.65
4/30/1991	18.24	24.21	12/16/2008	4.31%	6/10/2020	24.69
4/29/1991	18.27	24.20	12/17/2008	4.31%	6/11/2020	24.80
4/26/1991	17.27	24.19	12/18/2008	4.30%	6/12/2020	24.88
4/25/1991	17.15	24.19	12/19/2008	4.29%	6/15/2020	24.95
4/24/1991	16.72	24.19	12/22/2008	4.28%	6/16/2020	25.03
4/23/1991	17.02	24.19	12/23/2008	4.27%	6/17/2020	25.11
4/22/1991	16.78	24.19	12/24/2008	4.26%	6/18/2020	25.17
4/19/1991	15.68	24.19	12/25/2008	4.25%	6/19/2020	25.26
4/18/1991	16.26	24.19	12/26/2008	4.25%	6/22/2020	25.34
4/17/1991	15.47	24.19	12/29/2008	4.24%	6/23/2020	25.42
4/16/1991	15.82	24.19	12/30/2008	4.23%	6/24/2020	25.51
4/15/1991	16.50	24.19	12/31/2008	4.22%	6/25/2020	25.60
4/12/1991	18.45	24.19	1/1/2009	4.21%	6/26/2020	25.70
4/11/1991	17.24	24.18	1/2/2009	4.20%	6/29/2020	25.79
4/10/1991	19.73	24.18	1/5/2009	4.20%	6/30/2020	25.87
4/9/1991	20.12	24.18	1/6/2009	4.19%	7/1/2020	25.94
4/8/1991	17.41	24.15	1/7/2009	4.18%	7/2/2020	26.01
4/5/1991	17.63	24.14	1/8/2009	4.18%	7/6/2020	26.08
4/4/1991	18.01	24.13	1/9/2009	4.17%	7/7/2020	26.15
4/3/1991	17.61	24.13	1/12/2009	4.16%	7/8/2020	26.22
4/2/1991	17.40	24.12	1/13/2009	4.16%	7/9/2020	26.29
4/1/1991	17.42	24.12	1/14/2009	4.15%	7/10/2020	26.34
3/28/1991	16.88	24.12	1/15/2009	4.14%	7/13/2020	26.42
3/27/1991	16.55	24.12	1/16/2009	4.14%	7/14/2020	26.49
3/26/1991	16.31	24.12	1/19/2009	4.13%	7/15/2020	26.54
3/25/1991	16.76	24.12	1/20/2009	4.12%	7/16/2020	26.60
3/22/1991	16.49	24.12	1/21/2009	4.12%	7/17/2020	26.64
3/21/1991	16.86	24.13	1/22/2009	4.11%	7/20/2020	26.65
3/20/1991	16.04	24.14	1/23/2009	4.10%	7/21/2020	26.68
3/19/1991	16.11	24.15	1/26/2009	4.10%	7/22/2020	26.72
3/18/1991	15.79	24.15	1/27/2009	4.09%	7/23/2020	26.76
3/15/1991	14.90	24.16	1/28/2009	4.09%	7/24/2020	26.79
3/14/1991	14.94	24.17	1/29/2009	4.08%	7/27/2020	26.82
3/13/1991	16.09	24.19	1/30/2009	4.08%	7/28/2020	26.86
3/12/1991	18.82	24.20	2/2/2009	4.07%	7/29/2020	26.90
3/11/1991	20.88	24.19	2/3/2009	4.07%	7/30/2020	26.95
3/8/1991	20.81	24.18	2/4/2009	4.06%	7/31/2020	27.01
3/7/1991	21.05	24.16	2/5/2009	4.06%	8/3/2020	27.06
3/6/1991	20.55	24.14	2/6/2009	4.05%	8/4/2020	27.11
3/5/1991	20.45	24.12	2/9/2009	4.05%	8/5/2020	27.15
3/4/1991	20.86	24.11	2/10/2009	4.04%	8/6/2020	27.20
2/28/1991	21.23	24.09	2/11/2009	4.04%	8/7/2020	27.23
2/27/1991	21.26	24.08	2/12/2009	4.03%	8/10/2020	27.28
2/26/1991	20.38	24.08	2/13/2009	4.03%	8/11/2020	27.33
2/25/1991	22.86	24.07	2/16/2009	4.02%	8/12/2020	27.38
2/22/1991	21.01	24.05	2/17/2009	4.02%	8/13/2020	27.42
2/21/1991	20.78	24.04	2/18/2009	4.01%	8/14/2020	27.46
2/20/1991	22.26	24.03	2/19/2009	4.01%	8/17/2020	27.51
2/19/1991	19.84	24.01	2/20/2009	4.00%	8/18/2020	27.55
2/15/1991	19.57	23.99	2/23/2009	4.00%	8/19/2020	27.60
2/14/1991	21.48	23.98	2/24/2009	3.99%	8/20/2020	27.65
2/13/1991	20.86	23.97	2/25/2009	3.99%	8/21/2020	27.70
2/12/1991	22.26	23.96	2/26/2009	3.98%	8/24/2020	27.75
2/11/1991	22.56	23.95	2/27/2009	3.98%	8/25/2020	27.79
2/8/1991	23.38	23.95	3/2/2009	3.97%	8/26/2020	27.85
2/7/1991	23.60	23.93	3/3/2009	3.97%	8/27/2020	27.91
2/6/1991	22.68	23.92	3/4/2009	3.96%	8/28/2020	27.96
2/5/1991	21.46	23.91	3/5/2009	3.96%	8/31/2020	28.03
2/4/1991	21.86	23.93	3/6/2009	3.95%	9/1/2020	28.09

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
2/1/1991	21.04	23.93	3/9/2009	3.95%	9/2/2020	28.17
1/31/1991	20.91	23.94	3/10/2009	3.94%	9/3/2020	28.27
1/30/1991	21.37	23.95	3/11/2009	3.94%	9/4/2020	28.36
1/29/1991	23.17	23.94	3/12/2009	3.93%	9/8/2020	28.45
1/28/1991	23.05	23.93	3/13/2009	3.93%	9/9/2020	28.53
1/25/1991	22.20	23.92	3/16/2009	3.92%	9/10/2020	28.62
1/24/1991	22.86	23.89	3/17/2009	3.92%	9/11/2020	28.69
1/23/1991	23.92	23.89	3/18/2009	3.91%	9/14/2020	28.77
1/22/1991	24.90	23.88	3/19/2009	3.91%	9/15/2020	28.84
1/21/1991	24.33	23.86	3/20/2009	3.90%	9/16/2020	28.90
1/18/1991	25.39	23.85	3/23/2009	3.89%	9/17/2020	28.96
1/17/1991	27.45	23.83	3/24/2009	3.89%	9/18/2020	29.01
1/16/1991	33.20	23.80	3/25/2009	3.88%	9/21/2020	29.07
1/15/1991	36.16	23.74	3/26/2009	3.88%	9/22/2020	29.14
1/14/1991	36.20	23.66	3/27/2009	3.87%	9/23/2020	29.21
1/11/1991	32.63	23.57	3/30/2009	3.87%	9/24/2020	29.27
1/10/1991	31.33	23.51	3/31/2009	3.86%	9/25/2020	29.33
1/9/1991	33.30	23.46	4/1/2009	3.86%	9/28/2020	29.38
1/8/1991	30.38	23.39	4/2/2009	3.85%	9/29/2020	29.45
1/7/1991	28.95	23.34	4/3/2009	3.85%	9/30/2020	29.51
1/4/1991	27.19	23.31	4/6/2009	3.84%	10/1/2020	29.59
1/3/1991	27.93	23.27	4/7/2009	3.84%	10/2/2020	29.66
1/2/1991	26.62	23.23	4/8/2009	3.83%	10/5/2020	29.74
12/31/1990	26.38	23.19	4/9/2009	3.83%	10/6/2020	29.83
12/28/1990	25.05	23.14	4/10/2009	3.83%	10/7/2020	29.90
12/27/1990	24.81	23.11	4/13/2009	3.82%	10/8/2020	29.97
12/26/1990	24.18	23.09	4/14/2009	3.82%	10/9/2020	30.03
12/24/1990	24.03	23.07	4/15/2009	3.82%	10/12/2020	30.10
12/21/1990	22.66	23.05	4/16/2009	3.81%	10/13/2020	30.16
12/20/1990	23.13	23.04	4/17/2009	3.81%	10/14/2020	30.22
12/19/1990	23.08	23.02	4/20/2009	3.80%	10/15/2020	30.28
12/18/1990	23.11	23.00	4/21/2009	3.80%	10/16/2020	30.36
12/17/1990	24.85	22.99	4/22/2009	3.80%	10/19/2020	30.43
12/14/1990	23.85	22.97	4/23/2009	3.79%	10/20/2020	30.51
12/13/1990	23.05	22.96	4/24/2009	3.79%	10/21/2020	30.58
12/12/1990	21.28	22.96	4/27/2009	3.79%	10/22/2020	30.66
12/11/1990	23.75	22.96	4/28/2009	3.78%	10/23/2020	30.73
12/10/1990	23.58	22.95	4/29/2009	3.78%	10/26/2020	30.83
12/7/1990	22.59	22.95	4/30/2009	3.78%	10/27/2020	30.94
12/6/1990	22.62	22.96	5/1/2009	3.77%	10/28/2020	31.08
12/5/1990	20.94	22.96	5/4/2009	3.77%	10/29/2020	31.20
12/4/1990	22.03	22.97	5/5/2009	3.77%	10/30/2020	31.33
12/3/1990	22.29	22.98	5/6/2009	3.76%	11/2/2020	31.46
11/30/1990	22.16	22.97	5/7/2009	3.76%	11/3/2020	31.57
11/29/1990	23.91	22.96	5/8/2009	3.76%	11/4/2020	31.65
11/28/1990	22.96	22.95	5/11/2009	3.76%	11/5/2020	31.73
11/27/1990	22.86	22.95	5/12/2009	3.76%	11/6/2020	31.78
11/26/1990	22.76	22.96	5/13/2009	3.75%	11/9/2020	31.82
11/23/1990	20.98	22.97	5/14/2009	3.75%	11/10/2020	31.86
11/21/1990	21.09	22.98	5/15/2009	3.75%	11/11/2020	31.89
11/20/1990	20.09	23.00	5/18/2009	3.75%	11/12/2020	31.94
11/19/1990	20.95	23.02	5/19/2009	3.75%	11/13/2020	31.96
11/16/1990	21.34	23.04	5/20/2009	3.74%	11/16/2020	31.99
11/15/1990	22.57	23.05	5/21/2009	3.74%	11/17/2020	32.02
11/14/1990	22.89	23.06	5/22/2009	3.74%	11/18/2020	32.06
11/13/1990	24.58	23.07	5/25/2009	3.74%	11/19/2020	32.10
11/12/1990	25.60	23.09	5/26/2009	3.74%	11/20/2020	32.15
11/9/1990	26.96	23.09	5/27/2009	3.74%	11/23/2020	32.18
11/8/1990	30.79	23.09	5/28/2009	3.74%	11/24/2020	32.22
11/7/1990	30.87	23.06	5/29/2009	3.74%	11/25/2020	32.25
11/6/1990	29.11	23.04	6/1/2009	3.74%	11/27/2020	32.29

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
11/5/1990	29.85	23.01	6/2/2009	3.74%	11/30/2020	32.32
11/2/1990	30.03	23.00	6/3/2009	3.74%	12/1/2020	32.35
11/1/1990	30.25	22.96	6/4/2009	3.74%	12/2/2020	32.38
10/31/1990	30.04	22.93	6/5/2009	3.75%	12/3/2020	32.41
10/30/1990	30.52	22.90	6/8/2009	3.75%	12/4/2020	32.43
10/29/1990	31.54	22.87	6/9/2009	3.75%	12/7/2020	32.41
10/26/1990	30.75	22.84	6/10/2009	3.75%	12/8/2020	32.38
10/25/1990	29.04	22.81	6/11/2009	3.75%	12/9/2020	32.35
10/24/1990	28.28	22.77	6/12/2009	3.75%	12/10/2020	32.27
10/23/1990	27.57	22.74	6/15/2009	3.76%	12/11/2020	32.18
10/22/1990	27.27	22.71	6/16/2009	3.76%	12/14/2020	32.14
10/19/1990	27.86	22.68	6/17/2009	3.76%	12/15/2020	32.07
10/18/1990	29.60	22.64	6/18/2009	3.76%	12/16/2020	32.02
10/17/1990	31.37	22.59	6/19/2009	3.76%	12/17/2020	31.93
10/16/1990	31.45	22.52	6/22/2009	3.76%	12/18/2020	31.83
10/15/1990	31.64	22.45	6/23/2009	3.77%	12/21/2020	31.69
10/12/1990	31.94	22.40	6/24/2009	3.77%	12/22/2020	31.57
10/11/1990	33.98	22.36	6/25/2009	3.77%	12/23/2020	31.42
10/10/1990	31.19	22.30	6/26/2009	3.77%	12/24/2020	31.15
10/9/1990	30.71	22.25	6/29/2009	3.77%	12/28/2020	30.97
10/8/1990	28.04	22.21	6/30/2009	3.77%	12/29/2020	30.67
10/5/1990	27.85	22.18	7/1/2009	3.77%	12/30/2020	30.40
10/4/1990	27.51	22.15	7/2/2009	3.77%	12/31/2020	30.14
10/3/1990	27.90	22.12	7/3/2009	3.77%	1/4/2021	29.91
10/2/1990	27.28	22.09	7/6/2009	3.77%	1/5/2021	29.71
10/1/1990	28.06	22.06	7/7/2009	3.77%	1/6/2021	29.52
9/28/1990	29.11	22.03	7/8/2009	3.77%	1/7/2021	29.33
9/27/1990	28.67	21.99	7/9/2009	3.77%	1/8/2021	29.12
9/26/1990	28.19	21.96	7/10/2009	3.77%	1/11/2021	28.93
9/25/1990	28.81	21.92	7/13/2009	3.77%	1/12/2021	28.72
9/24/1990	30.56	21.89	7/14/2009	3.77%	1/13/2021	28.55
9/21/1990	30.04	21.84	7/15/2009	3.77%	1/14/2021	28.39
9/20/1990	28.66	21.79	7/16/2009	3.77%	1/15/2021	28.23
9/19/1990	27.88	21.76	7/17/2009	3.78%	1/19/2021	28.09
9/18/1990	28.82	21.72	7/20/2009	3.78%	1/20/2021	27.97
9/17/1990	29.55	21.68	7/21/2009	3.78%	1/21/2021	27.85
9/14/1990	30.56	21.64	7/22/2009	3.78%	1/22/2021	27.72
9/13/1990	29.33	21.59	7/23/2009	3.78%	1/25/2021	27.62
9/12/1990	28.12	21.55	7/24/2009	3.78%	1/26/2021	27.53
9/11/1990	28.38	21.51	7/27/2009	3.78%	1/27/2021	27.51
9/10/1990	29.34	21.47	7/28/2009	3.79%	1/28/2021	27.47
9/7/1990	28.73	21.42	7/29/2009	3.79%	1/29/2021	27.43
9/6/1990	30.19	21.38	7/30/2009	3.79%	2/1/2021	27.38
9/5/1990	28.52	21.33	7/31/2009	3.79%	2/2/2021	27.32
9/4/1990	29.58	21.29	8/3/2009	3.79%	2/3/2021	27.22
8/31/1990	29.90	21.24	8/4/2009	3.79%	2/4/2021	27.10
8/30/1990	29.89	21.19	8/5/2009	3.80%	2/5/2021	26.99
8/29/1990	27.38	21.14	8/6/2009	3.80%	2/8/2021	26.89
8/28/1990	29.12	21.10	8/7/2009	3.80%	2/9/2021	26.82
8/27/1990	29.63	21.05	8/10/2009	3.80%	2/10/2021	26.76
8/24/1990	33.93	21.00	8/11/2009	3.80%	2/11/2021	26.70
8/23/1990	36.47	20.92	8/12/2009	3.80%	2/12/2021	26.65
8/22/1990	30.55	20.82	8/13/2009	3.80%	2/16/2021	26.58
8/21/1990	28.90	20.76	8/14/2009	3.80%	2/17/2021	26.50
8/20/1990	26.46	20.71	8/17/2009	3.81%	2/18/2021	26.44
8/17/1990	27.53	20.68	8/18/2009	3.81%	2/19/2021	26.38
8/16/1990	27.16	20.64	8/19/2009	3.81%	2/22/2021	26.32
8/15/1990	23.31	20.59	8/20/2009	3.81%	2/23/2021	26.28
8/14/1990	24.18	20.58	8/21/2009	3.81%	2/24/2021	26.25
8/13/1990	25.74	20.55	8/24/2009	3.81%	2/25/2021	26.26
8/10/1990	25.75	20.52	8/25/2009	3.81%	2/26/2021	26.23

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
8/9/1990	24.39	20.49	8/26/2009	3.81%	3/1/2021	26.17
8/8/1990	28.27	20.46	8/27/2009	3.81%	3/2/2021	26.13
8/7/1990	32.75	20.41	8/28/2009	3.82%	3/3/2021	26.10
8/6/1990	35.91	20.33	8/31/2009	3.82%	3/4/2021	26.10
8/3/1990	28.74	20.22	9/1/2009	3.82%	3/5/2021	26.07
8/2/1990	20.43	20.17	9/2/2009	3.82%	3/8/2021	26.06
8/1/1990	21.64	20.16	9/3/2009	3.83%	3/9/2021	26.03
7/31/1990	21.11	20.15	9/4/2009	3.83%	3/10/2021	26.00
7/30/1990	21.16	20.15	9/7/2009	3.84%	3/11/2021	25.97
7/27/1990	21.12	20.14	9/8/2009	3.84%	3/12/2021	25.94
7/26/1990	20.26	20.13	9/9/2009	3.85%	3/15/2021	25.89
7/25/1990	20.19	20.13	9/10/2009	3.85%	3/16/2021	25.85
7/24/1990	21.79	20.13	9/11/2009	3.86%	3/17/2021	25.81
7/23/1990	23.68	20.12	9/14/2009	3.86%	3/18/2021	25.78
7/20/1990	15.63	20.10	9/15/2009	3.87%	3/19/2021	25.76
7/19/1990	18.56	20.13	9/16/2009	3.88%	3/22/2021	25.73
7/18/1990	18.90	20.14	9/17/2009	3.88%	3/23/2021	25.70
7/17/1990	16.66	20.15	9/18/2009	3.89%	3/24/2021	25.68
7/16/1990	16.75	20.17	9/21/2009	3.89%	3/25/2021	25.64
7/13/1990	17.09	20.20	9/22/2009	3.90%	3/26/2021	25.60
7/12/1990	17.06	20.22	9/23/2009	3.91%	3/29/2021	25.50
7/11/1990	16.68	20.25	9/24/2009	3.92%	3/30/2021	25.42
7/10/1990	16.92	20.27	9/25/2009	3.92%	3/31/2021	25.34
7/9/1990	16.66	20.30	9/28/2009	3.93%	4/1/2021	25.26
7/6/1990	16.41	20.33	9/29/2009	3.94%	4/2/2021	25.18
7/5/1990	17.25	20.36	9/30/2009	3.95%	4/5/2021	25.10
7/3/1990	16.11	20.38	10/1/2009	3.95%	4/6/2021	25.02
7/2/1990	16.26	20.42	10/2/2009	3.96%	4/7/2021	24.95
6/29/1990	15.50	20.45	10/5/2009	3.97%	4/8/2021	24.87
6/28/1990	16.18	20.49	10/6/2009	3.97%	4/9/2021	24.79
6/27/1990	16.00	20.52	10/7/2009	3.98%	4/12/2021	24.71
6/26/1990	16.29	20.56	10/8/2009	3.99%	4/13/2021	24.62
6/25/1990	17.06	20.59	10/9/2009	3.99%	4/14/2021	24.55
6/22/1990	19.36	20.62	10/12/2009	4.00%	4/15/2021	24.48
6/21/1990	14.72	20.63	10/13/2009	4.01%	4/16/2021	24.42
6/20/1990	15.27	20.68	10/14/2009	4.01%	4/19/2021	24.36
6/19/1990	15.23	20.73	10/15/2009	4.02%	4/20/2021	24.32
6/18/1990	17.71	20.78	10/16/2009	4.02%	4/21/2021	24.26
6/15/1990	15.90	20.80	10/19/2009	4.03%	4/22/2021	24.21
6/14/1990	17.40	20.85	10/20/2009	4.04%	4/23/2021	24.15
6/13/1990	17.38	20.88	10/21/2009	4.04%	4/26/2021	24.10
6/12/1990	16.60	20.91	10/22/2009	4.05%	4/27/2021	24.03
6/11/1990	16.34	20.95	10/23/2009	4.06%	4/28/2021	23.97
6/8/1990	17.58	20.99	10/26/2009	4.06%	4/29/2021	23.92
6/7/1990	16.88	21.02	10/27/2009	4.07%	4/30/2021	23.87
6/6/1990	17.42	21.06	10/28/2009	4.08%	5/3/2021	23.83
6/5/1990	18.97	21.09	10/29/2009	4.08%	5/4/2021	23.81
6/4/1990	18.39	21.11	10/30/2009	4.09%	5/5/2021	23.78
6/1/1990	17.09	21.14	11/2/2009	4.09%	5/6/2021	23.75
5/31/1990	17.37	21.17	11/3/2009	4.10%	5/7/2021	23.70
5/30/1990	17.44	21.21	11/4/2009	4.10%	5/10/2021	23.67
5/29/1990	18.75	21.25	11/5/2009	4.11%	5/11/2021	23.66
5/25/1990	17.32	21.27	11/6/2009	4.11%	5/12/2021	23.67
5/24/1990	17.70	21.31	11/9/2009	4.11%	5/13/2021	23.66
5/23/1990	17.18	21.35	11/10/2009	4.12%	5/14/2021	23.64
5/22/1990	17.84	21.39	11/11/2009	4.12%	5/17/2021	23.61
5/21/1990	16.72	21.42	11/12/2009	4.13%	5/18/2021	23.60
5/18/1990	17.20	21.47	11/13/2009	4.13%	5/19/2021	23.59
5/17/1990	17.27	21.52	11/16/2009	4.13%	5/20/2021	23.58
5/16/1990	17.71	21.56	11/17/2009	4.14%	5/21/2021	23.56
5/15/1990	19.49	21.60	11/18/2009	4.14%	5/24/2021	23.55

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
5/14/1990	20.14	21.63	11/19/2009	4.14%	5/25/2021	23.53
5/11/1990	19.81	21.64	11/20/2009	4.15%	5/26/2021	23.50
5/10/1990	18.59	21.66	11/23/2009	4.15%	5/27/2021	23.47
5/9/1990	18.64	21.70	11/24/2009	4.15%	5/28/2021	23.44
5/8/1990	18.49	21.73	11/25/2009	4.16%	5/31/2021	23.41
5/7/1990	17.65	21.77	11/26/2009	4.16%	6/1/2021	23.40
5/4/1990	17.28	21.82	11/27/2009	4.16%	6/2/2021	23.38
5/3/1990	17.81	21.87	11/30/2009	4.17%	6/3/2021	23.35
5/2/1990	19.32	21.92	12/1/2009	4.17%	6/4/2021	23.32
5/1/1990	18.43	21.95	12/2/2009	4.17%	6/7/2021	23.29
4/30/1990	19.52	21.99	12/3/2009	4.18%	6/8/2021	23.27
4/27/1990	22.19	22.02	12/4/2009	4.18%	6/9/2021	23.25
4/26/1990	20.25	22.02	12/7/2009	4.18%	6/10/2021	23.21
4/25/1990	20.86	22.04	12/8/2009	4.19%	6/11/2021	23.17
4/24/1990	21.70	22.05	12/9/2009	4.19%	6/14/2021	23.13
4/23/1990	24.16	22.06	12/10/2009	4.20%	6/15/2021	23.09
4/20/1990	23.33	22.03	12/11/2009	4.20%	6/16/2021	23.05
4/19/1990	22.46	22.01	12/14/2009	4.21%	6/17/2021	23.00
4/18/1990	22.67	22.01	12/15/2009	4.21%	6/18/2021	22.94
4/17/1990	20.38	22.00	12/16/2009	4.21%	6/21/2021	22.87
4/16/1990	20.75	22.02	12/17/2009	4.22%	6/22/2021	22.80
4/12/1990	19.80	22.04	12/18/2009	4.22%	6/23/2021	22.74
4/11/1990	17.73	22.07	12/21/2009	4.23%	6/24/2021	22.67
4/10/1990	21.69	22.13	12/22/2009	4.23%	6/25/2021	22.61
4/9/1990	22.30	22.14	12/23/2009	4.24%	6/28/2021	22.56
4/6/1990	21.76	22.14	12/24/2009	4.24%	6/29/2021	22.51
4/5/1990	21.21	22.14	12/25/2009	4.25%	6/30/2021	22.46
4/4/1990	22.03	22.16	12/28/2009	4.25%	7/1/2021	22.41
4/3/1990	20.44	22.16	12/29/2009	4.26%	7/2/2021	22.35
4/2/1990	22.84	22.19	12/30/2009	4.26%	7/5/2021	22.29
3/30/1990	19.73	22.17	12/31/2009	4.27%	7/6/2021	22.24
3/29/1990	18.46	22.21	1/1/2010	4.27%	7/7/2021	22.18
3/28/1990	19.77	22.28	1/4/2010	4.28%	7/8/2021	22.13
3/27/1990	21.01	22.32	1/5/2010	4.28%	7/9/2021	22.08
3/26/1990	19.59	22.34	1/6/2010	4.29%	7/12/2021	22.03
3/23/1990	20.46	22.39	1/7/2010	4.29%	7/13/2021	21.98
3/22/1990	22.74	22.42	1/8/2010	4.30%	7/14/2021	21.93
3/21/1990	20.10	22.42	1/11/2010	4.30%	7/15/2021	21.88
3/20/1990	19.06	22.46	1/12/2010	4.31%	7/16/2021	21.84
3/19/1990	18.29	22.52	1/13/2010	4.31%	7/19/2021	21.81
3/16/1990	17.62	22.60	1/14/2010	4.32%	7/20/2021	21.76
3/15/1990	18.81	22.70	1/15/2010	4.32%	7/21/2021	21.71
3/14/1990	19.65	22.77	1/18/2010	4.33%	7/22/2021	21.67
3/13/1990	21.05	22.83	1/19/2010	4.33%	7/23/2021	21.63
3/12/1990	20.07	22.87	1/20/2010	4.33%	7/26/2021	21.59
3/9/1990	20.30	22.93	1/21/2010	4.34%	7/27/2021	21.56
3/8/1990	19.74	22.98	1/22/2010	4.34%	7/28/2021	21.52
3/7/1990	19.10	23.06	1/25/2010	4.35%	7/29/2021	21.47
3/6/1990	20.55	23.14	1/26/2010	4.35%	7/30/2021	21.42
3/5/1990	22.03	23.20	1/27/2010	4.35%	8/2/2021	21.38
3/2/1990	21.34	23.23	1/28/2010	4.36%	8/3/2021	21.32
3/1/1990	21.90	23.27	1/29/2010	4.36%	8/4/2021	21.27
2/28/1990	21.99	23.31	2/1/2010	4.36%	8/5/2021	21.21
2/27/1990	22.69	23.34	2/2/2010	4.37%	8/6/2021	21.15
2/26/1990	23.56	23.36	2/3/2010	4.37%	8/9/2021	21.08
2/23/1990	23.69	23.35	2/4/2010	4.37%	8/10/2021	20.99
2/22/1990	22.54	23.34	2/5/2010	4.38%	8/11/2021	20.87
2/21/1990	23.89	23.37	2/8/2010	4.38%	8/12/2021	20.76
2/20/1990	22.78	23.35	2/9/2010	4.38%	8/13/2021	20.65
2/16/1990	20.78	23.37	2/10/2010	4.38%	8/16/2021	20.54
2/15/1990	19.71	23.45	2/11/2010	4.38%	8/17/2021	20.46

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index	
2/14/1990	22.05	23.56	2/12/2010	4.39%	8/18/2021	20.42
2/13/1990	23.76	23.61	2/15/2010	4.39%	8/19/2021	20.39
2/12/1990	24.38	23.61	2/16/2010	4.39%	8/20/2021	20.35
2/9/1990	23.69	23.58	2/17/2010	4.39%	8/23/2021	20.31
2/8/1990	23.77	23.58	2/18/2010	4.40%	8/24/2021	20.27
2/7/1990	24.29	23.57	2/19/2010	4.40%	8/25/2021	20.24
2/6/1990	24.69	23.54	2/22/2010	4.40%	8/26/2021	20.21
2/5/1990	24.54	23.49	2/23/2010	4.41%	8/27/2021	20.17
2/2/1990	24.32	23.45	2/24/2010	4.41%	8/30/2021	20.14
2/1/1990	24.87	23.41	2/25/2010	4.41%	8/31/2021	20.11
1/31/1990	25.36	23.35	2/26/2010	4.41%	9/1/2021	20.07
1/30/1990	27.25	23.25	3/1/2010	4.41%	9/2/2021	20.04
1/29/1990	26.44	23.05	3/2/2010	4.41%	9/3/2021	20.00
1/26/1990	26.28	22.87	3/3/2010	4.41%	9/6/2021	19.97
1/25/1990	25.63	22.68	3/4/2010	4.41%	9/7/2021	19.95
1/24/1990	25.39	22.51	3/5/2010	4.41%	9/8/2021	19.94
1/23/1990	24.72	22.33	3/8/2010	4.41%	9/9/2021	19.93
1/22/1990	26.70	22.17	3/9/2010	4.41%	9/10/2021	19.93
1/19/1990	22.50	21.85	3/10/2010	4.42%	9/13/2021	19.92
1/18/1990	24.34	21.80	3/11/2010	4.42%	9/14/2021	19.91
1/17/1990	24.16	21.59	3/12/2010	4.42%	9/15/2021	19.90
1/16/1990	24.18	21.35	3/15/2010	4.42%	9/16/2021	19.89
1/15/1990	26.34	21.07	3/16/2010	4.42%	9/17/2021	19.89
1/12/1990	24.64	20.48	3/17/2010	4.41%	9/20/2021	19.91
1/11/1990	20.05	19.96	3/18/2010	4.41%	9/21/2021	19.92
1/10/1990	22.44	19.95	3/19/2010	4.41%	9/22/2021	19.91
1/9/1990	22.20	19.54	3/22/2010	4.41%	9/23/2021	19.89
1/8/1990	20.26	19.00	3/23/2010	4.41%	9/24/2021	19.86
1/5/1990	20.11	18.69	3/24/2010	4.42%	9/27/2021	19.83
1/4/1990	19.22	18.22	3/25/2010	4.42%	9/28/2021	19.84
1/3/1990	18.19	17.72	3/26/2010	4.42%	9/29/2021	19.84
1/2/1990	17.24	17.24	3/29/2010	4.42%	9/30/2021	19.85
			3/30/2010	4.42%		
			3/31/2010	4.42%		
			4/1/2010	4.42%		
			4/2/2010	4.43%		
			4/5/2010	4.43%		
			4/6/2010	4.43%		
			4/7/2010	4.43%		
			4/8/2010	4.44%		
			4/9/2010	4.44%		
			4/12/2010	4.44%		
			4/13/2010	4.44%		
			4/14/2010	4.45%		
			4/15/2010	4.45%		
			4/16/2010	4.45%		
			4/19/2010	4.45%		
			4/20/2010	4.45%		
			4/21/2010	4.45%		
			4/22/2010	4.45%		
			4/23/2010	4.46%		
			4/26/2010	4.46%		
			4/27/2010	4.46%		
			4/28/2010	4.46%		
			4/29/2010	4.46%		
			4/30/2010	4.46%		
			5/3/2010	4.46%		
			5/4/2010	4.46%		
			5/5/2010	4.46%		
			5/6/2010	4.46%		
			5/7/2010	4.46%		

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			5/10/2010	4.46%	
			5/11/2010	4.46%	
			5/12/2010	4.45%	
			5/13/2010	4.45%	
			5/14/2010	4.45%	
			5/17/2010	4.45%	
			5/18/2010	4.45%	
			5/19/2010	4.45%	
			5/20/2010	4.45%	
			5/21/2010	4.45%	
			5/24/2010	4.44%	
			5/25/2010	4.44%	
			5/26/2010	4.44%	
			5/27/2010	4.44%	
			5/28/2010	4.44%	
			5/31/2010	4.44%	
			6/1/2010	4.44%	
			6/2/2010	4.44%	
			6/3/2010	4.44%	
			6/4/2010	4.44%	
			6/7/2010	4.44%	
			6/8/2010	4.44%	
			6/9/2010	4.44%	
			6/10/2010	4.44%	
			6/11/2010	4.44%	
			6/14/2010	4.44%	
			6/15/2010	4.44%	
			6/16/2010	4.44%	
			6/17/2010	4.44%	
			6/18/2010	4.44%	
			6/21/2010	4.44%	
			6/22/2010	4.44%	
			6/23/2010	4.44%	
			6/24/2010	4.44%	
			6/25/2010	4.43%	
			6/28/2010	4.43%	
			6/29/2010	4.43%	
			6/30/2010	4.43%	
			7/1/2010	4.43%	
			7/2/2010	4.43%	
			7/5/2010	4.43%	
			7/6/2010	4.43%	
			7/7/2010	4.43%	
			7/8/2010	4.43%	
			7/9/2010	4.43%	
			7/12/2010	4.43%	
			7/13/2010	4.43%	
			7/14/2010	4.43%	
			7/15/2010	4.43%	
			7/16/2010	4.43%	
			7/19/2010	4.42%	
			7/20/2010	4.42%	
			7/21/2010	4.42%	
			7/22/2010	4.42%	
			7/23/2010	4.42%	
			7/26/2010	4.42%	
			7/27/2010	4.42%	
			7/28/2010	4.42%	
			7/29/2010	4.42%	
			7/30/2010	4.41%	
			8/2/2010	4.41%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		8/3/2010	4.41%	
		8/4/2010	4.41%	
		8/5/2010	4.41%	
		8/6/2010	4.41%	
		8/9/2010	4.41%	
		8/10/2010	4.41%	
		8/11/2010	4.40%	
		8/12/2010	4.40%	
		8/13/2010	4.40%	
		8/16/2010	4.39%	
		8/17/2010	4.39%	
		8/18/2010	4.39%	
		8/19/2010	4.38%	
		8/20/2010	4.38%	
		8/23/2010	4.38%	
		8/24/2010	4.37%	
		8/25/2010	4.37%	
		8/26/2010	4.37%	
		8/27/2010	4.36%	
		8/30/2010	4.36%	
		8/31/2010	4.36%	
		9/1/2010	4.35%	
		9/2/2010	4.35%	
		9/3/2010	4.35%	
		9/6/2010	4.35%	
		9/7/2010	4.34%	
		9/8/2010	4.34%	
		9/9/2010	4.34%	
		9/10/2010	4.34%	
		9/13/2010	4.33%	
		9/14/2010	4.33%	
		9/15/2010	4.33%	
		9/16/2010	4.33%	
		9/17/2010	4.32%	
		9/20/2010	4.32%	
		9/21/2010	4.32%	
		9/22/2010	4.31%	
		9/23/2010	4.31%	
		9/24/2010	4.30%	
		9/27/2010	4.30%	
		9/28/2010	4.30%	
		9/29/2010	4.29%	
		9/30/2010	4.29%	
		10/1/2010	4.28%	
		10/4/2010	4.28%	
		10/5/2010	4.27%	
		10/6/2010	4.27%	
		10/7/2010	4.26%	
		10/8/2010	4.26%	
		10/11/2010	4.25%	
		10/12/2010	4.25%	
		10/13/2010	4.25%	
		10/14/2010	4.24%	
		10/15/2010	4.24%	
		10/18/2010	4.23%	
		10/19/2010	4.23%	
		10/20/2010	4.23%	
		10/21/2010	4.22%	
		10/22/2010	4.22%	
		10/25/2010	4.22%	
		10/26/2010	4.21%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			10/27/2010	4.21%	
			10/28/2010	4.21%	
			10/29/2010	4.21%	
			11/1/2010	4.20%	
			11/2/2010	4.20%	
			11/3/2010	4.20%	
			11/4/2010	4.20%	
			11/5/2010	4.19%	
			11/8/2010	4.19%	
			11/9/2010	4.19%	
			11/10/2010	4.19%	
			11/11/2010	4.19%	
			11/12/2010	4.18%	
			11/15/2010	4.18%	
			11/16/2010	4.18%	
			11/17/2010	4.18%	
			11/18/2010	4.18%	
			11/19/2010	4.18%	
			11/22/2010	4.18%	
			11/23/2010	4.17%	
			11/24/2010	4.17%	
			11/25/2010	4.17%	
			11/26/2010	4.17%	
			11/29/2010	4.16%	
			11/30/2010	4.16%	
			12/1/2010	4.16%	
			12/2/2010	4.16%	
			12/3/2010	4.16%	
			12/6/2010	4.15%	
			12/7/2010	4.15%	
			12/8/2010	4.15%	
			12/9/2010	4.15%	
			12/10/2010	4.15%	
			12/13/2010	4.15%	
			12/14/2010	4.15%	
			12/15/2010	4.15%	
			12/16/2010	4.15%	
			12/17/2010	4.15%	
			12/20/2010	4.15%	
			12/21/2010	4.14%	
			12/22/2010	4.14%	
			12/23/2010	4.14%	
			12/24/2010	4.14%	
			12/27/2010	4.14%	
			12/28/2010	4.14%	
			12/29/2010	4.14%	
			12/30/2010	4.14%	
			12/31/2010	4.14%	
			1/3/2011	4.13%	
			1/4/2011	4.13%	
			1/5/2011	4.13%	
			1/6/2011	4.13%	
			1/7/2011	4.13%	
			1/10/2011	4.13%	
			1/11/2011	4.13%	
			1/12/2011	4.12%	
			1/13/2011	4.12%	
			1/14/2011	4.12%	
			1/17/2011	4.12%	
			1/18/2011	4.12%	
			1/19/2011	4.12%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			1/20/2011	4.12%	
			1/21/2011	4.12%	
			1/24/2011	4.12%	
			1/25/2011	4.12%	
			1/26/2011	4.12%	
			1/27/2011	4.12%	
			1/28/2011	4.12%	
			1/31/2011	4.12%	
			2/1/2011	4.12%	
			2/2/2011	4.12%	
			2/3/2011	4.12%	
			2/4/2011	4.12%	
			2/7/2011	4.12%	
			2/8/2011	4.12%	
			2/9/2011	4.12%	
			2/10/2011	4.12%	
			2/11/2011	4.13%	
			2/14/2011	4.13%	
			2/15/2011	4.13%	
			2/16/2011	4.13%	
			2/17/2011	4.13%	
			2/18/2011	4.13%	
			2/21/2011	4.13%	
			2/22/2011	4.14%	
			2/23/2011	4.14%	
			2/24/2011	4.14%	
			2/25/2011	4.14%	
			2/28/2011	4.14%	
			3/1/2011	4.15%	
			3/2/2011	4.15%	
			3/3/2011	4.15%	
			3/4/2011	4.15%	
			3/7/2011	4.15%	
			3/8/2011	4.16%	
			3/9/2011	4.16%	
			3/10/2011	4.16%	
			3/11/2011	4.16%	
			3/14/2011	4.16%	
			3/15/2011	4.17%	
			3/16/2011	4.17%	
			3/17/2011	4.17%	
			3/18/2011	4.17%	
			3/21/2011	4.17%	
			3/22/2011	4.17%	
			3/23/2011	4.17%	
			3/24/2011	4.18%	
			3/25/2011	4.18%	
			3/28/2011	4.18%	
			3/29/2011	4.18%	
			3/30/2011	4.18%	
			3/31/2011	4.19%	
			4/1/2011	4.19%	
			4/4/2011	4.19%	
			4/5/2011	4.19%	
			4/6/2011	4.20%	
			4/7/2011	4.20%	
			4/8/2011	4.20%	
			4/11/2011	4.21%	
			4/12/2011	4.21%	
			4/13/2011	4.21%	
			4/14/2011	4.22%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			4/15/2011	4.22%	
			4/18/2011	4.22%	
			4/19/2011	4.22%	
			4/20/2011	4.22%	
			4/21/2011	4.23%	
			4/22/2011	4.23%	
			4/25/2011	4.23%	
			4/26/2011	4.23%	
			4/27/2011	4.24%	
			4/28/2011	4.24%	
			4/29/2011	4.24%	
			5/2/2011	4.24%	
			5/3/2011	4.24%	
			5/4/2011	4.24%	
			5/5/2011	4.25%	
			5/6/2011	4.25%	
			5/9/2011	4.25%	
			5/10/2011	4.25%	
			5/11/2011	4.25%	
			5/12/2011	4.25%	
			5/13/2011	4.25%	
			5/16/2011	4.26%	
			5/17/2011	4.26%	
			5/18/2011	4.26%	
			5/19/2011	4.26%	
			5/20/2011	4.26%	
			5/23/2011	4.27%	
			5/24/2011	4.27%	
			5/25/2011	4.27%	
			5/26/2011	4.27%	
			5/27/2011	4.28%	
			5/30/2011	4.28%	
			5/31/2011	4.28%	
			6/1/2011	4.29%	
			6/2/2011	4.29%	
			6/3/2011	4.29%	
			6/6/2011	4.29%	
			6/7/2011	4.30%	
			6/8/2011	4.30%	
			6/9/2011	4.30%	
			6/10/2011	4.31%	
			6/13/2011	4.31%	
			6/14/2011	4.31%	
			6/15/2011	4.31%	
			6/16/2011	4.32%	
			6/17/2011	4.32%	
			6/20/2011	4.32%	
			6/21/2011	4.32%	
			6/22/2011	4.32%	
			6/23/2011	4.32%	
			6/24/2011	4.32%	
			6/27/2011	4.33%	
			6/28/2011	4.33%	
			6/29/2011	4.33%	
			6/30/2011	4.34%	
			7/1/2011	4.34%	
			7/4/2011	4.34%	
			7/5/2011	4.35%	
			7/6/2011	4.35%	
			7/7/2011	4.35%	
			7/8/2011	4.36%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			7/11/2011	4.36%	
			7/12/2011	4.36%	
			7/13/2011	4.36%	
			7/14/2011	4.37%	
			7/15/2011	4.37%	
			7/18/2011	4.37%	
			7/19/2011	4.37%	
			7/20/2011	4.37%	
			7/21/2011	4.38%	
			7/22/2011	4.38%	
			7/25/2011	4.38%	
			7/26/2011	4.38%	
			7/27/2011	4.38%	
			7/28/2011	4.39%	
			7/29/2011	4.39%	
			8/1/2011	4.39%	
			8/2/2011	4.39%	
			8/3/2011	4.39%	
			8/4/2011	4.38%	
			8/5/2011	4.38%	
			8/8/2011	4.38%	
			8/9/2011	4.38%	
			8/10/2011	4.38%	
			8/11/2011	4.38%	
			8/12/2011	4.37%	
			8/15/2011	4.37%	
			8/16/2011	4.37%	
			8/17/2011	4.37%	
			8/18/2011	4.36%	
			8/19/2011	4.36%	
			8/22/2011	4.35%	
			8/23/2011	4.35%	
			8/24/2011	4.35%	
			8/25/2011	4.34%	
			8/26/2011	4.34%	
			8/29/2011	4.34%	
			8/30/2011	4.33%	
			8/31/2011	4.33%	
			9/1/2011	4.32%	
			9/2/2011	4.32%	
			9/5/2011	4.32%	
			9/6/2011	4.31%	
			9/7/2011	4.31%	
			9/8/2011	4.30%	
			9/9/2011	4.30%	
			9/12/2011	4.29%	
			9/13/2011	4.29%	
			9/14/2011	4.28%	
			9/15/2011	4.28%	
			9/16/2011	4.27%	
			9/19/2011	4.26%	
			9/20/2011	4.26%	
			9/21/2011	4.25%	
			9/22/2011	4.24%	
			9/23/2011	4.23%	
			9/26/2011	4.23%	
			9/27/2011	4.22%	
			9/28/2011	4.21%	
			9/29/2011	4.21%	
			9/30/2011	4.20%	
			10/3/2011	4.19%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			10/4/2011	4.18%	
			10/5/2011	4.17%	
			10/6/2011	4.17%	
			10/7/2011	4.16%	
			10/10/2011	4.15%	
			10/11/2011	4.15%	
			10/12/2011	4.14%	
			10/13/2011	4.13%	
			10/14/2011	4.13%	
			10/17/2011	4.12%	
			10/18/2011	4.11%	
			10/19/2011	4.11%	
			10/20/2011	4.10%	
			10/21/2011	4.09%	
			10/24/2011	4.09%	
			10/25/2011	4.08%	
			10/26/2011	4.07%	
			10/27/2011	4.07%	
			10/28/2011	4.06%	
			10/31/2011	4.05%	
			11/1/2011	4.05%	
			11/2/2011	4.04%	
			11/3/2011	4.03%	
			11/4/2011	4.02%	
			11/7/2011	4.02%	
			11/8/2011	4.01%	
			11/9/2011	4.00%	
			11/10/2011	3.99%	
			11/11/2011	3.99%	
			11/14/2011	3.98%	
			11/15/2011	3.97%	
			11/16/2011	3.96%	
			11/17/2011	3.95%	
			11/18/2011	3.94%	
			11/21/2011	3.94%	
			11/22/2011	3.93%	
			11/23/2011	3.92%	
			11/24/2011	3.91%	
			11/25/2011	3.90%	
			11/28/2011	3.89%	
			11/29/2011	3.88%	
			11/30/2011	3.87%	
			12/1/2011	3.87%	
			12/2/2011	3.86%	
			12/5/2011	3.85%	
			12/6/2011	3.85%	
			12/7/2011	3.84%	
			12/8/2011	3.83%	
			12/9/2011	3.82%	
			12/12/2011	3.81%	
			12/13/2011	3.81%	
			12/14/2011	3.80%	
			12/15/2011	3.79%	
			12/16/2011	3.78%	
			12/19/2011	3.77%	
			12/20/2011	3.76%	
			12/21/2011	3.76%	
			12/22/2011	3.75%	
			12/23/2011	3.74%	
			12/26/2011	3.74%	
			12/27/2011	3.73%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			12/28/2011	3.72%	
			12/29/2011	3.71%	
			12/30/2011	3.71%	
			1/2/2012	3.70%	
			1/3/2012	3.69%	
			1/4/2012	3.68%	
			1/5/2012	3.68%	
			1/6/2012	3.67%	
			1/9/2012	3.66%	
			1/10/2012	3.65%	
			1/11/2012	3.65%	
			1/12/2012	3.64%	
			1/13/2012	3.63%	
			1/16/2012	3.62%	
			1/17/2012	3.61%	
			1/18/2012	3.60%	
			1/19/2012	3.60%	
			1/20/2012	3.59%	
			1/23/2012	3.58%	
			1/24/2012	3.58%	
			1/25/2012	3.57%	
			1/26/2012	3.56%	
			1/27/2012	3.56%	
			1/30/2012	3.55%	
			1/31/2012	3.54%	
			2/1/2012	3.53%	
			2/2/2012	3.53%	
			2/3/2012	3.52%	
			2/6/2012	3.51%	
			2/7/2012	3.51%	
			2/8/2012	3.50%	
			2/9/2012	3.50%	
			2/10/2012	3.49%	
			2/13/2012	3.49%	
			2/14/2012	3.48%	
			2/15/2012	3.47%	
			2/16/2012	3.47%	
			2/17/2012	3.46%	
			2/20/2012	3.46%	
			2/21/2012	3.45%	
			2/22/2012	3.44%	
			2/23/2012	3.44%	
			2/24/2012	3.43%	
			2/27/2012	3.43%	
			2/28/2012	3.42%	
			2/29/2012	3.41%	
			3/1/2012	3.41%	
			3/2/2012	3.40%	
			3/5/2012	3.40%	
			3/6/2012	3.39%	
			3/7/2012	3.39%	
			3/8/2012	3.38%	
			3/9/2012	3.38%	
			3/12/2012	3.37%	
			3/13/2012	3.37%	
			3/14/2012	3.36%	
			3/15/2012	3.36%	
			3/16/2012	3.35%	
			3/19/2012	3.35%	
			3/20/2012	3.35%	
			3/21/2012	3.34%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			3/22/2012	3.34%	
			3/23/2012	3.33%	
			3/26/2012	3.33%	
			3/27/2012	3.33%	
			3/28/2012	3.32%	
			3/29/2012	3.32%	
			3/30/2012	3.31%	
			4/2/2012	3.31%	
			4/3/2012	3.30%	
			4/4/2012	3.30%	
			4/5/2012	3.29%	
			4/6/2012	3.29%	
			4/9/2012	3.28%	
			4/10/2012	3.27%	
			4/11/2012	3.27%	
			4/12/2012	3.26%	
			4/13/2012	3.26%	
			4/16/2012	3.25%	
			4/17/2012	3.25%	
			4/18/2012	3.24%	
			4/19/2012	3.24%	
			4/20/2012	3.23%	
			4/23/2012	3.22%	
			4/24/2012	3.22%	
			4/25/2012	3.21%	
			4/26/2012	3.21%	
			4/27/2012	3.20%	
			4/30/2012	3.20%	
			5/1/2012	3.19%	
			5/2/2012	3.18%	
			5/3/2012	3.18%	
			5/4/2012	3.17%	
			5/7/2012	3.17%	
			5/8/2012	3.16%	
			5/9/2012	3.16%	
			5/10/2012	3.16%	
			5/11/2012	3.15%	
			5/14/2012	3.15%	
			5/15/2012	3.14%	
			5/16/2012	3.14%	
			5/17/2012	3.14%	
			5/18/2012	3.13%	
			5/21/2012	3.13%	
			5/22/2012	3.12%	
			5/23/2012	3.12%	
			5/24/2012	3.12%	
			5/25/2012	3.11%	
			5/28/2012	3.11%	
			5/29/2012	3.11%	
			5/30/2012	3.10%	
			5/31/2012	3.10%	
			6/1/2012	3.09%	
			6/4/2012	3.09%	
			6/5/2012	3.08%	
			6/6/2012	3.08%	
			6/7/2012	3.08%	
			6/8/2012	3.07%	
			6/11/2012	3.07%	
			6/12/2012	3.07%	
			6/13/2012	3.06%	
			6/14/2012	3.06%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			6/15/2012	3.06%	
			6/18/2012	3.06%	
			6/19/2012	3.05%	
			6/20/2012	3.05%	
			6/21/2012	3.05%	
			6/22/2012	3.04%	
			6/25/2012	3.04%	
			6/26/2012	3.04%	
			6/27/2012	3.04%	
			6/28/2012	3.04%	
			6/29/2012	3.04%	
			7/2/2012	3.03%	
			7/3/2012	3.03%	
			7/4/2012	3.03%	
			7/5/2012	3.03%	
			7/6/2012	3.03%	
			7/9/2012	3.03%	
			7/10/2012	3.03%	
			7/11/2012	3.03%	
			7/12/2012	3.02%	
			7/13/2012	3.02%	
			7/16/2012	3.02%	
			7/17/2012	3.02%	
			7/18/2012	3.01%	
			7/19/2012	3.01%	
			7/20/2012	3.01%	
			7/23/2012	3.00%	
			7/24/2012	3.00%	
			7/25/2012	3.00%	
			7/26/2012	2.99%	
			7/27/2012	2.99%	
			7/30/2012	2.99%	
			7/31/2012	2.98%	
			8/1/2012	2.98%	
			8/2/2012	2.98%	
			8/3/2012	2.97%	
			8/6/2012	2.97%	
			8/7/2012	2.97%	
			8/8/2012	2.97%	
			8/9/2012	2.97%	
			8/10/2012	2.96%	
			8/13/2012	2.96%	
			8/14/2012	2.96%	
			8/15/2012	2.96%	
			8/16/2012	2.96%	
			8/17/2012	2.96%	
			8/20/2012	2.96%	
			8/21/2012	2.96%	
			8/22/2012	2.96%	
			8/23/2012	2.95%	
			8/24/2012	2.95%	
			8/27/2012	2.95%	
			8/28/2012	2.95%	
			8/29/2012	2.95%	
			8/30/2012	2.95%	
			8/31/2012	2.95%	
			9/3/2012	2.95%	
			9/4/2012	2.95%	
			9/5/2012	2.95%	
			9/6/2012	2.94%	
			9/7/2012	2.94%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		9/10/2012	2.94%	
		9/11/2012	2.94%	
		9/12/2012	2.94%	
		9/13/2012	2.94%	
		9/14/2012	2.94%	
		9/17/2012	2.94%	
		9/18/2012	2.94%	
		9/19/2012	2.94%	
		9/20/2012	2.94%	
		9/21/2012	2.94%	
		9/24/2012	2.94%	
		9/25/2012	2.94%	
		9/26/2012	2.94%	
		9/27/2012	2.94%	
		9/28/2012	2.94%	
		10/1/2012	2.94%	
		10/2/2012	2.94%	
		10/3/2012	2.93%	
		10/4/2012	2.93%	
		10/5/2012	2.93%	
		10/8/2012	2.94%	
		10/9/2012	2.94%	
		10/10/2012	2.93%	
		10/11/2012	2.93%	
		10/12/2012	2.93%	
		10/15/2012	2.93%	
		10/16/2012	2.93%	
		10/17/2012	2.93%	
		10/18/2012	2.93%	
		10/19/2012	2.93%	
		10/22/2012	2.93%	
		10/23/2012	2.93%	
		10/24/2012	2.93%	
		10/25/2012	2.93%	
		10/26/2012	2.93%	
		10/29/2012	2.93%	
		10/30/2012	2.93%	
		10/31/2012	2.93%	
		11/1/2012	2.93%	
		11/2/2012	2.92%	
		11/5/2012	2.92%	
		11/6/2012	2.92%	
		11/7/2012	2.92%	
		11/8/2012	2.92%	
		11/9/2012	2.92%	
		11/12/2012	2.92%	
		11/13/2012	2.92%	
		11/14/2012	2.91%	
		11/15/2012	2.91%	
		11/16/2012	2.91%	
		11/19/2012	2.91%	
		11/20/2012	2.91%	
		11/21/2012	2.91%	
		11/22/2012	2.90%	
		11/23/2012	2.90%	
		11/26/2012	2.90%	
		11/27/2012	2.90%	
		11/28/2012	2.90%	
		11/29/2012	2.89%	
		11/30/2012	2.89%	
		12/3/2012	2.89%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			12/4/2012	2.89%	
			12/5/2012	2.89%	
			12/6/2012	2.89%	
			12/7/2012	2.89%	
			12/10/2012	2.88%	
			12/11/2012	2.88%	
			12/12/2012	2.88%	
			12/13/2012	2.88%	
			12/14/2012	2.88%	
			12/17/2012	2.88%	
			12/18/2012	2.88%	
			12/19/2012	2.87%	
			12/20/2012	2.87%	
			12/21/2012	2.87%	
			12/24/2012	2.87%	
			12/25/2012	2.86%	
			12/26/2012	2.86%	
			12/27/2012	2.86%	
			12/28/2012	2.86%	
			12/31/2012	2.86%	
			1/1/2013	2.85%	
			1/2/2013	2.85%	
			1/3/2013	2.85%	
			1/4/2013	2.85%	
			1/7/2013	2.85%	
			1/8/2013	2.85%	
			1/9/2013	2.85%	
			1/10/2013	2.85%	
			1/11/2013	2.84%	
			1/14/2013	2.84%	
			1/15/2013	2.84%	
			1/16/2013	2.84%	
			1/17/2013	2.84%	
			1/18/2013	2.84%	
			1/21/2013	2.84%	
			1/22/2013	2.84%	
			1/23/2013	2.84%	
			1/24/2013	2.84%	
			1/25/2013	2.84%	
			1/28/2013	2.84%	
			1/29/2013	2.84%	
			1/30/2013	2.84%	
			1/31/2013	2.84%	
			2/1/2013	2.84%	
			2/4/2013	2.84%	
			2/5/2013	2.84%	
			2/6/2013	2.84%	
			2/7/2013	2.84%	
			2/8/2013	2.84%	
			2/11/2013	2.84%	
			2/12/2013	2.84%	
			2/13/2013	2.84%	
			2/14/2013	2.84%	
			2/15/2013	2.85%	
			2/18/2013	2.85%	
			2/19/2013	2.85%	
			2/20/2013	2.85%	
			2/21/2013	2.85%	
			2/22/2013	2.85%	
			2/25/2013	2.85%	
			2/26/2013	2.86%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			2/27/2013	2.86%	
			2/28/2013	2.86%	
			3/1/2013	2.86%	
			3/4/2013	2.86%	
			3/5/2013	2.86%	
			3/6/2013	2.86%	
			3/7/2013	2.87%	
			3/8/2013	2.87%	
			3/11/2013	2.87%	
			3/12/2013	2.88%	
			3/13/2013	2.88%	
			3/14/2013	2.88%	
			3/15/2013	2.88%	
			3/18/2013	2.89%	
			3/19/2013	2.89%	
			3/20/2013	2.89%	
			3/21/2013	2.89%	
			3/22/2013	2.90%	
			3/25/2013	2.90%	
			3/26/2013	2.90%	
			3/27/2013	2.90%	
			3/28/2013	2.90%	
			3/29/2013	2.91%	
			4/1/2013	2.91%	
			4/2/2013	2.91%	
			4/3/2013	2.91%	
			4/4/2013	2.91%	
			4/5/2013	2.91%	
			4/8/2013	2.91%	
			4/9/2013	2.92%	
			4/10/2013	2.92%	
			4/11/2013	2.92%	
			4/12/2013	2.92%	
			4/15/2013	2.92%	
			4/16/2013	2.92%	
			4/17/2013	2.92%	
			4/18/2013	2.92%	
			4/19/2013	2.93%	
			4/22/2013	2.93%	
			4/23/2013	2.93%	
			4/24/2013	2.93%	
			4/25/2013	2.93%	
			4/26/2013	2.93%	
			4/29/2013	2.94%	
			4/30/2013	2.94%	
			5/1/2013	2.94%	
			5/2/2013	2.94%	
			5/3/2013	2.94%	
			5/6/2013	2.94%	
			5/7/2013	2.95%	
			5/8/2013	2.95%	
			5/9/2013	2.95%	
			5/10/2013	2.95%	
			5/13/2013	2.96%	
			5/14/2013	2.96%	
			5/15/2013	2.96%	
			5/16/2013	2.96%	
			5/17/2013	2.96%	
			5/20/2013	2.97%	
			5/21/2013	2.97%	
			5/22/2013	2.97%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			5/23/2013	2.97%	
			5/24/2013	2.97%	
			5/27/2013	2.97%	
			5/28/2013	2.97%	
			5/29/2013	2.98%	
			5/30/2013	2.98%	
			5/31/2013	2.98%	
			6/3/2013	2.98%	
			6/4/2013	2.99%	
			6/5/2013	2.99%	
			6/6/2013	2.99%	
			6/7/2013	3.00%	
			6/10/2013	3.00%	
			6/11/2013	3.00%	
			6/12/2013	3.01%	
			6/13/2013	3.01%	
			6/14/2013	3.01%	
			6/17/2013	3.01%	
			6/18/2013	3.02%	
			6/19/2013	3.02%	
			6/20/2013	3.02%	
			6/21/2013	3.02%	
			6/24/2013	3.03%	
			6/25/2013	3.03%	
			6/26/2013	3.03%	
			6/27/2013	3.04%	
			6/28/2013	3.04%	
			7/1/2013	3.04%	
			7/2/2013	3.04%	
			7/3/2013	3.05%	
			7/4/2013	3.05%	
			7/5/2013	3.06%	
			7/8/2013	3.06%	
			7/9/2013	3.06%	
			7/10/2013	3.07%	
			7/11/2013	3.07%	
			7/12/2013	3.07%	
			7/15/2013	3.08%	
			7/16/2013	3.08%	
			7/17/2013	3.08%	
			7/18/2013	3.09%	
			7/19/2013	3.09%	
			7/22/2013	3.10%	
			7/23/2013	3.10%	
			7/24/2013	3.10%	
			7/25/2013	3.11%	
			7/26/2013	3.11%	
			7/29/2013	3.11%	
			7/30/2013	3.12%	
			7/31/2013	3.12%	
			8/1/2013	3.12%	
			8/2/2013	3.13%	
			8/5/2013	3.13%	
			8/6/2013	3.14%	
			8/7/2013	3.14%	
			8/8/2013	3.14%	
			8/9/2013	3.15%	
			8/12/2013	3.15%	
			8/13/2013	3.16%	
			8/14/2013	3.16%	
			8/15/2013	3.17%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			8/16/2013	3.17%	
			8/19/2013	3.18%	
			8/20/2013	3.18%	
			8/21/2013	3.19%	
			8/22/2013	3.19%	
			8/23/2013	3.20%	
			8/26/2013	3.20%	
			8/27/2013	3.21%	
			8/28/2013	3.21%	
			8/29/2013	3.22%	
			8/30/2013	3.22%	
			9/2/2013	3.23%	
			9/3/2013	3.23%	
			9/4/2013	3.24%	
			9/5/2013	3.24%	
			9/6/2013	3.25%	
			9/9/2013	3.25%	
			9/10/2013	3.26%	
			9/11/2013	3.26%	
			9/12/2013	3.27%	
			9/13/2013	3.27%	
			9/16/2013	3.28%	
			9/17/2013	3.28%	
			9/18/2013	3.29%	
			9/19/2013	3.29%	
			9/20/2013	3.30%	
			9/23/2013	3.30%	
			9/24/2013	3.31%	
			9/25/2013	3.31%	
			9/26/2013	3.31%	
			9/27/2013	3.32%	
			9/30/2013	3.32%	
			10/1/2013	3.32%	
			10/2/2013	3.33%	
			10/3/2013	3.33%	
			10/4/2013	3.34%	
			10/7/2013	3.34%	
			10/8/2013	3.34%	
			10/9/2013	3.35%	
			10/10/2013	3.35%	
			10/11/2013	3.35%	
			10/14/2013	3.36%	
			10/15/2013	3.36%	
			10/16/2013	3.36%	
			10/17/2013	3.37%	
			10/18/2013	3.37%	
			10/21/2013	3.37%	
			10/22/2013	3.37%	
			10/23/2013	3.38%	
			10/24/2013	3.38%	
			10/25/2013	3.38%	
			10/28/2013	3.39%	
			10/29/2013	3.39%	
			10/30/2013	3.39%	
			10/31/2013	3.40%	
			11/1/2013	3.40%	
			11/4/2013	3.40%	
			11/5/2013	3.40%	
			11/6/2013	3.41%	
			11/7/2013	3.41%	
			11/8/2013	3.41%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			11/11/2013	3.42%	
			11/12/2013	3.42%	
			11/13/2013	3.42%	
			11/14/2013	3.43%	
			11/15/2013	3.43%	
			11/18/2013	3.43%	
			11/19/2013	3.43%	
			11/20/2013	3.44%	
			11/21/2013	3.44%	
			11/22/2013	3.44%	
			11/25/2013	3.45%	
			11/26/2013	3.45%	
			11/27/2013	3.45%	
			11/28/2013	3.46%	
			11/29/2013	3.46%	
			12/2/2013	3.46%	
			12/3/2013	3.47%	
			12/4/2013	3.47%	
			12/5/2013	3.48%	
			12/6/2013	3.48%	
			12/9/2013	3.48%	
			12/10/2013	3.49%	
			12/11/2013	3.49%	
			12/12/2013	3.50%	
			12/13/2013	3.50%	
			12/16/2013	3.50%	
			12/17/2013	3.51%	
			12/18/2013	3.51%	
			12/19/2013	3.51%	
			12/20/2013	3.52%	
			12/23/2013	3.52%	
			12/24/2013	3.52%	
			12/25/2013	3.53%	
			12/26/2013	3.53%	
			12/27/2013	3.53%	
			12/30/2013	3.54%	
			12/31/2013	3.54%	
			1/1/2014	3.55%	
			1/2/2014	3.55%	
			1/3/2014	3.55%	
			1/6/2014	3.56%	
			1/7/2014	3.56%	
			1/8/2014	3.57%	
			1/9/2014	3.57%	
			1/10/2014	3.58%	
			1/13/2014	3.58%	
			1/14/2014	3.58%	
			1/15/2014	3.59%	
			1/16/2014	3.59%	
			1/17/2014	3.60%	
			1/20/2014	3.60%	
			1/21/2014	3.60%	
			1/22/2014	3.61%	
			1/23/2014	3.61%	
			1/24/2014	3.62%	
			1/27/2014	3.62%	
			1/28/2014	3.62%	
			1/29/2014	3.63%	
			1/30/2014	3.63%	
			1/31/2014	3.64%	
			2/3/2014	3.64%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			2/4/2014	3.64%	
			2/5/2014	3.65%	
			2/6/2014	3.65%	
			2/7/2014	3.65%	
			2/10/2014	3.66%	
			2/11/2014	3.66%	
			2/12/2014	3.67%	
			2/13/2014	3.67%	
			2/14/2014	3.67%	
			2/17/2014	3.67%	
			2/18/2014	3.68%	
			2/19/2014	3.68%	
			2/20/2014	3.68%	
			2/21/2014	3.69%	
			2/24/2014	3.69%	
			2/25/2014	3.69%	
			2/26/2014	3.69%	
			2/27/2014	3.69%	
			2/28/2014	3.70%	
			3/3/2014	3.70%	
			3/4/2014	3.70%	
			3/5/2014	3.70%	
			3/6/2014	3.70%	
			3/7/2014	3.71%	
			3/10/2014	3.71%	
			3/11/2014	3.71%	
			3/12/2014	3.71%	
			3/13/2014	3.71%	
			3/14/2014	3.72%	
			3/17/2014	3.72%	
			3/18/2014	3.72%	
			3/19/2014	3.72%	
			3/20/2014	3.72%	
			3/21/2014	3.72%	
			3/24/2014	3.72%	
			3/25/2014	3.73%	
			3/26/2014	3.73%	
			3/27/2014	3.73%	
			3/28/2014	3.73%	
			3/31/2014	3.73%	
			4/1/2014	3.73%	
			4/2/2014	3.73%	
			4/3/2014	3.73%	
			4/4/2014	3.73%	
			4/7/2014	3.73%	
			4/8/2014	3.73%	
			4/9/2014	3.73%	
			4/10/2014	3.73%	
			4/11/2014	3.73%	
			4/14/2014	3.73%	
			4/15/2014	3.73%	
			4/16/2014	3.72%	
			4/17/2014	3.72%	
			4/18/2014	3.72%	
			4/21/2014	3.72%	
			4/22/2014	3.72%	
			4/23/2014	3.72%	
			4/24/2014	3.72%	
			4/25/2014	3.72%	
			4/28/2014	3.72%	
			4/29/2014	3.72%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			4/30/2014	3.72%	
			5/1/2014	3.72%	
			5/2/2014	3.72%	
			5/5/2014	3.72%	
			5/6/2014	3.71%	
			5/7/2014	3.71%	
			5/8/2014	3.71%	
			5/9/2014	3.71%	
			5/12/2014	3.71%	
			5/13/2014	3.71%	
			5/14/2014	3.71%	
			5/15/2014	3.70%	
			5/16/2014	3.70%	
			5/19/2014	3.70%	
			5/20/2014	3.70%	
			5/21/2014	3.70%	
			5/22/2014	3.70%	
			5/23/2014	3.69%	
			5/26/2014	3.69%	
			5/27/2014	3.69%	
			5/28/2014	3.69%	
			5/29/2014	3.68%	
			5/30/2014	3.68%	
			6/2/2014	3.68%	
			6/3/2014	3.68%	
			6/4/2014	3.68%	
			6/5/2014	3.67%	
			6/6/2014	3.67%	
			6/9/2014	3.67%	
			6/10/2014	3.67%	
			6/11/2014	3.67%	
			6/12/2014	3.67%	
			6/13/2014	3.66%	
			6/16/2014	3.66%	
			6/17/2014	3.66%	
			6/18/2014	3.66%	
			6/19/2014	3.66%	
			6/20/2014	3.65%	
			6/23/2014	3.65%	
			6/24/2014	3.65%	
			6/25/2014	3.65%	
			6/26/2014	3.64%	
			6/27/2014	3.64%	
			6/30/2014	3.64%	
			7/1/2014	3.64%	
			7/2/2014	3.64%	
			7/3/2014	3.64%	
			7/4/2014	3.64%	
			7/7/2014	3.64%	
			7/8/2014	3.63%	
			7/9/2014	3.63%	
			7/10/2014	3.63%	
			7/11/2014	3.63%	
			7/14/2014	3.63%	
			7/15/2014	3.63%	
			7/16/2014	3.62%	
			7/17/2014	3.62%	
			7/18/2014	3.62%	
			7/21/2014	3.62%	
			7/22/2014	3.61%	
			7/23/2014	3.61%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		7/24/2014	3.61%	
		7/25/2014	3.61%	
		7/28/2014	3.61%	
		7/29/2014	3.60%	
		7/30/2014	3.60%	
		7/31/2014	3.60%	
		8/1/2014	3.60%	
		8/4/2014	3.60%	
		8/5/2014	3.60%	
		8/6/2014	3.59%	
		8/7/2014	3.59%	
		8/8/2014	3.59%	
		8/11/2014	3.59%	
		8/12/2014	3.58%	
		8/13/2014	3.58%	
		8/14/2014	3.58%	
		8/15/2014	3.58%	
		8/18/2014	3.57%	
		8/19/2014	3.57%	
		8/20/2014	3.57%	
		8/21/2014	3.56%	
		8/22/2014	3.56%	
		8/25/2014	3.56%	
		8/26/2014	3.55%	
		8/27/2014	3.55%	
		8/28/2014	3.55%	
		8/29/2014	3.54%	
		9/1/2014	3.54%	
		9/2/2014	3.53%	
		9/3/2014	3.53%	
		9/4/2014	3.53%	
		9/5/2014	3.53%	
		9/8/2014	3.52%	
		9/9/2014	3.52%	
		9/10/2014	3.52%	
		9/11/2014	3.51%	
		9/12/2014	3.51%	
		9/15/2014	3.51%	
		9/16/2014	3.51%	
		9/17/2014	3.50%	
		9/18/2014	3.50%	
		9/19/2014	3.50%	
		9/22/2014	3.49%	
		9/23/2014	3.49%	
		9/24/2014	3.49%	
		9/25/2014	3.48%	
		9/26/2014	3.48%	
		9/29/2014	3.48%	
		9/30/2014	3.47%	
		10/1/2014	3.47%	
		10/2/2014	3.47%	
		10/3/2014	3.46%	
		10/6/2014	3.46%	
		10/7/2014	3.45%	
		10/8/2014	3.45%	
		10/9/2014	3.45%	
		10/10/2014	3.44%	
		10/13/2014	3.44%	
		10/14/2014	3.43%	
		10/15/2014	3.43%	
		10/16/2014	3.42%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			10/17/2014	3.42%	
			10/20/2014	3.41%	
			10/21/2014	3.41%	
			10/22/2014	3.41%	
			10/23/2014	3.40%	
			10/24/2014	3.40%	
			10/27/2014	3.39%	
			10/28/2014	3.39%	
			10/29/2014	3.39%	
			10/30/2014	3.38%	
			10/31/2014	3.38%	
			11/3/2014	3.38%	
			11/4/2014	3.38%	
			11/5/2014	3.37%	
			11/6/2014	3.37%	
			11/7/2014	3.37%	
			11/10/2014	3.37%	
			11/11/2014	3.36%	
			11/12/2014	3.36%	
			11/13/2014	3.36%	
			11/14/2014	3.35%	
			11/17/2014	3.35%	
			11/18/2014	3.35%	
			11/19/2014	3.34%	
			11/20/2014	3.34%	
			11/21/2014	3.34%	
			11/24/2014	3.33%	
			11/25/2014	3.33%	
			11/26/2014	3.33%	
			11/27/2014	3.32%	
			11/28/2014	3.32%	
			12/1/2014	3.32%	
			12/2/2014	3.31%	
			12/3/2014	3.31%	
			12/4/2014	3.31%	
			12/5/2014	3.30%	
			12/8/2014	3.30%	
			12/9/2014	3.30%	
			12/10/2014	3.29%	
			12/11/2014	3.29%	
			12/12/2014	3.28%	
			12/15/2014	3.28%	
			12/16/2014	3.27%	
			12/17/2014	3.27%	
			12/18/2014	3.26%	
			12/19/2014	3.26%	
			12/22/2014	3.25%	
			12/23/2014	3.25%	
			12/24/2014	3.25%	
			12/25/2014	3.24%	
			12/26/2014	3.24%	
			12/29/2014	3.23%	
			12/30/2014	3.23%	
			12/31/2014	3.23%	
			1/1/2015	3.22%	
			1/2/2015	3.22%	
			1/5/2015	3.21%	
			1/6/2015	3.21%	
			1/7/2015	3.20%	
			1/8/2015	3.20%	
			1/9/2015	3.19%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			1/12/2015	3.19%	
			1/13/2015	3.18%	
			1/14/2015	3.18%	
			1/15/2015	3.17%	
			1/16/2015	3.17%	
			1/19/2015	3.16%	
			1/20/2015	3.15%	
			1/21/2015	3.15%	
			1/22/2015	3.14%	
			1/23/2015	3.14%	
			1/26/2015	3.13%	
			1/27/2015	3.13%	
			1/28/2015	3.12%	
			1/29/2015	3.12%	
			1/30/2015	3.11%	
			2/2/2015	3.10%	
			2/3/2015	3.10%	
			2/4/2015	3.09%	
			2/5/2015	3.09%	
			2/6/2015	3.08%	
			2/9/2015	3.08%	
			2/10/2015	3.08%	
			2/11/2015	3.07%	
			2/12/2015	3.07%	
			2/13/2015	3.06%	
			2/16/2015	3.06%	
			2/17/2015	3.05%	
			2/18/2015	3.05%	
			2/19/2015	3.05%	
			2/20/2015	3.05%	
			2/23/2015	3.04%	
			2/24/2015	3.04%	
			2/25/2015	3.03%	
			2/26/2015	3.03%	
			2/27/2015	3.03%	
			3/2/2015	3.02%	
			3/3/2015	3.02%	
			3/4/2015	3.02%	
			3/5/2015	3.01%	
			3/6/2015	3.01%	
			3/9/2015	3.01%	
			3/10/2015	3.00%	
			3/11/2015	3.00%	
			3/12/2015	3.00%	
			3/13/2015	2.99%	
			3/16/2015	2.99%	
			3/17/2015	2.98%	
			3/18/2015	2.98%	
			3/19/2015	2.98%	
			3/20/2015	2.97%	
			3/23/2015	2.97%	
			3/24/2015	2.96%	
			3/25/2015	2.96%	
			3/26/2015	2.95%	
			3/27/2015	2.95%	
			3/30/2015	2.94%	
			3/31/2015	2.94%	
			4/1/2015	2.93%	
			4/2/2015	2.93%	
			4/3/2015	2.93%	
			4/6/2015	2.92%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		4/7/2015	2.92%	
		4/8/2015	2.91%	
		4/9/2015	2.91%	
		4/10/2015	2.90%	
		4/13/2015	2.90%	
		4/14/2015	2.90%	
		4/15/2015	2.89%	
		4/16/2015	2.89%	
		4/17/2015	2.88%	
		4/20/2015	2.88%	
		4/21/2015	2.88%	
		4/22/2015	2.87%	
		4/23/2015	2.87%	
		4/24/2015	2.87%	
		4/27/2015	2.86%	
		4/28/2015	2.86%	
		4/29/2015	2.86%	
		4/30/2015	2.85%	
		5/1/2015	2.85%	
		5/4/2015	2.85%	
		5/5/2015	2.85%	
		5/6/2015	2.85%	
		5/7/2015	2.85%	
		5/8/2015	2.84%	
		5/11/2015	2.84%	
		5/12/2015	2.84%	
		5/13/2015	2.84%	
		5/14/2015	2.84%	
		5/15/2015	2.84%	
		5/18/2015	2.84%	
		5/19/2015	2.84%	
		5/20/2015	2.83%	
		5/21/2015	2.83%	
		5/22/2015	2.83%	
		5/25/2015	2.83%	
		5/26/2015	2.83%	
		5/27/2015	2.83%	
		5/28/2015	2.83%	
		5/29/2015	2.83%	
		6/1/2015	2.82%	
		6/2/2015	2.82%	
		6/3/2015	2.82%	
		6/4/2015	2.82%	
		6/5/2015	2.82%	
		6/8/2015	2.82%	
		6/9/2015	2.82%	
		6/10/2015	2.82%	
		6/11/2015	2.82%	
		6/12/2015	2.82%	
		6/15/2015	2.82%	
		6/16/2015	2.82%	
		6/17/2015	2.82%	
		6/18/2015	2.82%	
		6/19/2015	2.82%	
		6/22/2015	2.82%	
		6/23/2015	2.82%	
		6/24/2015	2.82%	
		6/25/2015	2.81%	
		6/26/2015	2.81%	
		6/29/2015	2.81%	
		6/30/2015	2.81%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		7/1/2015	2.81%	
		7/2/2015	2.81%	
		7/3/2015	2.81%	
		7/6/2015	2.81%	
		7/7/2015	2.81%	
		7/8/2015	2.81%	
		7/9/2015	2.81%	
		7/10/2015	2.81%	
		7/13/2015	2.81%	
		7/14/2015	2.81%	
		7/15/2015	2.81%	
		7/16/2015	2.81%	
		7/17/2015	2.81%	
		7/20/2015	2.81%	
		7/21/2015	2.81%	
		7/22/2015	2.81%	
		7/23/2015	2.81%	
		7/24/2015	2.81%	
		7/27/2015	2.81%	
		7/28/2015	2.81%	
		7/29/2015	2.81%	
		7/30/2015	2.81%	
		7/31/2015	2.81%	
		8/3/2015	2.81%	
		8/4/2015	2.81%	
		8/5/2015	2.81%	
		8/6/2015	2.81%	
		8/7/2015	2.81%	
		8/10/2015	2.81%	
		8/11/2015	2.81%	
		8/12/2015	2.81%	
		8/13/2015	2.80%	
		8/14/2015	2.80%	
		8/17/2015	2.80%	
		8/18/2015	2.80%	
		8/19/2015	2.80%	
		8/20/2015	2.80%	
		8/21/2015	2.80%	
		8/24/2015	2.79%	
		8/25/2015	2.79%	
		8/26/2015	2.79%	
		8/27/2015	2.79%	
		8/28/2015	2.79%	
		8/31/2015	2.79%	
		9/1/2015	2.79%	
		9/2/2015	2.79%	
		9/3/2015	2.79%	
		9/4/2015	2.79%	
		9/7/2015	2.79%	
		9/8/2015	2.79%	
		9/9/2015	2.79%	
		9/10/2015	2.79%	
		9/11/2015	2.79%	
		9/14/2015	2.79%	
		9/15/2015	2.79%	
		9/16/2015	2.79%	
		9/17/2015	2.79%	
		9/18/2015	2.79%	
		9/21/2015	2.80%	
		9/22/2015	2.80%	
		9/23/2015	2.80%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		9/24/2015	2.80%	
		9/25/2015	2.80%	
		9/28/2015	2.80%	
		9/29/2015	2.80%	
		9/30/2015	2.80%	
		10/1/2015	2.80%	
		10/2/2015	2.80%	
		10/5/2015	2.80%	
		10/6/2015	2.80%	
		10/7/2015	2.80%	
		10/8/2015	2.80%	
		10/9/2015	2.80%	
		10/12/2015	2.81%	
		10/13/2015	2.81%	
		10/14/2015	2.81%	
		10/15/2015	2.81%	
		10/16/2015	2.81%	
		10/19/2015	2.81%	
		10/20/2015	2.82%	
		10/21/2015	2.82%	
		10/22/2015	2.82%	
		10/23/2015	2.82%	
		10/26/2015	2.83%	
		10/27/2015	2.83%	
		10/28/2015	2.83%	
		10/29/2015	2.83%	
		10/30/2015	2.84%	
		11/2/2015	2.84%	
		11/3/2015	2.84%	
		11/4/2015	2.84%	
		11/5/2015	2.85%	
		11/6/2015	2.85%	
		11/9/2015	2.86%	
		11/10/2015	2.86%	
		11/11/2015	2.86%	
		11/12/2015	2.87%	
		11/13/2015	2.87%	
		11/16/2015	2.87%	
		11/17/2015	2.88%	
		11/18/2015	2.88%	
		11/19/2015	2.88%	
		11/20/2015	2.88%	
		11/23/2015	2.88%	
		11/24/2015	2.88%	
		11/25/2015	2.89%	
		11/26/2015	2.89%	
		11/27/2015	2.89%	
		11/30/2015	2.89%	
		12/1/2015	2.89%	
		12/2/2015	2.89%	
		12/3/2015	2.90%	
		12/4/2015	2.90%	
		12/7/2015	2.90%	
		12/8/2015	2.90%	
		12/9/2015	2.90%	
		12/10/2015	2.90%	
		12/11/2015	2.90%	
		12/14/2015	2.90%	
		12/15/2015	2.91%	
		12/16/2015	2.91%	
		12/17/2015	2.91%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		12/18/2015	2.91%	
		12/21/2015	2.91%	
		12/22/2015	2.91%	
		12/23/2015	2.91%	
		12/24/2015	2.92%	
		12/25/2015	2.92%	
		12/28/2015	2.92%	
		12/29/2015	2.92%	
		12/30/2015	2.93%	
		12/31/2015	2.93%	
		1/1/2016	2.93%	
		1/4/2016	2.93%	
		1/5/2016	2.94%	
		1/6/2016	2.94%	
		1/7/2016	2.94%	
		1/8/2016	2.94%	
		1/11/2016	2.94%	
		1/12/2016	2.95%	
		1/13/2016	2.95%	
		1/14/2016	2.95%	
		1/15/2016	2.95%	
		1/18/2016	2.95%	
		1/19/2016	2.95%	
		1/20/2016	2.95%	
		1/21/2016	2.96%	
		1/22/2016	2.96%	
		1/25/2016	2.96%	
		1/26/2016	2.96%	
		1/27/2016	2.96%	
		1/28/2016	2.96%	
		1/29/2016	2.96%	
		2/1/2016	2.96%	
		2/2/2016	2.96%	
		2/3/2016	2.96%	
		2/4/2016	2.96%	
		2/5/2016	2.96%	
		2/8/2016	2.96%	
		2/9/2016	2.96%	
		2/10/2016	2.95%	
		2/11/2016	2.95%	
		2/12/2016	2.95%	
		2/15/2016	2.95%	
		2/16/2016	2.95%	
		2/17/2016	2.94%	
		2/18/2016	2.94%	
		2/19/2016	2.94%	
		2/22/2016	2.94%	
		2/23/2016	2.94%	
		2/24/2016	2.93%	
		2/25/2016	2.93%	
		2/26/2016	2.93%	
		2/29/2016	2.93%	
		3/1/2016	2.93%	
		3/2/2016	2.93%	
		3/3/2016	2.93%	
		3/4/2016	2.92%	
		3/7/2016	2.92%	
		3/8/2016	2.92%	
		3/9/2016	2.92%	
		3/10/2016	2.92%	
		3/11/2016	2.92%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			3/14/2016	2.91%	
			3/15/2016	2.91%	
			3/16/2016	2.91%	
			3/17/2016	2.91%	
			3/18/2016	2.90%	
			3/21/2016	2.90%	
			3/22/2016	2.90%	
			3/23/2016	2.90%	
			3/24/2016	2.90%	
			3/25/2016	2.90%	
			3/28/2016	2.89%	
			3/29/2016	2.89%	
			3/30/2016	2.89%	
			3/31/2016	2.88%	
			4/1/2016	2.88%	
			4/4/2016	2.88%	
			4/5/2016	2.88%	
			4/6/2016	2.87%	
			4/7/2016	2.87%	
			4/8/2016	2.87%	
			4/11/2016	2.86%	
			4/12/2016	2.86%	
			4/13/2016	2.86%	
			4/14/2016	2.86%	
			4/15/2016	2.85%	
			4/18/2016	2.85%	
			4/19/2016	2.85%	
			4/20/2016	2.84%	
			4/21/2016	2.84%	
			4/22/2016	2.84%	
			4/25/2016	2.84%	
			4/26/2016	2.84%	
			4/27/2016	2.84%	
			4/28/2016	2.83%	
			4/29/2016	2.83%	
			5/2/2016	2.83%	
			5/3/2016	2.83%	
			5/4/2016	2.83%	
			5/5/2016	2.83%	
			5/6/2016	2.83%	
			5/9/2016	2.82%	
			5/10/2016	2.82%	
			5/11/2016	2.82%	
			5/12/2016	2.82%	
			5/13/2016	2.82%	
			5/16/2016	2.82%	
			5/17/2016	2.82%	
			5/18/2016	2.81%	
			5/19/2016	2.81%	
			5/20/2016	2.81%	
			5/23/2016	2.81%	
			5/24/2016	2.81%	
			5/25/2016	2.81%	
			5/26/2016	2.81%	
			5/27/2016	2.81%	
			5/30/2016	2.81%	
			5/31/2016	2.81%	
			6/1/2016	2.81%	
			6/2/2016	2.80%	
			6/3/2016	2.80%	
			6/6/2016	2.80%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		6/7/2016	2.80%	
		6/8/2016	2.80%	
		6/9/2016	2.79%	
		6/10/2016	2.79%	
		6/13/2016	2.79%	
		6/14/2016	2.79%	
		6/15/2016	2.78%	
		6/16/2016	2.78%	
		6/17/2016	2.78%	
		6/20/2016	2.78%	
		6/21/2016	2.77%	
		6/22/2016	2.77%	
		6/23/2016	2.77%	
		6/24/2016	2.77%	
		6/27/2016	2.76%	
		6/28/2016	2.76%	
		6/29/2016	2.76%	
		6/30/2016	2.75%	
		7/1/2016	2.75%	
		7/4/2016	2.75%	
		7/5/2016	2.74%	
		7/6/2016	2.74%	
		7/7/2016	2.73%	
		7/8/2016	2.73%	
		7/11/2016	2.73%	
		7/12/2016	2.72%	
		7/13/2016	2.72%	
		7/14/2016	2.72%	
		7/15/2016	2.71%	
		7/18/2016	2.71%	
		7/19/2016	2.71%	
		7/20/2016	2.70%	
		7/21/2016	2.70%	
		7/22/2016	2.70%	
		7/25/2016	2.70%	
		7/26/2016	2.69%	
		7/27/2016	2.69%	
		7/28/2016	2.69%	
		7/29/2016	2.68%	
		8/1/2016	2.68%	
		8/2/2016	2.68%	
		8/3/2016	2.67%	
		8/4/2016	2.67%	
		8/5/2016	2.67%	
		8/8/2016	2.66%	
		8/9/2016	2.66%	
		8/10/2016	2.66%	
		8/11/2016	2.65%	
		8/12/2016	2.65%	
		8/15/2016	2.65%	
		8/16/2016	2.64%	
		8/17/2016	2.64%	
		8/18/2016	2.63%	
		8/19/2016	2.63%	
		8/22/2016	2.62%	
		8/23/2016	2.62%	
		8/24/2016	2.62%	
		8/25/2016	2.61%	
		8/26/2016	2.61%	
		8/29/2016	2.61%	
		8/30/2016	2.60%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			8/31/2016	2.60%	
			9/1/2016	2.59%	
			9/2/2016	2.59%	
			9/5/2016	2.59%	
			9/6/2016	2.58%	
			9/7/2016	2.58%	
			9/8/2016	2.58%	
			9/9/2016	2.57%	
			9/12/2016	2.57%	
			9/13/2016	2.57%	
			9/14/2016	2.57%	
			9/15/2016	2.56%	
			9/16/2016	2.56%	
			9/19/2016	2.56%	
			9/20/2016	2.56%	
			9/21/2016	2.55%	
			9/22/2016	2.55%	
			9/23/2016	2.55%	
			9/26/2016	2.54%	
			9/27/2016	2.54%	
			9/28/2016	2.54%	
			9/29/2016	2.53%	
			9/30/2016	2.53%	
			10/3/2016	2.53%	
			10/4/2016	2.52%	
			10/5/2016	2.52%	
			10/6/2016	2.52%	
			10/7/2016	2.51%	
			10/10/2016	2.51%	
			10/11/2016	2.51%	
			10/12/2016	2.51%	
			10/13/2016	2.51%	
			10/14/2016	2.50%	
			10/17/2016	2.50%	
			10/18/2016	2.50%	
			10/19/2016	2.50%	
			10/20/2016	2.50%	
			10/21/2016	2.49%	
			10/24/2016	2.49%	
			10/25/2016	2.49%	
			10/26/2016	2.49%	
			10/27/2016	2.49%	
			10/28/2016	2.49%	
			10/31/2016	2.49%	
			11/1/2016	2.49%	
			11/2/2016	2.48%	
			11/3/2016	2.48%	
			11/4/2016	2.48%	
			11/7/2016	2.48%	
			11/8/2016	2.48%	
			11/9/2016	2.48%	
			11/10/2016	2.48%	
			11/11/2016	2.49%	
			11/14/2016	2.49%	
			11/15/2016	2.49%	
			11/16/2016	2.49%	
			11/17/2016	2.49%	
			11/18/2016	2.50%	
			11/21/2016	2.50%	
			11/22/2016	2.50%	
			11/23/2016	2.50%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		11/24/2016	2.50%	
		11/25/2016	2.51%	
		11/28/2016	2.51%	
		11/29/2016	2.51%	
		11/30/2016	2.51%	
		12/1/2016	2.51%	
		12/2/2016	2.52%	
		12/5/2016	2.52%	
		12/6/2016	2.52%	
		12/7/2016	2.52%	
		12/8/2016	2.52%	
		12/9/2016	2.53%	
		12/12/2016	2.53%	
		12/13/2016	2.53%	
		12/14/2016	2.53%	
		12/15/2016	2.54%	
		12/16/2016	2.54%	
		12/19/2016	2.54%	
		12/20/2016	2.54%	
		12/21/2016	2.54%	
		12/22/2016	2.55%	
		12/23/2016	2.55%	
		12/26/2016	2.55%	
		12/27/2016	2.55%	
		12/28/2016	2.55%	
		12/29/2016	2.56%	
		12/30/2016	2.56%	
		1/2/2017	2.56%	
		1/3/2017	2.56%	
		1/4/2017	2.57%	
		1/5/2017	2.57%	
		1/6/2017	2.57%	
		1/9/2017	2.57%	
		1/10/2017	2.57%	
		1/11/2017	2.57%	
		1/12/2017	2.58%	
		1/13/2017	2.58%	
		1/16/2017	2.58%	
		1/17/2017	2.58%	
		1/18/2017	2.58%	
		1/19/2017	2.59%	
		1/20/2017	2.59%	
		1/23/2017	2.59%	
		1/24/2017	2.59%	
		1/25/2017	2.60%	
		1/26/2017	2.60%	
		1/27/2017	2.60%	
		1/30/2017	2.60%	
		1/31/2017	2.60%	
		2/1/2017	2.61%	
		2/2/2017	2.61%	
		2/3/2017	2.61%	
		2/6/2017	2.61%	
		2/7/2017	2.61%	
		2/8/2017	2.61%	
		2/9/2017	2.62%	
		2/10/2017	2.62%	
		2/13/2017	2.62%	
		2/14/2017	2.62%	
		2/15/2017	2.62%	
		2/16/2017	2.63%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		2/17/2017	2.63%	
		2/20/2017	2.63%	
		2/21/2017	2.63%	
		2/22/2017	2.64%	
		2/23/2017	2.64%	
		2/24/2017	2.64%	
		2/27/2017	2.64%	
		2/28/2017	2.64%	
		3/1/2017	2.64%	
		3/2/2017	2.65%	
		3/3/2017	2.65%	
		3/6/2017	2.65%	
		3/7/2017	2.65%	
		3/8/2017	2.66%	
		3/9/2017	2.66%	
		3/10/2017	2.66%	
		3/13/2017	2.67%	
		3/14/2017	2.67%	
		3/15/2017	2.67%	
		3/16/2017	2.68%	
		3/17/2017	2.68%	
		3/20/2017	2.68%	
		3/21/2017	2.68%	
		3/22/2017	2.69%	
		3/23/2017	2.69%	
		3/24/2017	2.69%	
		3/27/2017	2.70%	
		3/28/2017	2.70%	
		3/29/2017	2.70%	
		3/30/2017	2.70%	
		3/31/2017	2.71%	
		4/3/2017	2.71%	
		4/4/2017	2.71%	
		4/5/2017	2.72%	
		4/6/2017	2.72%	
		4/7/2017	2.72%	
		4/10/2017	2.73%	
		4/11/2017	2.73%	
		4/12/2017	2.74%	
		4/13/2017	2.74%	
		4/14/2017	2.74%	
		4/17/2017	2.75%	
		4/18/2017	2.75%	
		4/19/2017	2.75%	
		4/20/2017	2.76%	
		4/21/2017	2.76%	
		4/24/2017	2.76%	
		4/25/2017	2.77%	
		4/26/2017	2.77%	
		4/27/2017	2.77%	
		4/28/2017	2.78%	
		5/1/2017	2.78%	
		5/2/2017	2.78%	
		5/3/2017	2.79%	
		5/4/2017	2.79%	
		5/5/2017	2.80%	
		5/8/2017	2.80%	
		5/9/2017	2.80%	
		5/10/2017	2.81%	
		5/11/2017	2.81%	
		5/12/2017	2.81%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			5/15/2017	2.82%	
			5/16/2017	2.82%	
			5/17/2017	2.83%	
			5/18/2017	2.83%	
			5/19/2017	2.83%	
			5/22/2017	2.83%	
			5/23/2017	2.84%	
			5/24/2017	2.84%	
			5/25/2017	2.84%	
			5/26/2017	2.85%	
			5/29/2017	2.85%	
			5/30/2017	2.85%	
			5/31/2017	2.86%	
			6/1/2017	2.86%	
			6/2/2017	2.86%	
			6/5/2017	2.87%	
			6/6/2017	2.87%	
			6/7/2017	2.87%	
			6/8/2017	2.88%	
			6/9/2017	2.88%	
			6/12/2017	2.88%	
			6/13/2017	2.88%	
			6/14/2017	2.89%	
			6/15/2017	2.89%	
			6/16/2017	2.89%	
			6/19/2017	2.89%	
			6/20/2017	2.89%	
			6/21/2017	2.90%	
			6/22/2017	2.90%	
			6/23/2017	2.90%	
			6/26/2017	2.90%	
			6/27/2017	2.90%	
			6/28/2017	2.90%	
			6/29/2017	2.91%	
			6/30/2017	2.91%	
			7/3/2017	2.91%	
			7/4/2017	2.91%	
			7/5/2017	2.92%	
			7/6/2017	2.92%	
			7/7/2017	2.92%	
			7/10/2017	2.93%	
			7/11/2017	2.93%	
			7/12/2017	2.93%	
			7/13/2017	2.93%	
			7/14/2017	2.94%	
			7/17/2017	2.94%	
			7/18/2017	2.94%	
			7/19/2017	2.94%	
			7/20/2017	2.94%	
			7/21/2017	2.94%	
			7/24/2017	2.95%	
			7/25/2017	2.95%	
			7/26/2017	2.95%	
			7/27/2017	2.95%	
			7/28/2017	2.95%	
			7/31/2017	2.96%	
			8/1/2017	2.96%	
			8/2/2017	2.96%	
			8/3/2017	2.96%	
			8/4/2017	2.96%	
			8/7/2017	2.96%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			8/8/2017	2.96%	
			8/9/2017	2.96%	
			8/10/2017	2.97%	
			8/11/2017	2.97%	
			8/14/2017	2.97%	
			8/15/2017	2.97%	
			8/16/2017	2.97%	
			8/17/2017	2.97%	
			8/18/2017	2.97%	
			8/21/2017	2.97%	
			8/22/2017	2.97%	
			8/23/2017	2.96%	
			8/24/2017	2.96%	
			8/25/2017	2.96%	
			8/28/2017	2.96%	
			8/29/2017	2.96%	
			8/30/2017	2.96%	
			8/31/2017	2.96%	
			9/1/2017	2.96%	
			9/4/2017	2.95%	
			9/5/2017	2.95%	
			9/6/2017	2.95%	
			9/7/2017	2.95%	
			9/8/2017	2.95%	
			9/11/2017	2.95%	
			9/12/2017	2.94%	
			9/13/2017	2.94%	
			9/14/2017	2.94%	
			9/15/2017	2.94%	
			9/18/2017	2.94%	
			9/19/2017	2.94%	
			9/20/2017	2.93%	
			9/21/2017	2.93%	
			9/22/2017	2.93%	
			9/25/2017	2.93%	
			9/26/2017	2.93%	
			9/27/2017	2.93%	
			9/28/2017	2.92%	
			9/29/2017	2.92%	
			10/2/2017	2.92%	
			10/3/2017	2.92%	
			10/4/2017	2.92%	
			10/5/2017	2.92%	
			10/6/2017	2.92%	
			10/9/2017	2.92%	
			10/10/2017	2.92%	
			10/11/2017	2.91%	
			10/12/2017	2.91%	
			10/13/2017	2.91%	
			10/16/2017	2.91%	
			10/17/2017	2.91%	
			10/18/2017	2.91%	
			10/19/2017	2.91%	
			10/20/2017	2.91%	
			10/23/2017	2.91%	
			10/24/2017	2.91%	
			10/25/2017	2.91%	
			10/26/2017	2.91%	
			10/27/2017	2.91%	
			10/30/2017	2.91%	
			10/31/2017	2.91%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		11/1/2017	2.91%	
		11/2/2017	2.90%	
		11/3/2017	2.90%	
		11/6/2017	2.90%	
		11/7/2017	2.90%	
		11/8/2017	2.90%	
		11/9/2017	2.90%	
		11/10/2017	2.90%	
		11/13/2017	2.90%	
		11/14/2017	2.89%	
		11/15/2017	2.89%	
		11/16/2017	2.89%	
		11/17/2017	2.89%	
		11/20/2017	2.89%	
		11/21/2017	2.89%	
		11/22/2017	2.89%	
		11/23/2017	2.89%	
		11/24/2017	2.88%	
		11/27/2017	2.88%	
		11/28/2017	2.88%	
		11/29/2017	2.88%	
		11/30/2017	2.88%	
		12/1/2017	2.88%	
		12/4/2017	2.88%	
		12/5/2017	2.88%	
		12/6/2017	2.87%	
		12/7/2017	2.87%	
		12/8/2017	2.87%	
		12/11/2017	2.87%	
		12/12/2017	2.87%	
		12/13/2017	2.87%	
		12/14/2017	2.86%	
		12/15/2017	2.86%	
		12/18/2017	2.86%	
		12/19/2017	2.86%	
		12/20/2017	2.86%	
		12/21/2017	2.85%	
		12/22/2017	2.85%	
		12/25/2017	2.85%	
		12/26/2017	2.85%	
		12/27/2017	2.85%	
		12/28/2017	2.85%	
		12/29/2017	2.85%	
		1/1/2018	2.85%	
		1/2/2018	2.84%	
		1/3/2018	2.84%	
		1/4/2018	2.84%	
		1/5/2018	2.84%	
		1/8/2018	2.84%	
		1/9/2018	2.84%	
		1/10/2018	2.84%	
		1/11/2018	2.84%	
		1/12/2018	2.84%	
		1/15/2018	2.84%	
		1/16/2018	2.84%	
		1/17/2018	2.84%	
		1/18/2018	2.84%	
		1/19/2018	2.84%	
		1/22/2018	2.84%	
		1/23/2018	2.84%	
		1/24/2018	2.84%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			1/25/2018	2.84%	
			1/26/2018	2.84%	
			1/29/2018	2.84%	
			1/30/2018	2.84%	
			1/31/2018	2.84%	
			2/1/2018	2.84%	
			2/2/2018	2.84%	
			2/5/2018	2.84%	
			2/6/2018	2.84%	
			2/7/2018	2.84%	
			2/8/2018	2.84%	
			2/9/2018	2.84%	
			2/12/2018	2.84%	
			2/13/2018	2.84%	
			2/14/2018	2.84%	
			2/15/2018	2.84%	
			2/16/2018	2.84%	
			2/19/2018	2.85%	
			2/20/2018	2.85%	
			2/21/2018	2.85%	
			2/22/2018	2.85%	
			2/23/2018	2.85%	
			2/26/2018	2.85%	
			2/27/2018	2.85%	
			2/28/2018	2.85%	
			3/1/2018	2.85%	
			3/2/2018	2.86%	
			3/5/2018	2.86%	
			3/6/2018	2.86%	
			3/7/2018	2.86%	
			3/8/2018	2.86%	
			3/9/2018	2.86%	
			3/12/2018	2.86%	
			3/13/2018	2.87%	
			3/14/2018	2.87%	
			3/15/2018	2.87%	
			3/16/2018	2.87%	
			3/19/2018	2.87%	
			3/20/2018	2.87%	
			3/21/2018	2.87%	
			3/22/2018	2.87%	
			3/23/2018	2.88%	
			3/26/2018	2.88%	
			3/27/2018	2.88%	
			3/28/2018	2.88%	
			3/29/2018	2.88%	
			3/30/2018	2.88%	
			4/2/2018	2.88%	
			4/3/2018	2.89%	
			4/4/2018	2.89%	
			4/5/2018	2.89%	
			4/6/2018	2.89%	
			4/9/2018	2.89%	
			4/10/2018	2.89%	
			4/11/2018	2.89%	
			4/12/2018	2.89%	
			4/13/2018	2.89%	
			4/16/2018	2.89%	
			4/17/2018	2.89%	
			4/18/2018	2.89%	
			4/19/2018	2.89%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			4/20/2018	2.90%	
			4/23/2018	2.90%	
			4/24/2018	2.90%	
			4/25/2018	2.90%	
			4/26/2018	2.90%	
			4/27/2018	2.90%	
			4/30/2018	2.91%	
			5/1/2018	2.91%	
			5/2/2018	2.91%	
			5/3/2018	2.91%	
			5/4/2018	2.91%	
			5/7/2018	2.91%	
			5/8/2018	2.91%	
			5/9/2018	2.91%	
			5/10/2018	2.92%	
			5/11/2018	2.92%	
			5/14/2018	2.92%	
			5/15/2018	2.92%	
			5/16/2018	2.92%	
			5/17/2018	2.92%	
			5/18/2018	2.93%	
			5/21/2018	2.93%	
			5/22/2018	2.93%	
			5/23/2018	2.93%	
			5/24/2018	2.93%	
			5/25/2018	2.94%	
			5/28/2018	2.94%	
			5/29/2018	2.94%	
			5/30/2018	2.94%	
			5/31/2018	2.94%	
			6/1/2018	2.94%	
			6/4/2018	2.94%	
			6/5/2018	2.95%	
			6/6/2018	2.95%	
			6/7/2018	2.95%	
			6/8/2018	2.95%	
			6/11/2018	2.95%	
			6/12/2018	2.95%	
			6/13/2018	2.96%	
			6/14/2018	2.96%	
			6/15/2018	2.96%	
			6/18/2018	2.96%	
			6/19/2018	2.96%	
			6/20/2018	2.96%	
			6/21/2018	2.97%	
			6/22/2018	2.97%	
			6/25/2018	2.97%	
			6/26/2018	2.97%	
			6/27/2018	2.97%	
			6/28/2018	2.97%	
			6/29/2018	2.97%	
			7/2/2018	2.97%	
			7/3/2018	2.97%	
			7/4/2018	2.97%	
			7/5/2018	2.97%	
			7/6/2018	2.98%	
			7/9/2018	2.98%	
			7/10/2018	2.98%	
			7/11/2018	2.98%	
			7/12/2018	2.98%	
			7/13/2018	2.98%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			7/16/2018	2.98%	
			7/17/2018	2.98%	
			7/18/2018	2.98%	
			7/19/2018	2.98%	
			7/20/2018	2.98%	
			7/23/2018	2.98%	
			7/24/2018	2.98%	
			7/25/2018	2.98%	
			7/26/2018	2.99%	
			7/27/2018	2.99%	
			7/30/2018	2.99%	
			7/31/2018	2.99%	
			8/1/2018	2.99%	
			8/2/2018	2.99%	
			8/3/2018	2.99%	
			8/6/2018	2.99%	
			8/7/2018	2.99%	
			8/8/2018	2.99%	
			8/9/2018	3.00%	
			8/10/2018	3.00%	
			8/13/2018	3.00%	
			8/14/2018	3.00%	
			8/15/2018	3.00%	
			8/16/2018	3.00%	
			8/17/2018	3.00%	
			8/20/2018	3.00%	
			8/21/2018	3.00%	
			8/22/2018	3.00%	
			8/23/2018	3.01%	
			8/24/2018	3.01%	
			8/27/2018	3.01%	
			8/28/2018	3.01%	
			8/29/2018	3.01%	
			8/30/2018	3.01%	
			8/31/2018	3.01%	
			9/3/2018	3.01%	
			9/4/2018	3.02%	
			9/5/2018	3.02%	
			9/6/2018	3.02%	
			9/7/2018	3.02%	
			9/10/2018	3.02%	
			9/11/2018	3.02%	
			9/12/2018	3.02%	
			9/13/2018	3.03%	
			9/14/2018	3.03%	
			9/17/2018	3.03%	
			9/18/2018	3.03%	
			9/19/2018	3.03%	
			9/20/2018	3.04%	
			9/21/2018	3.04%	
			9/24/2018	3.04%	
			9/25/2018	3.04%	
			9/26/2018	3.05%	
			9/27/2018	3.05%	
			9/28/2018	3.05%	
			10/1/2018	3.05%	
			10/2/2018	3.05%	
			10/3/2018	3.06%	
			10/4/2018	3.06%	
			10/5/2018	3.06%	
			10/8/2018	3.07%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		10/9/2018	3.07%	
		10/10/2018	3.07%	
		10/11/2018	3.07%	
		10/12/2018	3.08%	
		10/15/2018	3.08%	
		10/16/2018	3.08%	
		10/17/2018	3.08%	
		10/18/2018	3.09%	
		10/19/2018	3.09%	
		10/22/2018	3.09%	
		10/23/2018	3.09%	
		10/24/2018	3.10%	
		10/25/2018	3.10%	
		10/26/2018	3.10%	
		10/29/2018	3.10%	
		10/30/2018	3.11%	
		10/31/2018	3.11%	
		11/1/2018	3.11%	
		11/2/2018	3.11%	
		11/5/2018	3.12%	
		11/6/2018	3.12%	
		11/7/2018	3.12%	
		11/8/2018	3.12%	
		11/9/2018	3.12%	
		11/12/2018	3.13%	
		11/13/2018	3.13%	
		11/14/2018	3.13%	
		11/15/2018	3.13%	
		11/16/2018	3.13%	
		11/19/2018	3.13%	
		11/20/2018	3.13%	
		11/21/2018	3.13%	
		11/22/2018	3.13%	
		11/23/2018	3.13%	
		11/26/2018	3.14%	
		11/27/2018	3.14%	
		11/28/2018	3.14%	
		11/29/2018	3.14%	
		11/30/2018	3.14%	
		12/3/2018	3.14%	
		12/4/2018	3.14%	
		12/5/2018	3.14%	
		12/6/2018	3.14%	
		12/7/2018	3.14%	
		12/10/2018	3.14%	
		12/11/2018	3.14%	
		12/12/2018	3.14%	
		12/13/2018	3.14%	
		12/14/2018	3.14%	
		12/17/2018	3.14%	
		12/18/2018	3.14%	
		12/19/2018	3.14%	
		12/20/2018	3.14%	
		12/21/2018	3.14%	
		12/24/2018	3.14%	
		12/25/2018	3.14%	
		12/26/2018	3.14%	
		12/27/2018	3.14%	
		12/28/2018	3.14%	
		12/31/2018	3.14%	
		1/1/2019	3.14%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		1/2/2019	3.14%	
		1/3/2019	3.14%	
		1/4/2019	3.14%	
		1/7/2019	3.14%	
		1/8/2019	3.14%	
		1/9/2019	3.14%	
		1/10/2019	3.14%	
		1/11/2019	3.14%	
		1/14/2019	3.14%	
		1/15/2019	3.14%	
		1/16/2019	3.14%	
		1/17/2019	3.14%	
		1/18/2019	3.14%	
		1/21/2019	3.14%	
		1/22/2019	3.14%	
		1/23/2019	3.14%	
		1/24/2019	3.14%	
		1/25/2019	3.14%	
		1/28/2019	3.14%	
		1/29/2019	3.14%	
		1/30/2019	3.13%	
		1/31/2019	3.13%	
		2/1/2019	3.13%	
		2/4/2019	3.13%	
		2/5/2019	3.13%	
		2/6/2019	3.13%	
		2/7/2019	3.13%	
		2/8/2019	3.13%	
		2/11/2019	3.13%	
		2/12/2019	3.13%	
		2/13/2019	3.13%	
		2/14/2019	3.13%	
		2/15/2019	3.13%	
		2/18/2019	3.13%	
		2/19/2019	3.13%	
		2/20/2019	3.12%	
		2/21/2019	3.12%	
		2/22/2019	3.12%	
		2/25/2019	3.12%	
		2/26/2019	3.12%	
		2/27/2019	3.12%	
		2/28/2019	3.12%	
		3/1/2019	3.12%	
		3/4/2019	3.12%	
		3/5/2019	3.12%	
		3/6/2019	3.12%	
		3/7/2019	3.12%	
		3/8/2019	3.12%	
		3/11/2019	3.12%	
		3/12/2019	3.12%	
		3/13/2019	3.12%	
		3/14/2019	3.12%	
		3/15/2019	3.12%	
		3/18/2019	3.12%	
		3/19/2019	3.12%	
		3/20/2019	3.12%	
		3/21/2019	3.12%	
		3/22/2019	3.12%	
		3/25/2019	3.12%	
		3/26/2019	3.11%	
		3/27/2019	3.11%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		3/28/2019	3.11%	
		3/29/2019	3.11%	
		4/1/2019	3.11%	
		4/2/2019	3.11%	
		4/3/2019	3.11%	
		4/4/2019	3.11%	
		4/5/2019	3.11%	
		4/8/2019	3.11%	
		4/9/2019	3.11%	
		4/10/2019	3.11%	
		4/11/2019	3.11%	
		4/12/2019	3.11%	
		4/15/2019	3.11%	
		4/16/2019	3.11%	
		4/17/2019	3.11%	
		4/18/2019	3.11%	
		4/19/2019	3.11%	
		4/22/2019	3.11%	
		4/23/2019	3.11%	
		4/24/2019	3.11%	
		4/25/2019	3.11%	
		4/26/2019	3.11%	
		4/29/2019	3.11%	
		4/30/2019	3.11%	
		5/1/2019	3.11%	
		5/2/2019	3.11%	
		5/3/2019	3.10%	
		5/6/2019	3.10%	
		5/7/2019	3.10%	
		5/8/2019	3.10%	
		5/9/2019	3.10%	
		5/10/2019	3.10%	
		5/13/2019	3.10%	
		5/14/2019	3.10%	
		5/15/2019	3.09%	
		5/16/2019	3.09%	
		5/17/2019	3.09%	
		5/20/2019	3.09%	
		5/21/2019	3.09%	
		5/22/2019	3.09%	
		5/23/2019	3.09%	
		5/24/2019	3.09%	
		5/27/2019	3.09%	
		5/28/2019	3.08%	
		5/29/2019	3.08%	
		5/30/2019	3.08%	
		5/31/2019	3.08%	
		6/3/2019	3.08%	
		6/4/2019	3.07%	
		6/5/2019	3.07%	
		6/6/2019	3.07%	
		6/7/2019	3.07%	
		6/10/2019	3.07%	
		6/11/2019	3.06%	
		6/12/2019	3.06%	
		6/13/2019	3.06%	
		6/14/2019	3.06%	
		6/17/2019	3.05%	
		6/18/2019	3.05%	
		6/19/2019	3.05%	
		6/20/2019	3.05%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		6/21/2019	3.04%	
		6/24/2019	3.04%	
		6/25/2019	3.04%	
		6/26/2019	3.03%	
		6/27/2019	3.03%	
		6/28/2019	3.03%	
		7/1/2019	3.02%	
		7/2/2019	3.02%	
		7/3/2019	3.02%	
		7/4/2019	3.01%	
		7/5/2019	3.01%	
		7/8/2019	3.01%	
		7/9/2019	3.00%	
		7/10/2019	3.00%	
		7/11/2019	3.00%	
		7/12/2019	2.99%	
		7/15/2019	2.99%	
		7/16/2019	2.98%	
		7/17/2019	2.98%	
		7/18/2019	2.98%	
		7/19/2019	2.97%	
		7/22/2019	2.97%	
		7/23/2019	2.96%	
		7/24/2019	2.96%	
		7/25/2019	2.96%	
		7/26/2019	2.95%	
		7/29/2019	2.95%	
		7/30/2019	2.95%	
		7/31/2019	2.94%	
		8/1/2019	2.94%	
		8/2/2019	2.93%	
		8/5/2019	2.93%	
		8/6/2019	2.92%	
		8/7/2019	2.92%	
		8/8/2019	2.91%	
		8/9/2019	2.90%	
		8/12/2019	2.90%	
		8/13/2019	2.89%	
		8/14/2019	2.88%	
		8/15/2019	2.88%	
		8/16/2019	2.87%	
		8/19/2019	2.86%	
		8/20/2019	2.86%	
		8/21/2019	2.85%	
		8/22/2019	2.84%	
		8/23/2019	2.84%	
		8/26/2019	2.83%	
		8/27/2019	2.82%	
		8/28/2019	2.82%	
		8/29/2019	2.81%	
		8/30/2019	2.80%	
		9/2/2019	2.80%	
		9/3/2019	2.79%	
		9/4/2019	2.78%	
		9/5/2019	2.78%	
		9/6/2019	2.77%	
		9/9/2019	2.76%	
		9/10/2019	2.76%	
		9/11/2019	2.76%	
		9/12/2019	2.75%	
		9/13/2019	2.75%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		9/16/2019	2.74%	
		9/17/2019	2.74%	
		9/18/2019	2.73%	
		9/19/2019	2.73%	
		9/20/2019	2.72%	
		9/23/2019	2.72%	
		9/24/2019	2.71%	
		9/25/2019	2.71%	
		9/26/2019	2.71%	
		9/27/2019	2.70%	
		9/30/2019	2.70%	
		10/1/2019	2.69%	
		10/2/2019	2.69%	
		10/3/2019	2.68%	
		10/4/2019	2.68%	
		10/7/2019	2.67%	
		10/8/2019	2.67%	
		10/9/2019	2.66%	
		10/10/2019	2.66%	
		10/11/2019	2.66%	
		10/14/2019	2.65%	
		10/15/2019	2.65%	
		10/16/2019	2.64%	
		10/17/2019	2.64%	
		10/18/2019	2.64%	
		10/21/2019	2.63%	
		10/22/2019	2.63%	
		10/23/2019	2.62%	
		10/24/2019	2.62%	
		10/25/2019	2.62%	
		10/28/2019	2.61%	
		10/29/2019	2.61%	
		10/30/2019	2.60%	
		10/31/2019	2.60%	
		11/1/2019	2.60%	
		11/4/2019	2.59%	
		11/5/2019	2.59%	
		11/6/2019	2.59%	
		11/7/2019	2.58%	
		11/8/2019	2.58%	
		11/11/2019	2.58%	
		11/12/2019	2.57%	
		11/13/2019	2.57%	
		11/14/2019	2.57%	
		11/15/2019	2.56%	
		11/18/2019	2.56%	
		11/19/2019	2.56%	
		11/20/2019	2.55%	
		11/21/2019	2.55%	
		11/22/2019	2.54%	
		11/25/2019	2.54%	
		11/26/2019	2.54%	
		11/27/2019	2.53%	
		11/28/2019	2.53%	
		11/29/2019	2.52%	
		12/2/2019	2.52%	
		12/3/2019	2.52%	
		12/4/2019	2.51%	
		12/5/2019	2.51%	
		12/6/2019	2.50%	
		12/9/2019	2.50%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			12/10/2019	2.49%	
			12/11/2019	2.49%	
			12/12/2019	2.49%	
			12/13/2019	2.48%	
			12/16/2019	2.48%	
			12/17/2019	2.48%	
			12/18/2019	2.47%	
			12/19/2019	2.47%	
			12/20/2019	2.47%	
			12/23/2019	2.46%	
			12/24/2019	2.46%	
			12/25/2019	2.46%	
			12/26/2019	2.45%	
			12/27/2019	2.45%	
			12/30/2019	2.45%	
			12/31/2019	2.44%	
			1/1/2020	2.44%	
			1/2/2020	2.44%	
			1/3/2020	2.44%	
			1/6/2020	2.43%	
			1/7/2020	2.43%	
			1/8/2020	2.43%	
			1/9/2020	2.43%	
			1/10/2020	2.42%	
			1/13/2020	2.42%	
			1/14/2020	2.42%	
			1/15/2020	2.41%	
			1/16/2020	2.41%	
			1/17/2020	2.41%	
			1/20/2020	2.40%	
			1/21/2020	2.40%	
			1/22/2020	2.39%	
			1/23/2020	2.39%	
			1/24/2020	2.39%	
			1/27/2020	2.38%	
			1/28/2020	2.38%	
			1/29/2020	2.37%	
			1/30/2020	2.37%	
			1/31/2020	2.36%	
			2/3/2020	2.36%	
			2/4/2020	2.36%	
			2/5/2020	2.35%	
			2/6/2020	2.35%	
			2/7/2020	2.34%	
			2/10/2020	2.34%	
			2/11/2020	2.33%	
			2/12/2020	2.33%	
			2/13/2020	2.33%	
			2/14/2020	2.32%	
			2/17/2020	2.32%	
			2/18/2020	2.31%	
			2/19/2020	2.31%	
			2/20/2020	2.31%	
			2/21/2020	2.30%	
			2/24/2020	2.30%	
			2/25/2020	2.29%	
			2/26/2020	2.29%	
			2/27/2020	2.28%	
			2/28/2020	2.28%	
			3/2/2020	2.27%	
			3/3/2020	2.27%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		3/4/2020	2.26%	
		3/5/2020	2.25%	
		3/6/2020	2.25%	
		3/9/2020	2.24%	
		3/10/2020	2.23%	
		3/11/2020	2.23%	
		3/12/2020	2.22%	
		3/13/2020	2.22%	
		3/16/2020	2.21%	
		3/17/2020	2.21%	
		3/18/2020	2.20%	
		3/19/2020	2.20%	
		3/20/2020	2.19%	
		3/23/2020	2.19%	
		3/24/2020	2.18%	
		3/25/2020	2.17%	
		3/26/2020	2.17%	
		3/27/2020	2.16%	
		3/30/2020	2.16%	
		3/31/2020	2.15%	
		4/1/2020	2.14%	
		4/2/2020	2.14%	
		4/3/2020	2.13%	
		4/6/2020	2.12%	
		4/7/2020	2.12%	
		4/8/2020	2.11%	
		4/9/2020	2.11%	
		4/10/2020	2.10%	
		4/13/2020	2.09%	
		4/14/2020	2.09%	
		4/15/2020	2.08%	
		4/16/2020	2.08%	
		4/17/2020	2.07%	
		4/20/2020	2.06%	
		4/21/2020	2.05%	
		4/22/2020	2.05%	
		4/23/2020	2.04%	
		4/24/2020	2.03%	
		4/27/2020	2.03%	
		4/28/2020	2.02%	
		4/29/2020	2.01%	
		4/30/2020	2.01%	
		5/1/2020	2.00%	
		5/4/2020	1.99%	
		5/5/2020	1.99%	
		5/6/2020	1.98%	
		5/7/2020	1.98%	
		5/8/2020	1.97%	
		5/11/2020	1.97%	
		5/12/2020	1.96%	
		5/13/2020	1.96%	
		5/14/2020	1.95%	
		5/15/2020	1.95%	
		5/18/2020	1.95%	
		5/19/2020	1.94%	
		5/20/2020	1.94%	
		5/21/2020	1.94%	
		5/22/2020	1.93%	
		5/25/2020	1.93%	
		5/26/2020	1.93%	
		5/27/2020	1.92%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			5/28/2020	1.92%	
			5/29/2020	1.92%	
			6/1/2020	1.91%	
			6/2/2020	1.91%	
			6/3/2020	1.91%	
			6/4/2020	1.91%	
			6/5/2020	1.91%	
			6/8/2020	1.90%	
			6/9/2020	1.90%	
			6/10/2020	1.90%	
			6/11/2020	1.90%	
			6/12/2020	1.89%	
			6/15/2020	1.89%	
			6/16/2020	1.89%	
			6/17/2020	1.88%	
			6/18/2020	1.88%	
			6/19/2020	1.87%	
			6/22/2020	1.87%	
			6/23/2020	1.87%	
			6/24/2020	1.86%	
			6/25/2020	1.86%	
			6/26/2020	1.85%	
			6/29/2020	1.85%	
			6/30/2020	1.85%	
			7/1/2020	1.84%	
			7/2/2020	1.84%	
			7/3/2020	1.84%	
			7/6/2020	1.83%	
			7/7/2020	1.83%	
			7/8/2020	1.83%	
			7/9/2020	1.82%	
			7/10/2020	1.82%	
			7/13/2020	1.82%	
			7/14/2020	1.81%	
			7/15/2020	1.81%	
			7/16/2020	1.80%	
			7/17/2020	1.80%	
			7/20/2020	1.79%	
			7/21/2020	1.79%	
			7/22/2020	1.79%	
			7/23/2020	1.78%	
			7/24/2020	1.78%	
			7/27/2020	1.77%	
			7/28/2020	1.77%	
			7/29/2020	1.76%	
			7/30/2020	1.75%	
			7/31/2020	1.75%	
			8/3/2020	1.74%	
			8/4/2020	1.74%	
			8/5/2020	1.73%	
			8/6/2020	1.73%	
			8/7/2020	1.72%	
			8/10/2020	1.72%	
			8/11/2020	1.71%	
			8/12/2020	1.71%	
			8/13/2020	1.70%	
			8/14/2020	1.70%	
			8/17/2020	1.69%	
			8/18/2020	1.69%	
			8/19/2020	1.68%	
			8/20/2020	1.68%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			8/21/2020	1.67%	
			8/24/2020	1.67%	
			8/25/2020	1.67%	
			8/26/2020	1.66%	
			8/27/2020	1.66%	
			8/28/2020	1.65%	
			8/31/2020	1.65%	
			9/1/2020	1.65%	
			9/2/2020	1.64%	
			9/3/2020	1.64%	
			9/4/2020	1.64%	
			9/7/2020	1.63%	
			9/8/2020	1.63%	
			9/9/2020	1.62%	
			9/10/2020	1.62%	
			9/11/2020	1.62%	
			9/14/2020	1.61%	
			9/15/2020	1.61%	
			9/16/2020	1.60%	
			9/17/2020	1.60%	
			9/18/2020	1.59%	
			9/21/2020	1.59%	
			9/22/2020	1.59%	
			9/23/2020	1.58%	
			9/24/2020	1.58%	
			9/25/2020	1.57%	
			9/28/2020	1.57%	
			9/29/2020	1.56%	
			9/30/2020	1.56%	
			10/1/2020	1.55%	
			10/2/2020	1.55%	
			10/5/2020	1.55%	
			10/6/2020	1.54%	
			10/7/2020	1.54%	
			10/8/2020	1.53%	
			10/9/2020	1.53%	
			10/12/2020	1.53%	
			10/13/2020	1.52%	
			10/14/2020	1.52%	
			10/15/2020	1.51%	
			10/16/2020	1.51%	
			10/19/2020	1.51%	
			10/20/2020	1.50%	
			10/21/2020	1.50%	
			10/22/2020	1.50%	
			10/23/2020	1.49%	
			10/26/2020	1.49%	
			10/27/2020	1.49%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			10/28/2020	1.48%	
			10/29/2020	1.48%	
			10/30/2020	1.48%	
			11/2/2020	1.48%	
			11/3/2020	1.47%	
			11/4/2020	1.47%	
			11/5/2020	1.47%	
			11/6/2020	1.47%	
			11/9/2020	1.47%	
			11/10/2020	1.46%	
			11/11/2020	1.46%	
			11/12/2020	1.46%	
			11/13/2020	1.46%	
			11/16/2020	1.46%	
			11/17/2020	1.45%	
			11/18/2020	1.45%	
			11/19/2020	1.45%	
			11/20/2020	1.45%	
			11/23/2020	1.44%	
			11/24/2020	1.44%	
			11/25/2020	1.44%	
			11/26/2020	1.44%	
			11/27/2020	1.44%	
			11/30/2020	1.44%	
			12/1/2020	1.43%	
			12/2/2020	1.43%	
			12/3/2020	1.43%	
			12/4/2020	1.43%	
			12/7/2020	1.43%	
			12/8/2020	1.43%	
			12/9/2020	1.43%	
			12/10/2020	1.43%	
			12/11/2020	1.44%	
			12/14/2020	1.44%	
			12/15/2020	1.44%	
			12/16/2020	1.44%	
			12/17/2020	1.44%	
			12/18/2020	1.44%	
			12/21/2020	1.45%	
			12/22/2020	1.45%	
			12/23/2020	1.45%	
			12/24/2020	1.44%	
			12/25/2020	1.45%	
			12/28/2020	1.45%	
			12/29/2020	1.45%	
			12/30/2020	1.45%	
			12/31/2020	1.45%	
			1/1/2021	1.45%	
			1/4/2021	1.45%	
			1/5/2021	1.46%	
			1/6/2021	1.46%	
			1/7/2021	1.46%	
			1/8/2021	1.47%	
			1/11/2021	1.47%	
			1/12/2021	1.47%	
			1/13/2021	1.47%	
			1/14/2021	1.48%	
			1/15/2021	1.48%	
			1/18/2021	1.48%	
			1/19/2021	1.48%	
			1/20/2021	1.49%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			1/21/2021	1.49%	
			1/22/2021	1.49%	
			1/25/2021	1.49%	
			1/26/2021	1.50%	
			1/27/2021	1.50%	
			1/28/2021	1.50%	
			1/29/2021	1.51%	
			2/1/2021	1.51%	
			2/2/2021	1.51%	
			2/3/2021	1.52%	
			2/4/2021	1.52%	
			2/5/2021	1.52%	
			2/8/2021	1.53%	
			2/9/2021	1.53%	
			2/10/2021	1.53%	
			2/11/2021	1.54%	
			2/12/2021	1.54%	
			2/15/2021	1.54%	
			2/16/2021	1.55%	
			2/17/2021	1.55%	
			2/18/2021	1.55%	
			2/19/2021	1.56%	
			2/22/2021	1.56%	
			2/23/2021	1.56%	
			2/24/2021	1.57%	
			2/25/2021	1.57%	
			2/26/2021	1.58%	
			3/1/2021	1.58%	
			3/2/2021	1.58%	
			3/3/2021	1.59%	
			3/4/2021	1.59%	
			3/5/2021	1.60%	
			3/8/2021	1.60%	
			3/9/2021	1.61%	
			3/10/2021	1.61%	
			3/11/2021	1.61%	
			3/12/2021	1.62%	
			3/15/2021	1.62%	
			3/16/2021	1.62%	
			3/17/2021	1.63%	
			3/18/2021	1.63%	
			3/19/2021	1.64%	
			3/22/2021	1.64%	
			3/23/2021	1.65%	
			3/24/2021	1.65%	
			3/25/2021	1.66%	
			3/26/2021	1.66%	
			3/29/2021	1.66%	
			3/30/2021	1.67%	
			3/31/2021	1.67%	
			4/1/2021	1.68%	
			4/2/2021	1.68%	
			4/5/2021	1.69%	
			4/6/2021	1.69%	
			4/7/2021	1.70%	
			4/8/2021	1.70%	
			4/9/2021	1.71%	
			4/12/2021	1.71%	
			4/13/2021	1.72%	
			4/14/2021	1.72%	
			4/15/2021	1.72%	

VIX Index	PX_LAST	Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
			4/16/2021	1.73%	
			4/19/2021	1.73%	
			4/20/2021	1.74%	
			4/21/2021	1.74%	
			4/22/2021	1.75%	
			4/23/2021	1.75%	
			4/26/2021	1.76%	
			4/27/2021	1.76%	
			4/28/2021	1.77%	
			4/29/2021	1.77%	
			4/30/2021	1.78%	
			5/3/2021	1.78%	
			5/4/2021	1.79%	
			5/5/2021	1.79%	
			5/6/2021	1.80%	
			5/7/2021	1.80%	
			5/10/2021	1.81%	
			5/11/2021	1.82%	
			5/12/2021	1.82%	
			5/13/2021	1.83%	
			5/14/2021	1.83%	
			5/17/2021	1.84%	
			5/18/2021	1.84%	
			5/19/2021	1.85%	
			5/20/2021	1.85%	
			5/21/2021	1.86%	
			5/24/2021	1.86%	
			5/25/2021	1.87%	
			5/26/2021	1.87%	
			5/27/2021	1.87%	
			5/28/2021	1.88%	
			5/31/2021	1.88%	
			6/1/2021	1.89%	
			6/2/2021	1.89%	
			6/3/2021	1.90%	
			6/4/2021	1.90%	
			6/7/2021	1.90%	
			6/8/2021	1.91%	
			6/9/2021	1.91%	
			6/10/2021	1.92%	
			6/11/2021	1.92%	
			6/14/2021	1.92%	
			6/15/2021	1.93%	
			6/16/2021	1.93%	
			6/17/2021	1.93%	
			6/18/2021	1.94%	
			6/21/2021	1.94%	
			6/22/2021	1.94%	
			6/23/2021	1.95%	
			6/24/2021	1.95%	
			6/25/2021	1.95%	
			6/28/2021	1.96%	
			6/29/2021	1.96%	
			6/30/2021	1.96%	
			7/1/2021	1.97%	
			7/2/2021	1.97%	
			7/5/2021	1.97%	
			7/6/2021	1.98%	
			7/7/2021	1.98%	
			7/8/2021	1.98%	
			7/9/2021	1.98%	

VIX Index	PX_LAST Lagged VIX	USGG30YR Index	MOODUBAA Index	VIX Index
		7/12/2021	1.99%	
		7/13/2021	1.99%	
		7/14/2021	1.99%	
		7/15/2021	1.99%	
		7/16/2021	1.99%	
		7/19/2021	1.99%	
		7/20/2021	2.00%	
		7/21/2021	2.00%	
		7/22/2021	2.00%	
		7/23/2021	2.00%	
		7/26/2021	2.00%	
		7/27/2021	2.01%	
		7/28/2021	2.01%	
		7/29/2021	2.01%	
		7/30/2021	2.01%	
		8/2/2021	2.01%	
		8/3/2021	2.01%	
		8/4/2021	2.01%	
		8/5/2021	2.01%	
		8/6/2021	2.02%	
		8/9/2021	2.02%	
		8/10/2021	2.02%	
		8/11/2021	2.02%	
		8/12/2021	2.02%	
		8/13/2021	2.03%	
		8/16/2021	2.03%	
		8/17/2021	2.03%	
		8/18/2021	2.03%	
		8/19/2021	2.03%	
		8/20/2021	2.03%	
		8/23/2021	2.03%	
		8/24/2021	2.03%	
		8/25/2021	2.04%	
		8/26/2021	2.04%	
		8/27/2021	2.04%	
		8/30/2021	2.04%	
		8/31/2021	2.04%	
		9/1/2021	2.04%	
		9/2/2021	2.05%	
		9/3/2021	2.05%	
		9/6/2021	2.05%	
		9/7/2021	2.05%	
		9/8/2021	2.05%	
		9/9/2021	2.05%	
		9/10/2021	2.05%	
		9/13/2021	2.06%	
		9/14/2021	2.06%	
		9/15/2021	2.06%	
		9/16/2021	2.06%	
		9/17/2021	2.06%	
		9/20/2021	2.06%	
		9/21/2021	2.06%	
		9/22/2021	2.06%	
		9/23/2021	2.06%	
		9/24/2021	2.07%	
		9/27/2021	2.07%	
		9/28/2021	2.07%	
		9/29/2021	2.07%	
		9/30/2021	2.07%	

Blue Chip Projected 30-Year Treasury Yields

Near-Term Projected 30-Year Treasury

	Treasury, 30 yr.
Q4 2021	2.2 %
Q1 2022	2.3
Q2 2022	2.4
Q3 2022	2.5
Q4 2022	2.6
Q1 2023	2.7
Average:	2.45 %

Source: Blue Chip Financial Forecasts, Vol. 40, No. 10, October 1, 2021, at 2

Long-Term Projected 30-Year Treasury

	Treasury, 30 yr.
2023-2027	3.5 %
2028-2032	3.9
Average:	3.70

Average Projected
30-yr Treasury 3.08 %

Source: Blue Chip Financial Forecasts, Vol. 40, No. 6, June 1, 2021, at 14.

	1	2	3	4	5
Company Name	SNL Institution Key 201129	Parent Company Name 201136	Ultimate Parent Company Name 201137	Ticker 201138	
TICKER					
AEE Ameren Illinois Company		4272394 Ameren Corporation	Ameren Corporation		
AEE Union Electric Company		4057102 Ameren Corporation	Ameren Corporation		
AEP AEP Texas Inc.		4056935 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Appalachian Power Company		4056972 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Indiana Michigan Power Company		4057003 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Kentucky Power Company		4057006 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Kingsport Power Company		4060895 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Ohio Power Company		4057015 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Public Service Company of Oklahoma		4057023 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Southwestern Electric Power Company		4057026 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
AEP Wheeling Power Company		4063994 American Electric Power Company, Inc.	American Electric Power Company, Inc.		
ALE Minnesota Power Enterprises, Inc.		4061513 ALLETE, Inc.	ALLETE, Inc.		
ALE Superior Water, Light and Power Company		4063281 ALLETE, Inc.	ALLETE, Inc.		
AVA Alaska Electric Light and Power Company		4058371 Alaska Energy & Resources Company	Avista Corporation		
AVA Avista Corporation		4057075			AVA
CMS Consumers Energy Company		4057081 CMS Energy Corporation	CMS Energy Corporation		
DTE DTE Electric Company		4057083 DTE Energy Company	DTE Energy Company		
DUK Duke Energy Carolinas, LLC		4004320 Duke Energy Corporation	Duke Energy Corporation		
DUK Duke Energy Florida, LLC		4056998 Progress Energy, Inc.	Duke Energy Corporation		
DUK Duke Energy Indiana, LLC		4062444 Duke Energy Corporation	Duke Energy Corporation		
DUK Duke Energy Kentucky, Inc.		4057103 Duke Energy Ohio, Inc.	Duke Energy Corporation		
DUK Duke Energy Ohio, Inc.		4057079 Duke Energy Corporation	Duke Energy Corporation		
DUK Duke Energy Progress, LLC		4004192 Progress Energy, Inc.	Duke Energy Corporation		
ETR Entergy Arkansas, LLC		4056995 Entergy Corporation	Entergy Corporation		
ETR Entergy Louisiana, LLC		4112564 Entergy Louisiana Holdings, Inc.	Entergy Corporation		
ETR Entergy Mississippi, LLC		4008616 Entergy Utility Holding Company, LLC	Entergy Corporation		
ETR Entergy New Orleans, LLC		4057085 Entergy Utility Holding Company, LLC	Entergy Corporation		
ETR Entergy Texas, Inc.		4199135 Entergy Corporation	Entergy Corporation		
EVRG Evergy Kansas South, Inc.		4057089 Evergy Kansas Central, Inc.	Evergy, Inc.		
EVRG Evergy Metro, Inc.		4072456 Evergy, Inc.	Evergy, Inc.		
EVRG Evergy Missouri West, Inc.		4000843 Evergy, Inc.	Evergy, Inc.		
EVRG Westar Energy (KPL)		4082573 Evergy Kansas Central, Inc.	Evergy, Inc.		
HE Hawaii Electric Light Company, Inc.		4060446 Hawaiian Electric Company, Inc.	Hawaiian Electric Industries, Inc.		
HE Hawaiian Electric Company, Inc.		4057001 Hawaiian Electric Industries, Inc.	Hawaiian Electric Industries, Inc.		
HE Maui Electric Company, Limited		4061329 Hawaiian Electric Company, Inc.	Hawaiian Electric Industries, Inc.		
IDA Idaho Power Company		4057002 IDACORP, Inc.	IDACORP, Inc.		
LNT Interstate Power and Light Company		4057087 Alliant Energy Corporation	Alliant Energy Corporation		
LNT Wisconsin Power and Light Company		4008669 Alliant Energy Corporation	Alliant Energy Corporation		
NEE Florida Power & Light Company		4056997 NextEra Energy, Inc.	NextEra Energy, Inc.		
NEE Gulf Power Company		4057000 NextEra Energy, Inc.	NextEra Energy, Inc.		
NWE NorthWestern Corporation		4057053			NWE
OGE Oklahoma Gas and Electric Company		4057016 OGE Energy Corp.	OGE Energy Corp.		
OTTR Otter Tail Power Company		4147257 Otter Tail Corporation	Otter Tail Corporation		
PNW Arizona Public Service Company		4056974 Pinnacle West Capital Corporation	Pinnacle West Capital Corporation		
POR Portland General Electric Company		4057019			POR
SO Alabama Power Company		4014956 The Southern Company	The Southern Company		
SO Georgia Power Company		4004152 The Southern Company	The Southern Company		
SO Mississippi Power Company		4057010 The Southern Company	The Southern Company		
WEC Upper Michigan Energy Resources Corporation		4887639 WEC Energy Group, Inc.	WEC Energy Group, Inc.		
WEC Wisconsin Electric Power Company		4057105 WEC Energy Group, Inc.	WEC Energy Group, Inc.		
WEC Wisconsin Public Service Corporation		4057106 Integrys Holding, Inc.	WEC Energy Group, Inc.		
XEL Northern States Power Company		4057754 Xcel Energy Inc.	Xcel Energy Inc.		
XEL Northern States Power Company		4061925 Xcel Energy Inc.	Xcel Energy Inc.		
XEL Public Service Company of Colorado		4057094 Xcel Energy Inc.	Xcel Energy Inc.		
XEL Southwestern Public Service Company		4057027 Xcel Energy Inc.	Xcel Energy Inc.		

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6	7	8	9	10	11	12	13
Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)	Total Proprietary Capital (\$000)
201284	201284	201284	201284	201284	201284	201284	201284
2021Q2	2021Q1	2020Q4	2020Q3	2020Q2	2020Q1	2019Q4	2019Q3
5,257,695	5,140,954	4,965,081	4,761,467	4,684,418	4,351,115	4,131,138	4,020,653
5,551,111	5,370,148	5,210,465	4,788,916	4,491,507	4,339,310	4,349,486	4,425,635
3,332,438	3,252,414	3,205,954	3,159,178	3,076,276	3,009,008	2,961,138	2,973,424
4,514,869	4,462,375	4,345,141	4,328,442	4,262,201	4,232,686	4,172,535	4,172,138
2,777,994	2,795,465	2,749,251	2,715,010	2,659,201	2,616,217	2,544,376	2,541,941
847,413	837,151	823,334	810,130	800,076	801,038	782,180	769,768
74,801	75,324	74,541	73,347	72,063	72,220	71,026	69,944
2,791,070	2,739,025	2,692,658	2,658,210	2,621,068	2,561,981	2,508,480	2,459,110
2,203,913	1,967,859	1,545,605	1,489,290	1,409,261	1,363,174	1,373,407	1,384,500
2,900,373	2,788,586	2,626,213	2,603,934	2,516,074	2,457,266	2,440,486	2,423,411
406,115	409,824	412,578	408,638	403,537	409,064	402,888	405,331
2,322,048	2,320,172	2,294,198	2,280,637	2,265,435	2,271,173	2,231,645	2,208,372
60,394	59,966	57,481	56,707	56,088	57,169	54,732	54,626
117,990	116,691	113,215	115,711	115,443	114,115	110,720	118,687
2,069,966	2,068,590	2,029,726	1,982,851	1,975,038	1,959,095	1,934,255	1,893,568
8,977,858	8,766,760	8,556,899	8,564,192	8,506,901	8,104,624	7,738,169	7,737,172
8,231,485	8,138,137	8,075,328	7,876,943	7,210,253	7,160,214	7,199,713	7,017,088
13,409,029	13,471,020	13,156,138	13,294,741	13,069,554	12,832,282	12,813,247	12,580,387
7,892,151	7,679,178	7,558,921	7,411,197	7,127,000	6,914,768	6,789,687	6,677,652
4,985,933	4,882,106	4,768,567	4,657,998	4,639,728	4,657,909	4,558,286	4,485,167
799,067	740,304	718,237	710,729	698,334	663,426	645,094	634,148
4,075,483	4,036,618	3,945,836	3,894,493	3,824,505	3,758,788	3,693,838	3,642,296
9,705,445	9,488,536	9,259,597	9,515,411	9,611,816	9,447,073	9,245,384	9,087,189
3,425,800	3,369,206	3,276,170	3,341,545	3,230,702	3,170,532	3,125,938	3,102,109
7,768,070	7,623,554	7,457,336	6,966,262	6,748,596	6,584,084	6,396,720	6,310,538
1,750,122	1,698,706	1,672,734	1,654,659	1,601,070	1,562,178	1,542,151	1,390,528
613,318	608,688	606,917	533,144	513,694	508,765	497,579	491,884
2,336,486	2,207,167	2,157,579	2,144,716	2,053,031	2,006,644	1,799,407	1,676,780
3,252,569	3,213,731	3,197,967	3,174,131	3,093,477	3,062,751	3,048,823	3,024,066
2,926,781	2,833,435	2,792,789	2,800,819	2,622,474	2,539,705	2,574,219	2,586,393
1,176,929	1,154,216	1,160,863	1,205,318	1,150,356	1,095,584	1,088,654	1,126,077
4,634,884	4,547,635	4,370,129	4,359,327	4,157,846	4,190,166	4,197,866	4,145,233
NA	NA	NA	NA	NA	NA	NA	NA
2,205,689	2,191,678	2,176,211	2,127,691	2,094,362	2,078,792	2,081,645	2,027,547
NA	NA	NA	NA	NA	NA	NA	NA
2,406,726	2,373,099	2,363,834	2,371,990	2,304,814	2,279,130	2,275,558	2,280,724
3,987,540	3,949,065	3,968,336	3,929,853	3,671,137	3,595,368	3,471,773	3,444,095
2,744,404	2,663,720	2,496,832	2,498,040	2,469,158	2,454,840	2,383,598	2,346,341
25,945,795	25,466,808	23,746,327	23,693,292	24,695,872	23,247,212	21,405,094	21,004,689
2,860,620	2,892,360	2,800,446	2,750,011	2,509,211	2,154,579	1,715,532	1,764,071
2,177,316	2,113,833	2,079,095	2,054,549	2,053,555	2,060,476	2,039,093	2,004,524
4,557,942	4,517,231	3,975,606	3,933,766	3,983,629	3,979,030	3,958,233	3,928,179
819097	816578	811896	765931	725055	669461	640166	636677
6295015	6262112	6225895	6284487	5933223	5912931	5876263	5993533
2660838	2674615	2612277	2594885	2645750	2637398	2591260	2563720
10927621	10816858	10101152	10206518	9960687	9899897	9245667	9376854
16546452	16774146	16500827	16706257	15436858	15511509	15065452	14764206
1848667	1848415	1741951	1760084	1724302	1721823	1651630	1639003
183618	178393	174034	188567	184241	179062	199165	204381
3814140	3794910	3696395	3848782	3728155	3651581	3591497	3619544
2195946	2166441	2127717	2178987	2133454	2091380	1953803	1935323
7394792	7189580	6769389	6506383	6289783	6168648	6081828	5982400
1112668	1110651	1067515	1036962	1015527	993186	966559	940761
8099373	7944185	7591737	7510647	7420139	7071981	6996196	7005621
3596368	3607401	3297611	3295763	3304582	2883459	2884448	2892220

[illegible]

22	23	24	25	26	27	28	29	30
Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	Total Long-term Debt (\$000)	% Common Equity
201292	201292	201292	201292	201292	201292	201292	201292	201292
2021Q2	2021Q1	2020Q4	2020Q3	2020Q2	2020Q1	2019Q4	2019Q3	2021Q2
4,431,132	3,982,516	3,982,416	3,608,926	3,608,866	3,608,806	3,608,745	3,310,174	54.03%
5,409,290	4,884,694	4,884,527	4,336,991	4,336,845	4,336,700	3,956,959	3,872,254	50.28%
4,801,789	4,352,867	4,352,611	4,352,355	3,754,518	3,804,962	3,804,767	3,356,689	40.97%
4,980,193	4,997,451	4,861,888	4,861,676	4,874,142	4,376,891	4,388,913	4,388,722	47.55%
3,105,596	2,899,456	2,899,770	2,900,037	2,900,261	2,900,524	2,899,757	2,923,760	47.22%
1,105,000	995,000	995,000	995,000	995,000	995,000	870,000	870,000	43.40%
65,000	65,000	65,000	59,000	59,000	59,000	59,000	59,000	53.51%
2,893,884	2,893,763	2,444,348	2,444,244	2,444,140	2,444,036	2,094,308	2,126,457	49.10%
1,627,288	1,627,400	1,377,495	1,377,566	1,377,655	1,390,358	1,390,401	1,390,442	57.53%
3,045,890	3,045,810	2,545,782	2,545,704	2,545,611	2,560,534	2,560,456	2,560,379	48.78%
350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	53.71%
1,842,323	1,772,934	1,653,248	1,919,165	1,794,401	1,623,154	1,513,405	1,513,654	55.76%
44,500	39,500	39,500	39,500	39,500	39,500	39,500	39,500	57.58%
75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	61.14%
1,984,375	1,984,356	1,984,337	2,036,317	1,871,298	1,871,278	1,871,259	1,868,935	51.06%
8,117,564	8,124,094	8,131,338	8,011,809	8,429,167	8,129,666	7,263,181	7,194,302	52.41%
8,967,770	9,250,260	8,254,028	8,253,760	8,585,837	7,986,548	7,187,181	7,186,925	47.86%
12,676,091	12,095,311	11,984,901	12,304,659	12,278,018	12,700,455	11,776,476	11,707,475	51.40%
6,814,869	6,814,685	6,814,502	6,814,318	6,814,135	6,564,650	6,814,476	5,964,660	53.66%
4,105,437	4,105,210	4,104,983	4,117,549	4,617,319	4,617,079	4,067,521	4,220,766	54.84%
731,540	731,537	731,534	731,531	661,528	661,525	661,521	761,518	52.21%
2,372,565	2,372,122	2,371,679	2,371,237	2,370,794	1,970,606	1,970,170	1,969,733	63.20%
9,025,864	9,105,077	9,006,422	9,104,415	8,792,451	8,782,188	8,781,885	8,781,583	51.81%
3,857,654	3,858,063	3,855,946	4,181,333	3,509,379	3,509,795	3,399,790	3,399,065	47.04%
9,686,258	9,884,780	8,890,412	7,478,407	7,728,230	7,730,385	7,078,967	7,078,897	44.51%
2,001,410	2,001,434	1,798,685	1,798,685	1,798,686	1,631,108	1,631,127	1,485,285	46.65%
605,865	605,858	605,852	632,463	632,456	632,448	512,441	424,272	50.31%
2,263,992	2,389,047	2,389,100	1,926,371	1,926,474	1,930,601	1,734,259	1,734,183	50.41%
670,955	670,949	670,944	670,939	670,934	670,928	670,923	670,918	82.90%
2,942,993	2,942,882	2,942,771	2,942,661	2,942,550	2,542,911	2,542,812	2,542,713	49.86%
1,224,350	1,071,739	1,072,864	1,072,864	1,072,864	1,072,864	1,073,989	1,073,989	49.01%
3,292,671	3,292,505	3,292,339	3,292,173	3,292,007	3,043,879	3,043,720	3,043,561	58.47%
NA	NA	NA	NA	NA	NA	NA	NA	NA
1,676,043	1,675,863	1,561,302	1,561,128	1,574,955	1,510,635	1,497,667	1,418,220	56.82%
NA	NA	NA	NA	NA	NA	NA	NA	NA
2,016,415	2,016,632	2,016,848	2,017,065	2,192,243	1,851,118	1,851,044	1,850,970	54.41%
3,442,153	3,441,429	3,432,037	3,429,593	3,429,049	3,228,958	3,241,249	3,235,995	52.39%
2,236,091	2,238,088	2,234,090	2,234,769	2,236,731	2,038,185	2,048,849	2,047,346	55.10%
17,128,763	15,986,189	15,801,260	15,800,789	14,405,215	15,404,748	14,130,807	14,130,339	60.23%
1,570,333	1,570,272	1,570,218	1,570,165	1,570,113	1,695,056	1,694,975	1,594,890	64.56%
2,516,561	2,477,554	2,328,637	2,202,637	2,170,637	2,251,637	2,245,637	2,188,637	46.39%
4,020,006	3,519,880	3,519,754	3,519,627	3,519,501	3,219,527	3,219,404	3,219,281	53.14%
687000	687000	687000	687000	647000	647000	612000	512000	54.39%
5897112	5897299	5897390	5900296	5501702	5105568	5254071	5054030	51.63%
2918434	2918427	3058421	2828415	2828409	2628403	2607358	2387343	47.69%
9315181	8916607	8916276	9165945	8568363	8481590	8567817	8567544	53.30%
13622826	13339635	12940095	12817171	12839375	12338668	11777273	11893922	54.85%
1925145	1405559	1407509	1409458	14111407	1419907	1596856	1623805	48.99%
160000	160000	160000	160000	160000	160000	160000	160000	53.44%
2769381	2768983	2768630	2768278	2767925	2767572	2767219	2716875	57.74%
1624276	1624246	1624215	1624184	1624154	1624123	1624093	1624062	57.48%
6805569	6805097	5958065	5957689	6256917	5569405	5569033	5568653	52.07%
915050	914980	914912	914876	914806	815908	815849	815822	54.87%
6515862	6515373	5769970	5769598	6169165	5426550	5426223	5425892	55.42%
3040249	3040146	2790290	2790187	2790083	2443011	2442933	2442854	54.19%

	31	32	33	34	35	36	37	38
% Common Equity	% Common Equity	% Common Equity	% Common Equity	% Common Equity	% Common Equity	% Common Equity	% LTD	
	2021Q1	2020Q4	2020Q3	2020Q2	2020Q1	2019Q4	2019Q3	2021Q2
	56.11%	55.18%	56.56%	56.16%	54.31%	53.00%	54.46%	45.97%
	51.99%	51.22%	52.05%	50.42%	49.55%	51.90%	52.88%	49.72%
	42.77%	42.41%	42.06%	45.04%	44.16%	43.77%	46.97%	59.03%
	47.17%	47.19%	47.10%	46.65%	49.16%	48.74%	48.74%	52.45%
	49.09%	48.67%	48.35%	47.83%	47.42%	46.74%	46.51%	52.78%
	45.69%	45.28%	44.88%	44.57%	44.60%	47.34%	46.94%	56.60%
	53.68%	53.42%	55.42%	54.98%	55.04%	54.62%	54.24%	46.49%
	48.63%	52.42%	52.10%	51.75%	51.18%	54.50%	53.63%	50.90%
	54.73%	52.88%	51.95%	50.57%	49.51%	49.69%	49.89%	42.47%
	47.80%	50.78%	50.57%	49.71%	48.97%	48.80%	48.63%	51.22%
	53.94%	54.10%	53.86%	53.55%	53.89%	53.51%	53.66%	46.29%
	56.68%	58.12%	54.30%	55.80%	58.32%	59.59%	59.33%	44.24%
	60.29%	59.27%	58.94%	58.68%	59.14%	58.08%	58.03%	42.42%
	60.87%	60.15%	60.67%	60.62%	60.34%	59.62%	61.28%	38.86%
	51.04%	50.57%	49.33%	51.35%	51.15%	50.83%	50.33%	48.94%
	51.80%	51.17%	51.56%	50.12%	49.81%	51.46%	51.70%	47.59%
	46.80%	49.45%	48.83%	45.65%	47.27%	50.04%	49.40%	52.14%
	52.69%	52.33%	51.93%	51.56%	50.26%	52.11%	51.80%	48.60%
	52.98%	52.59%	52.10%	51.12%	51.30%	49.91%	52.82%	46.34%
	54.32%	53.74%	53.08%	50.12%	50.22%	52.84%	51.52%	45.16%
	50.30%	49.54%	49.28%	51.35%	50.07%	49.37%	45.44%	47.79%
	62.99%	62.46%	62.16%	61.73%	65.61%	65.22%	64.90%	36.80%
	51.03%	50.69%	51.10%	52.23%	51.82%	51.29%	50.86%	48.19%
	46.62%	45.94%	44.42%	47.93%	47.46%	47.90%	47.72%	52.96%
	43.54%	45.62%	48.23%	46.62%	46.00%	47.47%	47.13%	55.49%
	45.91%	48.19%	47.91%	47.09%	48.92%	48.60%	48.35%	53.35%
	50.12%	50.04%	45.74%	44.82%	44.58%	49.26%	53.69%	49.69%
	47.62%	47.05%	52.27%	51.16%	50.53%	50.43%	48.63%	49.59%
	82.73%	82.66%	82.55%	82.18%	82.03%	81.96%	81.84%	17.10%
	49.05%	48.69%	48.77%	47.12%	49.97%	50.31%	50.43%	50.14%
	51.85%	51.97%	52.91%	51.74%	50.52%	50.34%	51.18%	50.99%
	58.00%	57.03%	56.97%	55.81%	57.92%	57.97%	57.66%	41.53%
NA	NA	NA	NA	NA	NA	NA	NA	
NA	56.67%	58.23%	57.68%	57.08%	57.91%	58.16%	58.84%	43.18%
NA	NA	NA	NA	NA	NA	NA	NA	
	53.01%	53.96%	54.04%	51.25%	55.18%	55.14%	55.20%	45.59%
	52.14%	52.34%	52.10%	50.30%	51.26%	50.23%	50.06%	47.61%
	54.34%	52.78%	52.78%	52.47%	54.64%	53.78%	53.40%	44.90%
	61.44%	60.04%	59.99%	63.16%	60.14%	60.24%	59.78%	39.77%
	64.81%	64.07%	63.66%	61.51%	55.97%	50.30%	52.52%	35.44%
	46.04%	47.17%	48.26%	48.61%	47.78%	47.59%	47.80%	53.61%
	56.20%	53.04%	52.78%	53.09%	55.28%	55.15%	54.96%	46.86%
	54.31%	54.17%	52.72%	52.84%	50.85%	51.12%	55.43%	45.61%
	51.50%	51.35%	51.58%	51.89%	53.66%	52.80%	54.25%	48.37%
	47.82%	46.07%	47.85%	48.33%	50.09%	49.85%	51.78%	52.31%
	54.12%	52.37%	51.95%	53.00%	53.10%	51.09%	51.45%	46.70%
	55.70%	56.05%	56.59%	54.59%	55.70%	56.12%	55.38%	45.15%
	56.80%	55.31%	55.53%	54.99%	54.80%	50.84%	50.23%	51.01%
	52.72%	52.10%	54.10%	53.52%	52.81%	55.45%	56.09%	46.56%
	57.62%	56.97%	57.97%	57.19%	56.68%	56.27%	56.92%	42.26%
	57.15%	56.71%	57.29%	56.78%	56.29%	54.61%	54.37%	42.52%
	51.37%	53.19%	52.20%	50.13%	52.55%	52.20%	51.79%	47.93%
	54.83%	53.85%	53.13%	52.61%	54.90%	54.23%	53.56%	45.13%
	54.94%	56.82%	56.56%	54.60%	56.58%	56.32%	56.35%	44.58%
	54.27%	54.17%	54.15%	54.22%	54.13%	54.14%	54.21%	45.81%

	39	40	41	42	43	44	45	
%LTD	%LTD	%LTD	%LTD	%LTD	%LTD	%LTD	check	
	2021Q1	2020Q4	2020Q3	2020Q2	2020Q1	2019Q4	2019Q3	
	43.89%	44.82%	43.44%	43.84%	45.69%	47.00%	45.54%	100.00%
	48.01%	48.78%	47.95%	49.58%	50.45%	48.10%	47.12%	100.00%
	57.23%	57.59%	57.94%	54.96%	55.84%	56.23%	53.03%	100.00%
	52.83%	52.81%	52.90%	53.35%	50.84%	51.26%	51.26%	100.00%
	50.91%	51.33%	51.65%	52.17%	52.58%	53.26%	53.49%	100.00%
	54.31%	54.72%	55.12%	55.43%	55.40%	52.66%	53.06%	100.00%
	46.32%	46.58%	44.58%	45.02%	44.96%	45.38%	45.76%	100.00%
	51.37%	47.58%	47.90%	48.25%	48.82%	45.50%	46.37%	100.00%
	45.27%	47.12%	48.05%	49.43%	50.49%	50.31%	50.11%	100.00%
	52.20%	49.22%	49.43%	50.29%	51.03%	51.20%	51.37%	100.00%
	46.06%	45.90%	46.14%	46.45%	46.11%	46.49%	46.34%	100.00%
	43.32%	41.88%	45.70%	44.20%	41.68%	40.41%	40.67%	100.00%
	39.71%	40.73%	41.06%	41.32%	40.86%	41.92%	41.97%	100.00%
	39.13%	39.85%	39.33%	39.38%	39.66%	40.38%	38.72%	100.00%
	48.96%	49.43%	50.67%	48.65%	48.85%	49.17%	49.67%	100.00%
	48.20%	48.83%	48.44%	49.88%	50.19%	48.54%	48.30%	100.00%
	53.20%	50.55%	51.17%	54.35%	52.73%	49.96%	50.60%	100.00%
	47.31%	47.67%	48.07%	48.44%	49.74%	47.89%	48.20%	100.00%
	47.02%	47.41%	47.90%	48.88%	48.70%	50.09%	47.18%	100.00%
	45.68%	46.26%	46.92%	49.88%	49.78%	47.16%	48.48%	100.00%
	49.70%	50.46%	50.72%	48.65%	49.93%	50.63%	54.56%	100.00%
	37.01%	37.54%	37.84%	38.27%	34.39%	34.78%	35.10%	100.00%
	48.97%	49.31%	48.90%	47.77%	48.18%	48.71%	49.14%	100.00%
	53.38%	54.06%	55.58%	52.07%	52.54%	52.10%	52.28%	100.00%
	56.46%	54.38%	51.77%	53.38%	54.00%	52.53%	52.87%	100.00%
	54.09%	51.81%	52.09%	52.91%	51.08%	51.40%	51.65%	100.00%
	49.88%	49.96%	54.26%	55.18%	55.42%	50.74%	46.31%	100.00%
	52.38%	52.95%	47.73%	48.84%	49.47%	49.57%	51.37%	100.00%
	17.27%	17.34%	17.45%	17.82%	17.97%	18.04%	18.16%	100.00%
	50.95%	51.31%	51.23%	52.88%	50.03%	49.69%	49.57%	100.00%
	48.15%	48.03%	47.09%	48.26%	49.48%	49.66%	48.82%	100.00%
	42.00%	42.97%	43.03%	44.19%	42.08%	42.03%	42.34%	100.00%
NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	43.33%	41.77%	42.32%	42.92%	42.09%	41.84%	41.16%	100.00%
NA	NA	NA	NA	NA	NA	NA	NA	NA
	46.99%	46.04%	45.96%	48.75%	44.82%	44.86%	44.80%	100.00%
	47.86%	47.66%	47.90%	49.70%	48.74%	49.77%	49.94%	100.00%
	45.66%	47.22%	47.22%	47.53%	45.36%	46.22%	46.60%	100.00%
	38.56%	39.96%	40.01%	36.84%	39.86%	39.76%	40.22%	100.00%
	35.19%	35.93%	36.34%	38.49%	44.03%	49.70%	47.48%	100.00%
	53.96%	52.83%	51.74%	51.39%	52.22%	52.41%	52.20%	100.00%
	43.80%	46.96%	47.22%	46.91%	44.72%	44.85%	45.04%	100.00%
	45.69%	45.83%	47.28%	47.16%	49.15%	48.88%	44.57%	100.00%
	48.50%	48.65%	48.42%	48.11%	46.34%	47.20%	45.75%	100.00%
	52.18%	53.93%	52.15%	51.67%	49.91%	50.15%	48.22%	100.00%
	45.88%	47.63%	48.05%	47.00%	46.90%	48.91%	48.55%	100.00%
	44.30%	43.95%	43.41%	45.41%	44.30%	43.88%	44.62%	100.00%
	43.20%	44.69%	44.47%	45.01%	45.20%	49.16%	49.77%	100.00%
	47.28%	47.90%	45.90%	46.48%	47.19%	44.55%	43.91%	100.00%
	42.38%	43.03%	42.03%	42.81%	43.32%	43.73%	43.08%	100.00%
	42.85%	43.29%	42.71%	43.22%	43.71%	45.39%	45.63%	100.00%
	48.63%	46.81%	47.80%	49.87%	47.45%	47.80%	48.21%	100.00%
	45.17%	46.15%	46.87%	47.39%	45.10%	45.77%	46.44%	100.00%
	45.06%	43.18%	43.44%	45.40%	43.42%	43.68%	43.65%	100.00%
	45.73%	45.83%	45.85%	45.78%	45.87%	45.86%	45.79%	100.00%

S&P Global
Market Intelligence

Hawaiian Electric Company, Inc. | Balance Sheet (As Reported)
(MI KEY: 4057001; SPCIQ KEY: 9588508)

Periods Custom
Source S&P Capital IQ - Standardized As Reported

	2021 FQ2	2021 FQ1	2020 FQ4	2020 FQ3	2020 FQ2	2020 FQ1	2019 FQ4	2019 FQ3
Period Ended	6/30/2021	3/31/2021	12/31/2020	9/30/2020	6/30/2020	3/31/2020	12/31/2019	9/30/2019
Currency	USD	USD	USD	USD	USD	USD	USD	USD
Units	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
Assets								
Property, plant and equipment								
Utility property, plant and equipment								
Land	51,612	51,611	51,611	51,589	51,607	51,607	51,816	51,330
Plant and equipment	7,619,886	7,551,879	7,509,343	7,422,908	7,353,841	7,305,655	7,240,288	7,097,286
Less accumulated depreciation	(2,903,421)	(2,859,719)	(2,819,079)	(2,789,917)	(2,758,544)	(2,726,103)	(2,690,157)	(2,686,388)
Construction in progress	201,802	203,988	188,342	212,537	214,487	199,529	193,074	226,556
Utility property, plant and equipment, net	4,969,879	4,947,759	4,930,217	4,897,117	4,861,391	4,830,688	4,795,021	4,688,784
Nonutility property, plant and equipment, less accumulated depreciation	6,951	6,952	6,953	6,954	6,955	6,956	6,956	6,958
Total property, plant and equipment, net	4,976,830	4,954,711	4,937,170	4,904,071	4,868,346	4,837,644	4,801,977	4,695,742
Current assets								
Cash and cash equivalents	23,666	51,743	47,360	29,800	63,995	12,409	11,022	32,507
Restricted cash	8,968	11,506	15,966	20,458	29,376	30,902	30,872	NA
Customer accounts receivable, net	152,392	141,649	147,832	137,936	138,038	158,680	152,790	163,093
Accrued unbilled revenues, net	132,978	101,813	101,036	106,415	100,601	113,780	117,227	123,820
Other accounts receivable, net	5,168	5,073	7,673	7,074	10,415	11,247	11,568	4,618
Fuel oil stock, at average cost	102,066	74,688	58,238	60,443	60,479	89,527	91,937	84,543
Materials and supplies, at average cost	72,959	69,726	67,344	68,794	66,244	61,198	60,702	60,810
Prepayments and other	31,913	36,419	44,083	39,644	37,929	35,907	116,980	46,321
Regulatory assets	59,905	54,322	30,435	25,462	21,286	28,967	30,710	32,951
Total current assets	590,015	546,939	519,967	496,026	528,363	542,617	623,808	548,663
Other long-term assets								
Operating lease right-of-use assets	131,622	138,534	127,654	144,740	161,029	177,097	176,809	192,254
Regulatory assets	707,951	719,104	736,273	652,221	661,284	669,677	684,370	716,316
Other	141,556	135,620	136,309	125,246	112,985	108,893	101,718	107,993
Total other long-term assets	981,129	993,258	1,000,236	922,207	935,298	955,667	962,897	1,016,563
Total assets	6,547,974	6,494,908	6,457,373	6,322,304	6,332,007	6,335,928	6,388,682	6,260,968
Capitalization and liabilities								
Capitalization								
Common stock	115,515	115,515	115,515	113,678	113,678	113,678	NA	111,696
Premium on capital stock	746,987	746,987	746,987	714,824	714,824	714,824	NA	681,305
Retained earnings	1,311,744	1,297,768	1,282,335	1,266,076	1,232,795	1,217,250	NA	1,200,081
Accumulated other comprehensive loss, net of tax	(2,850)	(2,885)	(2,919)	(1,180)	(1,228)	(1,253)	NA	172
benefits-retirement benefit plans								
Common stock equity	2,171,396	2,157,385	2,141,918	2,093,398	2,060,069	2,044,499	2,047,352	1,993,254
Cumulative preferred stock - not subject to mandatory redemption	34,293	34,293	34,293	34,293	34,293	34,293	34,293	34,293
Long-term debt, net	1,676,043	1,675,863	1,561,302	1,561,128	1,560,955	1,496,638	1,401,714	1,322,255
Total capitalization	3,881,732	3,867,541	3,737,513	3,688,819	3,655,317	3,575,430	3,483,359	3,349,802
Current liabilities								
Current portion of operating lease liabilities	68,090	66,301	64,730	64,906	64,534	63,743	63,707	62,758
Current portion of long-term debt, net	0	0	0	0	14,000	13,997	95,953	95,965
Short-term borrowings from non-affiliates	37,999	0	49,979	49,948	49,919	99,956	88,987	112,353
Accounts payable	131,633	123,199	133,849	118,480	107,078	145,935	187,770	152,562
Interest and preferred dividends payable	17,827	28,172	20,350	30,244	20,659	27,941	20,728	27,540
Taxes accrued, including revenue taxes	175,814	155,125	192,524	183,744	193,851	158,991	207,992	204,839

Regulatory liabilities	31,713	30,370	37,301	36,555	26,067	42,711	30,724	19,516
Other	60,951	70,000	74,262	75,050	71,691	65,748	67,305	67,899
Total current liabilities	524,027	473,167	572,995	558,927	547,799	619,022	763,166	743,432
Deferred credits and other liabilities								
Operating lease liabilities	76,066	84,102	69,494	86,175	102,570	118,953	113,400	128,812
Deferred income taxes	393,275	396,758	397,798	381,535	371,052	380,869	377,150	392,561
Regulatory liabilities	934,764	925,769	922,485	931,291	951,713	947,259	941,586	944,224
Unamortized tax credits	108,286	110,181	111,915	113,516	115,006	114,878	117,868	90,720
Defined benefit pension and other postretirement benefit plans liability	514,075	522,286	530,532	454,150	479,850	470,811	478,763	500,186
Other	115,749	115,104	114,641	107,891	108,700	108,706	113,390	111,231
Total deferred credits and other liabilities	2,142,215	2,154,200	2,146,865	2,074,558	2,128,891	2,141,476	2,142,157	2,167,734
Total capitalization and liabilities	6,547,974	6,494,908	6,457,373	6,322,304	6,332,007	6,335,928	6,388,682	6,260,968
Common Equity	56.82%	56.67%	58.23%	57.68%	57.08%	57.91%	58.16%	58.84%
Total Long-Term Debt	43.18%	43.33%	41.77%	42.32%	42.54%	41.70%	39.16%	38.37%
	100.00%	100.00%	100.00%	100.00%	99.62%	99.61%	97.32%	97.21%

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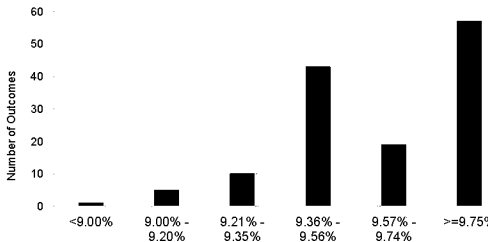
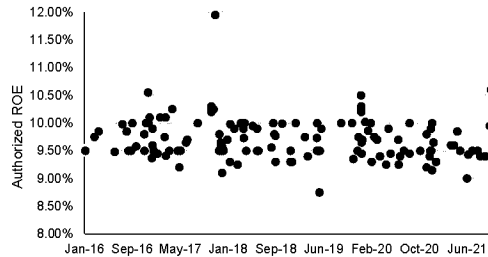
Table 14. Gross Domestic Product by Industry Group: Level and Change from Preceding Period

Line		Billions of dollars						Billions of chained (2012) dollars									
		2020	Seasonally adjusted at annual rates					2020	Seasonally adjusted at annual rates					Change from preceding period			
			2020		2021				2020		2021			2020	2021		
			Q2	Q3	Q4	Q1	Q2		Q2	Q3	Q4	Q1	Q2				
1	Gross domestic product	20,893.7	19,477.4	21,138.6	21,477.6	22,038.2	22,741.0	18,384.7	17,258.2	18,560.8	18,767.8	19,055.7	19,368.3	-648.0	287.9	312.7	
2	Private industries	18,223.1	16,846.5	18,469.7	18,792.2	19,332.8	19,998.2	16,142.3	15,052.8	16,327.1	16,526.9	16,812.2	17,104.6	-631.3	285.3	292.5	
3	Agriculture, forestry, fishing, and hunting	174.5	140.2	172.9	201.2	214.4	254.7	254.7	236.1	261.7	261.3	251.7	243.0	31.3	-9.6	-8.7	
4	Mining	182.1	126.6	170.7	194.5	243.7	265.5	438.6	433.1	412.9	412.8	409.2	416.5	-49.7	-3.6	7.3	
5	Utilities	341.7	337.3	353.4	348.0	374.6	366.4	298.6	299.8	302.7	294.0	287.5	290.2	12.0	-6.5	2.7	
6	Construction	895.9	851.6	898.2	919.3	941.2	951.0	650.4	614.1	653.0	670.0	679.7	690.7	-24.3	9.7	11.0	
7	Manufacturing	2,272.0	2,051.5	2,332.7	2,344.8	2,443.5	2,524.7	2,167.8	1,966.6	2,228.3	2,250.4	2,298.1	2,329.2	-66.1	47.7	31.1	
8	Durable goods	1,268.8	1,134.5	1,314.0	1,318.9	1,346.9	1,375.2	1,178.3	1,048.3	1,214.0	1,233.6	1,272.0	1,285.5	-60.9	38.4	13.5	
9	Nondurable goods	1,003.1	917.0	1,018.8	1,025.9	1,096.7	1,149.5	989.9	920.3	1,014.4	1,016.3	1,025.2	1,042.8	-4.1	8.9	17.6	
10	Wholesale trade	1,243.3	1,136.5	1,275.8	1,279.9	1,319.4	1,377.3	1,083.9	1,010.2	1,106.4	1,102.8	1,112.0	1,122.2	-20.8	9.1	10.2	
11	Retail trade	1,202.2	1,101.6	1,262.0	1,259.6	1,331.5	1,397.5	1,090.5	1,013.0	1,117.5	1,118.0	1,162.8	1,117.5	-32.4	44.9	-45.3	
12	Transportation and warehousing	572.0	499.2	555.0	573.4	594.2	619.8	490.3	427.3	487.0	492.7	503.4	490.7	-75.9	10.6	-12.7	
13	Information	1,167.9	1,120.6	1,186.6	1,205.5	1,240.0	1,296.6	1,296.5	1,255.8	1,323.4	1,330.0	1,376.4	1,456.0	43.7	46.4	79.6	
14	Finance, insurance, real estate, rental, and leasing	4,592.1	4,491.7	4,627.2	4,706.8	4,749.9	4,844.8	3,568.6	3,502.8	3,586.9	3,643.5	3,697.9	3,737.3	10.5	54.3	39.5	
15	Finance and insurance	1,787.7	1,751.1	1,802.9	1,881.9	1,892.6	1,936.3	1,259.5	1,235.0	1,272.1	1,328.3	1,352.3	1,363.8	36.5	24.0	11.5	
16	Real estate and rental and leasing	2,804.4	2,740.6	2,824.3	2,824.8	2,857.3	2,908.6	2,306.8	2,265.6	2,311.3	2,306.0	2,335.6	2,363.9	-31.5	29.5	28.3	
17	Professional and business services	2,689.8	2,536.2	2,692.0	2,772.8	2,854.4	2,925.1	2,483.9	2,339.9	2,483.1	2,557.0	2,633.0	2,707.7	-59.9	76.0	74.7	
18	Professional, scientific, and technical services	1,627.8	1,548.3	1,632.1	1,661.3	1,702.9	1,754.4	1,501.2	1,428.5	1,505.9	1,525.9	1,562.8	1,619.4	-29.2	36.9	56.7	
19	Management of companies and enterprises	410.5	399.1	403.7	427.0	431.1	431.7	439.8	426.2	433.4	463.1	472.0	474.6	6.3	9.0	2.6	
20	Administrative and waste management services	651.6	588.9	656.2	684.5	720.3	739.0	549.8	495.4	549.6	575.5	604.1	618.2	-33.3	28.6	14.2	
21	Educational services, health care, and social assistance	1,798.6	1,611.7	1,842.6	1,869.3	1,884.2	1,911.0	1,560.5	1,400.9	1,590.1	1,611.7	1,607.1	1,631.2	-106.0	-4.6	24.1	
22	Educational services	251.3	240.1	250.7	242.5	247.7	254.3	203.0	194.2	201.6	194.3	198.2	202.6	-25.8	3.8	4.4	
23	Health care and social assistance	1,547.3	1,371.6	1,591.9	1,626.8	1,636.5	1,656.7	1,359.3	1,207.4	1,390.9	1,420.6	1,411.8	1,431.5	-79.2	-8.8	19.7	
24	Arts, entertainment, recreation, accommodation, and food services	672.1	473.7	677.3	688.1	716.1	820.5	516.2	362.4	520.7	521.5	542.4	617.9	-218.7	20.8	75.5	
25	Arts, entertainment, and recreation	163.4	107.8	150.8	166.0	172.9	185.4	132.1	86.1	121.0	134.0	144.8	150.3	-72.2	10.8	5.5	
26	Accommodation and food services	508.7	365.9	526.5	522.2	543.2	635.1	383.6	275.5	398.4	387.1	397.7	466.1	-147.3	10.6	68.4	
27	Other services, except government	419.0	368.1	423.3	429.0	425.8	443.2	323.0	285.2	324.5	326.4	318.9	332.0	-45.9	-7.4	13.1	
28	Government	2,670.6	2,630.9	2,668.9	2,685.4	2,705.4	2,742.7	2,195.5	2,155.2	2,189.5	2,194.6	2,199.9	2,218.3	-20.8	5.3	18.4	
29	Federal	848.4	843.1	858.5	860.7	866.5	875.1	734.3	732.5	741.2	737.3	736.5	737.4	20.3	-0.8	0.8	
30	State and local	1,822.3	1,787.8	1,810.4	1,824.7	1,838.9	1,867.6	1,462.4	1,424.8	1,450.3	1,458.8	1,464.7	1,482.0	-39.3	5.9	17.3	
	Addenda:																
31	Private goods-producing industries ¹	3,524.4	3,169.9	3,574.5	3,659.8	3,842.8	3,995.9	3,523.4	3,246.1	3,585.8	3,631.3	3,683.7	3,726.2	-104.3	52.4	42.4	
32	Private services-producing industries ²	14,698.7	13,676.6	14,895.2	15,132.4	15,490.0	16,002.4	12,619.5	11,801.4	12,745.2	12,899.8	13,131.3	13,379.1	-522.9	231.5	247.8	

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

Date	Auth. ROE	Lawton (CEP)	Sears (Staff) / Gorman (TIEC)	Reno (DOD/FEA)	LaConte (FMI)															
1/6/2016	9.50%	9.00%	9.20%	9.35%	9.56%	2016														
2/23/2016	9.75%	9.00%	9.20%	9.35%	9.56%	2016														
3/16/2016	9.85%	9.00%	9.20%	9.35%	9.56%	2016														
6/8/2016	9.48%	9.00%	9.20%	9.35%	9.56%	2016														
7/18/2016	9.98%	9.00%	9.20%	9.35%	9.56%	2016														
8/9/2016	9.85%	9.00%	9.20%	9.35%	9.56%	2016														
8/18/2016	9.50%	9.00%	9.20%	9.35%	9.56%	2016														
9/1/2016	9.50%	9.00%	9.20%	9.35%	9.56%	2016														
9/8/2016	10.00%	9.00%	9.20%	9.35%	9.56%	2016														
9/28/2016	9.58%	9.00%	9.20%	9.35%	9.56%	2016														
11/9/2016	9.80%	9.00%	9.20%	9.35%	9.56%	2016														
11/10/2016	9.50%	9.00%	9.20%	9.35%	9.56%	2016														
11/18/2016	10.00%	9.00%	9.20%	9.35%	9.56%	2016														
11/29/2016	10.55%	9.00%	9.20%	9.35%	9.56%	2016														
12/1/2016	10.00%	9.00%	9.20%	9.35%	9.56%	2016														
12/7/2016	10.10%	9.00%	9.20%	9.35%	9.56%	2016														
12/19/2016	9.37%	9.00%	9.20%	9.35%	9.56%	2016														
12/22/2016	9.60%	9.00%	9.20%	9.35%	9.56%	2016														
12/22/2016	9.90%	9.00%	9.20%	9.35%	9.56%	2016														
12/28/2016	9.50%	9.00%	9.20%	9.35%	9.56%	2016														
1/18/2017	9.45%	9.00%	9.20%	9.35%	9.56%	2017														
1/31/2017	10.10%	9.00%	9.20%	9.35%	9.56%	2017														
2/24/2017	9.75%	9.00%	9.20%	9.35%	9.56%	2017														
2/28/2017	10.10%	9.00%	9.20%	9.35%	9.56%	2017														
3/2/2017	9.41%	9.00%	9.20%	9.35%	9.56%	2017														
3/20/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
4/4/2017	10.25%	9.00%	9.20%	9.35%	9.56%	2017														
5/3/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
5/11/2017	9.20%	9.00%	9.20%	9.35%	9.56%	2017														
5/18/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
6/16/2017	9.65%	9.00%	9.20%	9.35%	9.56%	2017														
6/22/2017	9.70%	9.00%	9.20%	9.35%	9.56%	2017														
6/22/2017	9.70%	9.00%	9.20%	9.35%	9.56%	2017														
8/15/2017	10.00%	9.00%	9.20%	9.35%	9.56%	2017														
10/26/2017	10.20%	9.00%	9.20%	9.35%	9.56%	2017														
10/26/2017	10.25%	9.00%	9.20%	9.35%	9.56%	2017														
10/26/2017	10.30%	9.00%	9.20%	9.35%	9.56%	2017														
11/6/2017	10.25%	9.00%	9.20%	9.35%	9.56%	2017														
11/15/2017	11.95%	9.00%	9.20%	9.35%	9.56%	2017														
12/5/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
12/7/2017	9.80%	9.00%	9.20%	9.35%	9.56%	2017														
12/14/2017	9.60%	9.00%	9.20%	9.35%	9.56%	2017														
12/14/2017	9.65%	9.00%	9.20%	9.35%	9.56%	2017														
12/18/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
12/20/2017	9.58%	9.00%	9.20%	9.35%	9.56%	2017														
12/21/2017	9.10%	9.00%	9.20%	9.35%	9.56%	2017														
12/28/2017	9.50%	9.00%	9.20%	9.35%	9.56%	2017														
12/29/2017	9.51%	9.00%	9.20%	9.35%	9.56%	2017														
1/18/2018	9.70%	9.00%	9.20%	9.35%	9.56%	2018														
1/31/2018	9.30%	9.00%	9.20%	9.35%	9.56%	2018														



2016-2020
Percent Rank

9.00%	0.70%
9.20%	2.90%
9.35%	11.10%
9.56%	43.20%

of Obs
(2016-2021)

<9.00%	1
9.00% - 9.20%	5
9.21% - 9.35%	10
9.36% - 9.56%	43
9.57% - 9.74%	19
>=9.75%	57
% > 9.75%	42%
9% - 9.35%	11.9%

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Source: S&P Capital IQ

30y US T-Bond YIELD		Date		Y Mr. Gorman's Proxy Gro Price/Value	X 30y US T-Bond (right axis) YIELD	
10/29/2021	1.93	10/29/2021		441.5175	1.93%	2.6413595
10/28/2021	1.96	10/28/2021		444.54	1.96%	
10/27/2021	1.95	10/27/2021		440.7217	1.95%	
10/26/2021	2.05	10/26/2021		444.1402	2.05%	
10/25/2021	2.09	10/25/2021		441.2521	2.09%	
10/22/2021	2.08	10/22/2021		443.6622	2.08%	
10/21/2021	2.13	10/21/2021		442.5172	2.13%	
10/20/2021	2.12	10/20/2021		442.3929	2.12%	
10/19/2021	2.09	10/19/2021		435.5155	2.09%	
10/18/2021	2.01	10/18/2021		431.5953	2.01%	
10/15/2021	2.05	10/15/2021		436.0221	2.05%	
10/14/2021	2.02	10/14/2021		436.2665	2.02%	
10/13/2021	2.05	10/13/2021		430.529	2.05%	
10/12/2021	2.10	10/12/2021		425.3107	2.10%	
10/11/2021	2.16	10/11/2021		422.2342	2.16%	
10/8/2021	2.16	10/8/2021		430.0364	2.16%	
10/7/2021	2.13	10/7/2021		433.4856	2.13%	
10/6/2021	2.08	10/6/2021		435.9184	2.08%	
10/5/2021	2.10	10/5/2021		428.8252	2.10%	
10/4/2021	2.05	10/4/2021		429.643	2.05%	
10/1/2021	2.04	10/1/2021		424.5251	2.04%	
9/30/2021	2.08	9/30/2021		423.6995	2.08%	
9/29/2021	2.09	9/29/2021		426.5699	2.09%	
9/28/2021	2.07	9/28/2021		420.7751	2.07%	
9/27/2021	1.99	9/27/2021		425.655	1.99%	
9/24/2021	1.99	9/24/2021		432.3228	1.99%	
9/23/2021	1.92	9/23/2021		433.8739	1.92%	
9/22/2021	1.84	9/22/2021		436.6844	1.84%	
9/21/2021	1.86	9/21/2021		437.4053	1.86%	
9/20/2021	1.85	9/20/2021		438.1331	1.85%	
9/17/2021	1.91	9/17/2021		439.1919	1.91%	
9/16/2021	1.88	9/16/2021		447.9759	1.88%	
9/15/2021	1.87	9/15/2021		451.3786	1.87%	
9/14/2021	1.85	9/14/2021		453.1087	1.85%	
9/13/2021	1.91	9/13/2021		454.5931	1.91%	
9/10/2021	1.94	9/10/2021		456.4076	1.94%	
9/9/2021	1.90	9/9/2021		462.895	1.90%	
9/8/2021	1.95	9/8/2021		465.4502	1.95%	
9/7/2021	1.99	9/7/2021		456.9194	1.99%	
9/6/2021	1.94	9/3/2021		462.6621	1.94%	
9/3/2021	1.94	9/2/2021		466.7176	1.90%	
9/2/2021	1.90	9/1/2021		462.7119	1.92%	
9/1/2021	1.92	8/31/2021		456.6518	1.92%	
8/31/2021	1.92	8/30/2021		456.8137	1.90%	
8/30/2021	1.90	8/27/2021		456.0594	1.91%	
8/27/2021	1.91	8/26/2021		456.646	1.94%	
8/26/2021	1.94	8/25/2021		457.9944	1.96%	
8/25/2021	1.96	8/24/2021		456.9064	1.91%	
8/24/2021	1.91	8/23/2021		460.3599	1.87%	
8/23/2021	1.87	8/20/2021		467.6553	1.87%	
8/20/2021	1.87	8/19/2021		461.3838	1.88%	
8/19/2021	1.88	8/18/2021		459.6975	1.91%	
8/18/2021	1.91	8/17/2021		460.9194	1.92%	
8/17/2021	1.92	8/16/2021		460.1196	1.92%	
8/16/2021	1.92	8/13/2021		456.8309	1.94%	
8/13/2021	1.94	8/12/2021		454.5802	2.03%	
8/12/2021	2.03	8/11/2021		454.1729	1.99%	
8/11/2021	1.99	8/10/2021		449.3366	1.99%	
8/10/2021	1.99	8/9/2021		449.1248	1.96%	
8/9/2021	1.96	8/6/2021		449.0084	1.94%	
8/6/2021	1.94	8/5/2021		448.8011	1.86%	
8/5/2021	1.86	8/4/2021		444.5989	1.83%	
8/4/2021	1.83	8/3/2021		444.6505	1.85%	
8/3/2021	1.85	8/2/2021		441.9496	1.86%	
8/2/2021	1.86	7/30/2021		438.632	1.89%	
7/30/2021	1.89	7/29/2021		441.6761	1.91%	
7/29/2021	1.91	7/28/2021		440.4945	1.90%	
7/28/2021	1.90	7/27/2021		443.3043	1.89%	
7/27/2021	1.89	7/26/2021		436.4431	1.93%	

7/26/2021	1.93	7/23/2021	436.1282	1.92%
7/23/2021	1.92	7/22/2021	429.8417	1.90%
7/22/2021	1.90	7/21/2021	429.122	1.94%
7/21/2021	1.94	7/20/2021	434.7302	1.88%
7/20/2021	1.88	7/19/2021	433.226	1.81%
7/19/2021	1.81	7/16/2021	439.1607	1.93%
7/16/2021	1.93	7/15/2021	434.7072	1.92%
7/15/2021	1.92	7/14/2021	428.995	1.98%
7/14/2021	1.98	7/13/2021	424.8437	2.04%
7/13/2021	2.04	7/12/2021	427.206	2.00%
7/12/2021	2.00	7/9/2021	426.0289	1.99%
7/9/2021	1.99	7/8/2021	425.6977	1.91%
7/8/2021	1.91	7/7/2021	426.7067	1.94%
7/7/2021	1.94	7/6/2021	424.526	2.00%
7/6/2021	2.00	7/2/2021	422.3122	2.05%
7/5/2021	2.05	7/1/2021	422.3755	2.07%
7/2/2021	2.05	6/30/2021	420.3001	2.06%
7/1/2021	2.07	6/29/2021	421.2501	2.10%
6/30/2021	2.06	6/28/2021	428.302	2.10%
6/29/2021	2.10	6/25/2021	425.7919	2.16%
6/28/2021	2.10	6/24/2021	420.4678	2.10%
6/25/2021	2.16	6/23/2021	421.6335	2.11%
6/24/2021	2.10	6/22/2021	425.9697	2.10%
6/23/2021	2.11	6/21/2021	428.3397	2.11%
6/22/2021	2.10	6/18/2021	422.4171	2.01%
6/21/2021	2.11	6/17/2021	433.5047	2.11%
6/18/2021	2.01	6/16/2021	430.6168	2.20%
6/17/2021	2.11	6/15/2021	435.7818	2.20%
6/16/2021	2.20	6/14/2021	434.5257	2.19%
6/15/2021	2.20	6/11/2021	435.3062	2.15%
6/14/2021	2.19	6/10/2021	435.0366	2.15%
6/11/2021	2.15	6/9/2021	431.9014	2.17%
6/10/2021	2.15	6/8/2021	428.6683	2.21%
6/9/2021	2.17	6/7/2021	434.0143	2.25%
6/8/2021	2.21	6/4/2021	433.4162	2.24%
6/7/2021	2.25	6/3/2021	433.6781	2.30%
6/4/2021	2.24	6/2/2021	432.3027	2.28%
6/3/2021	2.30	6/1/2021	429.8671	2.30%
6/2/2021	2.28	5/28/2021	433.8563	2.26%
6/1/2021	2.30	5/27/2021	431.8291	2.29%
5/31/2021	2.26	5/26/2021	434.1965	2.27%
5/28/2021	2.26	5/25/2021	434.7687	2.26%
5/27/2021	2.29	5/24/2021	439.05	2.31%
5/26/2021	2.27	5/21/2021	440.01	2.33%
5/25/2021	2.26	5/20/2021	437.9781	2.34%
5/24/2021	2.31	5/19/2021	433.7429	2.38%
5/21/2021	2.33	5/18/2021	433.3931	2.37%
5/20/2021	2.34	5/17/2021	433.0237	2.36%
5/19/2021	2.38	5/14/2021	438.1198	2.35%
5/18/2021	2.37	5/13/2021	436.8148	2.39%
5/17/2021	2.36	5/12/2021	429.6733	2.40%
5/14/2021	2.35	5/11/2021	440.0643	2.35%
5/13/2021	2.39	5/10/2021	446.7543	2.32%
5/12/2021	2.40	5/7/2021	443.3722	2.28%
5/11/2021	2.35	5/6/2021	442.5328	2.24%
5/10/2021	2.32	5/5/2021	438.9165	2.25%
5/7/2021	2.28	5/4/2021	446.26	2.27%
5/6/2021	2.24	5/3/2021	447.5205	2.30%
5/5/2021	2.25	4/30/2021	448.396	2.30%
5/4/2021	2.27	4/29/2021	444.7987	2.31%
5/3/2021	2.30	4/28/2021	440.6405	2.29%
4/30/2021	2.30	4/27/2021	441.186	2.29%
4/29/2021	2.31	4/26/2021	444.7947	2.24%
4/28/2021	2.29	4/23/2021	446.9841	2.25%
4/27/2021	2.29	4/22/2021	447.716	2.24%
4/26/2021	2.24	4/21/2021	449.544	2.26%
4/23/2021	2.25	4/20/2021	456.3489	2.27%
4/22/2021	2.24	4/19/2021	449.8219	2.29%
4/21/2021	2.26	4/16/2021	452.0947	2.26%
4/20/2021	2.27	4/15/2021	448.1696	2.23%
4/19/2021	2.29	4/14/2021	442.544	2.32%
4/16/2021	2.26	4/13/2021	441.0389	2.32%
4/15/2021	2.23	4/12/2021	435.655	2.34%

4/14/2021	2.32	4/9/2021	434.92	2.34%
4/13/2021	2.32	4/8/2021	435.318	2.32%
4/12/2021	2.34	4/7/2021	435.8972	2.35%
4/9/2021	2.34	4/6/2021	437.0261	2.32%
4/8/2021	2.32	4/5/2021	434.5391	2.36%
4/7/2021	2.35	4/1/2021	430.0154	2.34%
4/6/2021	2.32	3/31/2021	429.0302	2.41%
4/5/2021	2.36	3/30/2021	425.4103	2.38%
4/2/2021	2.35	3/29/2021	429.9393	2.43%
4/1/2021	2.34	3/26/2021	425.344	2.37%
3/31/2021	2.41	3/25/2021	423.518	2.34%
3/30/2021	2.38	3/24/2021	419.899	2.31%
3/29/2021	2.43	3/23/2021	421.2147	2.34%
3/26/2021	2.37	3/22/2021	412.1349	2.38%
3/25/2021	2.34	3/19/2021	411.7278	2.45%
3/24/2021	2.31	3/18/2021	411.2555	2.45%
3/23/2021	2.34	3/17/2021	414.2627	2.42%
3/22/2021	2.38	3/16/2021	421.7973	2.38%
3/19/2021	2.45	3/15/2021	421.3137	2.37%
3/18/2021	2.45	3/12/2021	415.8943	2.40%
3/17/2021	2.42	3/11/2021	410.2896	2.29%
3/16/2021	2.38	3/10/2021	411.8012	2.24%
3/15/2021	2.37	3/9/2021	407.9096	2.26%
3/12/2021	2.40	3/8/2021	402.0357	2.31%
3/11/2021	2.29	3/5/2021	396.782	2.28%
3/10/2021	2.24	3/4/2021	391.4988	2.30%
3/9/2021	2.26	3/3/2021	391.8132	2.25%
3/8/2021	2.31	3/2/2021	398.6462	2.21%
3/5/2021	2.28	3/1/2021	399.3984	2.23%
3/4/2021	2.30	2/26/2021	390.7049	2.17%
3/3/2021	2.25	2/25/2021	396.5751	2.33%
3/2/2021	2.21	2/24/2021	398.4196	2.24%
3/1/2021	2.23	2/23/2021	403.839	2.21%
2/26/2021	2.17	2/22/2021	400.4709	2.19%
2/25/2021	2.33	2/19/2021	409.9704	2.14%
2/24/2021	2.24	2/18/2021	417.0339	2.08%
2/23/2021	2.21	2/17/2021	413.7178	2.06%
2/22/2021	2.19	2/16/2021	413.6348	2.08%
2/19/2021	2.14	2/12/2021	419.8917	2.01%
2/18/2021	2.08	2/11/2021	423.337	1.94%
2/17/2021	2.06	2/10/2021	425.2602	1.92%
2/16/2021	2.08	2/9/2021	423.4694	1.95%
2/15/2021	2.01	2/8/2021	422.9697	1.96%
2/12/2021	2.01	2/5/2021	426.6803	1.97%
2/11/2021	1.94	2/4/2021	424.1299	1.93%
2/10/2021	1.92	2/3/2021	421.6036	1.92%
2/9/2021	1.95	2/2/2021	423.3725	1.87%
2/8/2021	1.96	2/1/2021	419.8927	1.84%
2/5/2021	1.97	1/29/2021	417.556	1.87%
2/4/2021	1.93	1/28/2021	421.7156	1.81%
2/3/2021	1.92	1/27/2021	416.9097	1.79%
2/2/2021	1.87	1/26/2021	430.0311	1.80%
2/1/2021	1.84	1/25/2021	435.8872	1.80%
1/29/2021	1.87	1/22/2021	426.8267	1.85%
1/28/2021	1.81	1/21/2021	425.2115	1.87%
1/27/2021	1.79	1/20/2021	427.7064	1.84%
1/26/2021	1.80	1/19/2021	425.0424	1.84%
1/25/2021	1.80	1/15/2021	424.0765	1.85%
1/22/2021	1.85	1/14/2021	420.5395	1.88%
1/21/2021	1.87	1/13/2021	421.453	1.82%
1/20/2021	1.84	1/12/2021	413.2471	1.88%
1/19/2021	1.84	1/11/2021	417.281	1.88%
1/18/2021	1.85	1/8/2021	422.1435	1.87%
1/15/2021	1.85	1/7/2021	418.5563	1.85%
1/14/2021	1.88	1/6/2021	423.2054	1.81%
1/13/2021	1.82	1/5/2021	411.2508	1.70%
1/12/2021	1.88	1/4/2021	411.3323	1.66%
1/11/2021	1.88	12/31/2020	422.9475	1.65%
1/8/2021	1.87	12/30/2020	416.3277	1.66%
1/7/2021	1.85	12/29/2020	413.5025	1.67%
1/6/2021	1.81	12/28/2020	413.593	1.67%
1/5/2021	1.70	12/24/2020	411.244	1.66%
1/4/2021	1.66	12/23/2020	408.0499	1.70%

1/1/2021	1.65	12/22/2020	410.3089	1.65%
12/31/2020	1.65	12/21/2020	410.8015	1.68%
12/30/2020	1.66	12/18/2020	415.1632	1.70%
12/29/2020	1.67	12/17/2020	419.2635	1.68%
12/28/2020	1.67	12/16/2020	415.9882	1.66%
12/25/2020	1.66	12/15/2020	420.0648	1.65%
12/24/2020	1.66	12/14/2020	412.7568	1.63%
12/23/2020	1.70	12/11/2020	415.3818	1.63%
12/22/2020	1.65	12/10/2020	414.3833	1.65%
12/21/2020	1.68	12/9/2020	417.1997	1.69%
12/18/2020	1.70	12/8/2020	417.7233	1.67%
12/17/2020	1.68	12/7/2020	419.0886	1.69%
12/16/2020	1.66	12/4/2020	416.2307	1.73%
12/15/2020	1.65	12/3/2020	420.3001	1.67%
12/14/2020	1.63	12/2/2020	425.2437	1.70%
12/11/2020	1.63	12/1/2020	422.4168	1.66%
12/10/2020	1.65	11/30/2020	419.1376	1.58%
12/9/2020	1.69	11/27/2020	425.444	1.57%
12/8/2020	1.67	11/25/2020	430.0492	1.62%
12/7/2020	1.69	11/24/2020	427.6085	1.60%
12/4/2020	1.73	11/23/2020	423.7675	1.56%
12/3/2020	1.67	11/20/2020	425.0228	1.53%
12/2/2020	1.70	11/19/2020	423.788	1.58%
12/1/2020	1.66	11/18/2020	428.6745	1.62%
11/30/2020	1.58	11/17/2020	437.1564	1.62%
11/27/2020	1.57	11/16/2020	447.3768	1.66%
11/26/2020	1.62	11/13/2020	442.5218	1.65%
11/25/2020	1.62	11/12/2020	439.0462	1.64%
11/24/2020	1.60	11/11/2020	445.9054	1.75%
11/23/2020	1.56	11/10/2020	443.4441	1.75%
11/20/2020	1.53	11/9/2020	438.0734	1.73%
11/19/2020	1.58	11/6/2020	430.8351	1.60%
11/18/2020	1.62	11/5/2020	430.2728	1.54%
11/17/2020	1.62	11/4/2020	426.6891	1.55%
11/16/2020	1.66	11/3/2020	434.7587	1.66%
11/13/2020	1.65	11/2/2020	429.6311	1.63%
11/12/2020	1.64	10/30/2020	419.5701	1.65%
11/11/2020	1.75	10/29/2020	422.7342	1.62%
11/10/2020	1.75	10/28/2020	423.3523	1.56%
11/9/2020	1.73	10/27/2020	435.0151	1.57%
11/6/2020	1.60	10/26/2020	435.2599	1.59%
11/5/2020	1.54	10/23/2020	434.884	1.64%
11/4/2020	1.55	10/22/2020	433.0877	1.67%
11/3/2020	1.66	10/21/2020	426.4952	1.62%
11/2/2020	1.63	10/20/2020	426.8946	1.60%
10/30/2020	1.65	10/19/2020	424.5765	1.55%
10/29/2020	1.62	10/16/2020	429.6867	1.52%
10/28/2020	1.56	10/15/2020	423.3571	1.52%
10/27/2020	1.57	10/14/2020	423.9172	1.50%
10/26/2020	1.59	10/13/2020	424.8719	1.52%
10/23/2020	1.64	10/12/2020	429.8428	1.58%
10/22/2020	1.67	10/9/2020	426.9471	1.58%
10/21/2020	1.62	10/8/2020	426.4812	1.57%
10/20/2020	1.60	10/7/2020	420.0344	1.60%
10/19/2020	1.55	10/6/2020	417.5869	1.56%
10/16/2020	1.52	10/5/2020	413.1798	1.57%
10/15/2020	1.52	10/2/2020	406.8158	1.48%
10/14/2020	1.50	10/1/2020	403.3838	1.45%
10/13/2020	1.52	9/30/2020	398.1153	1.46%
10/12/2020	1.58	9/29/2020	398.2722	1.41%
10/9/2020	1.58	9/28/2020	399.192	1.42%
10/8/2020	1.57	9/25/2020	397.7842	1.40%
10/7/2020	1.60	9/24/2020	391.5166	1.40%
10/6/2020	1.56	9/23/2020	387.0347	1.42%
10/5/2020	1.57	9/22/2020	392.7832	1.42%
10/2/2020	1.48	9/21/2020	390.0056	1.43%
10/1/2020	1.45	9/18/2020	391.2528	1.45%
9/30/2020	1.46	9/17/2020	397.2533	1.43%
9/29/2020	1.41	9/16/2020	400.3383	1.45%
9/28/2020	1.42	9/15/2020	405.6477	1.43%
9/25/2020	1.40	9/14/2020	399.0982	1.42%
9/24/2020	1.40	9/11/2020	393.8553	1.42%
9/23/2020	1.42	9/10/2020	393.2473	1.43%

9/22/2020	1.42	9/9/2020	401.5817	1.45%
9/21/2020	1.43	9/8/2020	396.6156	1.43%
9/18/2020	1.45	9/4/2020	397.7635	1.46%
9/17/2020	1.43	9/3/2020	400.6461	1.34%
9/16/2020	1.45	9/2/2020	407.1579	1.38%
9/15/2020	1.43	9/1/2020	394.3225	1.43%
9/14/2020	1.42	8/31/2020	398.0943	1.49%
9/11/2020	1.42	8/28/2020	397.3344	1.52%
9/10/2020	1.43	8/27/2020	395.7924	1.50%
9/9/2020	1.45	8/26/2020	393.777	1.41%
9/8/2020	1.43	8/25/2020	398.4052	1.39%
9/7/2020	1.46	8/24/2020	401.8755	1.35%
9/4/2020	1.46	8/21/2020	398.6729	1.35%
9/3/2020	1.34	8/20/2020	398.0133	1.38%
9/2/2020	1.38	8/19/2020	401.344	1.42%
9/1/2020	1.43	8/18/2020	402.4425	1.40%
8/31/2020	1.49	8/17/2020	403.5725	1.43%
8/28/2020	1.52	8/14/2020	403.7345	1.45%
8/27/2020	1.50	8/13/2020	407.8168	1.42%
8/26/2020	1.41	8/12/2020	409.3189	1.37%
8/25/2020	1.39	8/11/2020	403.7593	1.32%
8/24/2020	1.35	8/10/2020	413.5689	1.25%
8/21/2020	1.35	8/7/2020	414.8008	1.23%
8/20/2020	1.38	8/6/2020	407.3007	1.20%
8/19/2020	1.42	8/5/2020	405.6919	1.22%
8/18/2020	1.40	8/4/2020	410.4549	1.19%
8/17/2020	1.43	8/3/2020	406.0397	1.23%
8/14/2020	1.45	7/31/2020	411.4092	1.20%
8/13/2020	1.42	7/30/2020	411.8543	1.20%
8/12/2020	1.37	7/29/2020	411.0777	1.24%
8/11/2020	1.32	7/28/2020	409.1752	1.22%
8/10/2020	1.25	7/27/2020	404.1846	1.25%
8/7/2020	1.23	7/24/2020	409.4663	1.23%
8/6/2020	1.20	7/23/2020	412.0442	1.24%
8/5/2020	1.22	7/22/2020	411.7918	1.29%
8/4/2020	1.19	7/21/2020	403.1219	1.31%
8/3/2020	1.23	7/20/2020	399.454	1.32%
7/31/2020	1.20	7/17/2020	402.946	1.33%
7/30/2020	1.20	7/16/2020	393.7444	1.31%
7/29/2020	1.24	7/15/2020	387.2022	1.33%
7/28/2020	1.22	7/14/2020	390.7144	1.30%
7/27/2020	1.25	7/13/2020	385.6174	1.33%
7/24/2020	1.23	7/10/2020	386.644	1.33%
7/23/2020	1.24	7/9/2020	378.5022	1.32%
7/22/2020	1.29	7/8/2020	382.0293	1.39%
7/21/2020	1.31	7/7/2020	378.0008	1.38%
7/20/2020	1.32	7/6/2020	379.1084	1.45%
7/17/2020	1.33	7/2/2020	380.2136	1.43%
7/16/2020	1.31	7/1/2020	379.1636	1.43%
7/15/2020	1.33	6/30/2020	370.1867	1.41%
7/14/2020	1.30	6/29/2020	367.9546	1.39%
7/13/2020	1.33	6/26/2020	362.6869	1.37%
7/10/2020	1.33	6/25/2020	365.9678	1.43%
7/9/2020	1.32	6/24/2020	370.5772	1.44%
7/8/2020	1.39	6/23/2020	374.0024	1.49%
7/7/2020	1.38	6/22/2020	378.7214	1.46%
7/6/2020	1.45	6/19/2020	372.8628	1.47%
7/3/2020	1.43	6/18/2020	383.4467	1.47%
7/2/2020	1.43	6/17/2020	383.209	1.52%
7/1/2020	1.43	6/16/2020	383.5299	1.54%
6/30/2020	1.41	6/15/2020	382.9389	1.45%
6/29/2020	1.39	6/12/2020	381.1487	1.45%
6/26/2020	1.37	6/11/2020	382.7248	1.41%
6/25/2020	1.43	6/10/2020	399.2818	1.53%
6/24/2020	1.44	6/9/2020	401.6103	1.59%
6/23/2020	1.49	6/8/2020	407.9756	1.65%
6/22/2020	1.46	6/5/2020	397.733	1.68%
6/19/2020	1.47	6/4/2020	392.8563	1.61%
6/18/2020	1.47	6/3/2020	402.0672	1.56%
6/17/2020	1.52	6/2/2020	397.3082	1.48%
6/16/2020	1.54	6/1/2020	395.1768	1.46%
6/15/2020	1.45	5/29/2020	392.7389	1.41%
6/12/2020	1.45	5/28/2020	389.0786	1.47%

6/11/2020	1.41	5/27/2020	375.8085	1.44%
6/10/2020	1.53	5/26/2020	370.5799	1.43%
6/9/2020	1.59	5/22/2020	367.4895	1.37%
6/8/2020	1.65	5/21/2020	362.9027	1.40%
6/5/2020	1.68	5/20/2020	367.3025	1.40%
6/4/2020	1.61	5/19/2020	363.1508	1.43%
6/3/2020	1.56	5/18/2020	370.4859	1.44%
6/2/2020	1.48	5/15/2020	356.6615	1.32%
6/1/2020	1.46	5/14/2020	361.4281	1.30%
5/29/2020	1.41	5/13/2020	358.8501	1.35%
5/28/2020	1.47	5/12/2020	362.0452	1.38%
5/27/2020	1.44	5/11/2020	364.715	1.43%
5/26/2020	1.43	5/8/2020	367.032	1.39%
5/25/2020	1.37	5/7/2020	359.3885	1.31%
5/22/2020	1.37	5/6/2020	358.5066	1.41%
5/21/2020	1.40	5/5/2020	372.7299	1.32%
5/20/2020	1.40	5/4/2020	370.0859	1.29%
5/19/2020	1.43	5/1/2020	366.3109	1.27%
5/18/2020	1.44	4/30/2020	375.9993	1.28%
5/15/2020	1.32	4/29/2020	383.0903	1.24%
5/14/2020	1.30	4/28/2020	387.9962	1.20%
5/13/2020	1.35	4/27/2020	386.924	1.25%
5/12/2020	1.38	4/24/2020	383.4738	1.17%
5/11/2020	1.43	4/23/2020	382.6152	1.18%
5/8/2020	1.39	4/22/2020	389.965	1.22%
5/7/2020	1.31	4/21/2020	377.0537	1.17%
5/6/2020	1.41	4/20/2020	380.1377	1.23%
5/5/2020	1.32	4/17/2020	396.5663	1.27%
5/4/2020	1.29	4/16/2020	384.9934	1.21%
5/1/2020	1.27	4/15/2020	384.0976	1.27%
4/30/2020	1.28	4/14/2020	396.8269	1.41%
4/29/2020	1.24	4/13/2020	386.4663	1.39%
4/28/2020	1.20	4/9/2020	400.9622	1.35%
4/27/2020	1.25	4/8/2020	383.6878	1.37%
4/24/2020	1.17	4/7/2020	366.0369	1.32%
4/23/2020	1.18	4/6/2020	372.1308	1.27%
4/22/2020	1.22	4/3/2020	345.0943	1.24%
4/21/2020	1.17	4/2/2020	358.0493	1.26%
4/20/2020	1.23	4/1/2020	345.5614	1.27%
4/17/2020	1.27	3/31/2020	372.1692	1.35%
4/16/2020	1.21	3/30/2020	388.7505	1.31%
4/15/2020	1.27	3/27/2020	373.1654	1.29%
4/14/2020	1.41	3/26/2020	369.4565	1.42%
4/13/2020	1.39	3/25/2020	339.2513	1.45%
4/10/2020	1.35	3/24/2020	331.7438	1.39%
4/9/2020	1.35	3/23/2020	299.3342	1.33%
4/8/2020	1.37	3/20/2020	312.8377	1.55%
4/7/2020	1.32	3/19/2020	348.1988	1.78%
4/6/2020	1.27	3/18/2020	366.7412	1.77%
4/3/2020	1.24	3/17/2020	383.2164	1.63%
4/2/2020	1.26	3/16/2020	340.5973	1.34%
4/1/2020	1.27	3/13/2020	379.6818	1.56%
3/31/2020	1.35	3/12/2020	359.546	1.49%
3/30/2020	1.31	3/11/2020	400.6198	1.30%
3/27/2020	1.29	3/10/2020	421.7101	1.28%
3/26/2020	1.42	3/9/2020	421.2869	0.99%
3/25/2020	1.45	3/6/2020	443.421	1.25%
3/24/2020	1.39	3/5/2020	446.9924	1.56%
3/23/2020	1.33	3/4/2020	452.5176	1.67%
3/20/2020	1.55	3/3/2020	427.7664	1.64%
3/19/2020	1.78	3/2/2020	431.092	1.66%
3/18/2020	1.77	2/28/2020	406.7756	1.65%
3/17/2020	1.63	2/27/2020	420.0303	1.79%
3/16/2020	1.34	2/26/2020	441.6751	1.81%
3/13/2020	1.56	2/25/2020	444.3969	1.80%
3/12/2020	1.49	2/24/2020	452.512	1.84%
3/11/2020	1.30	2/21/2020	457.945	1.90%
3/10/2020	1.28	2/20/2020	458.9199	1.97%
3/9/2020	0.99	2/19/2020	457.8285	2.01%
3/6/2020	1.25	2/18/2020	463.6909	2.00%
3/5/2020	1.56	2/14/2020	459.7948	2.04%
3/4/2020	1.67	2/13/2020	457.0492	2.07%
3/3/2020	1.64	2/12/2020	451.3595	2.09%

3/2/2020	1.66	2/11/2020	452.3875	2.05%
2/28/2020	1.65	2/10/2020	451.899	2.03%
2/27/2020	1.79	2/7/2020	449.7413	2.05%
2/26/2020	1.81	2/6/2020	450.6071	2.11%
2/25/2020	1.80	2/5/2020	450.0029	2.14%
2/24/2020	1.84	2/4/2020	449.1008	2.08%
2/21/2020	1.90	2/3/2020	453.8053	2.01%
2/20/2020	1.97	1/31/2020	453.1446	1.99%
2/19/2020	2.01	1/30/2020	454.666	2.04%
2/18/2020	2.00	1/29/2020	448.9493	2.05%
2/17/2020	2.04	1/28/2020	448.0943	2.10%
2/14/2020	2.04	1/27/2020	447.5252	2.05%
2/13/2020	2.07	1/24/2020	446.6805	2.14%
2/12/2020	2.09	1/23/2020	443.3036	2.18%
2/11/2020	2.05	1/22/2020	440.0946	2.22%
2/10/2020	2.03	1/21/2020	437.8611	2.23%
2/7/2020	2.05	1/17/2020	433.5038	2.29%
2/6/2020	2.11	1/16/2020	430.2746	2.26%
2/5/2020	2.14	1/15/2020	427.1544	2.23%
2/4/2020	2.08	1/14/2020	421.4075	2.27%
2/3/2020	2.01	1/13/2020	419.727	2.30%
1/31/2020	1.99	1/10/2020	415.5118	2.28%
1/30/2020	2.04	1/9/2020	413.7403	2.38%
1/29/2020	2.05	1/8/2020	410.786	2.35%
1/28/2020	2.10	1/7/2020	411.0528	2.31%
1/27/2020	2.05	1/6/2020	411.6829	2.28%
1/24/2020	2.14	1/3/2020	410.7149	2.26%
1/23/2020	2.18	1/2/2020	409.3159	2.33%
1/22/2020	2.22	12/31/2019	415.4939	2.39%
1/21/2020	2.23	12/30/2019	413.6772	2.34%
1/20/2020	2.29	12/27/2019	414.1677	2.32%
1/17/2020	2.29	12/26/2019	412.788	2.33%
1/16/2020	2.26	12/24/2019	412.0231	2.33%
1/15/2020	2.23	12/23/2019	411.2837	2.35%
1/14/2020	2.27	12/20/2019	416.8452	2.34%
1/13/2020	2.30	12/19/2019	413.3318	2.35%
1/10/2020	2.28	12/18/2019	413.4711	2.35%
1/9/2020	2.38	12/17/2019	411.8067	2.31%
1/8/2020	2.35	12/16/2019	409.4069	2.30%
1/7/2020	2.31	12/13/2019	403.732	2.26%
1/6/2020	2.28	12/12/2019	400.6424	2.32%
1/3/2020	2.26	12/11/2019	403.449	2.23%
1/2/2020	2.33	12/10/2019	401.6277	2.26%
1/1/2020	2.39	12/9/2019	402.4069	2.27%
12/31/2019	2.39	12/6/2019	404.117	2.29%
12/30/2019	2.34	12/5/2019	405.3058	2.24%
12/27/2019	2.32	12/4/2019	404.3826	2.22%
12/26/2019	2.33	12/3/2019	400.8246	2.17%
12/25/2019	2.33	12/2/2019	398.452	2.28%
12/24/2019	2.33	11/29/2019	402.2296	2.21%
12/23/2019	2.35	11/27/2019	402.7703	2.19%
12/20/2019	2.34	11/26/2019	403.0345	2.18%
12/19/2019	2.35	11/25/2019	400.6002	2.21%
12/18/2019	2.35	11/22/2019	402.9384	2.22%
12/17/2019	2.31	11/21/2019	403.6332	2.24%
12/16/2019	2.30	11/20/2019	404.4463	2.20%
12/13/2019	2.26	11/19/2019	401.4514	2.26%
12/12/2019	2.32	11/18/2019	401.2791	2.30%
12/11/2019	2.23	11/15/2019	400.777	2.31%
12/10/2019	2.26	11/14/2019	400.4824	2.31%
12/9/2019	2.27	11/13/2019	398.6245	2.36%
12/6/2019	2.29	11/12/2019	391.589	2.39%
12/5/2019	2.24	11/11/2019	390.5671	2.43%
12/4/2019	2.22	11/8/2019	392.1168	2.43%
12/3/2019	2.17	11/7/2019	393.2647	2.40%
12/2/2019	2.28	11/6/2019	400.7328	2.30%
11/29/2019	2.21	11/5/2019	399.0023	2.34%
11/28/2019	2.19	11/4/2019	403.7303	2.27%
11/27/2019	2.19	11/1/2019	410.8176	2.21%
11/26/2019	2.18	10/31/2019	413.7511	2.17%
11/25/2019	2.21	10/30/2019	411.8896	2.26%
11/22/2019	2.22	10/29/2019	406.3466	2.33%
11/21/2019	2.24	10/28/2019	405.8846	2.34%

11/20/2019	2.20	10/25/2019	411.2199	2.29%
11/19/2019	2.26	10/24/2019	414.5353	2.26%
11/18/2019	2.30	10/23/2019	412.2979	2.25%
11/15/2019	2.31	10/22/2019	411.5297	2.26%
11/14/2019	2.31	10/21/2019	410.0493	2.28%
11/13/2019	2.36	10/18/2019	408.5105	2.25%
11/12/2019	2.39	10/17/2019	406.7349	2.24%
11/11/2019	2.43	10/16/2019	405.3393	2.23%
11/8/2019	2.43	10/15/2019	402.9803	2.23%
11/7/2019	2.40	10/14/2019	404.7587	2.22%
11/6/2019	2.30	10/11/2019	407.4005	2.22%
11/5/2019	2.34	10/10/2019	409.7243	2.16%
11/4/2019	2.27	10/9/2019	410.6958	2.08%
11/1/2019	2.21	10/8/2019	408.1859	2.04%
10/31/2019	2.17	10/7/2019	412.7106	2.05%
10/30/2019	2.26	10/4/2019	414.4471	2.01%
10/29/2019	2.33	10/3/2019	408.7183	2.04%
10/28/2019	2.34	10/2/2019	407.6989	2.09%
10/25/2019	2.29	10/1/2019	412.9822	2.11%
10/24/2019	2.26	9/30/2019	413.5905	2.12%
10/23/2019	2.25	9/27/2019	413.2807	2.13%
10/22/2019	2.26	9/26/2019	414.9137	2.15%
10/21/2019	2.28	9/25/2019	412.8923	2.18%
10/18/2019	2.25	9/24/2019	412.5356	2.09%
10/17/2019	2.24	9/23/2019	407.6951	2.16%
10/16/2019	2.23	9/20/2019	407.4951	2.17%
10/15/2019	2.23	9/19/2019	406.2481	2.22%
10/14/2019	2.22	9/18/2019	404.7453	2.25%
10/11/2019	2.22	9/17/2019	402.4676	2.27%
10/10/2019	2.16	9/16/2019	397.6851	2.31%
10/9/2019	2.08	9/13/2019	397.2524	2.37%
10/8/2019	2.04	9/12/2019	399.2464	2.22%
10/7/2019	2.05	9/11/2019	397.7028	2.22%
10/4/2019	2.01	9/10/2019	394.2936	2.19%
10/3/2019	2.04	9/9/2019	395.7442	2.11%
10/2/2019	2.09	9/6/2019	399.2542	2.02%
10/1/2019	2.11	9/5/2019	401.1209	2.06%
9/30/2019	2.12	9/4/2019	407.3284	1.97%
9/27/2019	2.13	9/3/2019	407.1942	1.95%
9/26/2019	2.15	8/30/2019	398.6101	1.96%
9/25/2019	2.18	8/29/2019	399.4116	1.97%
9/24/2019	2.09	8/28/2019	397.0931	1.94%
9/23/2019	2.16	8/27/2019	399.1126	1.97%
9/20/2019	2.17	8/26/2019	398.9737	2.04%
9/19/2019	2.22	8/23/2019	394.2598	2.02%
9/18/2019	2.25	8/22/2019	398.0119	2.11%
9/17/2019	2.27	8/21/2019	397.4575	2.07%
9/16/2019	2.31	8/20/2019	394.4151	2.04%
9/13/2019	2.37	8/19/2019	394.7001	2.08%
9/12/2019	2.22	8/16/2019	392.157	2.01%
9/11/2019	2.22	8/15/2019	391.3934	1.98%
9/10/2019	2.19	8/14/2019	386.0622	2.03%
9/9/2019	2.11	8/13/2019	389.2082	2.15%
9/6/2019	2.02	8/12/2019	390.3207	2.14%
9/5/2019	2.06	8/9/2019	390.7037	2.26%
9/4/2019	1.97	8/8/2019	389.4841	2.25%
9/3/2019	1.95	8/7/2019	385.392	2.22%
9/2/2019	1.96	8/6/2019	383.5043	2.25%
8/30/2019	1.96	8/5/2019	378.5862	2.30%
8/29/2019	1.97	8/2/2019	383.3821	2.39%
8/28/2019	1.94	8/1/2019	383.7319	2.44%
8/27/2019	1.97	7/31/2019	378.8123	2.53%
8/26/2019	2.04	7/30/2019	380.4175	2.58%
8/23/2019	2.02	7/29/2019	384.0338	2.59%
8/22/2019	2.11	7/26/2019	381.0402	2.59%
8/21/2019	2.07	7/25/2019	378.7634	2.60%
8/20/2019	2.04	7/24/2019	380.8721	2.58%
8/19/2019	2.08	7/23/2019	379.5386	2.61%
8/16/2019	2.01	7/22/2019	381.3718	2.58%
8/15/2019	1.98	7/19/2019	381.599	2.57%
8/14/2019	2.03	7/18/2019	387.5418	2.56%
8/13/2019	2.15	7/17/2019	383.924	2.57%
8/12/2019	2.14	7/16/2019	381.7695	2.63%

8/9/2019	2.26	7/15/2019	383.1537	2.61%
8/8/2019	2.25	7/12/2019	381.6612	2.64%
8/7/2019	2.22	7/11/2019	384.8843	2.65%
8/6/2019	2.25	7/10/2019	384.8423	2.57%
8/5/2019	2.30	7/9/2019	383.2233	2.54%
8/2/2019	2.39	7/8/2019	382.947	2.53%
8/1/2019	2.44	7/5/2019	382.3298	2.54%
7/31/2019	2.53	7/3/2019	382.9227	2.47%
7/30/2019	2.58	7/2/2019	379.6709	2.51%
7/29/2019	2.59	7/1/2019	374.3196	2.55%
7/26/2019	2.59	6/28/2019	375.3761	2.52%
7/25/2019	2.60	6/27/2019	374.0186	2.52%
7/24/2019	2.58	6/26/2019	373.5491	2.57%
7/23/2019	2.61	6/25/2019	381.0786	2.53%
7/22/2019	2.58	6/24/2019	383.118	2.55%
7/19/2019	2.57	6/21/2019	383.8298	2.59%
7/18/2019	2.56	6/20/2019	382.596	2.53%
7/17/2019	2.57	6/19/2019	380.9825	2.54%
7/16/2019	2.63	6/18/2019	377.7501	2.55%
7/15/2019	2.61	6/17/2019	378.7062	2.58%
7/12/2019	2.64	6/14/2019	380.1714	2.59%
7/11/2019	2.65	6/13/2019	376.6737	2.61%
7/10/2019	2.57	6/12/2019	376.6461	2.62%
7/9/2019	2.54	6/11/2019	371.7589	2.62%
7/8/2019	2.53	6/10/2019	374.2063	2.62%
7/5/2019	2.54	6/7/2019	375.8194	2.57%
7/4/2019	2.47	6/6/2019	378.3926	2.62%
7/3/2019	2.47	6/5/2019	375.8447	2.63%
7/2/2019	2.51	6/4/2019	367.5027	2.60%
7/1/2019	2.55	6/3/2019	368.1715	2.53%
6/28/2019	2.52	5/31/2019	363.9642	2.58%
6/27/2019	2.52	5/30/2019	362.0724	2.65%
6/26/2019	2.57	5/29/2019	362.396	2.69%
6/25/2019	2.53	5/28/2019	367.0392	2.70%
6/24/2019	2.55	5/24/2019	372.6016	2.75%
6/21/2019	2.59	5/23/2019	372.9505	2.75%
6/20/2019	2.53	5/22/2019	370.1613	2.82%
6/19/2019	2.54	5/21/2019	367.0619	2.84%
6/18/2019	2.55	5/20/2019	367.8861	2.83%
6/17/2019	2.58	5/17/2019	366.8226	2.82%
6/14/2019	2.59	5/16/2019	364.8358	2.84%
6/13/2019	2.61	5/15/2019	362.111	2.82%
6/12/2019	2.62	5/14/2019	362.5147	2.86%
6/11/2019	2.62	5/13/2019	365.0418	2.83%
6/10/2019	2.62	5/10/2019	359.9646	2.89%
6/7/2019	2.57	5/9/2019	353.1313	2.87%
6/6/2019	2.62	5/8/2019	352.5766	2.89%
6/5/2019	2.63	5/7/2019	357.1336	2.86%
6/4/2019	2.60	5/6/2019	358.0255	2.91%
6/3/2019	2.53	5/3/2019	359.4361	2.93%
5/31/2019	2.58	5/2/2019	356.467	2.94%
5/30/2019	2.65	5/1/2019	357.2403	2.92%
5/29/2019	2.69	4/30/2019	360.6069	2.93%
5/28/2019	2.70	4/29/2019	354.7075	2.96%
5/27/2019	2.75	4/26/2019	356.5107	2.92%
5/24/2019	2.75	4/25/2019	355.8468	2.94%
5/23/2019	2.75	4/24/2019	354.1589	2.94%
5/22/2019	2.82	4/23/2019	352.3182	2.98%
5/21/2019	2.84	4/22/2019	351.217	2.99%
5/20/2019	2.83	4/18/2019	351.0814	2.96%
5/17/2019	2.82	4/17/2019	351.6025	2.99%
5/16/2019	2.84	4/16/2019	352.099	2.99%
5/15/2019	2.82	4/15/2019	356.3868	2.96%
5/14/2019	2.86	4/12/2019	356.0452	2.97%
5/13/2019	2.83	4/11/2019	354.6113	2.94%
5/10/2019	2.89	4/10/2019	352.2445	2.90%
5/9/2019	2.87	4/9/2019	353.7136	2.92%
5/8/2019	2.89	4/8/2019	352.0016	2.93%
5/7/2019	2.86	4/5/2019	354.6301	2.91%
5/6/2019	2.91	4/4/2019	351.1799	2.92%
5/3/2019	2.93	4/3/2019	352.9208	2.93%
5/2/2019	2.94	4/2/2019	353.6805	2.88%
5/1/2019	2.92	4/1/2019	354.0742	2.89%

4/30/2019	2.93	3/29/2019	357.6356	2.81%
4/29/2019	2.96	3/28/2019	355.8661	2.81%
4/26/2019	2.92	3/27/2019	360.3526	2.83%
4/25/2019	2.94	3/26/2019	362.5128	2.86%
4/24/2019	2.94	3/25/2019	359.979	2.87%
4/23/2019	2.98	3/22/2019	359.5604	2.88%
4/22/2019	2.99	3/21/2019	356.3357	2.96%
4/19/2019	2.96	3/20/2019	352.3292	2.98%
4/18/2019	2.96	3/19/2019	350.9311	3.02%
4/17/2019	2.99	3/18/2019	355.2817	3.01%
4/16/2019	2.99	3/15/2019	356.7696	3.02%
4/15/2019	2.96	3/14/2019	354.8195	3.04%
4/12/2019	2.97	3/13/2019	355.6157	3.02%
4/11/2019	2.94	3/12/2019	355.1753	3.00%
4/10/2019	2.90	3/11/2019	353.1369	3.03%
4/9/2019	2.92	3/8/2019	350.5159	3.00%
4/8/2019	2.93	3/7/2019	348.6773	3.03%
4/5/2019	2.91	3/6/2019	347.3108	3.06%
4/4/2019	2.92	3/5/2019	347.3059	3.08%
4/3/2019	2.93	3/4/2019	348.2771	3.09%
4/2/2019	2.88	3/1/2019	347.3214	3.13%
4/1/2019	2.89	2/28/2019	347.5428	3.09%
3/29/2019	2.81	2/27/2019	345.0971	3.07%
3/28/2019	2.81	2/26/2019	345.404	3.01%
3/27/2019	2.83	2/25/2019	346.2434	3.03%
3/26/2019	2.86	2/22/2019	349.059	3.02%
3/25/2019	2.87	2/21/2019	347.2835	3.05%
3/22/2019	2.88	2/20/2019	344.5264	3.00%
3/21/2019	2.96	2/19/2019	342.611	2.99%
3/20/2019	2.98	2/15/2019	340.4493	3.00%
3/19/2019	3.02	2/14/2019	339.5853	3.01%
3/18/2019	3.01	2/13/2019	339.9945	3.04%
3/15/2019	3.02	2/12/2019	341.4108	3.02%
3/14/2019	3.04	2/11/2019	341.0536	3.00%
3/13/2019	3.02	2/8/2019	340.8191	2.97%
3/12/2019	3.00	2/7/2019	338.6868	3.00%
3/11/2019	3.03	2/6/2019	334.4085	3.03%
3/8/2019	3.00	2/5/2019	334.6024	3.03%
3/7/2019	3.03	2/4/2019	334.7083	3.06%
3/6/2019	3.06	2/1/2019	333.7982	3.03%
3/5/2019	3.08	1/31/2019	335.359	2.99%
3/4/2019	3.09	1/30/2019	327.9715	3.06%
3/1/2019	3.13	1/29/2019	326.322	3.04%
2/28/2019	3.09	1/28/2019	325.5649	3.06%
2/27/2019	3.07	1/25/2019	326.8294	3.06%
2/26/2019	3.01	1/24/2019	332.8666	3.04%
2/25/2019	3.03	1/23/2019	330.5775	3.07%
2/22/2019	3.02	1/22/2019	327.1336	3.06%
2/21/2019	3.05	1/18/2019	326.3621	3.09%
2/20/2019	3.00	1/17/2019	325.7783	3.07%
2/19/2019	2.99	1/16/2019	323.9205	3.07%
2/18/2019	3.00	1/15/2019	322.8786	3.08%
2/15/2019	3.00	1/14/2019	317.3132	3.06%
2/14/2019	3.01	1/11/2019	322.1415	3.04%
2/13/2019	3.04	1/10/2019	322.6577	3.06%
2/12/2019	3.02	1/9/2019	317.3607	3.03%
2/11/2019	3.00	1/8/2019	319.5926	3.00%
2/8/2019	2.97	1/7/2019	315.0844	2.99%
2/7/2019	3.00	1/4/2019	316.3763	2.98%
2/6/2019	3.03	1/3/2019	312.638	2.92%
2/5/2019	3.03	1/2/2019	312.1184	2.97%
2/4/2019	3.06	12/31/2018	318.8327	3.02%
2/1/2019	3.03	12/28/2018	317.7678	3.04%
1/31/2019	2.99	12/27/2018	318.0583	3.05%
1/30/2019	3.06	12/26/2018	315.417	3.06%
1/29/2019	3.04	12/24/2018	311.3279	3.00%
1/28/2019	3.06	12/21/2018	325.5114	3.03%
1/25/2019	3.06	12/20/2018	327.1486	3.02%
1/24/2019	3.04	12/19/2018	326.0448	3.00%
1/23/2019	3.07	12/18/2018	327.6924	3.07%
1/22/2019	3.06	12/17/2018	328.5573	3.11%
1/21/2019	3.09	12/14/2018	339.0425	3.14%
1/18/2019	3.09	12/13/2018	341.3066	3.16%

1/17/2019	3.07	12/12/2018	338.1951	3.15%
1/16/2019	3.07	12/11/2018	341.0486	3.13%
1/15/2019	3.08	12/10/2018	339.6818	3.13%
1/14/2019	3.06	12/7/2018	338.8589	3.14%
1/11/2019	3.04	12/6/2018	337.9513	3.14%
1/10/2019	3.06	12/4/2018	338.0069	3.16%
1/9/2019	3.03	12/3/2018	337.9714	3.27%
1/8/2019	3.00	11/30/2018	335.9719	3.30%
1/7/2019	2.99	11/29/2018	330.0419	3.33%
1/4/2019	2.98	11/28/2018	330.2211	3.34%
1/3/2019	2.92	11/27/2018	330.9797	3.32%
1/2/2019	2.97	11/26/2018	328.4913	3.32%
1/1/2019	3.02	11/23/2018	327.928	3.31%
12/31/2018	3.02	11/21/2018	327.0997	3.31%
12/28/2018	3.04	11/20/2018	333.1825	3.31%
12/27/2018	3.05	11/19/2018	335.0783	3.32%
12/26/2018	3.06	11/16/2018	333.0488	3.33%
12/25/2018	3.00	11/15/2018	332.4678	3.36%
12/24/2018	3.00	11/14/2018	330.4704	3.35%
12/21/2018	3.03	11/13/2018	332.0289	3.36%
12/20/2018	3.02	11/12/2018	330.8312	3.40%
12/19/2018	3.00	11/9/2018	327.7582	3.40%
12/18/2018	3.07	11/8/2018	323.6169	3.43%
12/17/2018	3.11	11/7/2018	323.9567	3.43%
12/14/2018	3.14	11/6/2018	320.1712	3.43%
12/13/2018	3.16	11/5/2018	317.0317	3.43%
12/12/2018	3.15	11/2/2018	312.9057	3.46%
12/11/2018	3.13	11/1/2018	315.5779	3.38%
12/10/2018	3.13	10/31/2018	317.4732	3.39%
12/7/2018	3.14	10/30/2018	321.0348	3.36%
12/6/2018	3.14	10/29/2018	320.5453	3.33%
12/5/2018	3.16	10/26/2018	315.616	3.32%
12/4/2018	3.16	10/25/2018	320.9233	3.35%
12/3/2018	3.27	10/24/2018	326.4051	3.33%
11/30/2018	3.30	10/23/2018	317.8251	3.37%
11/29/2018	3.33	10/22/2018	319.5438	3.38%
11/28/2018	3.34	10/19/2018	320.9989	3.38%
11/27/2018	3.32	10/18/2018	316.0465	3.36%
11/26/2018	3.32	10/17/2018	315.6133	3.35%
11/23/2018	3.31	10/16/2018	315.8739	3.32%
11/22/2018	3.31	10/15/2018	312.3517	3.34%
11/21/2018	3.31	10/12/2018	311.1657	3.32%
11/20/2018	3.31	10/11/2018	311.5314	3.32%
11/19/2018	3.32	10/10/2018	317.7919	3.39%
11/16/2018	3.33	10/9/2018	319.4857	3.37%
11/15/2018	3.36	10/8/2018	318.1916	3.40%
11/14/2018	3.35	10/5/2018	315.6982	3.40%
11/13/2018	3.36	10/4/2018	310.2539	3.35%
11/12/2018	3.40	10/3/2018	308.4479	3.30%
11/9/2018	3.40	10/2/2018	312.0706	3.20%
11/8/2018	3.43	10/1/2018	308.5912	3.24%
11/7/2018	3.43	9/28/2018	309.6214	3.19%
11/6/2018	3.43	9/27/2018	305.6915	3.19%
11/5/2018	3.43	9/26/2018	302.8979	3.19%
11/2/2018	3.46	9/25/2018	306.2191	3.23%
11/1/2018	3.38	9/24/2018	310.5165	3.21%
10/31/2018	3.39	9/21/2018	313.1554	3.20%
10/30/2018	3.36	9/20/2018	311.2957	3.21%
10/29/2018	3.33	9/19/2018	310.9561	3.23%
10/26/2018	3.32	9/18/2018	318.3995	3.20%
10/25/2018	3.35	9/17/2018	318.7453	3.13%
10/24/2018	3.33	9/14/2018	317.935	3.13%
10/23/2018	3.37	9/13/2018	319.6278	3.11%
10/22/2018	3.38	9/12/2018	317.675	3.11%
10/19/2018	3.38	9/11/2018	318.232	3.13%
10/18/2018	3.36	9/10/2018	319.2844	3.09%
10/17/2018	3.35	9/7/2018	317.904	3.11%
10/16/2018	3.32	9/6/2018	321.9087	3.06%
10/15/2018	3.34	9/5/2018	318.9426	3.08%
10/12/2018	3.32	9/4/2018	314.789	3.07%
10/11/2018	3.32	8/31/2018	313.4374	3.02%
10/10/2018	3.39	8/30/2018	315.0322	3.00%
10/9/2018	3.37	8/29/2018	314.5509	3.02%

10/8/2018	3.40	8/28/2018	313.1349	3.03%
10/5/2018	3.40	8/27/2018	314.3601	3.00%
10/4/2018	3.35	8/24/2018	316.9494	2.97%
10/3/2018	3.30	8/23/2018	315.6006	2.97%
10/2/2018	3.20	8/22/2018	315.2177	2.99%
10/1/2018	3.24	8/21/2018	318.3562	3.00%
9/28/2018	3.19	8/20/2018	320.7749	2.99%
9/27/2018	3.19	8/17/2018	321.9855	3.03%
9/26/2018	3.19	8/16/2018	321.673	3.03%
9/25/2018	3.23	8/15/2018	318.8214	3.03%
9/24/2018	3.21	8/14/2018	316.523	3.06%
9/21/2018	3.20	8/13/2018	315.6492	3.05%
9/20/2018	3.21	8/10/2018	315.0308	3.03%
9/19/2018	3.23	8/9/2018	315.7516	3.08%
9/18/2018	3.20	8/8/2018	314.3019	3.12%
9/17/2018	3.13	8/7/2018	316.8131	3.12%
9/14/2018	3.13	8/6/2018	317.1319	3.08%
9/13/2018	3.11	8/3/2018	316.7319	3.09%
9/12/2018	3.11	8/2/2018	313.8212	3.12%
9/11/2018	3.13	8/1/2018	311.8325	3.13%
9/10/2018	3.09	7/31/2018	313.9876	3.08%
9/7/2018	3.11	7/30/2018	310.5075	3.11%
9/6/2018	3.06	7/27/2018	312.2556	3.09%
9/5/2018	3.08	7/26/2018	313.2947	3.10%
9/4/2018	3.07	7/25/2018	309.7287	3.06%
9/3/2018	3.02	7/24/2018	309.8896	3.08%
8/31/2018	3.02	7/23/2018	309.0755	3.10%
8/30/2018	3.00	7/20/2018	311.3107	3.03%
8/29/2018	3.02	7/19/2018	313.0538	2.96%
8/28/2018	3.03	7/18/2018	310.5461	2.99%
8/27/2018	3.00	7/17/2018	311.7541	2.97%
8/24/2018	2.97	7/16/2018	311.7039	2.96%
8/23/2018	2.97	7/13/2018	312.1506	2.94%
8/22/2018	2.99	7/12/2018	311.9493	2.95%
8/21/2018	3.00	7/11/2018	312.0119	2.95%
8/20/2018	2.99	7/10/2018	308.5716	2.97%
8/17/2018	3.03	7/9/2018	305.0196	2.96%
8/16/2018	3.03	7/6/2018	315.5021	2.94%
8/15/2018	3.03	7/5/2018	313.0937	2.95%
8/14/2018	3.06	7/3/2018	311.1236	2.96%
8/13/2018	3.05	7/2/2018	310.6766	2.99%
8/10/2018	3.03	6/29/2018	307.5247	2.98%
8/9/2018	3.08	6/28/2018	307.4029	2.97%
8/8/2018	3.12	6/27/2018	308.1034	2.97%
8/7/2018	3.12	6/26/2018	305.9507	3.03%
8/6/2018	3.08	6/25/2018	305.9373	3.02%
8/3/2018	3.09	6/22/2018	300.6823	3.04%
8/2/2018	3.12	6/21/2018	299.2349	3.04%
8/1/2018	3.13	6/20/2018	298.1839	3.06%
7/31/2018	3.08	6/19/2018	298.322	3.02%
7/30/2018	3.11	6/18/2018	293.7688	3.05%
7/27/2018	3.09	6/15/2018	292.1767	3.05%
7/26/2018	3.10	6/14/2018	290.0846	3.05%
7/25/2018	3.06	6/13/2018	287.0615	3.10%
7/24/2018	3.08	6/12/2018	287.2694	3.09%
7/23/2018	3.10	6/11/2018	283.641	3.10%
7/20/2018	3.03	6/8/2018	287.2381	3.08%
7/19/2018	2.96	6/7/2018	287.1944	3.08%
7/18/2018	2.99	6/6/2018	286.2277	3.13%
7/17/2018	2.97	6/5/2018	292.3461	3.07%
7/16/2018	2.96	6/4/2018	295.2415	3.08%
7/13/2018	2.94	6/1/2018	298.3035	3.04%
7/12/2018	2.95	5/31/2018	303.1888	3.00%
7/11/2018	2.95	5/30/2018	303.0567	3.01%
7/10/2018	2.97	5/29/2018	300.3751	2.96%
7/9/2018	2.96	5/25/2018	299.43	3.09%
7/6/2018	2.94	5/24/2018	297.8305	3.13%
7/5/2018	2.95	5/23/2018	295.635	3.17%
7/4/2018	2.96	5/22/2018	292.2141	3.21%
7/3/2018	2.96	5/21/2018	291.7861	3.20%
7/2/2018	2.99	5/18/2018	289.2968	3.20%
6/29/2018	2.98	5/17/2018	290.0957	3.25%
6/28/2018	2.97	5/16/2018	292.2702	3.21%

6/27/2018	2.97	5/15/2018	294.5886	3.20%
6/26/2018	3.03	5/14/2018	297.0017	3.13%
6/25/2018	3.02	5/11/2018	298.2926	3.10%
6/22/2018	3.04	5/10/2018	297.573	3.12%
6/21/2018	3.04	5/9/2018	293.9452	3.16%
6/20/2018	3.06	5/8/2018	296.8097	3.13%
6/19/2018	3.02	5/7/2018	304.1255	3.12%
6/18/2018	3.05	5/4/2018	306.2417	3.12%
6/15/2018	3.05	5/3/2018	305.7861	3.12%
6/14/2018	3.05	5/2/2018	305.3361	3.14%
6/13/2018	3.10	5/1/2018	305.0679	3.13%
6/12/2018	3.09	4/30/2018	306.2546	3.11%
6/11/2018	3.10	4/27/2018	307.4385	3.13%
6/8/2018	3.08	4/26/2018	304.8357	3.18%
6/7/2018	3.08	4/25/2018	301.2479	3.21%
6/6/2018	3.13	4/24/2018	301.5803	3.18%
6/5/2018	3.07	4/23/2018	299.1401	3.15%
6/4/2018	3.08	4/20/2018	298.3083	3.14%
6/1/2018	3.04	4/19/2018	300.5301	3.11%
5/31/2018	3.00	4/18/2018	300.4953	3.06%
5/30/2018	3.01	4/17/2018	301.9864	3.00%
5/29/2018	2.96	4/16/2018	299.2489	3.03%
5/28/2018	3.09	4/13/2018	294.6064	3.03%
5/25/2018	3.09	4/12/2018	292.5637	3.05%
5/24/2018	3.13	4/11/2018	296.5911	2.99%
5/23/2018	3.17	4/10/2018	297.0185	3.02%
5/22/2018	3.21	4/9/2018	299.2096	3.02%
5/21/2018	3.20	4/6/2018	299.693	3.01%
5/18/2018	3.20	4/5/2018	301.5876	3.07%
5/17/2018	3.25	4/4/2018	299.219	3.03%
5/16/2018	3.21	4/3/2018	298.3808	3.02%
5/15/2018	3.20	4/2/2018	297.5341	2.97%
5/14/2018	3.13	3/29/2018	299.7125	2.97%
5/11/2018	3.10	3/28/2018	298.5217	3.01%
5/10/2018	3.12	3/27/2018	298.1632	3.03%
5/9/2018	3.16	3/26/2018	293.9458	3.08%
5/8/2018	3.13	3/23/2018	290.3221	3.06%
5/7/2018	3.12	3/22/2018	294.6343	3.06%
5/4/2018	3.12	3/21/2018	293.4774	3.12%
5/3/2018	3.12	3/20/2018	293.9636	3.12%
5/2/2018	3.14	3/19/2018	294.1415	3.09%
5/1/2018	3.13	3/16/2018	295.3175	3.08%
4/30/2018	3.11	3/15/2018	291.6497	3.05%
4/27/2018	3.13	3/14/2018	291.0071	3.05%
4/26/2018	3.18	3/13/2018	287.9134	3.10%
4/25/2018	3.21	3/12/2018	288.1996	3.13%
4/24/2018	3.18	3/9/2018	287.1072	3.16%
4/23/2018	3.15	3/8/2018	285.7973	3.13%
4/20/2018	3.14	3/7/2018	284.5321	3.15%
4/19/2018	3.11	3/6/2018	286.2661	3.14%
4/18/2018	3.06	3/5/2018	290.6513	3.16%
4/17/2018	3.00	3/2/2018	285.7933	3.14%
4/16/2018	3.03	3/1/2018	286.0343	3.09%
4/13/2018	3.03	2/28/2018	284.7224	3.13%
4/12/2018	3.05	2/27/2018	286.3195	3.17%
4/11/2018	2.99	2/26/2018	291.3591	3.15%
4/10/2018	3.02	2/23/2018	293.3144	3.16%
4/9/2018	3.02	2/22/2018	285.6455	3.21%
4/6/2018	3.01	2/21/2018	284.8479	3.22%
4/5/2018	3.07	2/20/2018	288.3366	3.15%
4/4/2018	3.03	2/16/2018	292.6586	3.13%
4/3/2018	3.02	2/15/2018	290.8427	3.15%
4/2/2018	2.97	2/14/2018	284.0456	3.18%
3/30/2018	2.97	2/13/2018	287.33	3.11%
3/29/2018	2.97	2/12/2018	286.1347	3.14%
3/28/2018	3.01	2/9/2018	284.3992	3.14%
3/27/2018	3.03	2/8/2018	277.7035	3.14%
3/26/2018	3.08	2/7/2018	280.5199	3.12%
3/23/2018	3.06	2/6/2018	281.9311	3.06%
3/22/2018	3.06	2/5/2018	287.347	3.04%
3/21/2018	3.12	2/2/2018	291.6575	3.08%
3/20/2018	3.12	2/1/2018	293.4687	3.01%
3/19/2018	3.09	1/31/2018	298.2497	2.95%

3/16/2018	3.08	1/30/2018	294.6421	2.98%
3/15/2018	3.05	1/29/2018	293.3971	2.94%
3/14/2018	3.05	1/26/2018	297.3211	2.91%
3/13/2018	3.10	1/25/2018	296.4384	2.89%
3/12/2018	3.13	1/24/2018	292.2756	2.93%
3/9/2018	3.16	1/23/2018	294.3258	2.90%
3/8/2018	3.13	1/22/2018	290.8005	2.93%
3/7/2018	3.15	1/19/2018	290.9553	2.91%
3/6/2018	3.14	1/18/2018	292.2536	2.90%
3/5/2018	3.16	1/17/2018	294.1422	2.84%
3/2/2018	3.14	1/16/2018	291.7138	2.83%
3/1/2018	3.09	1/12/2018	291.9096	2.85%
2/28/2018	3.13	1/11/2018	293.881	2.91%
2/27/2018	3.17	1/10/2018	295.8587	2.88%
2/26/2018	3.15	1/9/2018	299.7493	2.88%
2/23/2018	3.16	1/8/2018	303.1281	2.81%
2/22/2018	3.21	1/5/2018	300.5347	2.81%
2/21/2018	3.22	1/4/2018	300.7908	2.79%
2/20/2018	3.15	1/3/2018	303.1865	2.78%
2/19/2018	3.13	1/2/2018	306.2242	2.81%
2/16/2018	3.13	12/29/2017	309.3718	2.74%
2/15/2018	3.15	12/28/2017	309.7868	2.75%
2/14/2018	3.18	12/27/2017	307.8006	2.75%
2/13/2018	3.11	12/26/2017	306.3069	2.82%
2/12/2018	3.14	12/22/2017	308.4341	2.83%
2/9/2018	3.14	12/21/2017	309.0412	2.84%
2/8/2018	3.14	12/20/2017	309.9931	2.88%
2/7/2018	3.12	12/19/2017	311.6022	2.82%
2/6/2018	3.06	12/18/2017	316.6437	2.74%
2/5/2018	3.04	12/15/2017	320.8974	2.68%
2/2/2018	3.08	12/14/2017	319.7601	2.71%
2/1/2018	3.01	12/13/2017	320.2881	2.74%
1/31/2018	2.95	12/12/2017	319.58	2.79%
1/30/2018	2.98	12/11/2017	324.8569	2.77%
1/29/2018	2.94	12/8/2017	323.4811	2.77%
1/26/2018	2.91	12/7/2017	322.484	2.76%
1/25/2018	2.89	12/6/2017	321.7389	2.71%
1/24/2018	2.93	12/5/2017	319.3473	2.73%
1/23/2018	2.90	12/4/2017	321.6371	2.77%
1/22/2018	2.93	12/1/2017	323.8399	2.76%
1/19/2018	2.91	11/30/2017	325.3163	2.83%
1/18/2018	2.90	11/29/2017	323.8301	2.81%
1/17/2018	2.84	11/28/2017	323.9948	2.77%
1/16/2018	2.83	11/27/2017	322.6275	2.76%
1/15/2018	2.85	11/24/2017	320.9324	2.76%
1/12/2018	2.85	11/22/2017	320.2818	2.75%
1/11/2018	2.91	11/21/2017	321.0667	2.76%
1/10/2018	2.88	11/20/2017	320.4488	2.78%
1/9/2018	2.88	11/17/2017	321.0254	2.78%
1/8/2018	2.81	11/16/2017	323.5984	2.81%
1/5/2018	2.81	11/15/2017	323.7567	2.77%
1/4/2018	2.79	11/14/2017	326.675	2.84%
1/3/2018	2.78	11/13/2017	322.1039	2.87%
1/2/2018	2.81	11/10/2017	318.3912	2.88%
1/1/2018	2.74	11/9/2017	320.5259	2.81%
12/29/2017	2.74	11/8/2017	319.9662	2.79%
12/28/2017	2.75	11/7/2017	319.9878	2.77%
12/27/2017	2.75	11/6/2017	315.8129	2.80%
12/26/2017	2.82	11/3/2017	317.5259	2.82%
12/25/2017	2.83	11/2/2017	316.296	2.83%
12/22/2017	2.83	11/1/2017	316.1322	2.85%
12/21/2017	2.84	10/31/2017	318.0841	2.88%
12/20/2017	2.88	10/30/2017	317.6336	2.88%
12/19/2017	2.82	10/27/2017	318.6164	2.93%
12/18/2017	2.74	10/26/2017	316.0454	2.96%
12/15/2017	2.68	10/25/2017	316.3021	2.95%
12/14/2017	2.71	10/24/2017	317.6085	2.92%
12/13/2017	2.74	10/23/2017	317.3979	2.89%
12/12/2017	2.79	10/20/2017	317.1957	2.89%
12/11/2017	2.77	10/19/2017	316.5541	2.83%
12/8/2017	2.77	10/18/2017	313.3365	2.85%
12/7/2017	2.76	10/17/2017	313.1952	2.80%
12/6/2017	2.71	10/16/2017	311.5565	2.82%

12/5/2017	2.73	10/13/2017	310.9978	2.81%
12/4/2017	2.77	10/12/2017	311.3372	2.86%
12/1/2017	2.76	10/11/2017	308.9244	2.88%
11/30/2017	2.83	10/10/2017	307.36	2.88%
11/29/2017	2.81	10/9/2017	304.5672	2.91%
11/28/2017	2.77	10/6/2017	303.8816	2.91%
11/27/2017	2.76	10/5/2017	304.1766	2.89%
11/24/2017	2.76	10/4/2017	304.2197	2.87%
11/23/2017	2.75	10/3/2017	300.6966	2.87%
11/22/2017	2.75	10/2/2017	301.8321	2.87%
11/21/2017	2.76	9/29/2017	300.8702	2.86%
11/20/2017	2.78	9/28/2017	301.6105	2.87%
11/17/2017	2.78	9/27/2017	300.1835	2.86%
11/16/2017	2.81	9/26/2017	303.634	2.78%
11/15/2017	2.77	9/25/2017	303.7601	2.76%
11/14/2017	2.84	9/22/2017	301.5252	2.80%
11/13/2017	2.87	9/21/2017	304.004	2.80%
11/10/2017	2.88	9/20/2017	304.4029	2.82%
11/9/2017	2.81	9/19/2017	306.6045	2.81%
11/8/2017	2.79	9/18/2017	307.5093	2.80%
11/7/2017	2.77	9/15/2017	310.5396	2.77%
11/6/2017	2.80	9/14/2017	309.8903	2.77%
11/3/2017	2.82	9/13/2017	306.9383	2.79%
11/2/2017	2.83	9/12/2017	309.0001	2.78%
11/1/2017	2.85	9/11/2017	314.8533	2.75%
10/31/2017	2.88	9/8/2017	311.6717	2.67%
10/30/2017	2.88	9/7/2017	310.8422	2.66%
10/27/2017	2.93	9/6/2017	308.3161	2.72%
10/26/2017	2.96	9/5/2017	310.2567	2.69%
10/25/2017	2.95	9/1/2017	308.4952	2.77%
10/24/2017	2.92	8/31/2017	308.9037	2.73%
10/23/2017	2.89	8/30/2017	308.9315	2.75%
10/20/2017	2.89	8/29/2017	309.4765	2.74%
10/19/2017	2.83	8/28/2017	310.0248	2.76%
10/18/2017	2.85	8/25/2017	308.8476	2.75%
10/17/2017	2.80	8/24/2017	307.7883	2.77%
10/16/2017	2.82	8/23/2017	308.0923	2.75%
10/13/2017	2.81	8/22/2017	307.6149	2.79%
10/12/2017	2.86	8/21/2017	307.0156	2.77%
10/11/2017	2.88	8/18/2017	306.1232	2.78%
10/10/2017	2.88	8/17/2017	304.1051	2.78%
10/9/2017	2.91	8/16/2017	306.6858	2.81%
10/6/2017	2.91	8/15/2017	305.3251	2.84%
10/5/2017	2.89	8/14/2017	303.6652	2.81%
10/4/2017	2.87	8/11/2017	301.8353	2.79%
10/3/2017	2.87	8/10/2017	304.1732	2.79%
10/2/2017	2.87	8/9/2017	303.2142	2.82%
9/29/2017	2.86	8/8/2017	304.5516	2.86%
9/28/2017	2.87	8/7/2017	303.3813	2.84%
9/27/2017	2.86	8/4/2017	302.1904	2.84%
9/26/2017	2.78	8/3/2017	303.235	2.81%
9/25/2017	2.76	8/2/2017	302.0421	2.85%
9/22/2017	2.80	8/1/2017	300.3936	2.86%
9/21/2017	2.80	7/31/2017	298.796	2.89%
9/20/2017	2.82	7/28/2017	297.3334	2.89%
9/19/2017	2.81	7/27/2017	298.4536	2.93%
9/18/2017	2.80	7/26/2017	297.4526	2.89%
9/15/2017	2.77	7/25/2017	294.4295	2.91%
9/14/2017	2.77	7/24/2017	295.6452	2.83%
9/13/2017	2.79	7/21/2017	298.8851	2.81%
9/12/2017	2.78	7/20/2017	296.0293	2.83%
9/11/2017	2.75	7/19/2017	293.3246	2.85%
9/8/2017	2.67	7/18/2017	292.1691	2.85%
9/7/2017	2.66	7/17/2017	291.4494	2.89%
9/6/2017	2.72	7/14/2017	291.19	2.91%
9/5/2017	2.69	7/13/2017	289.8819	2.92%
9/4/2017	2.77	7/12/2017	291.6487	2.89%
9/1/2017	2.77	7/11/2017	290.0683	2.92%
8/31/2017	2.73	7/10/2017	290.3172	2.93%
8/30/2017	2.75	7/7/2017	290.8677	2.93%
8/29/2017	2.74	7/6/2017	289.9637	2.90%
8/28/2017	2.76	7/5/2017	289.9622	2.85%
8/25/2017	2.75	7/3/2017	291.2662	2.86%

8/24/2017	2.77	6/30/2017	292.6317	2.84%
8/23/2017	2.75	6/29/2017	293.3022	2.82%
8/22/2017	2.79	6/28/2017	296.2964	2.77%
8/21/2017	2.77	6/27/2017	298.6484	2.75%
8/18/2017	2.78	6/26/2017	302.7482	2.70%
8/17/2017	2.78	6/23/2017	301.0347	2.71%
8/16/2017	2.81	6/22/2017	301.5929	2.72%
8/15/2017	2.84	6/21/2017	302.9741	2.73%
8/14/2017	2.81	6/20/2017	304.6876	2.74%
8/11/2017	2.79	6/19/2017	304.1554	2.79%
8/10/2017	2.79	6/16/2017	305.4775	2.78%
8/9/2017	2.82	6/15/2017	304.2752	2.78%
8/8/2017	2.86	6/14/2017	302.7592	2.79%
8/7/2017	2.84	6/13/2017	301.0617	2.87%
8/4/2017	2.84	6/12/2017	300.256	2.86%
8/3/2017	2.81	6/9/2017	300.9801	2.86%
8/2/2017	2.85	6/8/2017	301.4693	2.85%
8/1/2017	2.86	6/7/2017	303.9437	2.84%
7/31/2017	2.89	6/6/2017	302.4671	2.81%
7/28/2017	2.89	6/5/2017	302.9382	2.84%
7/27/2017	2.93	6/2/2017	304.7659	2.80%
7/26/2017	2.89	6/1/2017	303.3649	2.87%
7/25/2017	2.91	5/31/2017	301.6436	2.87%
7/24/2017	2.83	5/30/2017	300.1919	2.88%
7/21/2017	2.81	5/26/2017	299.41	2.92%
7/20/2017	2.83	5/25/2017	299.5394	2.92%
7/19/2017	2.85	5/24/2017	297.5242	2.92%
7/18/2017	2.85	5/23/2017	295.6712	2.95%
7/17/2017	2.89	5/22/2017	294.5732	2.91%
7/14/2017	2.91	5/19/2017	292.1222	2.90%
7/13/2017	2.92	5/18/2017	291.1407	2.90%
7/12/2017	2.89	5/17/2017	290.1645	2.91%
7/11/2017	2.92	5/16/2017	289.1689	2.99%
7/10/2017	2.93	5/15/2017	291.4653	3.00%
7/7/2017	2.93	5/12/2017	290.3746	2.98%
7/6/2017	2.90	5/11/2017	288.7116	3.03%
7/5/2017	2.85	5/10/2017	288.4386	3.03%
7/4/2017	2.86	5/9/2017	287.9782	3.04%
7/3/2017	2.86	5/8/2017	290.2782	3.02%
6/30/2017	2.84	5/5/2017	290.6007	2.99%
6/29/2017	2.82	5/4/2017	289.4675	3.00%
6/28/2017	2.77	5/3/2017	287.8544	2.97%
6/27/2017	2.75	5/2/2017	288.5834	2.97%
6/26/2017	2.70	5/1/2017	287.5447	3.00%
6/23/2017	2.71	4/28/2017	289.0431	2.96%
6/22/2017	2.72	4/27/2017	290.3845	2.96%
6/21/2017	2.73	4/26/2017	289.222	2.97%
6/20/2017	2.74	4/25/2017	289.9066	2.99%
6/19/2017	2.79	4/24/2017	289.9718	2.93%
6/16/2017	2.78	4/21/2017	289.1682	2.89%
6/15/2017	2.78	4/20/2017	286.6909	2.89%
6/14/2017	2.79	4/19/2017	287.8455	2.87%
6/13/2017	2.87	4/18/2017	289.4414	2.84%
6/12/2017	2.86	4/17/2017	288.5037	2.92%
6/9/2017	2.86	4/13/2017	287.059	2.89%
6/8/2017	2.85	4/12/2017	287.9458	2.92%
6/7/2017	2.84	4/11/2017	285.9399	2.93%
6/6/2017	2.81	4/10/2017	286.011	2.99%
6/5/2017	2.84	4/7/2017	285.3501	3.00%
6/2/2017	2.80	4/6/2017	286.7762	2.99%
6/1/2017	2.87	4/5/2017	288.0174	2.98%
5/31/2017	2.87	4/4/2017	285.8959	2.99%
5/30/2017	2.88	4/3/2017	284.8768	2.98%
5/29/2017	2.92	3/31/2017	284.7632	3.02%
5/26/2017	2.92	3/30/2017	284.2877	3.03%
5/25/2017	2.92	3/29/2017	286.546	2.99%
5/24/2017	2.92	3/28/2017	287.9613	3.02%
5/23/2017	2.95	3/27/2017	287.9575	2.98%
5/22/2017	2.91	3/24/2017	289.2009	3.00%
5/19/2017	2.90	3/23/2017	287.9422	3.02%
5/18/2017	2.90	3/22/2017	288.5148	3.02%
5/17/2017	2.91	3/21/2017	287.6897	3.04%
5/16/2017	2.99	3/20/2017	284.0563	3.08%

5/15/2017	3.00	3/17/2017	285.7266	3.11%
5/12/2017	2.98	3/16/2017	283.787	3.14%
5/11/2017	3.03	3/15/2017	287.0832	3.11%
5/10/2017	3.03	3/14/2017	282.6329	3.17%
5/9/2017	3.04	3/13/2017	282.594	3.20%
5/8/2017	3.02	3/10/2017	281.6865	3.16%
5/5/2017	2.99	3/9/2017	279.7817	3.19%
5/4/2017	3.00	3/8/2017	280.7237	3.15%
5/3/2017	2.97	3/7/2017	285.0537	3.11%
5/2/2017	2.97	3/6/2017	284.863	3.10%
5/1/2017	3.00	3/3/2017	285.3869	3.08%
4/28/2017	2.96	3/2/2017	286.1151	3.09%
4/27/2017	2.96	3/1/2017	284.2376	3.06%
4/26/2017	2.97	2/28/2017	286.6739	2.97%
4/25/2017	2.99	2/27/2017	284.1798	2.98%
4/24/2017	2.93	2/24/2017	285.5017	2.95%
4/21/2017	2.89	2/23/2017	282.0523	3.02%
4/20/2017	2.89	2/22/2017	279.1668	3.04%
4/19/2017	2.87	2/21/2017	277.9534	3.04%
4/18/2017	2.84	2/17/2017	275.2876	3.03%
4/17/2017	2.92	2/16/2017	274.9154	3.05%
4/14/2017	2.89	2/15/2017	273.0393	3.09%
4/13/2017	2.89	2/14/2017	273.9742	3.07%
4/12/2017	2.92	2/13/2017	275.8587	3.03%
4/11/2017	2.93	2/10/2017	275.1161	3.01%
4/10/2017	2.99	2/9/2017	273.8687	3.02%
4/7/2017	3.00	2/8/2017	276.0541	2.96%
4/6/2017	2.99	2/7/2017	273.8048	3.02%
4/5/2017	2.98	2/6/2017	273.3702	3.05%
4/4/2017	2.99	2/3/2017	274.0629	3.11%
4/3/2017	2.98	2/2/2017	273.2372	3.09%
3/31/2017	3.02	2/1/2017	270.4889	3.08%
3/30/2017	3.03	1/31/2017	274.5204	3.05%
3/29/2017	2.99	1/30/2017	270.7106	3.08%
3/28/2017	3.02	1/27/2017	270.0415	3.06%
3/27/2017	2.98	1/26/2017	269.3757	3.08%
3/24/2017	3.00	1/25/2017	269.1255	3.10%
3/23/2017	3.02	1/24/2017	269.4264	3.05%
3/22/2017	3.02	1/23/2017	269.5722	2.99%
3/21/2017	3.04	1/20/2017	270.5762	3.05%
3/20/2017	3.08	1/19/2017	270.1048	3.04%
3/17/2017	3.11	1/18/2017	272.7846	3.00%
3/16/2017	3.14	1/17/2017	273.2034	2.93%
3/15/2017	3.11	1/13/2017	270.3378	2.99%
3/14/2017	3.17	1/12/2017	270.9535	3.01%
3/13/2017	3.20	1/11/2017	270.6502	2.96%
3/10/2017	3.16	1/10/2017	268.1222	2.97%
3/9/2017	3.19	1/9/2017	268.25	2.97%
3/8/2017	3.15	1/6/2017	271.5889	3.00%
3/7/2017	3.11	1/5/2017	271.705	2.96%
3/6/2017	3.10	1/4/2017	271.3096	3.05%
3/3/2017	3.08	1/3/2017	270.4268	3.04%
3/2/2017	3.09	12/30/2016	271.5074	3.06%
3/1/2017	3.06	12/29/2016	272.7187	3.08%
2/28/2017	2.97	12/28/2016	269.121	3.09%
2/27/2017	2.98	12/27/2016	271.7338	3.14%
2/24/2017	2.95	12/23/2016	271.6871	3.12%
2/23/2017	3.02	12/22/2016	271.5141	3.12%
2/22/2017	3.04	12/21/2016	270.7571	3.12%
2/21/2017	3.04	12/20/2016	271.7227	3.15%
2/20/2017	3.03	12/19/2016	271.1148	3.12%
2/17/2017	3.03	12/16/2016	270.3019	3.19%
2/16/2017	3.05	12/15/2016	267.2014	3.16%
2/15/2017	3.09	12/14/2016	265.7919	3.14%
2/14/2017	3.07	12/13/2016	271.2285	3.14%
2/13/2017	3.03	12/12/2016	268.6712	3.16%
2/10/2017	3.01	12/9/2016	265.4226	3.16%
2/9/2017	3.02	12/8/2016	263.0232	3.10%
2/8/2017	2.96	12/7/2016	262.8743	3.02%
2/7/2017	3.02	12/6/2016	259.0367	3.08%
2/6/2017	3.05	12/5/2016	259.0189	3.05%
2/3/2017	3.11	12/2/2016	258.3994	3.08%
2/2/2017	3.09	12/1/2016	256.0871	3.10%

2/1/2017	3.08	11/30/2016	258.1664	3.02%
1/31/2017	3.05	11/29/2016	266.7262	2.95%
1/30/2017	3.08	11/28/2016	265.7357	2.99%
1/27/2017	3.06	11/25/2016	261.3294	3.01%
1/26/2017	3.08	11/23/2016	257.4555	3.02%
1/25/2017	3.10	11/22/2016	259.6741	3.00%
1/24/2017	3.05	11/21/2016	258.8204	3.00%
1/23/2017	2.99	11/18/2016	256.5114	3.01%
1/20/2017	3.05	11/17/2016	257.6459	3.01%
1/19/2017	3.04	11/16/2016	258.432	2.92%
1/18/2017	3.00	11/15/2016	259.9469	2.97%
1/17/2017	2.93	11/14/2016	256.5982	2.99%
1/16/2017	2.99	11/11/2016	257.0736	2.94%
1/13/2017	2.99	11/10/2016	257.6175	2.94%
1/12/2017	3.01	11/9/2016	263.2642	2.88%
1/11/2017	2.96	11/8/2016	274.2578	2.63%
1/10/2017	2.97	11/7/2016	272.7685	2.60%
1/9/2017	2.97	11/4/2016	268.3572	2.56%
1/6/2017	3.00	11/3/2016	269.6634	2.60%
1/5/2017	2.96	11/2/2016	268.8494	2.56%
1/4/2017	3.05	11/1/2016	271.8978	2.58%
1/3/2017	3.04	10/31/2016	277.2461	2.58%
1/2/2017	3.06	10/28/2016	271.9134	2.62%
12/30/2016	3.06	10/27/2016	271.0533	2.60%
12/29/2016	3.08	10/26/2016	272.5931	2.53%
12/28/2016	3.09	10/25/2016	272.0027	2.50%
12/27/2016	3.14	10/24/2016	270.7219	2.52%
12/26/2016	3.12	10/21/2016	269.2837	2.48%
12/23/2016	3.12	10/20/2016	270.7353	2.50%
12/22/2016	3.12	10/19/2016	271.1244	2.51%
12/21/2016	3.12	10/18/2016	271.9958	2.51%
12/20/2016	3.15	10/17/2016	269.9972	2.52%
12/19/2016	3.12	10/14/2016	268.7496	2.55%
12/16/2016	3.19	10/13/2016	270.1375	2.48%
12/15/2016	3.16	10/12/2016	266.9065	2.51%
12/14/2016	3.14	10/11/2016	263.8781	2.50%
12/13/2016	3.14	10/10/2016	267.0161	2.46%
12/12/2016	3.16	10/7/2016	264.5416	2.46%
12/9/2016	3.16	10/6/2016	263.9681	2.46%
12/8/2016	3.10	10/5/2016	264.1215	2.44%
12/7/2016	3.02	10/4/2016	264.7992	2.40%
12/6/2016	3.08	10/3/2016	270.626	2.34%
12/5/2016	3.05	9/30/2016	273.8101	2.32%
12/2/2016	3.08	9/29/2016	276.45	2.28%
12/1/2016	3.10	9/28/2016	280.9009	2.29%
11/30/2016	3.02	9/27/2016	281.8406	2.28%
11/29/2016	2.95	9/26/2016	284.6456	2.32%
11/28/2016	2.99	9/23/2016	285.4588	2.34%
11/25/2016	3.01	9/22/2016	285.7332	2.34%
11/24/2016	3.02	9/21/2016	284.2056	2.39%
11/23/2016	3.02	9/20/2016	278.347	2.43%
11/22/2016	3.00	9/19/2016	278.9147	2.45%
11/21/2016	3.00	9/16/2016	276.0516	2.44%
11/18/2016	3.01	9/15/2016	273.4535	2.48%
11/17/2016	3.01	9/14/2016	272.1737	2.44%
11/16/2016	2.92	9/13/2016	271.0167	2.47%
11/15/2016	2.97	9/12/2016	275.0336	2.40%
11/14/2016	2.99	9/9/2016	270.2955	2.39%
11/11/2016	2.94	9/8/2016	280.4103	2.32%
11/10/2016	2.94	9/7/2016	279.7937	2.23%
11/9/2016	2.88	9/6/2016	279.3476	2.24%
11/8/2016	2.63	9/2/2016	276.1152	2.28%
11/7/2016	2.60	9/1/2016	272.3463	2.23%
11/4/2016	2.56	8/31/2016	273.157	2.23%
11/3/2016	2.60	8/30/2016	272.1603	2.23%
11/2/2016	2.56	8/29/2016	274.9031	2.22%
11/1/2016	2.58	8/26/2016	272.7134	2.29%
10/31/2016	2.58	8/25/2016	278.8636	2.27%
10/28/2016	2.62	8/24/2016	278.343	2.24%
10/27/2016	2.60	8/23/2016	278.2957	2.24%
10/26/2016	2.53	8/22/2016	279.9233	2.24%
10/25/2016	2.50	8/19/2016	279.0845	2.29%
10/24/2016	2.52	8/18/2016	282.6385	2.26%

10/21/2016	2.48	8/17/2016	278.6759	2.27%
10/20/2016	2.50	8/16/2016	275.0043	2.29%
10/19/2016	2.51	8/15/2016	278.5277	2.27%
10/18/2016	2.51	8/12/2016	282.8928	2.23%
10/17/2016	2.52	8/11/2016	282.8068	2.28%
10/14/2016	2.55	8/10/2016	282.6227	2.23%
10/13/2016	2.48	8/9/2016	282.2841	2.25%
10/12/2016	2.51	8/8/2016	281.9694	2.30%
10/11/2016	2.50	8/5/2016	282.4177	2.32%
10/10/2016	2.46	8/4/2016	286.0362	2.25%
10/7/2016	2.46	8/3/2016	285.8582	2.29%
10/6/2016	2.46	8/2/2016	287.7374	2.29%
10/5/2016	2.44	8/1/2016	289.4305	2.24%
10/4/2016	2.40	7/29/2016	289.0186	2.18%
10/3/2016	2.34	7/28/2016	287.1788	2.23%
9/30/2016	2.32	7/27/2016	286.7459	2.23%
9/29/2016	2.28	7/26/2016	289.9837	2.28%
9/28/2016	2.29	7/25/2016	291.9369	2.29%
9/27/2016	2.28	7/22/2016	292.6521	2.29%
9/26/2016	2.32	7/21/2016	289.1508	2.29%
9/23/2016	2.34	7/20/2016	287.2193	2.30%
9/22/2016	2.34	7/19/2016	288.6335	2.27%
9/21/2016	2.39	7/18/2016	288.8372	2.30%
9/20/2016	2.43	7/15/2016	288.2995	2.30%
9/19/2016	2.45	7/14/2016	287.5561	2.25%
9/16/2016	2.44	7/13/2016	289.0707	2.18%
9/15/2016	2.48	7/12/2016	287.2132	2.24%
9/14/2016	2.44	7/11/2016	291.8694	2.14%
9/13/2016	2.47	7/8/2016	292.5164	2.11%
9/12/2016	2.40	7/7/2016	289.8708	2.14%
9/9/2016	2.39	7/6/2016	295.275	2.14%
9/8/2016	2.32	7/5/2016	294.9609	2.14%
9/7/2016	2.23	7/1/2016	292.4035	2.24%
9/6/2016	2.24	6/30/2016	292.4608	2.30%
9/5/2016	2.28	6/29/2016	286.4531	2.30%
9/2/2016	2.28	6/28/2016	286.5961	2.27%
9/1/2016	2.23	6/27/2016	285.8276	2.28%
8/31/2016	2.23	6/24/2016	280.8786	2.42%
8/30/2016	2.23	6/23/2016	279.1604	2.55%
8/29/2016	2.22	6/22/2016	278.4227	2.50%
8/26/2016	2.29	6/21/2016	279.4435	2.50%
8/25/2016	2.27	6/20/2016	279.2824	2.47%
8/24/2016	2.24	6/17/2016	280.5098	2.43%
8/23/2016	2.24	6/16/2016	279.847	2.39%
8/22/2016	2.24	6/15/2016	277.9404	2.43%
8/19/2016	2.29	6/14/2016	280.5688	2.43%
8/18/2016	2.26	6/13/2016	278.3385	2.43%
8/17/2016	2.27	6/10/2016	278.9223	2.44%
8/16/2016	2.29	6/9/2016	278.9872	2.48%
8/15/2016	2.27	6/8/2016	276.0768	2.51%
8/12/2016	2.23	6/7/2016	273.9053	2.54%
8/11/2016	2.28	6/6/2016	274.1759	2.55%
8/10/2016	2.23	6/3/2016	274.7585	2.52%
8/9/2016	2.25	6/2/2016	269.9996	2.58%
8/8/2016	2.30	6/1/2016	270.4979	2.63%
8/5/2016	2.32	5/31/2016	269.5981	2.64%
8/4/2016	2.25	5/27/2016	267.9013	2.65%
8/3/2016	2.29	5/26/2016	267.5775	2.64%
8/2/2016	2.29	5/25/2016	264.5206	2.67%
8/1/2016	2.24	5/24/2016	265.318	2.65%
7/29/2016	2.18	5/23/2016	261.97	2.63%
7/28/2016	2.23	5/20/2016	264.6981	2.63%
7/27/2016	2.23	5/19/2016	264.1768	2.64%
7/26/2016	2.28	5/18/2016	261.7548	2.67%
7/25/2016	2.29	5/17/2016	266.7029	2.59%
7/22/2016	2.29	5/16/2016	271.568	2.59%
7/21/2016	2.29	5/13/2016	271.016	2.55%
7/20/2016	2.30	5/12/2016	272.0316	2.60%
7/19/2016	2.27	5/11/2016	270.4342	2.58%
7/18/2016	2.30	5/10/2016	270.0312	2.61%
7/15/2016	2.30	5/9/2016	269.2695	2.61%
7/14/2016	2.25	5/6/2016	267.1827	2.62%
7/13/2016	2.18	5/5/2016	269.8393	2.60%

7/12/2016	2.24	5/4/2016	271.172	2.64%
7/11/2016	2.14	5/3/2016	267.7195	2.66%
7/8/2016	2.11	5/2/2016	267.1392	2.71%
7/7/2016	2.14	4/29/2016	265.0663	2.66%
7/6/2016	2.14	4/28/2016	263.2076	2.68%
7/5/2016	2.14	4/27/2016	262.9438	2.71%
7/4/2016	2.24	4/26/2016	259.8849	2.76%
7/1/2016	2.24	4/25/2016	259.3416	2.72%
6/30/2016	2.30	4/22/2016	258.9226	2.70%
6/29/2016	2.30	4/21/2016	256.6087	2.69%
6/28/2016	2.27	4/20/2016	262.3254	2.66%
6/27/2016	2.28	4/19/2016	269.7171	2.60%
6/24/2016	2.42	4/18/2016	269.5118	2.58%
6/23/2016	2.55	4/15/2016	268.4711	2.56%
6/22/2016	2.50	4/14/2016	266.4076	2.61%
6/21/2016	2.50	4/13/2016	267.0232	2.58%
6/20/2016	2.47	4/12/2016	268.6815	2.61%
6/17/2016	2.43	4/11/2016	267.116	2.56%
6/16/2016	2.39	4/8/2016	268.3299	2.55%
6/15/2016	2.43	4/7/2016	267.4055	2.52%
6/14/2016	2.43	4/6/2016	267.6098	2.58%
6/13/2016	2.43	4/5/2016	267.8344	2.54%
6/10/2016	2.44	4/4/2016	273.2542	2.60%
6/9/2016	2.48	4/1/2016	273.8648	2.62%
6/8/2016	2.51	3/31/2016	272.7029	2.61%
6/7/2016	2.54	3/30/2016	271.5531	2.65%
6/6/2016	2.55	3/29/2016	272.1575	2.60%
6/3/2016	2.52	3/28/2016	268.3141	2.66%
6/2/2016	2.58	3/24/2016	269.4358	2.67%
6/1/2016	2.63	3/23/2016	268.3775	2.65%
5/31/2016	2.64	3/22/2016	266.56	2.72%
5/30/2016	2.65	3/21/2016	267.7088	2.72%
5/27/2016	2.65	3/18/2016	268.3346	2.68%
5/26/2016	2.64	3/17/2016	269.6641	2.69%
5/25/2016	2.67	3/16/2016	267.5009	2.73%
5/24/2016	2.65	3/15/2016	264.7752	2.73%
5/23/2016	2.63	3/14/2016	264.0326	2.74%
5/20/2016	2.63	3/11/2016	263.9004	2.75%
5/19/2016	2.64	3/10/2016	263.7638	2.70%
5/18/2016	2.67	3/9/2016	263.7339	2.68%
5/17/2016	2.59	3/8/2016	261.8489	2.63%
5/16/2016	2.59	3/7/2016	259.0879	2.71%
5/13/2016	2.55	3/4/2016	258.3798	2.70%
5/12/2016	2.60	3/3/2016	255.1036	2.65%
5/11/2016	2.58	3/2/2016	254.928	2.69%
5/10/2016	2.61	3/1/2016	253.9201	2.70%
5/9/2016	2.61	2/29/2016	254.8938	2.61%
5/6/2016	2.62	2/26/2016	254.2724	2.63%
5/5/2016	2.60	2/25/2016	262.1492	2.58%
5/4/2016	2.64	2/24/2016	260.1652	2.61%
5/3/2016	2.66	2/23/2016	259.4496	2.60%
5/2/2016	2.71	2/22/2016	258.9236	2.62%
4/29/2016	2.66	2/19/2016	256.1968	2.61%
4/28/2016	2.68	2/18/2016	257.1195	2.62%
4/27/2016	2.71	2/17/2016	251.8384	2.68%
4/26/2016	2.76	2/16/2016	252.8865	2.64%
4/25/2016	2.72	2/12/2016	251.7629	2.60%
4/22/2016	2.70	2/11/2016	252.6494	2.50%
4/21/2016	2.69	2/10/2016	257.0667	2.53%
4/20/2016	2.66	2/9/2016	258.2931	2.55%
4/19/2016	2.60	2/8/2016	257.2755	2.56%
4/18/2016	2.58	2/5/2016	256.926	2.68%
4/15/2016	2.56	2/4/2016	256.3065	2.70%
4/14/2016	2.61	2/3/2016	258.5142	2.70%
4/13/2016	2.58	2/2/2016	256.8914	2.67%
4/12/2016	2.61	2/1/2016	255.6592	2.77%
4/11/2016	2.56	1/29/2016	252.3741	2.75%
4/8/2016	2.55	1/28/2016	247.0216	2.79%
4/7/2016	2.52	1/27/2016	242.9385	2.80%
4/6/2016	2.58	1/26/2016	242.5638	2.79%
4/5/2016	2.54	1/25/2016	240.8672	2.80%
4/4/2016	2.60	1/22/2016	242.3699	2.83%
4/1/2016	2.62	1/21/2016	238.0951	2.79%

3/31/2016	2.61	1/20/2016	239.5945	2.77%
3/30/2016	2.65	1/19/2016	245.033	2.82%
3/29/2016	2.60	1/15/2016	240.8086	2.81%
3/28/2016	2.66	1/14/2016	242.3355	2.90%
3/25/2016	2.67	1/13/2016	238.9722	2.85%
3/24/2016	2.67	1/12/2016	239.229	2.89%
3/23/2016	2.65	1/11/2016	240.3766	2.96%
3/22/2016	2.72	1/8/2016	239.0432	2.91%
3/21/2016	2.72	1/7/2016	239.6797	2.92%
3/18/2016	2.68	1/6/2016	240.6579	2.94%
3/17/2016	2.69	1/5/2016	240.6344	3.01%
3/16/2016	2.73	1/4/2016	238.7465	2.98%
3/15/2016	2.73	12/31/2015	239.3313	3.01%
3/14/2016	2.74	12/30/2015	242.4427	3.04%
3/11/2016	2.75	12/29/2015	242.2254	3.04%
3/10/2016	2.70	12/28/2015	241.0333	2.95%
3/9/2016	2.68	12/24/2015	239.9314	2.96%
3/8/2016	2.63	12/23/2015	240.1048	3.00%
3/7/2016	2.71	12/22/2015	236.9311	2.96%
3/4/2016	2.70	12/21/2015	235.2145	2.92%
3/3/2016	2.65	12/18/2015	235.2875	2.90%
3/2/2016	2.69	12/17/2015	238.6924	2.94%
3/1/2016	2.70	12/16/2015	238.0115	3.02%
2/29/2016	2.61	12/15/2015	231.4765	3.00%
2/26/2016	2.63	12/14/2015	229.1461	2.96%
2/25/2016	2.58	12/11/2015	227.8022	2.87%
2/24/2016	2.61	12/10/2015	228.1584	2.98%
2/23/2016	2.60	12/9/2015	232.3747	2.97%
2/22/2016	2.62	12/8/2015	232.7984	2.97%
2/19/2016	2.61	12/7/2015	232.6811	2.95%
2/18/2016	2.62	12/4/2015	231.0184	3.01%
2/17/2016	2.68	12/3/2015	226.5467	3.07%
2/16/2016	2.64	12/2/2015	229.3693	2.91%
2/15/2016	2.60	12/1/2015	234.8019	2.91%
2/12/2016	2.60	11/30/2015	232.6759	2.98%
2/11/2016	2.50	11/27/2015	232.1127	3.00%
2/10/2016	2.53	11/25/2015	231.1134	3.00%
2/9/2016	2.55	11/24/2015	232.1867	3.00%
2/8/2016	2.56	11/23/2015	233.2125	3.00%
2/5/2016	2.68	11/20/2015	235.1334	3.02%
2/4/2016	2.70	11/19/2015	234.153	3.00%
2/3/2016	2.70	11/18/2015	231.5296	3.04%
2/2/2016	2.67	11/17/2015	230.6322	3.04%
2/1/2016	2.77	11/16/2015	234.485	3.07%
1/29/2016	2.75	11/13/2015	229.8198	3.06%
1/28/2016	2.79	11/12/2015	230.9178	3.09%
1/27/2016	2.80	11/11/2015	233.3036	3.10%
1/26/2016	2.79	11/10/2015	230.9363	3.10%
1/25/2016	2.80	11/9/2015	228.7558	3.12%
1/22/2016	2.83	11/6/2015	227.9474	3.09%
1/21/2016	2.79	11/5/2015	237.4175	3.01%
1/20/2016	2.77	11/4/2015	238.7087	3.00%
1/19/2016	2.82	11/3/2015	237.5586	3.00%
1/18/2016	2.81	11/2/2015	236.9998	2.95%
1/15/2016	2.81	10/30/2015	236.5652	2.93%
1/14/2016	2.90	10/29/2015	235.1696	2.96%
1/13/2016	2.85	10/28/2015	237.909	2.87%
1/12/2016	2.89	10/27/2015	240.601	2.86%
1/11/2016	2.96	10/26/2015	240.8613	2.87%
1/8/2016	2.91	10/23/2015	240.7628	2.90%
1/7/2016	2.92	10/22/2015	244.7611	2.87%
1/6/2016	2.94	10/21/2015	242.144	2.87%
1/5/2016	3.01	10/20/2015	242.2938	2.92%
1/4/2016	2.98	10/19/2015	241.6565	2.89%
1/1/2016	3.01	10/16/2015	241.6994	2.87%
12/31/2015	3.01	10/15/2015	240.9149	2.87%
12/30/2015	3.04	10/14/2015	237.5263	2.84%
12/29/2015	3.04	10/13/2015	237.5058	2.89%
12/28/2015	2.95	10/12/2015	237.8255	2.94%
12/25/2015	2.96	10/9/2015	235.4587	2.94%
12/24/2015	2.96	10/8/2015	235.9553	2.96%
12/23/2015	3.00	10/7/2015	232.9746	2.89%
12/22/2015	2.96	10/6/2015	233.422	2.88%

12/21/2015	2.92	10/5/2015	235.7538	2.90%
12/18/2015	2.90	10/2/2015	232.7982	2.82%
12/17/2015	2.94	10/1/2015	229.7074	2.85%
12/16/2015	3.02	9/30/2015	232.2421	2.87%
12/15/2015	3.00	9/29/2015	228.9158	2.85%
12/14/2015	2.96	9/28/2015	228.9975	2.87%
12/11/2015	2.87	9/25/2015	229.9794	2.96%
12/10/2015	2.98	9/24/2015	227.2423	2.91%
12/9/2015	2.97	9/23/2015	225.2557	2.95%
12/8/2015	2.97	9/22/2015	224.6902	2.94%
12/7/2015	2.95	9/21/2015	226.9923	3.02%
12/4/2015	3.01	9/18/2015	225.6134	2.93%
12/3/2015	3.07	9/17/2015	226.9391	3.02%
12/2/2015	2.91	9/16/2015	223.8401	3.08%
12/1/2015	2.91	9/15/2015	221.4419	3.06%
11/30/2015	2.98	9/14/2015	220.8547	2.95%
11/27/2015	3.00	9/11/2015	220.6637	2.95%
11/26/2015	3.00	9/10/2015	218.6177	2.98%
11/25/2015	3.00	9/9/2015	218.7231	2.96%
11/24/2015	3.00	9/8/2015	221.3504	2.97%
11/23/2015	3.00	9/4/2015	216.9063	2.89%
11/20/2015	3.02	9/3/2015	219.7453	2.95%
11/19/2015	3.00	9/2/2015	218.8273	2.97%
11/18/2015	3.04	9/1/2015	218.9225	2.93%
11/17/2015	3.04	8/31/2015	224.8058	2.95%
11/16/2015	3.07	8/28/2015	228.3751	2.92%
11/13/2015	3.06	8/27/2015	228.9512	2.93%
11/12/2015	3.09	8/26/2015	226.3632	2.94%
11/11/2015	3.10	8/25/2015	222.7466	2.84%
11/10/2015	3.10	8/24/2015	229.4825	2.73%
11/9/2015	3.12	8/21/2015	239.7065	2.74%
11/6/2015	3.09	8/20/2015	242.8034	2.76%
11/5/2015	3.01	8/19/2015	244.059	2.81%
11/4/2015	3.00	8/18/2015	243.1818	2.87%
11/3/2015	3.00	8/17/2015	243.954	2.81%
11/2/2015	2.95	8/14/2015	242.7887	2.84%
10/30/2015	2.93	8/13/2015	241.5746	2.86%
10/29/2015	2.96	8/12/2015	241.7893	2.84%
10/28/2015	2.87	8/11/2015	238.5071	2.81%
10/27/2015	2.86	8/10/2015	236.9669	2.89%
10/26/2015	2.87	8/7/2015	237.9867	2.83%
10/23/2015	2.90	8/6/2015	235.2834	2.90%
10/22/2015	2.87	8/5/2015	234.1133	2.94%
10/21/2015	2.87	8/4/2015	233.8007	2.90%
10/20/2015	2.92	8/3/2015	236.915	2.86%
10/19/2015	2.89	7/31/2015	235.0613	2.92%
10/16/2015	2.87	7/30/2015	233.1374	2.96%
10/15/2015	2.87	7/29/2015	231.2252	2.99%
10/14/2015	2.84	7/28/2015	230.3193	2.96%
10/13/2015	2.89	7/27/2015	229.2868	2.93%
10/12/2015	2.94	7/24/2015	225.9516	2.96%
10/9/2015	2.94	7/23/2015	225.6121	2.98%
10/8/2015	2.96	7/22/2015	228.0514	3.04%
10/7/2015	2.89	7/21/2015	227.1706	3.08%
10/6/2015	2.88	7/20/2015	229.1998	3.10%
10/5/2015	2.90	7/17/2015	230.2036	3.08%
10/2/2015	2.82	7/16/2015	232.7367	3.11%
10/1/2015	2.85	7/15/2015	229.3529	3.13%
9/30/2015	2.87	7/14/2015	228.2878	3.20%
9/29/2015	2.85	7/13/2015	228.663	3.21%
9/28/2015	2.87	7/10/2015	228.6207	3.20%
9/25/2015	2.96	7/9/2015	227.518	3.11%
9/24/2015	2.91	7/8/2015	230.4065	2.99%
9/23/2015	2.95	7/7/2015	231.7005	3.04%
9/22/2015	2.94	7/6/2015	225.9615	3.08%
9/21/2015	3.02	7/2/2015	225.0891	3.19%
9/18/2015	2.93	7/1/2015	221.6914	3.20%
9/17/2015	3.02	6/30/2015	219.9343	3.11%
9/16/2015	3.08	6/29/2015	219.8556	3.09%
9/15/2015	3.06	6/26/2015	220.9073	3.25%
9/14/2015	2.95	6/25/2015	219.0491	3.16%
9/11/2015	2.95	6/24/2015	220.201	3.16%
9/10/2015	2.98	6/23/2015	221.7349	3.20%

9/9/2015	2.96	6/22/2015	224.6974	3.16%
9/8/2015	2.97	6/19/2015	225.3236	3.05%
9/7/2015	2.89	6/18/2015	227.3642	3.14%
9/4/2015	2.89	6/17/2015	224.1456	3.09%
9/3/2015	2.95	6/16/2015	222.4071	3.06%
9/2/2015	2.97	6/15/2015	221.4829	3.09%
9/1/2015	2.93	6/12/2015	222.2826	3.10%
8/31/2015	2.95	6/11/2015	224.0243	3.11%
8/28/2015	2.92	6/10/2015	222.2743	3.22%
8/27/2015	2.93	6/9/2015	221.315	3.15%
8/26/2015	2.94	6/8/2015	221.9807	3.11%
8/25/2015	2.84	6/5/2015	222.7977	3.11%
8/24/2015	2.73	6/4/2015	226.1946	3.03%
8/21/2015	2.74	6/3/2015	226.6184	3.11%
8/20/2015	2.76	6/2/2015	229.629	3.02%
8/19/2015	2.81	6/1/2015	233.0928	2.94%
8/18/2015	2.87	5/29/2015	232.666	2.88%
8/17/2015	2.81	5/28/2015	232.6956	2.89%
8/14/2015	2.84	5/27/2015	231.9788	2.88%
8/13/2015	2.86	5/26/2015	230.6563	2.89%
8/12/2015	2.84	5/22/2015	232.2676	2.99%
8/11/2015	2.81	5/21/2015	232.6956	2.98%
8/10/2015	2.89	5/20/2015	233.2819	3.06%
8/7/2015	2.83	5/19/2015	232.8637	3.05%
8/6/2015	2.90	5/18/2015	232.5564	3.02%
8/5/2015	2.94	5/15/2015	231.6385	2.93%
8/4/2015	2.90	5/14/2015	229.3415	3.03%
8/3/2015	2.86	5/13/2015	227.1725	3.07%
7/31/2015	2.92	5/12/2015	228.6094	3.02%
7/30/2015	2.96	5/11/2015	229.9505	3.03%
7/29/2015	2.99	5/8/2015	231.7365	2.90%
7/28/2015	2.96	5/7/2015	230.7815	2.90%
7/27/2015	2.93	5/6/2015	230.0469	2.98%
7/24/2015	2.96	5/5/2015	231.2995	2.90%
7/23/2015	2.98	5/4/2015	236.7993	2.88%
7/22/2015	3.04	5/1/2015	235.0655	2.82%
7/21/2015	3.08	4/30/2015	233.8112	2.75%
7/20/2015	3.10	4/29/2015	237.7147	2.76%
7/17/2015	3.08	4/28/2015	239.3857	2.68%
7/16/2015	3.11	4/27/2015	237.9237	2.61%
7/15/2015	3.13	4/24/2015	240.6166	2.62%
7/14/2015	3.20	4/23/2015	238.8353	2.63%
7/13/2015	3.21	4/22/2015	237.0592	2.66%
7/10/2015	3.20	4/21/2015	236.7641	2.58%
7/9/2015	3.11	4/20/2015	238.8696	2.56%
7/8/2015	2.99	4/17/2015	235.5795	2.51%
7/7/2015	3.04	4/16/2015	236.0171	2.56%
7/6/2015	3.08	4/15/2015	237.2328	2.55%
7/3/2015	3.19	4/14/2015	237.3198	2.54%
7/2/2015	3.19	4/13/2015	235.9682	2.58%
7/1/2015	3.20	4/10/2015	238.3814	2.58%
6/30/2015	3.11	4/9/2015	236.2204	2.61%
6/29/2015	3.09	4/8/2015	236.93	2.53%
6/26/2015	3.25	4/7/2015	237.5197	2.52%
6/25/2015	3.16	4/6/2015	240.9943	2.57%
6/24/2015	3.16	4/2/2015	238.7349	2.53%
6/23/2015	3.20	4/1/2015	238.6677	2.47%
6/22/2015	3.16	3/31/2015	237.4594	2.54%
6/19/2015	3.05	3/30/2015	237.8057	2.55%
6/18/2015	3.14	3/27/2015	235.4183	2.53%
6/17/2015	3.09	3/26/2015	233.7982	2.60%
6/16/2015	3.06	3/25/2015	235.4696	2.50%
6/15/2015	3.09	3/24/2015	238.4311	2.46%
6/12/2015	3.10	3/23/2015	241.2913	2.51%
6/11/2015	3.11	3/20/2015	241.2073	2.50%
6/10/2015	3.22	3/19/2015	238.6784	2.54%
6/9/2015	3.15	3/18/2015	241.1847	2.51%
6/8/2015	3.11	3/17/2015	235.0156	2.61%
6/5/2015	3.11	3/16/2015	235.5457	2.67%
6/4/2015	3.03	3/13/2015	231.4766	2.70%
6/3/2015	3.11	3/12/2015	233.8015	2.69%
6/2/2015	3.02	3/11/2015	229.251	2.69%
6/1/2015	2.94	3/10/2015	230.7783	2.73%

5/29/2015	2.88	3/9/2015	231.0523	2.80%
5/28/2015	2.89	3/6/2015	230.4269	2.83%
5/27/2015	2.88	3/5/2015	237.8307	2.71%
5/26/2015	2.89	3/4/2015	236.0613	2.72%
5/25/2015	2.99	3/3/2015	237.6467	2.71%
5/22/2015	2.99	3/2/2015	236.2788	2.68%
5/21/2015	2.98	2/27/2015	241.1526	2.60%
5/20/2015	3.06	2/26/2015	241.186	2.63%
5/19/2015	3.05	2/25/2015	242.8879	2.56%
5/18/2015	3.02	2/24/2015	247.2628	2.60%
5/15/2015	2.93	2/23/2015	246.4556	2.66%
5/14/2015	3.03	2/20/2015	244.7533	2.73%
5/13/2015	3.07	2/19/2015	244.6075	2.73%
5/12/2015	3.02	2/18/2015	246.885	2.70%
5/11/2015	3.03	2/17/2015	240.5	2.73%
5/8/2015	2.90	2/13/2015	240.8112	2.63%
5/7/2015	2.90	2/12/2015	244.8348	2.58%
5/6/2015	2.98	2/11/2015	246.134	2.57%
5/5/2015	2.90	2/10/2015	251.05	2.58%
5/4/2015	2.88	2/9/2015	245.7468	2.52%
5/1/2015	2.82	2/6/2015	248.5845	2.51%
4/30/2015	2.75	2/5/2015	259.4843	2.42%
4/29/2015	2.76	2/4/2015	258.1017	2.39%
4/28/2015	2.68	2/3/2015	262.0731	2.37%
4/27/2015	2.61	2/2/2015	261.7753	2.25%
4/24/2015	2.62	1/30/2015	260.6062	2.25%
4/23/2015	2.63	1/29/2015	267.0893	2.33%
4/22/2015	2.66	1/28/2015	263.5859	2.29%
4/21/2015	2.58	1/27/2015	265.8768	2.40%
4/20/2015	2.56	1/26/2015	265.0795	2.40%
4/17/2015	2.51	1/23/2015	265.2066	2.38%
4/16/2015	2.56	1/22/2015	264.3287	2.46%
4/15/2015	2.55	1/21/2015	264.3807	2.44%
4/14/2015	2.54	1/20/2015	262.2081	2.39%
4/13/2015	2.58	1/16/2015	261.4268	2.44%
4/10/2015	2.58	1/15/2015	258.7767	2.40%
4/9/2015	2.61	1/14/2015	257.1313	2.47%
4/8/2015	2.53	1/13/2015	254.5597	2.49%
4/7/2015	2.52	1/12/2015	253.6326	2.49%
4/6/2015	2.57	1/9/2015	254.3635	2.55%
4/3/2015	2.49	1/8/2015	256.951	2.59%
4/2/2015	2.53	1/7/2015	255.3389	2.52%
4/1/2015	2.47	1/6/2015	252.4245	2.52%
3/31/2015	2.54	1/5/2015	251.6943	2.60%
3/30/2015	2.55	1/2/2015	254.1612	2.69%
3/27/2015	2.53	12/31/2014	252.89	2.75%
3/26/2015	2.60	12/30/2014	257.1153	2.76%
3/25/2015	2.50	12/29/2014	262.9732	2.78%
3/24/2015	2.46	12/26/2014	259.6841	2.81%
3/23/2015	2.51	12/24/2014	256.6419	2.83%
3/20/2015	2.50	12/23/2014	252.1914	2.85%
3/19/2015	2.54	12/22/2014	252.1032	2.75%
3/18/2015	2.51	12/19/2014	251.0866	2.77%
3/17/2015	2.61	12/18/2014	250.7631	2.82%
3/16/2015	2.67	12/17/2014	246.2878	2.74%
3/13/2015	2.70	12/16/2014	241.8588	2.69%
3/12/2015	2.69	12/15/2014	241.7012	2.74%
3/11/2015	2.69	12/12/2014	243.1688	2.75%
3/10/2015	2.73	12/11/2014	245.3275	2.84%
3/9/2015	2.80	12/10/2014	242.9625	2.83%
3/6/2015	2.83	12/9/2014	246.557	2.87%
3/5/2015	2.71	12/8/2014	245.5464	2.90%
3/4/2015	2.72	12/5/2014	242.941	2.97%
3/3/2015	2.71	12/4/2014	244.451	2.94%
3/2/2015	2.68	12/3/2014	244.319	2.99%
2/27/2015	2.60	12/2/2014	244.2632	3.00%
2/26/2015	2.63	12/1/2014	242.7757	2.95%
2/25/2015	2.56	11/28/2014	241.8675	2.89%
2/24/2015	2.60	11/26/2014	238.9686	2.95%
2/23/2015	2.66	11/25/2014	237.8797	2.97%
2/20/2015	2.73	11/24/2014	238.435	3.01%
2/19/2015	2.73	11/21/2014	240.3184	3.02%
2/18/2015	2.70	11/20/2014	239.3652	3.05%

2/17/2015	2.73	11/19/2014	240.37	3.08%
2/16/2015	2.63	11/18/2014	240.7066	3.05%
2/13/2015	2.63	11/17/2014	239.692	3.06%
2/12/2015	2.58	11/14/2014	236.4048	3.04%
2/11/2015	2.57	11/13/2014	237.3084	3.08%
2/10/2015	2.58	11/12/2014	239.3504	3.09%
2/9/2015	2.52	11/10/2014	244.3028	3.09%
2/6/2015	2.51	11/7/2014	242.606	3.04%
2/5/2015	2.42	11/6/2014	240.5087	3.09%
2/4/2015	2.39	11/5/2014	245.3038	3.06%
2/3/2015	2.37	11/4/2014	239.553	3.05%
2/2/2015	2.25	11/3/2014	240.7883	3.07%
1/30/2015	2.25	10/31/2014	239.2417	3.07%
1/29/2015	2.33	10/30/2014	239.1143	3.04%
1/28/2015	2.29	10/29/2014	235.058	3.06%
1/27/2015	2.40	10/28/2014	236.77	3.06%
1/26/2015	2.40	10/27/2014	235.7375	3.04%
1/23/2015	2.38	10/24/2014	235.5512	3.05%
1/22/2015	2.46	10/23/2014	233.945	3.05%
1/21/2015	2.44	10/22/2014	233.1795	3.01%
1/20/2015	2.39	10/21/2014	231.6596	3.00%
1/19/2015	2.44	10/20/2014	230.5782	2.96%
1/16/2015	2.44	10/17/2014	227.4794	2.98%
1/15/2015	2.40	10/16/2014	226.4739	2.94%
1/14/2015	2.47	10/15/2014	226.9381	2.92%
1/13/2015	2.49	10/14/2014	229.4505	2.95%
1/12/2015	2.49	10/10/2014	224.6334	3.03%
1/9/2015	2.55	10/9/2014	223.1584	3.07%
1/8/2015	2.59	10/8/2014	226.5886	3.07%
1/7/2015	2.52	10/7/2014	221.4788	3.06%
1/6/2015	2.52	10/6/2014	221.3701	3.12%
1/5/2015	2.60	10/3/2014	221.6594	3.13%
1/2/2015	2.69	10/2/2014	220.2949	3.15%
1/1/2015	2.75	10/1/2014	220.5594	3.12%
12/31/2014	2.75	9/30/2014	219.427	3.21%
12/30/2014	2.76	9/29/2014	219.0928	3.18%
12/29/2014	2.78	9/26/2014	218.619	3.22%
12/26/2014	2.81	9/25/2014	218.2565	3.22%
12/25/2014	2.83	9/24/2014	219.6716	3.28%
12/24/2014	2.83	9/23/2014	219.8711	3.25%
12/23/2014	2.85	9/22/2014	220.6566	3.28%
12/22/2014	2.75	9/19/2014	221.9123	3.29%
12/19/2014	2.77	9/18/2014	220.2025	3.36%
12/18/2014	2.82	9/17/2014	222.1788	3.37%
12/17/2014	2.74	9/16/2014	222.9929	3.36%
12/16/2014	2.69	9/15/2014	220.6684	3.34%
12/15/2014	2.74	9/12/2014	220.1909	3.35%
12/12/2014	2.75	9/11/2014	224.6294	3.27%
12/11/2014	2.84	9/10/2014	222.9246	3.26%
12/10/2014	2.83	9/9/2014	223.5015	3.23%
12/9/2014	2.87	9/8/2014	226.2687	3.23%
12/8/2014	2.90	9/5/2014	227.9079	3.23%
12/5/2014	2.97	9/4/2014	225.0339	3.21%
12/4/2014	2.94	9/3/2014	225.6329	3.15%
12/3/2014	2.99	9/2/2014	224.1258	3.17%
12/2/2014	3.00	8/29/2014	226.9513	3.09%
12/1/2014	2.95	8/28/2014	225.4475	3.08%
11/28/2014	2.89	8/27/2014	223.7443	3.11%
11/27/2014	2.95	8/26/2014	221.7083	3.15%
11/26/2014	2.95	8/25/2014	224.3975	3.13%
11/25/2014	2.97	8/22/2014	222.8982	3.16%
11/24/2014	3.01	8/21/2014	223.6129	3.19%
11/21/2014	3.02	8/20/2014	223.0641	3.22%
11/20/2014	3.05	8/19/2014	222.4734	3.21%
11/19/2014	3.08	8/18/2014	219.6515	3.20%
11/18/2014	3.05	8/15/2014	219.8365	3.13%
11/17/2014	3.06	8/14/2014	219.3229	3.20%
11/14/2014	3.04	8/13/2014	217.7018	3.24%
11/13/2014	3.08	8/12/2014	216.6189	3.27%
11/12/2014	3.09	8/11/2014	216.73	3.24%
11/10/2014	3.09	8/8/2014	217.6064	3.23%
11/7/2014	3.04	8/7/2014	213.872	3.23%
11/6/2014	3.09	8/6/2014	211.4775	3.27%

11/5/2014	3.06	8/5/2014	214.0694	3.28%
11/4/2014	3.05	8/4/2014	216.9005	3.30%
11/3/2014	3.07	8/1/2014	218.2479	3.29%
10/31/2014	3.07	7/31/2014	217.539	3.32%
10/30/2014	3.04	7/30/2014	222.1302	3.31%
10/29/2014	3.06	7/29/2014	226.0944	3.22%
10/28/2014	3.06	7/28/2014	228.6488	3.26%
10/27/2014	3.04	7/25/2014	225.1506	3.24%
10/24/2014	3.05	7/24/2014	226.9208	3.30%
10/23/2014	3.05	7/23/2014	226.4285	3.26%
10/22/2014	3.01	7/22/2014	226.6493	3.25%
10/21/2014	3.00	7/21/2014	226.9148	3.26%
10/20/2014	2.96	7/18/2014	227.2941	3.29%
10/17/2014	2.98	7/17/2014	224.6478	3.27%
10/16/2014	2.94	7/16/2014	226.699	3.35%
10/15/2014	2.92	7/15/2014	225.8464	3.37%
10/14/2014	2.95	7/14/2014	224.4247	3.36%
10/10/2014	3.03	7/11/2014	226.872	3.34%
10/9/2014	3.07	7/10/2014	228.2427	3.38%
10/8/2014	3.07	7/9/2014	226.8867	3.37%
10/7/2014	3.06	7/8/2014	227.3877	3.38%
10/6/2014	3.12	7/7/2014	226.0766	3.44%
10/3/2014	3.13	7/3/2014	225.1658	3.47%
10/2/2014	3.15	7/2/2014	227.2841	3.46%
10/1/2014	3.12	7/1/2014	231.8635	3.40%
9/30/2014	3.21	6/30/2014	233.655	3.34%
9/29/2014	3.18	6/27/2014	231.7051	3.36%
9/26/2014	3.22	6/26/2014	230.7755	3.35%
9/25/2014	3.22	6/25/2014	230.7037	3.38%
9/24/2014	3.28	6/24/2014	228.9312	3.41%
9/23/2014	3.25	6/23/2014	227.9092	3.45%
9/22/2014	3.28	6/20/2014	228.7279	3.44%
9/19/2014	3.29	6/19/2014	229.5963	3.47%
9/18/2014	3.36	6/18/2014	227.7031	3.43%
9/17/2014	3.37	6/17/2014	222.6738	3.44%
9/16/2014	3.36	6/16/2014	223.3093	3.40%
9/15/2014	3.34	6/13/2014	221.7425	3.41%
9/12/2014	3.35	6/12/2014	220.6979	3.41%
9/11/2014	3.27	6/11/2014	219.6574	3.47%
9/10/2014	3.26	6/10/2014	222.302	3.47%
9/9/2014	3.23	6/9/2014	223.2571	3.45%
9/8/2014	3.23	6/6/2014	224.8977	3.44%
9/5/2014	3.23	6/5/2014	225.4007	3.44%
9/4/2014	3.21	6/4/2014	223.363	3.45%
9/3/2014	3.15	6/3/2014	223.0898	3.43%
9/2/2014	3.17	6/2/2014	222.7856	3.38%
9/1/2014	3.09	5/30/2014	223.1447	3.33%
8/29/2014	3.09	5/29/2014	221.5981	3.31%
8/28/2014	3.08	5/28/2014	222.0067	3.29%
8/27/2014	3.11	5/27/2014	220.656	3.37%
8/26/2014	3.15	5/23/2014	219.3814	3.40%
8/25/2014	3.13	5/22/2014	219.659	3.43%
8/22/2014	3.16	5/21/2014	217.882	3.42%
8/21/2014	3.19	5/20/2014	217.9425	3.38%
8/20/2014	3.22	5/19/2014	217.3504	3.39%
8/19/2014	3.21	5/16/2014	221.372	3.34%
8/18/2014	3.20	5/15/2014	220.6093	3.33%
8/15/2014	3.13	5/14/2014	221.6013	3.37%
8/14/2014	3.20	5/13/2014	220.1787	3.45%
8/13/2014	3.24	5/12/2014	219.9436	3.49%
8/12/2014	3.27	5/9/2014	222.0347	3.47%
8/11/2014	3.24	5/8/2014	225.263	3.45%
8/8/2014	3.23	5/7/2014	227.6021	3.40%
8/7/2014	3.23	5/6/2014	224.1161	3.38%
8/6/2014	3.27	5/5/2014	224.9997	3.41%
8/5/2014	3.28	5/2/2014	223.5912	3.37%
8/4/2014	3.30	5/1/2014	228.3051	3.41%
8/1/2014	3.29	4/30/2014	228.7055	3.47%
7/31/2014	3.32	4/29/2014	228.0198	3.49%
7/30/2014	3.31	4/28/2014	228.8202	3.47%
7/29/2014	3.22	4/25/2014	228.0777	3.45%
7/28/2014	3.26	4/24/2014	225.3087	3.46%
7/25/2014	3.24	4/23/2014	224.0036	3.47%

7/24/2014	3.30	4/22/2014	223.7622	3.50%
7/23/2014	3.26	4/21/2014	223.5127	3.52%
7/22/2014	3.25	4/17/2014	223.7907	3.52%
7/21/2014	3.26	4/16/2014	226.7779	3.45%
7/18/2014	3.29	4/15/2014	225.1986	3.46%
7/17/2014	3.27	4/14/2014	221.9266	3.48%
7/16/2014	3.35	4/11/2014	220.4637	3.48%
7/15/2014	3.37	4/10/2014	220.4399	3.52%
7/14/2014	3.36	4/9/2014	221.3934	3.57%
7/11/2014	3.34	4/8/2014	221.9464	3.54%
7/10/2014	3.38	4/7/2014	218.6111	3.56%
7/9/2014	3.37	4/4/2014	219.3882	3.59%
7/8/2014	3.38	4/3/2014	218.3522	3.62%
7/7/2014	3.44	4/2/2014	217.5962	3.65%
7/4/2014	3.47	4/1/2014	218.4185	3.60%
7/3/2014	3.47	3/31/2014	219.5396	3.56%
7/2/2014	3.46	3/28/2014	217.0091	3.55%
7/1/2014	3.40	3/27/2014	216.7519	3.52%
6/30/2014	3.34	3/26/2014	215.16	3.55%
6/27/2014	3.36	3/25/2014	216.196	3.59%
6/26/2014	3.35	3/24/2014	215.0031	3.57%
6/25/2014	3.38	3/21/2014	214.6813	3.61%
6/24/2014	3.41	3/20/2014	213.1704	3.67%
6/23/2014	3.45	3/19/2014	213.5586	3.66%
6/20/2014	3.44	3/18/2014	216.9964	3.62%
6/19/2014	3.47	3/17/2014	217.4706	3.63%
6/18/2014	3.43	3/14/2014	216.4092	3.59%
6/17/2014	3.44	3/13/2014	215.3387	3.60%
6/16/2014	3.40	3/12/2014	212.5882	3.66%
6/13/2014	3.41	3/11/2014	209.7031	3.70%
6/12/2014	3.41	3/10/2014	210.5849	3.73%
6/11/2014	3.47	3/7/2014	211.0701	3.72%
6/10/2014	3.47	3/6/2014	210.4947	3.68%
6/9/2014	3.45	3/5/2014	211.5954	3.64%
6/6/2014	3.44	3/4/2014	213.2401	3.64%
6/5/2014	3.44	3/3/2014	211.1463	3.55%
6/4/2014	3.45	2/28/2014	213.1543	3.59%
6/3/2014	3.43	2/27/2014	211.5644	3.60%
6/2/2014	3.38	2/26/2014	211.9663	3.63%
5/30/2014	3.33	2/25/2014	212.8649	3.66%
5/29/2014	3.31	2/24/2014	212.7637	3.70%
5/28/2014	3.29	2/21/2014	214.063	3.69%
5/27/2014	3.37	2/20/2014	213.4621	3.73%
5/26/2014	3.40	2/19/2014	212.0442	3.71%
5/23/2014	3.40	2/18/2014	213.8784	3.68%
5/22/2014	3.43	2/14/2014	213.1339	3.69%
5/21/2014	3.42	2/13/2014	211.3369	3.70%
5/20/2014	3.38	2/12/2014	208.9443	3.72%
5/19/2014	3.39	2/11/2014	208.5949	3.69%
5/16/2014	3.34	2/10/2014	206.6677	3.66%
5/15/2014	3.33	2/7/2014	205.4649	3.67%
5/14/2014	3.37	2/6/2014	204.0916	3.67%
5/13/2014	3.45	2/5/2014	203.2617	3.66%
5/12/2014	3.49	2/4/2014	204.5542	3.59%
5/9/2014	3.47	2/3/2014	205.6846	3.55%
5/8/2014	3.45	1/31/2014	207.503	3.61%
5/7/2014	3.40	1/30/2014	205.6763	3.65%
5/6/2014	3.38	1/29/2014	202.6046	3.62%
5/5/2014	3.41	1/28/2014	203.0033	3.68%
5/2/2014	3.37	1/27/2014	201.6722	3.67%
5/1/2014	3.41	1/24/2014	201.3412	3.64%
4/30/2014	3.47	1/23/2014	204.0515	3.68%
4/29/2014	3.49	1/22/2014	204.3734	3.75%
4/28/2014	3.47	1/21/2014	204.2603	3.74%
4/25/2014	3.45	1/17/2014	201.9003	3.75%
4/24/2014	3.46	1/16/2014	201.831	3.77%
4/23/2014	3.47	1/15/2014	200.8398	3.81%
4/22/2014	3.50	1/14/2014	201.2576	3.80%
4/21/2014	3.52	1/13/2014	201.2544	3.77%
4/18/2014	3.52	1/10/2014	202.8826	3.80%
4/17/2014	3.52	1/9/2014	199.7501	3.88%
4/16/2014	3.45	1/8/2014	198.6115	3.90%
4/15/2014	3.46	1/7/2014	199.5427	3.88%

4/14/2014	3.48	1/6/2014	197.6932	3.90%
4/11/2014	3.48	1/3/2014	197.9927	3.93%
4/10/2014	3.52	1/2/2014	198.3926	3.92%
4/9/2014	3.57	12/31/2013	201.4261	3.96%
4/8/2014	3.54	12/30/2013	200.9882	3.90%
4/7/2014	3.56	12/27/2013	200.5049	3.94%
4/4/2014	3.59	12/26/2013	200.0414	3.92%
4/3/2014	3.62	12/24/2013	200.9226	3.90%
4/2/2014	3.65	12/23/2013	200.5883	3.85%
4/1/2014	3.60	12/20/2013	201.2226	3.82%
3/31/2014	3.56	12/19/2013	199.3517	3.91%
3/28/2014	3.55	12/18/2013	200.4943	3.90%
3/27/2014	3.52	12/17/2013	197.6566	3.88%
3/26/2014	3.55	12/16/2013	198.2545	3.90%
3/25/2014	3.59	12/13/2013	196.8619	3.88%
3/24/2014	3.57	12/12/2013	197.071	3.91%
3/21/2014	3.61	12/11/2013	196.4194	3.87%
3/20/2014	3.67	12/10/2013	198.0351	3.83%
3/19/2014	3.66	12/9/2013	200.6806	3.88%
3/18/2014	3.62	12/6/2013	202.2378	3.90%
3/17/2014	3.63	12/5/2013	199.6308	3.92%
3/14/2014	3.59	12/4/2013	200.6384	3.90%
3/13/2014	3.60	12/3/2013	200.0903	3.84%
3/12/2014	3.66	12/2/2013	199.7696	3.86%
3/11/2014	3.70	11/29/2013	200.4587	3.82%
3/10/2014	3.73	11/27/2013	200.6881	3.81%
3/7/2014	3.72	11/26/2013	201.3385	3.80%
3/6/2014	3.68	11/25/2013	203.5123	3.83%
3/5/2014	3.64	11/22/2013	204.6104	3.84%
3/4/2014	3.64	11/21/2013	204.6312	3.89%
3/3/2014	3.55	11/20/2013	204.1261	3.90%
2/28/2014	3.59	11/19/2013	206.2911	3.80%
2/27/2014	3.60	11/18/2013	207.9422	3.76%
2/26/2014	3.63	11/15/2013	207.7079	3.80%
2/25/2014	3.66	11/14/2013	206.5621	3.79%
2/24/2014	3.70	11/13/2013	204.1008	3.83%
2/21/2014	3.69	11/12/2013	203.4795	3.86%
2/20/2014	3.73	11/8/2013	204.6811	3.84%
2/19/2014	3.71	11/7/2013	204.8813	3.71%
2/18/2014	3.68	11/6/2013	206.952	3.77%
2/17/2014	3.69	11/5/2013	204.7545	3.76%
2/14/2014	3.69	11/4/2013	206.743	3.70%
2/13/2014	3.70	11/1/2013	205.9789	3.69%
2/12/2014	3.72	10/31/2013	203.6729	3.63%
2/11/2014	3.69	10/30/2013	205.6383	3.63%
2/10/2014	3.66	10/29/2013	207.3326	3.62%
2/7/2014	3.67	10/28/2013	207.3264	3.61%
2/6/2014	3.67	10/25/2013	207.7295	3.60%
2/5/2014	3.66	10/24/2013	205.5465	3.61%
2/4/2014	3.59	10/23/2013	205.9856	3.59%
2/3/2014	3.55	10/22/2013	204.8708	3.61%
1/31/2014	3.61	10/21/2013	202.1348	3.68%
1/30/2014	3.65	10/18/2013	202.4321	3.65%
1/29/2014	3.62	10/17/2013	201.7853	3.66%
1/28/2014	3.68	10/16/2013	198.2085	3.72%
1/27/2014	3.67	10/15/2013	196.0701	3.78%
1/24/2014	3.64	10/11/2013	199.9449	3.74%
1/23/2014	3.68	10/10/2013	198.9048	3.75%
1/22/2014	3.75	10/9/2013	196.1739	3.73%
1/21/2014	3.74	10/8/2013	195.0468	3.70%
1/20/2014	3.75	10/7/2013	193.6979	3.70%
1/17/2014	3.75	10/4/2013	194.6974	3.73%
1/16/2014	3.77	10/3/2013	194.4495	3.71%
1/15/2014	3.81	10/2/2013	197.235	3.70%
1/14/2014	3.80	10/1/2013	196.9474	3.72%
1/13/2014	3.77	9/30/2013	196.1097	3.69%
1/10/2014	3.80	9/27/2013	196.2651	3.68%
1/9/2014	3.88	9/26/2013	197.4632	3.69%
1/8/2014	3.90	9/25/2013	197.6594	3.65%
1/7/2014	3.88	9/24/2013	199.4266	3.67%
1/6/2014	3.90	9/23/2013	199.7857	3.73%
1/3/2014	3.93	9/20/2013	197.5453	3.77%
1/2/2014	3.92	9/19/2013	200.4134	3.80%

1/1/2014	3.96	9/18/2013	201.0829	3.75%
12/31/2013	3.96	9/17/2013	194.4215	3.84%
12/30/2013	3.90	9/16/2013	193.8141	3.87%
12/27/2013	3.94	9/13/2013	193.5641	3.84%
12/26/2013	3.92	9/12/2013	192.4807	3.85%
12/25/2013	3.90	9/11/2013	193.4753	3.85%
12/24/2013	3.90	9/10/2013	195.2024	3.88%
12/23/2013	3.85	9/9/2013	194.0155	3.84%
12/20/2013	3.82	9/6/2013	193.4397	3.87%
12/19/2013	3.91	9/5/2013	192.3833	3.88%
12/18/2013	3.90	9/4/2013	193.1602	3.80%
12/17/2013	3.88	9/3/2013	193.492	3.79%
12/16/2013	3.90	8/30/2013	196.0916	3.70%
12/13/2013	3.88	8/29/2013	196.0056	3.70%
12/12/2013	3.91	8/28/2013	196.7808	3.75%
12/11/2013	3.87	8/27/2013	196.3916	3.70%
12/10/2013	3.83	8/26/2013	196.5522	3.77%
12/9/2013	3.88	8/23/2013	198.344	3.80%
12/6/2013	3.90	8/22/2013	196.8528	3.88%
12/5/2013	3.92	8/21/2013	195.8515	3.90%
12/4/2013	3.90	8/20/2013	198.572	3.86%
12/3/2013	3.84	8/19/2013	197.2443	3.89%
12/2/2013	3.86	8/16/2013	199.2033	3.86%
11/29/2013	3.82	8/15/2013	201.5375	3.81%
11/28/2013	3.81	8/14/2013	204.6855	3.75%
11/27/2013	3.81	8/13/2013	205.7691	3.75%
11/26/2013	3.80	8/12/2013	206.6846	3.67%
11/25/2013	3.83	8/9/2013	208.0588	3.63%
11/22/2013	3.84	8/8/2013	209.8839	3.65%
11/21/2013	3.89	8/7/2013	209.314	3.68%
11/20/2013	3.90	8/6/2013	208.8546	3.73%
11/19/2013	3.80	8/5/2013	210.5573	3.73%
11/18/2013	3.76	8/2/2013	212.2727	3.69%
11/15/2013	3.80	8/1/2013	212.249	3.77%
11/14/2013	3.79	7/31/2013	210.6168	3.64%
11/13/2013	3.83	7/30/2013	212.1841	3.67%
11/12/2013	3.86	7/29/2013	211.2375	3.66%
11/8/2013	3.84	7/26/2013	210.5708	3.61%
11/7/2013	3.71	7/25/2013	210.0285	3.65%
11/6/2013	3.77	7/24/2013	209.3611	3.65%
11/5/2013	3.76	7/23/2013	212.4654	3.58%
11/4/2013	3.70	7/22/2013	212.2032	3.55%
11/1/2013	3.69	7/19/2013	212.1319	3.56%
10/31/2013	3.63	7/18/2013	212.3553	3.63%
10/30/2013	3.63	7/17/2013	210.433	3.57%
10/29/2013	3.62	7/16/2013	210.61	3.58%
10/28/2013	3.61	7/15/2013	211.7184	3.61%
10/25/2013	3.60	7/12/2013	208.4616	3.64%
10/24/2013	3.61	7/11/2013	207.7795	3.64%
10/23/2013	3.59	7/10/2013	204.3874	3.68%
10/22/2013	3.61	7/9/2013	203.0258	3.64%
10/21/2013	3.68	7/8/2013	201.6217	3.63%
10/18/2013	3.65	7/5/2013	199.0481	3.68%
10/17/2013	3.66	7/3/2013	199.7272	3.49%
10/16/2013	3.72	7/2/2013	200.0711	3.47%
10/15/2013	3.78	7/1/2013	199.9608	3.48%
10/11/2013	3.74	6/28/2013	202.1579	3.52%
10/10/2013	3.75	6/27/2013	201.5029	3.54%
10/9/2013	3.73	6/26/2013	200.7271	3.58%
10/8/2013	3.70	6/25/2013	198.2844	3.60%
10/7/2013	3.70	6/24/2013	195.9121	3.56%
10/4/2013	3.73	6/21/2013	196.2773	3.56%
10/3/2013	3.71	6/20/2013	193.4974	3.49%
10/2/2013	3.70	6/19/2013	199.749	3.41%
10/1/2013	3.72	6/18/2013	204.4835	3.34%
9/30/2013	3.69	6/17/2013	203.1916	3.35%
9/27/2013	3.68	6/14/2013	202.4938	3.28%
9/26/2013	3.69	6/13/2013	202.3877	3.33%
9/25/2013	3.65	6/12/2013	198.9303	3.37%
9/24/2013	3.67	6/11/2013	201.0285	3.33%
9/23/2013	3.73	6/10/2013	202.1644	3.36%
9/20/2013	3.77	6/7/2013	202.3531	3.33%
9/19/2013	3.80	6/6/2013	200.613	3.23%