

This second illustration may be a better example of what is happening. Both illustrations represent the same 3-month T-Bill ladder, they're just presented differently.



How is a T-Bill ladder used as an emergency fund?

If you have a financial emergency then you can simply cancel the reinvestment for that month and use those funds. This is possible because the T-Bill bond ladder ensures you have a T-Bill maturing each month.

Another option is to put the emergency expense on a credit card, and then use the cash from the bond ladder to pay off the card at the end of the month.

How much should be invested each month in T-Bills?

This depends on your goal. But one month's worth of your living expenses should be in each T-Bill purchase if using the ladder as an emergency fund.

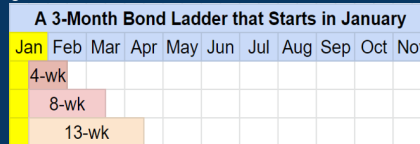
Many financial advisors recommend having an emergency fund that covers 3-6 months of living expenses. So a T-Bill ladder for a 3-month emergency fund should end up holding three 13-week T-Bills with each T-Bill worth enough to cover one month of living expenses.

How do you actually build the T-Bill bond ladder?

Below are the steps for building a 3-month emergency fund bond ladder in Treasury Direct, with monthly expenses of \$5k. You can do the same thing through your broker if they offer a reinvestment option when buying T-Bills.

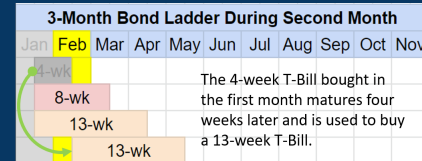
January:

- Transfer \$15k to your Treasury Direct "No Interest C of I" account.
- Buy a \$5k 4-week T-Bill
- Buy a \$5k 8-week T-Bill
- Buy a \$5k 13-Week T-Bill set to automatically reinvest.
- Set all excess funds to go into the Treasury Direct "No Interest C of I" account.



February:

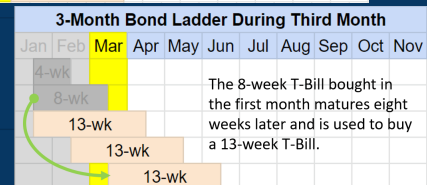
- The 4-week T-Bill will mature
- The 8-week will have one month until maturity
- The 13-week will have two months
- Buy a \$5k 13-week T-Bill (set to automatically reinvest) with cash from the matured 4-week
- Set all excess funds to go into the Treasury Direct "No Interest C of I" account.



The 4-week T-Bill bought in the first month matures four weeks later and is used to buy a 13-week T-Bill.

March:

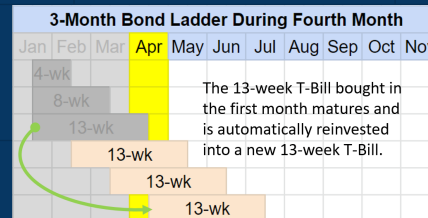
- The 8-Week T-Bill bought in January will mature.
- The 13-Week bought in January will have one month left
- The 13-Week bought in February will have two months left
- Buy \$5k in 13-week T-Bills using the cash from the matured 8-week, and set it to automatically reinvest



The 8-week T-Bill bought in the first month matures eight weeks later and is used to buy a 13-week T-Bill.

April:

- The 13-Week bought in January will mature and automatically reinvest
- The 13-Week bought in February will have one month left
- The 13-Week bought in March will have two months left
- Do nothing and just let the money recirculate into 13-Week T-Bills every month



The 13-week T-Bill bought in the first month matures and is automatically reinvested into a new 13-week T-Bill.

What is your maximum income tax rate?

24.00%

[Nerd Wallet](#) has a great breakdown of the current U.S. income tax rates. Find the maximum rate you are subject to and enter that in the cell above.

Do you pay estimated taxes?

Yes

This is so the sheet can calculate taxes on an annual or a quarterly basis. If you expect to owe \$1,000 or more in federal income tax then you likely want to pay estimated taxes each quarter. You can likely select 'No' if you usually receive a tax refund. Talk to a tax professional if you're not sure, or just choose 'No'.

Import Treasury Data

Click the images on the right to import current data from the U.S. Treasury for the first time. This will run automatically each day after the first activation.

See Security Note below.



Security Note

You will receive a security warning the first time the sheet tries to update the Treasury data. This warning happens because two scripts (***TBillRates.gs*** and ***TreasuryRates.gs***) add and delete data to/from the ***TBillRateImport*** sheet and ***DailyTreasuryRates*** sheet. These scripts do not read or write to anything else and your data is perfectly safe. You can view the scripts by clicking "Extensions" >>> "Apps Script"

Current Ladder Holdings

Ladder Length	5 Months
Currently Invested	\$24,575.00
Value of Holdings at Maturity	\$25,000.00
Final Maturity Date	2/13/2025
Total Return at Final Maturity	\$425.00
Annualized Yield (estimated)	4.15%

Ladder Performance (TTM)

Avg Monthly Investment	\$29,069.67
TTM Return (\$)	\$510.00
TTM Return (%)	#DIV/0!

Taxes

Next Tax Due Date	1/15/2025
Taxes Due This Quarter (est)	\$61.20
Taxes Due Last Quarter (est)	\$61.20
Total Taxes Due This Year (est)	\$255.17
Taxes Due Last Year (est)	\$75.57

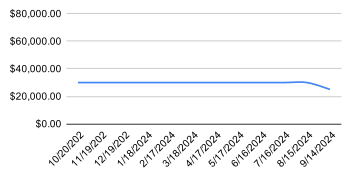
Upcoming Activity

Next Maturity	10/17/2024
- Bond Value	\$5,000.00
- Purchase Price	\$4,915.00
- Return (\$)	\$85.00
- Return (%)	1.73%
- Return Annualized (%)	3.47%

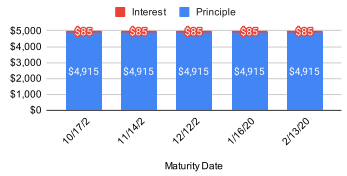
Next Purchase/Reinvestment	12/30/1899
- Amount to Be Purchased	#N/A
- Purchase Price (Est) [10]	#N/A
- Yield (\$ - Est)	#N/A
- Yield (%) - Est)	#N/A
- Yield Annualized (%) - Est)	#N/A

Ladder Performance

Ladder Value Over Time

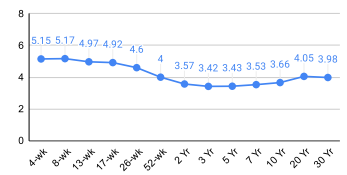


Upcoming Maturities

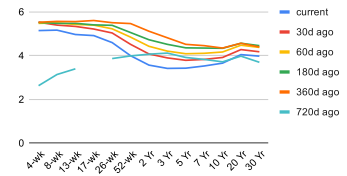


Treasury Yield Curve

Current Yield Curve



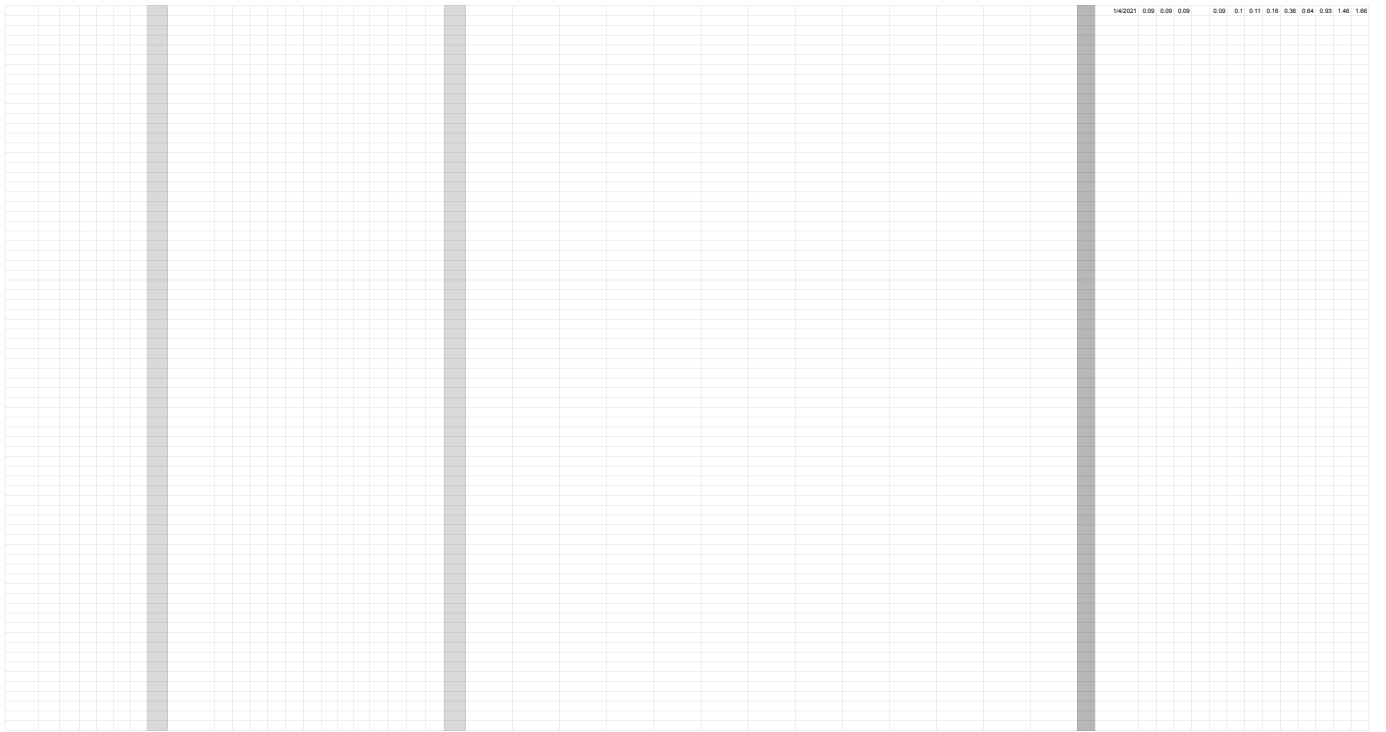
Yield Curve Trends



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30820023	4.1	4.18	4.2	4.3	4.64	4.77	4.72	4.87	4.68	4.87	4.34	4.86
32070023	4.07	4.15	4.28	4.3	4.76	4.88	4.76	4.62	4.84	4.1	4.52	4.83
32400023	4.15	4.23	4.38	4.46	4.97	4.7	4.65	4.8	4.96	4.14	4.12	4.32
32520023	4.13	4.21	4.36	4.46	4.93	4.7	4.7	4.85	4.99	4.79	4.18	4.39
32620023	3.98	4.06	4.36	4.48	4.83	4.76	4.77	4.83	4.93	4.83	4.36	4.68
33010023	3.91	3.99	4.31	4.41	4.82	4.75	4.74	4.9	4.74	4.94	4.44	4.87
33200023	4.19	4.27	4.4	4.5	4.85	4.78	4.7	4.87	4.7	4.87	4.5	4.83
33700023	4.18	4.26	4.39	4.49	4.86	4.86	4.81	4.81	4.99	4.12	4.13	4.3
33800023	3.93	4.01	4.49	4.6	4.97	4.7	4.78	4.94	4.72	4.92	4.32	4.52
33900023	4.06	4.14	4.68	4.77	4.92	4.72	4.87	4.83	4.94	4.84	4.32	4.52
331400023	4.27	4.36	4.81	4.72	4.71	4.85	4.8	4.96	4.71	4.91	4.27	4.47
3314100023	4.46	4.54	4.88	4.77	4.87	4.87	4.87	4.89	4.89	4.89	4.89	4.89
331000023	4.64	4.73	4.78	4.88	4.83	4.87	4.93	5.1	4.93	5.14	4.88	4.91
339000023	4.68	4.75	4.81	4.93	4.87	5.01	5.04	5.21	5.07	5.29	4.93	5.19
3390100023	4.59	4.68	4.81	4.82	4.89	5.03	5.08	5.23	5.09	5.31	4.99	5.25
37000023	4.63	4.72	4.81	4.82	4.87	5.01	4.96	5.13	5.07	5.29	4.96	5.22
38000023	4.59	4.68	4.64	4.75	4.76	4.9	4.87	5.03	4.98	5.19	4.81	5.06
40000023	4.59	4.68	4.68	4.75	4.74	4.87	4.87	5.03	4.94	5.15	4.79	5.03
32000023	4.59	4.68	4.77	4.78	4.74	4.88	4.88	5.04	4.94	5.15	4.8	5.05
31000023	4.52	4.6	4.62	4.75	4.87	4.87	4.87	4.87	4.87	5.07	4.81	5.06
22800023	4.52	4.6	4.64	4.74	4.72	4.86	4.82	4.97	4.93	5.14	4.78	5.03
22970023	4.54	4.62	4.68	4.76	4.74	4.88	4.85	5	4.94	5.15	4.79	5.04
20400023	4.55	4.63	4.67	4.77	4.72	4.84	4.82	4.97	4.91	5.1	4.8	5.05
22300023	4.53	4.61	4.67	4.77	4.71	4.83	4.84	4.99	4.9	5.09	4.78	5.03
223200023	4.49	4.57	4.64	4.74	4.71	4.83	4.84	4.99	4.93	5.13	4.82	5.07
22100023	4.5	4.58	4.66	4.76	4.72	4.84	4.8	4.94	4.92	5.12	4.82	5.07
21700023	4.51	4.59	4.68	4.78	4.77	4.82	4.78	4.92	4.94	5.03	4.78	5.02
214000023	4.53	4.61	4.67	4.77	4.72	4.84	4.83	4.98	4.93	5.02	4.77	5.01
21500023	4.51	4.59	4.62	4.72	4.69	4.78	4.79	4.93	4.82	5.01	4.74	4.98
214000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
215000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
216000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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219000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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221000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
222000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
223000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
224000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
225000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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227000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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240000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
241000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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243000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
244000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
245000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
246000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
247000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
248000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
249000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
250000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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266000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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269000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
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281000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
282000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94
283000023	4.53	4.61	4.62	4.72	4.68	4.78	4.8	4.93	4.82	5.03	4.76	4.94

60902021 1.07	1.09	1.52	1.54	1.75	1.78	2.48	2.56	2.77	2.87	60902021 1.12 1.59 1.79	2.56 2.88 3.11 3.21 3.25 3.27 3.3 3.35 3.3
62020202 1.13	1.15	1.42	1.54	1.76	1.78	2.48	2.56	2.78	2.88	62020202 1.15 1.57 1.79	2.56 2.88 3.11 3.21 3.25 3.27 3.3 3.35 3.3
64202022 1.18	1.20	1.57	1.60	1.86	1.89	2.43	2.49	2.73	2.82	64202022 1.19 1.16 1.73	2.51 2.83 3.04 3.13 3.16 3.19 3.31 3.35 3.28
62202022 1.11	1.13	1.52	1.54	1.79	1.82	2.37	2.40	2.68	2.77	62202022 1.10 1.54 1.74	2.44 2.78 3.01 3.12 3.14 3.16 3.30 3.34 3.31
62202022 0.92	0.93	1.38	1.38	1.67	1.69	2.34	2.37	2.67	2.79	62202022 0.88 1.42 1.61	2.4 2.74 3.02 3.12 3.14 3.16 3.30 3.34 3.25
63102022 1.04	1.06	1.42	1.44	1.68	1.69	2.39	2.45	2.62	2.62	63102022 1.0 1.48 1.7	2.46 2.82 3.01 3.35 3.38 3.39 3.31 3.33 3.35
61702022 1.13	1.15	1.47	1.48	1.68	1.69	2.17	2.22	2.37	2.47	61702022 1.11 1.15 1.63	2.46 2.82 3.01 3.35 3.38 3.39 3.31 3.33 3.35
61602022 1.18	1.20	1.48	1.48	1.74	1.76	2.17	2.22	2.78	2.88	61602022 1.18 1.19 1.59	2.24 2.88 3.14 3.33 3.35 3.38 3.39 3.31 3.35
61502022 1.16	1.18	1.49	1.51	1.69	1.72	2.25	2.21	2.63	2.63	61502022 1.12 1.56 1.74	2.32 2.63 3.2 3.35 3.38 3.39 3.31 3.34 3.36
61402022 1.16	1.17	1.48	1.50	1.76	1.81	2.17	2.24	2.63	2.73	61402022 1.10 1.53 1.83	2.43 3.10 3.29 3.32 3.34 3.37 3.39 3.31 3.34
61302022 1.11	1.13	1.40	1.42	1.69	1.72	2.20	2.26	2.73	2.83	61302022 1.11 1.45 1.73	2.25 2.89 3.4 3.56 3.56 3.51 3.40 3.48 3.42
61202022 1.09	1.11	1.40	1.42	1.69	1.72	2.17	2.22	2.63	2.73	61202022 1.11 1.05 1.59	2.48 3.08 3.26 3.35 3.38 3.41 3.45 3.42
60902022 1.04	1.06	1.18	1.18	1.26	1.28	1.76	1.80	2.23	2.30	60902022 1.05 1.17 1.13	1.81 2.35 2.83 2.99 3.07 3.08 3.04 3.4 3.18
60802022 0.86	0.87	1.05	1.07	1.25	1.27	1.73	1.77	2.18	2.25	60802022 0.80 1.1 1.28	1.77 2.29 2.75 2.90 3.00 3.00 3.03 3.4 3.18
60702022 0.86	0.88	1.06	1.08	1.24	1.26	1.71	1.75	2.08	2.18	60702022 0.87 1.08 1.28	1.80 2.36 2.83 2.99 3.07 3.08 3.04 3.4 3.18
60602022 0.87	0.88	1.04	1.06	1.23	1.25	1.70	1.74	2.14	2.21	60602022 0.86 1.07 1.26	1.74 2.23 2.73 2.94 3.03 3.07 3.04 3.4 3.18
60502022 0.86	0.87	1.03	1.05	1.17	1.19	1.63	1.67	2.10	2.16	60502022 0.87 1.05 1.21	1.86 2.18 2.68 2.87 2.96 2.96 2.96 3.33 3.11
60402022 0.84	0.85	1.04	1.06	1.13	1.15	1.60	1.64	2.07	2.13	60402022 0.85 1.05 1.17	1.84 2.26 2.68 2.86 2.95 2.95 2.95 3.1 3.09
60302022 0.77	0.78	0.85	0.86	1.12	1.14	1.59	1.63	2.08	2.14	60302022 0.77 0.5 1.15	1.83 2.16 2.68 2.84 2.94 2.94 2.94 3.31 3.09
60202022 0.71	0.72	0.84	0.85	1.15	1.16	1.64	1.64	2.00	2.08	60202022 0.70 0.80 1.16	1.83 2.26 2.68 2.81 2.91 2.91 2.91 3.28 3.07
50702022 0.88	0.89	0.90	0.91	1.08	1.10	1.49	1.52	1.94	2.00	50702022 0.89 0.91 1.08	1.54 2.01 2.47 2.64 2.71 2.76 2.74 3.16 2.97
50602022 0.70	0.71	0.89	0.90	1.06	1.08	1.48	1.51	1.93	1.99	50602022 0.71 0.5 1.07	1.52 1.99 2.46 2.63 2.7 2.75 2.75 3.16 2.99
50502022 0.52	0.53	0.83	0.84	1.07	1.07	1.48	1.51	1.94	2.00	50502022 0.50 0.88 1.06	1.52 2.02 2.58 2.71 2.76 2.76 3.16 2.97
50402022 0.51	0.52	0.84	0.85	1.05	1.07	1.49	1.52	1.95	2.01	50402022 0.51 0.88 1.06	1.53 2.02 2.58 2.76 2.76 2.76 3.16 2.98
50302022 0.52	0.53	0.87	0.88	1.09	1.10	1.51	1.56	2.02	2.08	50302022 0.51 0.9 1.07	1.53 2.09 2.67 2.8 2.83 2.83 3.28 3.08 2.98
50202022 0.62	0.63	0.86	0.87	1.01	1.03	1.46	1.49	2.01	2.07	50202022 0.63 0.87 1.03	1.51 2.07 2.67 2.8 2.82 2.82 2.78 3.17 2.99
50102022 0.56	0.56	0.80	0.81	1.04	1.06	1.47	1.50	2.05	2.11	50102022 0.56 0.81 1.05	1.52 2.11 2.63 2.76 2.84 2.87 2.84 3.24 3.05
50002022 0.50	0.51	0.80	0.81	1.02	1.04	1.52	1.55	2.10	2.18	50002022 0.50 0.88 1.03	1.56 2.18 2.68 2.86 2.91 2.91 2.91 3.24 3.07
49902022 0.58	0.59	0.81	0.82	1.06	1.08	1.52	1.55	2.02	2.08	49902022 0.51 0.88 1.06	1.57 2.16 2.71 2.89 2.96 2.96 2.96 3.28 3.17
49802022 0.58	0.59	0.81	0.82	1.07	1.09	1.50	1.53	1.98	2.07	49802022 0.51 0.88 1.07	1.56 2.16 2.78 2.95 2.95 2.95 3.3 3.06
49702022 0.68	0.69	0.78	0.79	1.01	1.03	1.42	1.45	1.92	1.97	49702022 0.67 0.79 1.03	1.47 2.04 2.61 2.79 2.86 2.86 2.85 3.32 3.11
49602022 0.60	0.61	0.77	0.78	0.95	0.97	1.39	1.42	1.85	1.90	49602022 0.61 0.77 0.96	1.44 1.96 2.58 2.73 2.81 2.86 2.84 3.22 3.0
49502022 0.56	0.57	0.74	0.75	0.90	0.91	1.40	1.43	1.80	1.85	49502022 0.56 0.71 0.91	1.45 1.96 2.66 2.81 2.81 2.81 3.42 3.16
49402022 0.55	0.56	0.73	0.73	0.89	0.90	1.40	1.43	1.80	1.85	49402022 0.57 0.71 0.89	1.44 2.01 2.61 2.81 2.89 2.90 3.31 3.12
49302022 0.49	0.50	0.70	0.71	0.82	0.83	1.39	1.42	1.89	1.94	49302022 0.49 0.71 0.82	1.43 1.99 2.61 2.81 2.86 3.04 3.03 3.38 3.19
49202022 0.48	0.49	0.71	0.72	0.84	0.85	1.41	1.42	1.84	1.85	49202022 0.49 0.71 0.82	1.41 2.02 2.73 2.96 2.96 2.96 3.42 3.12
49102022 0.49	0.50	0.70	0.71	0.84	0.85	1.33	1.36	1.86	1.94	49102022 0.49 0.71 0.85	1.37 2.09 2.71 2.91 3.01 3.07 3.05 3.35 3.15
49002022 0.45	0.46	0.69	0.71	0.85	0.86	1.32	1.34	1.80	1.87	49002022 0.45 0.69 0.84	1.36 2.06 2.65 2.83 2.93 2.93 3.37 3.11
48902022 0.44	0.45	0.73	0.74	0.90	0.91	1.41	1.44	2.07	2.13	48902022 0.44 0.77 0.91	1.45 2.16 2.78 2.95 3.01 3.03 3.02 3.29 3.21 3.03
48802022 0.38	0.39	0.67	0.68	0.90	0.91	1.45	1.48	2.01	2.07	48802022 0.41 0.71 0.93	1.49 2.17 2.73 2.95 3.01 3.04 3.04 3.26 3.20 3.07
48702022 0.37	0.38	0.67	0.68	0.91	0.92	1.42	1.45	2.01	2.07	48702022 0.37 0.68 0.91	1.45 2.17 2.73 2.95 3.01 3.04 3.04 3.26 3.20 3.07
48602022 0.37	0.38	0.70	0.71	0.81	0.82	1.35	1.38	1.96	2.02	48602022 0.37 0.71 0.82	1.38 2.04 2.63 2.8 2.88 2.88 2.85 3.1 2.92
48502022 0.36	0.37	0.69	0.70	0.81	0.82	1.34	1.34	1.89	1.93	48502022 0.37 0.69 0.82	1.38 2.09 2.67 2.81 2.81 2.81 3.31 3.06
48402022 0.36	0.37	0.68	0.67	0.84	0.85	1.37	1.40	1.92	1.97	48402022 0.36 0.81 0.83	1.4 1.99 2.54 2.72 2.76 2.8 2.77 3.30 2.86
48302022 0.39	0.40	0.57	0.58	0.93	0.95	1.40	1.43	1.96	2.02	48302022 0.4 0.61 0.91	1.42 2.03 2.63 2.79 2.84 2.88 2.81 3.08 2.88
48202022 0.45	0.47	0.63	0.64	0.83	0.83	1.34	1.36	1.86	1.93	48202022 0.45 0.64 0.83	1.34 2.06 2.76 2.86 2.96 2.96 3.14 2.94
48102022 0.50	0.51	0.64	0.65	0.82	0.83	1.29	1.32	1.96	2.02	48102022 0.5 0.58 0.83	1.32 2.01 2.68 2.87 2.86 2.86 2.93 3.12 2.94
48002022 0.50	0.51	0.64	0.65	0.82	0.83	1.29	1.32	1.96	2.02	48002022 0.5 0.58 0.83	1.32 2.01 2.68 2.87 2.86 2.86 2.93 3.12 2.94
47902022 0.35	0.35	0.54	0.55	0.82	0.83	1.28	1.29	1.89	1.94	47902022 0.37 0.58 0.81	1.28 2.04 2.61 2.81 2.81 2.81 2.95 3.31 3.05
47802022 0.37	0.38	0.57	0.58	0.82	0.83	1.25	1.26	1.92	1.97	47802022 0.36 0.61 0.81	1.27 1.84 2.68 2.87 2.88 2.88 3.19 3.19
47702022 0.37	0.38	0.57	0.58	0.79	0.79	1.22	1.24	1.87	1.93	47702022 0.37 0.61 0.79	1.25 1.84 2.67 2.87 2.88 2.88 3.33 3.02
47602022 0.23	0.23	0.47	0.48	0.75	0.76	1.17	1.19	1.67	1.71	47602022 0.26 0.52 0.75	1.2 1.78 2.37 2.57 2.66 2.71 2.7 2.97 2.81
47502022 0.19	0.19	0.47	0.48	0.74	0.75	1.18	1.20	1.67	1.71	47502022 0.21 0.52 0.74	1.17 2.37 2.58 2.66 2.73 2.73 2.96 2.82
47402022 0.21	0.21	0.50	0.51	0.78	0.79	1.22	1.24	1.67	1.71	47402022 0.21 0.52 0.74	1.23 1.85 2.35 2.57 2.66 2.71 2.7 2.97 2.84
47302022 0.20	0.20	0.47	0.48	0.69	0.70	1.16	1.18	1.72	1.77	47302022 0.2 0.49 0.71	1.19 2.33 2.57 2.76 2.76 2.76 2.94 2.87
47202022 0.21	0.21	0.48	0.49	0.68	0.69	1.15	1.16	1.69	1.73	47202022 0.21 0.52 0.68	1.18 2.37 2.57 2.76 2.76 2.76 2.94 2.87
46902022 0.19	0.19	0.39	0.40	0.67	0.68	1.13	1.15	1.71	1.76	46902022 0.19 0.47 0.67	1.15 2.16 2.57 2.67 2.68 2.68 2.81 2.83
46802022 0.17	0.17	0.38	0.39	0.65	0.66	1.11	1.13	1.69	1.73	46802022 0.19 0.54 0.65	1.13 2.17 2.61 2.69 2.66 2.66 2.84 2.84 2.87
46702022 0.17	0.17	0.37	0.38	0.64	0.65	1.12	1.14	1.69	1.76	46702022 0.19 0.54 0.66	1.12 2.16 2.61 2.69 2.66 2.66 2.84 2.84 2.87
46602022 0.15	0.15	0.36	0.37	0.52	0.53	1.05	1.07	1.65	1.69	46602022 0.15 0.57 0.53	1.07 1.72 2.44 2.61 2.65 2.65 2.79 2.84 2.84
31002022 0.17	0.17	0.37	0.38	0.51	0.52	1.04	1.06	1.65	1.69	31002022 0.17 0.38 0.51	1.06 1.72 2.38 2.42 2.42 2.42 2.83 2.84 2.84
30902022 0.13	0.13	0.29	0.29	0.55	0.56	1.01	1.03	1.58	1.62	30902022 0.13 0.38 0.51	1.04 1.64 2.31 2.49 2.44 2.44 2.83 2.83 2.84
30802022 0.17	0.17	0.31	0.31	0.56	0.57	1.03	1.05	1.62	1.66	30802022 0.17 0.34 0.55	1.06 1.87 2.35 2.54 2.44 2.44 2.81 2.88 2.83
30702022 0.18	0.18	0.30	0.30	0.51	0.51	1.08	1.10	1.63	1.69	30702022 0.18 0.33 0.59	1.08 2.03 2.59 2.64 2.64 2.64 2.87 2.87 2.87
30602022 0.17	0.17	0.31	0.31	0.53	0.54	1.08	1.10	1.62	1.66	30602022 0.17 0.32 0.55	1.01 1.67 2.31 2.51 2.58 2.58 2.44 2.74 2.8
30502022 0.18	0.18	0.31	0.31	0.50	0.51	1.03	1.05	1.61	1.66	30502022 0.18 0.33 0.62	0.96 1.93 2.33 2.57 2.57 2.57 2.84 2.83 2.81
30402022 0.14	0.14	0.23	0.23	0.51	0.52	1.03	1.05	1.61	1.66	30402022 0.14 0.27 0.51	0.95 1.92 2.33 2.57 2.57 2.57 2.84 2.83 2.81
30302022 0.20	0.20	0.27	0.27	0.51	0.52	1.04	1.06	1.66	1.68	30302022 0.2 0.51 0.51	0.96 1.99 2.38 2.58 2.42 2.42 2.84 2.81 2.8
30202022 0.21	0.21	0.31	0.31	0.56	0.56	1.05	1.07	1.67	1.71	30202022 0.21 0.31 0.54	1.05 2.14 2.34 2.53 2.53 2.53 2.87 2.84 2.84
31802022 0.19	0.19	0.28</									



Last Import Date: 9/13/2024

T-Bill Rates

Date	4 WEEKS BANK DISCOUNT	4 WEEKS COUPON EQUIVALENT	8 WEEKS BANK DISCOUNT	8 WEEKS COUPON EQUIVALENT	13 WEEKS BANK DISCOUNT	13 WEEKS COUPON EQUIVALENT	17 WEEKS BANK DISCOUNT	17 WEEKS COUPON EQUIVALENT	26 WEEKS BANK DISCOUNT	26 WEEKS COUPON EQUIVALENT	52 WEEKS BANK DISCOUNT	52 WEEKS COUPON EQUIVALENT
11/24/2023	5.31	5.42	5.29	5.42	5.28	5.44	5.28	5.46	5.25	5.48	5.01	5.28
11/22/2023	5.31	5.42	5.29	5.42	5.27	5.43	5.27	5.45	5.22	5.45	5.01	5.28
11/21/2023	5.28	5.39	5.27	5.4	5.26	5.42	5.25	5.43	5.22	5.45	4.98	5.25
11/20/2023	5.29	5.4	5.28	5.41	5.27	5.43	5.26	5.44	5.22	5.45	4.99	5.26
11/17/2023	5.29	5.4	5.28	5.41	5.25	5.41	5.22	5.4	5.19	5.42	4.98	5.25
11/16/2023	5.29	5.4	5.28	5.41	5.25	5.41	5.25	5.43	5.19	5.42	4.97	5.24
11/15/2023	5.28	5.39	5.28	5.41	5.26	5.42	5.26	5.44	5.21	5.44	5.01	5.29
11/14/2023	5.28	5.39	5.28	5.41	5.26	5.42	5.25	5.43	5.21	5.44	4.97	5.24
11/13/2023	5.29	5.4	5.29	5.42	5.28	5.44	5.29	5.47	5.27	5.5	5.09	5.38
11/10/2023	5.29	5.4	5.28	5.41	5.26	5.42	5.26	5.44	5.26	5.49	5.1	5.39
11/9/2023	5.29	5.4	5.29	5.42	5.27	5.43	5.29	5.47	5.26	5.49	5.1	5.39
11/8/2023	5.28	5.39	5.28	5.41	5.28	5.44	5.28	5.46	5.26	5.49	5.06	5.35
11/7/2023	5.29	5.4	5.29	5.42	5.28	5.44	5.28	5.46	5.26	5.49	5.05	5.34
11/6/2023	5.29	5.4	5.29	5.42	5.29	5.45	5.29	5.47	5.27	5.5	5.05	5.34
11/3/2023	5.29	5.4	5.29	5.42	5.27	5.43	5.29	5.47	5.25	5.48	5.01	5.29
11/2/2023	5.29	5.4	5.3	5.43	5.28	5.44	5.32	5.51	5.29	5.53	5.09	5.38
11/1/2023	5.29	5.4	5.31	5.44	5.31	5.47	5.33	5.52	5.3	5.54	5.08	5.37
10/31/2023	5.29	5.4	5.33	5.46	5.33	5.49	5.34	5.53	5.33	5.57	5.14	5.44
10/30/2023	5.29	5.4	5.33	5.46	5.33	5.49	5.34	5.53	5.32	5.56	5.15	5.43
10/27/2023	5.3	5.41	5.33	5.46	5.32	5.48	5.33	5.52	5.32	5.55	5.13	5.41
10/26/2023	5.3	5.41	5.33	5.46	5.32	5.48	5.33	5.52	5.31	5.55	5.13	5.41
10/25/2023	5.29	5.4	5.33	5.46	5.32	5.48	5.34	5.53	5.33	5.57	5.17	5.46
10/24/2023	5.3	5.41	5.33	5.46	5.31	5.47	5.33	5.52	5.33	5.57	5.16	5.45
10/23/2023	5.31	5.42	5.33	5.46	5.32	5.48	5.32	5.51	5.32	5.56	5.14	5.43
10/20/2023	5.29	5.4	5.32	5.45	5.31	5.47	5.34	5.53	5.31	5.54	5.13	5.42
10/19/2023	5.31	5.42	5.33	5.46	5.33	5.49	5.35	5.54	5.32	5.56	5.16	5.45
10/18/2023	5.3	5.41	5.31	5.44	5.34	5.5	5.35	5.54	5.34	5.58	5.18	5.47
10/17/2023	5.31	5.42	5.33	5.46	5.35	5.51	5.37	5.56	5.36	5.6	5.19	5.49
10/16/2023	5.31	5.42	5.34	5.47	5.34	5.5	5.36	5.55	5.34	5.58	5.14	5.43
10/13/2023	5.33	5.44	5.34	5.47	5.35	5.51	5.35	5.54	5.34	5.58	5.13	5.42
10/12/2023	5.34	5.45	5.35	5.48	5.35	5.51	5.36	5.55	5.35	5.59	5.15	5.44
10/11/2023	5.31	5.42	5.34	5.47	5.34	5.5	5.36	5.55	5.32	5.56	5.1	5.39
10/10/2023	5.33	5.44	5.36	5.49	5.34	5.5	5.36	5.55	5.33	5.57	5.09	5.38
10/6/2023	5.32	5.43	5.36	5.5	5.36	5.52	5.37	5.56	5.35	5.59	5.13	5.42
10/5/2023	5.3	5.41	5.35	5.48	5.34	5.5	5.35	5.54	5.32	5.56	5.1	5.39
10/4/2023	5.29	5.4	5.31	5.44	5.34	5.5	5.35	5.54	5.33	5.57	5.13	5.43
10/3/2023	5.28	5.39	5.33	5.46	5.35	5.51	5.35	5.54	5.34	5.58	5.18	5.48
10/2/2023	5.29	5.4	5.33	5.46	5.35	5.51	5.35	5.54	5.34	5.58	5.22	5.51
9/29/2023	5.29	5.4	5.33	5.46	5.32	5.48	5.34	5.53	5.32	5.55	5.19	5.48
9/28/2023	5.29	5.4	5.34	5.47	5.32	5.48	5.34	5.53	5.32	5.56	5.19	5.48
9/27/2023	5.3	5.41	5.32	5.45	5.34	5.5	5.35	5.54	5.33	5.57	5.21	5.5
9/26/2023	5.3	5.41	5.31	5.44	5.34	5.5	5.34	5.53	5.32	5.56	5.18	5.47
9/25/2023	5.3	5.41	5.31	5.44	5.35	5.51	5.34	5.53	5.31	5.55	5.17	5.46
9/22/2023	5.29	5.4	5.31	5.44	5.32	5.48	5.34	5.53	5.32	5.55	5.17	5.46
9/21/2023	5.29	5.4	5.31	5.44	5.33	5.49	5.34	5.53	5.31	5.55	5.17	5.46
9/20/2023	5.29	5.4	5.3	5.43	5.33	5.49	5.34	5.53	5.3	5.54	5.18	5.47
9/19/2023	5.29	5.4	5.3	5.43	5.31	5.47	5.33	5.52	5.3	5.54	5.16	5.45
9/18/2023	5.29	5.4	5.29	5.42	5.31	5.47	5.33	5.52	5.3	5.54	5.15	5.44
9/15/2023	5.28	5.39	5.29	5.42	5.32	5.48	5.33	5.52	5.29	5.52	5.14	5.43
9/14/2023	5.28	5.39	5.3	5.43	5.31	5.47	5.32	5.51	5.29	5.53	5.13	5.42
9/13/2023	5.28	5.39	5.3	5.43	5.31	5.47	5.33	5.52	5.31	5.55	5.13	5.42
9/12/2023	5.28	5.39	5.29	5.42	5.32	5.48	5.31	5.49	5.32	5.56	5.13	5.42
9/11/2023	5.28	5.39	5.3	5.43	5.32	5.48	5.32	5.51	5.3	5.54	5.11	5.4
9/8/2023	5.28	5.39	5.29	5.42	5.31	5.47	5.33	5.52	5.29	5.52	5.13	5.43
9/7/2023	5.28	5.39	5.29	5.42	5.3	5.46	5.32	5.51	5.29	5.53	5.11	5.4
9/6/2023	5.28	5.39	5.29	5.42	5.31	5.47	5.33	5.52	5.31	5.55	5.14	5.44
9/5/2023	5.27	5.38	5.29	5.42	5.32	5.48	5.32	5.5	5.31	5.55	5.13	5.43
9/1/2023	5.28	5.39	5.29	5.42	5.3	5.46	5.32	5.51	5.27	5.5	5.1	5.38
8/31/2023	5.28	5.39	5.28	5.41	5.32	5.48	5.34	5.53	5.28	5.51	5.11	5.39
8/30/2023	5.29	5.4	5.29	5.42	5.32	5.48	5.33	5.52	5.3	5.54	5.13	5.42
8/29/2023	5.27	5.38	5.29	5.42	5.33	5.49	5.33	5.52	5.31	5.55	5.11	5.39
8/28/2023	5.29	5.4	5.29	5.42	5.34	5.5	5.36	5.55	5.35	5.59	5.17	5.46
8/25/2023	5.29	5.4	5.29	5.42	5.34	5.5	5.35	5.54	5.34	5.58	5.16	5.45
8/24/2023	5.28	5.39	5.29	5.42	5.31	5.47	5.34	5.53	5.33	5.57	5.12	5.41
8/23/2023	5.28	5.39	5.28	5.41	5.3	5.46	5.32	5.51	5.28	5.52	5.08	5.36
8/22/2023	5.27	5.38	5.29	5.42	5.3	5.46	5.31	5.49	5.3	5.54	5.11	5.4
8/21/2023	5.28	5.39	5.29	5.42	5.3	5.46	5.31	5.49	5.31	5.55	5.09	5.38
8/18/2023	5.27	5.38	5.28	5.41	5.28	5.44	5.3	5.48	5.26	5.49	5.07	5.36
8/17/2023	5.28	5.39	5.28	5.41	5.29	5.45	5.31	5.49	5.27	5.5	5.08	5.37
8/16/2023	5.26	5.37	5.28	5.41	5.29	5.45	5.3	5.48	5.28	5.52	5.09	5.38
8/15/2023	5.27	5.38	5.28	5.41	5.29	5.45	5.28	5.46	5.28	5.52	5.08	5.37
8/14/2023	5.28	5.39	5.29	5.42	5.29	5.45	5.3	5.48	5.29	5.53	5.08	5.37
8/11/2023	5.28	5.39	5.28	5.41	5.28	5.44	5.3	5.48	5.26	5.49	5.07	5.36
8/10/2023	5.28	5.39	5.28	5.41	5.28	5.44	5.3	5.48	5.26	5.49	5.05	5.34
8/9/2023	5.25	5.36	5.28	5.41	5.28	5.44	5.11	5.28	5.27	5.5	5.06	5.35
8/8/2023	5.28	5.39	5.29	5.42	5.3	5.46	5.29	5.47	5.27	5.5	5.06	5.35
8/7/2023	5.27	5.38	5.28	5.41	5.29	5.45	5.29	5.47	5.27	5.5	5.06	5.34
8/4/2023	5.27	5.38	5.28	5.41	5.28	5.44	5.29	5.47	5.24	5.47	5.08	5.36
8/3/2023	5.28	5.39	5.28	5.41	5.27	5.43	5.3	5.48	5.26	5.49	5.11	5.39

8/2/2023	5.27	5.38	5.26	5.39	5.27	5.43	5.3	5.48	5.26	5.49	5.1	5.38
8/1/2023	5.28	5.39	5.27	5.4	5.27	5.43	5.3	5.48	5.27	5.5	5.11	5.39
7/31/2023	5.27	5.38	5.27	5.4	5.28	5.44	5.3	5.48	5.27	5.5	5.11	5.39
7/28/2023	5.26	5.37	5.27	5.4	5.28	5.44	5.3	5.48	5.28	5.51	5.1	5.38
7/27/2023	5.27	5.38	5.28	5.41	5.28	5.44	5.31	5.49	5.29	5.53	5.13	5.42
7/26/2023	5.27	5.38	5.27	5.4	5.28	5.44	5.31	5.49	5.28	5.52	5.1	5.39
7/25/2023	5.28	5.39	5.27	5.4	5.28	5.44	5.28	5.46	5.3	5.54	5.11	5.4
7/24/2023	5.26	5.37	5.27	5.4	5.28	5.44	5.28	5.46	5.28	5.52	5.11	5.4
7/21/2023	5.26	5.37	5.27	5.4	5.27	5.43	5.27	5.45	5.27	5.5	5.07	5.36
7/20/2023	5.27	5.38	5.27	5.4	5.26	5.42	5.28	5.46	5.26	5.49	5.07	5.36
7/19/2023	5.17	5.28	5.25	5.38	5.26	5.42	5.27	5.45	5.25	5.48	5.04	5.32
7/18/2023	5.18	5.29	5.24	5.37	5.25	5.41	5.26	5.44	5.25	5.48	5.04	5.33
7/17/2023	5.19	5.3	5.24	5.37	5.26	5.42	5.27	5.45	5.26	5.49	5.05	5.34
7/14/2023	5.2	5.31	5.23	5.36	5.25	5.41	5.26	5.44	5.25	5.48	5.06	5.35
7/13/2023	5.21	5.32	5.24	5.37	5.24	5.4	5.25	5.43	5.23	5.46	4.99	5.27
7/12/2023	5.16	5.27	5.23	5.36	5.24	5.4	5.26	5.44	5.27	5.5	5.06	5.35
7/11/2023	5.16	5.27	5.21	5.34	5.25	5.41	5.26	5.44	5.28	5.52	5.14	5.44
7/10/2023	5.16	5.27	5.2	5.33	5.25	5.41	5.26	5.44	5.28	5.52	5.13	5.41
7/7/2023	5.16	5.27	5.2	5.33	5.22	5.37	5.26	5.44	5.26	5.49	5.15	5.43
7/6/2023	5.15	5.26	5.21	5.34	5.23	5.39	5.26	5.44	5.28	5.51	5.17	5.46
7/5/2023	5.1	5.2	5.16	5.29	5.21	5.37	5.25	5.43	5.25	5.48	5.14	5.43
7/3/2023	5.1	5.2	5.19	5.32	5.21	5.37	5.25	5.43	5.27	5.5	5.16	5.45
6/30/2023	5.08	5.18	5.19	5.32	5.17	5.32	5.24	5.42	5.24	5.47	5.13	5.42
6/29/2023	5.09	5.19	5.2	5.33	5.2	5.36	5.25	5.43	5.27	5.5	5.14	5.43
6/28/2023	5	5.1	5.11	5.24	5.18	5.34	5.23	5.41	5.23	5.46	5.06	5.34
6/27/2023	5	5.1	5.12	5.25	5.19	5.35	5.21	5.39	5.23	5.46	5.06	5.34
6/26/2023	5.01	5.11	5.12	5.25	5.24	5.4	5.21	5.39	5.22	5.45	5.01	5.29
6/23/2023	5.01	5.11	5.13	5.26	5.15	5.3	5.21	5.39	5.19	5.42	4.98	5.26
6/22/2023	5.02	5.12	5.14	5.27	5.15	5.3	5.21	5.39	5.18	5.41	5.01	5.29
6/21/2023	5	5.1	5.07	5.19	5.15	5.3	5.21	5.39	5.18	5.41	4.98	5.26
6/20/2023	5.01	5.11	5.07	5.19	5.14	5.29	5.17	5.35	5.18	5.41	4.97	5.25
6/16/2023	5.02	5.12	5.1	5.23	5.09	5.24	5.15	5.33	5.12	5.34	4.96	5.24
6/15/2023	5.02	5.12	5.09	5.22	5.07	5.22	5.14	5.32	5.11	5.33	4.93	5.21
6/14/2023	5.01	5.11	5.06	5.18	5.1	5.25	5.15	5.33	5.14	5.37	4.99	5.27
6/13/2023	5.03	5.13	5.06	5.18	5.11	5.26	5.15	5.33	5.14	5.37	4.98	5.26
6/12/2023	5.08	5.19	5.13	5.26	5.14	5.29	5.2	5.38	5.15	5.38	4.95	5.22
6/9/2023	5.09	5.2	5.15	5.28	5.11	5.26	5.22	5.4	5.16	5.38	4.94	5.21
6/8/2023	5.09	5.2	5.13	5.26	5.12	5.27	5.19	5.37	5.17	5.4	4.89	5.15
6/7/2023	4.91	5.01	5.06	5.18	5.16	5.32	5.19	5.37	5.2	5.43	4.93	5.2
6/6/2023	4.99	5.09	5.07	5.19	5.18	5.34	5.21	5.39	5.21	5.44	4.96	5.23
6/5/2023	5.09	5.2	5.16	5.29	5.2	5.36	5.23	5.41	5.23	5.46	4.94	5.21
6/2/2023	5.12	5.23	5.21	5.34	5.23	5.39	5.28	5.46	5.27	5.5	4.98	5.25
6/1/2023	5.14	5.25	5.22	5.35	5.24	5.4	5.26	5.44	5.21	5.44	4.87	5.13
5/31/2023	5.08	5.18	5.17	5.3	5.26	5.42	5.3	5.48	5.23	5.46	4.94	5.21
5/30/2023	5.12	5.23	5.11	5.24	5.28	5.44	5.28	5.46	5.29	5.53	4.97	5.24
5/26/2023	5.78	5.9	5.3	5.43	5.16	5.31	5.28	5.46	5.18	5.4	4.98	5.26
5/25/2023	5.71	5.83	5.27	5.4	5.21	5.37	5.29	5.47	5.2	5.43	4.97	5.25
5/24/2023	5.62	5.74	5.06	5.18	5.21	5.37	5.26	5.44	5.17	5.4	4.88	5.15
5/23/2023	5.51	5.63	5.1	5.23	5.18	5.34	5.16	5.34	5.14	5.37	4.82	5.08
5/22/2023	5.5	5.62	5.19	5.32	5.24	5.4	5.23	5.41	5.17	5.4	4.81	5.07
5/19/2023	5.41	5.52	5.11	5.24	5.12	5.27	5.2	5.38	5.11	5.33	4.77	5.03
5/18/2023	5.38	5.49	5.06	5.19	5.14	5.29	5.18	5.36	5.13	5.35	4.76	5.02
5/17/2023	5.39	5.5	4.87	4.99	5.1	5.25	5.11	5.28	5.05	5.27	4.66	4.91
5/16/2023	5.45	5.56	4.8	4.92	5.07	5.22	4.99	5.16	5.02	5.24	4.63	4.88
5/15/2023	5.49	5.61	4.8	4.92	5.06	5.21	5.01	5.18	4.99	5.2	4.56	4.79
5/12/2023	5.57	5.69	4.72	4.83	5.08	5.23	5.03	5.2	4.93	5.14	4.57	4.8
5/11/2023	5.59	5.71	4.68	4.79	5.04	5.19	4.99	5.16	4.9	5.11	4.52	4.75
5/10/2023	5.39	5.5	4.81	4.93	5.08	5.23	4.99	5.16	4.89	5.1	4.52	4.75
5/9/2023	5.4	5.51	4.99	5.11	5.13	5.28	5.03	5.2	4.94	5.15	4.62	4.86
5/8/2023	5.33	5.44	5.01	5.13	5.15	5.3	5.02	5.19	4.9	5.11	4.6	4.84
5/5/2023	5.38	5.49	5.07	5.2	5.1	5.25	5.01	5.18	4.9	5.11	4.54	4.77
5/4/2023	5.54	5.66	5.08	5.21	5.1	5.25	4.99	5.16	4.82	5.02	4.42	4.64
5/3/2023	4.44	4.53	5.15	5.28	5.09	5.24	5	5.17	4.85	5.05	4.5	4.73
5/2/2023	4.33	4.42	5.13	5.26	5.08	5.23	5.01	5.18	4.83	5.03	4.53	4.76
5/1/2023	4.32	4.41	4.95	5.07	5.1	5.25	5.03	5.2	4.91	5.12	4.63	4.87
4/28/2023	4.23	4.31	4.95	5.07	4.95	5.09	5.01	5.18	4.86	5.06	4.57	4.81
4/27/2023	4.16	4.24	4.95	5.07	5.03	5.18	5.03	5.2	4.85	5.05	4.56	4.8
4/26/2023	3.63	3.7	4.82	4.94	5	5.15	4.99	5.16	4.8	5	4.44	4.67
4/25/2023	3.92	4	4.83	4.95	4.97	5.12	4.96	5.13	4.78	4.98	4.39	4.61
4/24/2023	3.4	3.47	4.85	4.97	5.04	5.19	5	5.17	4.85	5.05	4.53	4.77
4/21/2023	3.29	3.35	4.79	4.91	4.98	5.12	5.03	5.2	4.87	5.07	4.54	4.78
4/20/2023	3.32	3.38	4.87	4.99	4.97	5.12	5.02	5.19	4.85	5.05	4.53	4.77
4/19/2023	3.68	3.75	4.79	4.91	5.01	5.16	5.06	5.23	4.89	5.1	4.59	4.84
4/18/2023	3.69	3.76	4.79	4.91	5.04	5.19	5.04	5.21	4.88	5.09	4.57	4.81
4/17/2023	3.95	4.03	4.81	4.93	5.06	5.21	5.08	5.25	4.86	5.07	4.61	4.85
4/14/2023	4.18	4.26	4.79	4.91	4.98	5.12	5.01	5.18	4.83	5.03	4.59	4.82
4/13/2023	3.98	4.06	4.79	4.91	4.95	5.1	4.94	5.11	4.75	4.95	4.48	4.71
4/12/2023	4.04	4.12	4.68	4.79	4.87	5.01	4.95	5.12	4.78	4.98	4.46	4.68
4/11/2023	4.09	4.17	4.68	4.79	4.89	5.03	4.91	5.07	4.79	4.99	4.48	4.71
4/10/2023	4.39	4.48	4.69	4.8	4.94	5.09	4.93	5.1	4.78	4.98	4.46	4.69
4/7/2023	4.43	4.52	4.73	4.84	4.81	4.95	4.92	5.08	4.75	4.95	4.42	4.64
4/6/2023	4.44	4.53	4.69	4.8	4.77	4.91	4.83	4.99	4.74	4.94	4.35	4.57
4/5/2023	4.48	4.57	4.61	4.72	4.72	4.86	4.76	4.92	4.63	4.82	4.25	4.46
4/4/2023	4.52	4.61	4.65	4.76	4.74	4.88	4.76	4.92	4.61	4.8	4.31	4.53

4/3/2023	4.56	4.65	4.64	4.75	4.77	4.91	4.83	4.99	4.69	4.88	4.39	4.61
3/31/2023	4.6	4.69	4.65	4.76	4.68	4.81	4.83	4.99	4.72	4.91	4.43	4.66
3/30/2023	4.6	4.69	4.64	4.75	4.8	4.94	4.8	4.96	4.7	4.89	4.41	4.64
3/29/2023	4.2	4.28	4.29	4.39	4.64	4.77	4.78	4.94	4.7	4.89	4.38	4.6
3/28/2023	4.1	4.18	4.2	4.3	4.64	4.77	4.72	4.87	4.68	4.87	4.34	4.56
3/27/2023	4.07	4.15	4.29	4.39	4.75	4.89	4.76	4.92	4.65	4.84	4.3	4.52
3/24/2023	4.15	4.23	4.35	4.45	4.57	4.7	4.65	4.8	4.56	4.74	4.12	4.32
3/23/2023	4.13	4.21	4.36	4.46	4.57	4.7	4.7	4.85	4.59	4.78	4.18	4.39
3/22/2023	3.98	4.06	4.36	4.46	4.63	4.76	4.77	4.93	4.73	4.93	4.34	4.56
3/21/2023	3.91	3.99	4.31	4.41	4.62	4.75	4.74	4.9	4.74	4.94	4.44	4.67
3/20/2023	4.19	4.27	4.4	4.5	4.65	4.78	4.7	4.85	4.58	4.77	4.2	4.39
3/17/2023	4.18	4.26	4.39	4.49	4.36	4.48	4.66	4.81	4.51	4.69	4.12	4.3
3/16/2023	3.93	4.01	4.49	4.6	4.57	4.7	4.78	4.94	4.72	4.92	4.32	4.52
3/15/2023	4.06	4.14	4.38	4.48	4.59	4.72	4.72	4.87	4.53	4.71	4.04	4.22
3/14/2023	4.27	4.36	4.61	4.72	4.71	4.85	4.8	4.96	4.71	4.91	4.27	4.47
3/13/2023	4.45	4.54	4.66	4.77	4.7	4.84	4.73	4.89	4.59	4.78	4.13	4.32
3/10/2023	4.64	4.73	4.76	4.88	4.83	4.97	4.93	5.1	4.93	5.14	4.68	4.91
3/9/2023	4.66	4.75	4.81	4.93	4.87	5.01	5.04	5.21	5.07	5.29	4.93	5.19
3/8/2023	4.59	4.68	4.71	4.82	4.89	5.03	5.06	5.23	5.09	5.31	4.99	5.25
3/7/2023	4.63	4.72	4.71	4.82	4.87	5.01	4.96	5.13	5.07	5.29	4.96	5.22
3/6/2023	4.59	4.68	4.64	4.75	4.76	4.9	4.87	5.03	4.98	5.19	4.81	5.06
3/3/2023	4.59	4.68	4.65	4.76	4.74	4.87	4.87	5.03	4.94	5.15	4.79	5.03
3/2/2023	4.59	4.68	4.67	4.78	4.74	4.88	4.88	5.04	4.94	5.15	4.8	5.05
3/1/2023	4.52	4.6	4.63	4.73	4.73	4.87	4.89	5.05	4.96	5.17	4.81	5.06
2/28/2023	4.52	4.6	4.64	4.74	4.72	4.86	4.82	4.97	4.93	5.14	4.78	5.03
2/27/2023	4.54	4.62	4.66	4.76	4.74	4.88	4.85	5	4.94	5.15	4.79	5.04
2/24/2023	4.55	4.63	4.67	4.77	4.72	4.84	4.85	5	4.91	5.1	4.8	5.05
2/23/2023	4.53	4.61	4.67	4.77	4.71	4.83	4.84	4.99	4.9	5.09	4.78	5.03
2/22/2023	4.49	4.57	4.64	4.74	4.71	4.83	4.84	4.99	4.93	5.13	4.82	5.07
2/21/2023	4.5	4.58	4.66	4.76	4.72	4.84	4.8	4.94	4.92	5.12	4.82	5.07
2/17/2023	4.51	4.59	4.65	4.75	4.7	4.82	4.78	4.92	4.84	5.03	4.78	5.02
2/16/2023	4.53	4.61	4.65	4.75	4.7	4.82	4.79	4.93	4.83	5.02	4.77	5.01
2/15/2023	4.51	4.59	4.62	4.72	4.66	4.78	4.79	4.93	4.82	5.01	4.74	4.98
2/14/2023	4.5	4.58	4.62	4.72	4.67	4.79	4.74	4.88	4.83	5.02	4.76	5
2/13/2023	4.53	4.61	4.62	4.72	4.68	4.8	4.73	4.87	4.84	5.03	4.69	4.92
2/10/2023	4.53	4.61	4.61	4.71	4.66	4.78	4.73	4.87	4.75	4.93	4.66	4.89
2/9/2023	4.53	4.61	4.61	4.71	4.64	4.76	4.71	4.85	4.76	4.94	4.66	4.89
2/8/2023	4.51	4.59	4.53	4.62	4.59	4.71	4.7	4.84	4.74	4.92	4.64	4.87
2/7/2023	4.49	4.57	4.52	4.61	4.59	4.71	4.64	4.78	4.75	4.93	4.66	4.89
2/6/2023	4.49	4.57	4.51	4.6	4.59	4.71	4.64	4.78	4.75	4.93	4.63	4.86
2/3/2023	4.48	4.56	4.51	4.6	4.57	4.69	4.64	4.78	4.68	4.86	4.57	4.8
2/2/2023	4.49	4.57	4.5	4.59	4.53	4.65	4.59	4.73	4.62	4.8	4.43	4.64
2/1/2023	4.46	4.54	4.5	4.59	4.54	4.66	4.62	4.76	4.65	4.83	4.45	4.67
1/31/2023	4.45	4.53	4.51	4.6	4.58	4.7	4.6	4.74	4.67	4.85	4.47	4.69
1/30/2023	4.47	4.55	4.51	4.6	4.59	4.71	4.62	4.76	4.68	4.86	4.49	4.71
1/27/2023	4.48	4.56	4.51	4.6	4.57	4.69	4.62	4.76	4.67	4.85	4.46	4.68
1/26/2023	4.49	4.57	4.53	4.63	4.55	4.67	4.63	4.77	4.66	4.84	4.46	4.68
1/25/2023	4.47	4.55	4.52	4.61	4.56	4.68	4.62	4.76	4.65	4.83	4.45	4.67
1/24/2023	4.49	4.57	4.54	4.64	4.57	4.69	4.62	4.76	4.7	4.88	4.47	4.69
1/23/2023	4.49	4.57	4.52	4.62	4.58	4.7	4.62	4.76	4.68	4.86	4.51	4.82
1/20/2023	4.48	4.56	4.51	4.6	4.57	4.69	4.61	4.75	4.66	4.84	4.49	4.7
1/19/2023	4.49	4.57	4.53	4.63	4.55	4.67	4.61	4.75	4.65	4.83	4.47	4.68
1/18/2023	4.39	4.47	4.49	4.58	4.54	4.66	4.61	4.75	4.65	4.83	4.45	4.66
1/17/2023	4.4	4.48	4.5	4.59	4.56	4.68	4.61	4.75	4.68	4.86	4.47	4.68
1/13/2023	4.38	4.46	4.46	4.55	4.51	4.62	4.6	4.74	4.64	4.81	4.48	4.69
1/12/2023	4.37	4.45	4.47	4.56	4.5	4.61	4.61	4.75	4.62	4.8	4.46	4.67
1/11/2023	4.2	4.27	4.48	4.57	4.57	4.69	4.69	4.83	4.7	4.88	4.53	4.75
1/10/2023	4.2	4.27	4.47	4.56	4.57	4.69	4.64	4.78	4.71	4.89	4.53	4.75
1/9/2023	4.17	4.24	4.44	4.53	4.55	4.67	4.6	4.74	4.69	4.87	4.48	4.7
1/6/2023	4.14	4.21	4.43	4.52	4.51	4.62	4.61	4.75	4.65	4.83	4.5	4.72
1/5/2023	4.12	4.19	4.44	4.53	4.51	4.62	4.62	4.76	4.68	4.86	4.56	4.79
1/4/2023	4	4.07	4.28	4.37	4.41	4.52	4.58	4.71	4.64	4.82	4.49	4.71
1/3/2023	3.96	4.03	4.29	4.38	4.4	4.51	4.57	4.7	4.63	4.81	4.5	4.72
12/30/2022	3.95	4.02	4.30	4.39	4.30	4.40	4.57	4.70	4.60	4.77	4.51	4.73
12/29/2022	3.88	3.95	4.28	4.37	4.34	4.45	4.54	4.67	4.57	4.74	4.48	4.70
12/28/2022	3.57	3.63	4.08	4.16	4.35	4.46	4.55	4.68	4.59	4.76	4.49	4.71
12/27/2022	3.62	3.68	4.09	4.17	4.35	4.46	4.49	4.62	4.60	4.77	4.52	4.75
12/23/2022	3.65	3.71	4.01	4.09	4.23	4.33	4.45	4.58	4.52	4.69	4.46	4.67
12/22/2022	3.65	3.71	4.02	4.10	4.24	4.34	4.43	4.56	4.51	4.68	4.45	4.66
12/21/2022	3.66	3.72	4.01	4.09	4.22	4.32	4.44	4.57	4.51	4.68	4.41	4.62
12/20/2022	3.69	3.75	4.02	4.10	4.25	4.36	4.40	4.53	4.55	4.72	4.44	4.65
12/19/2022	3.77	3.83	4.03	4.11	4.28	4.39	4.41	4.54	4.55	4.72	4.44	4.65
12/18/2022	3.78	3.84	4.03	4.11	4.20	4.30	4.40	4.53	4.52	4.69	4.41	4.62
12/15/2022	3.79	3.85	4.06	4.14	4.22	4.32	4.42	4.55	4.54	4.71	4.44	4.65
12/14/2022	3.73	3.79	3.93	4.01	4.23	4.34	4.45	4.58	4.52	4.69	4.44	4.65
12/13/2022	3.71	3.77	3.95	4.03	4.26	4.37	4.42	4.55	4.54	4.71	4.44	4.65
12/12/2022	3.68	3.74	3.97	4.05	4.29	4.40	4.44	4.57	4.62	4.80	4.54	4.76
12/9/2022	3.66	3.72	3.95	4.03	4.19	4.29	4.40	4.53	4.56	4.73	4.50	4.72
12/8/2022	3.61	3.67	3.94	4.02	4.17	4.27	4.39	4.52	4.55	4.72	4.49	4.71
12/7/2022	3.60	3.66	3.88	3.96	4.20	4.30	4.40	4.53	4.56	4.73	4.46	4.68
12/6/2022	3.68	3.74	3.98	4.06	4.27	4.38	4.39	4.52	4.58	4.75	4.51	4.73
12/5/2022	3.75	3.81	4.04	4.12	4.27	4.38	4.41	4.54	4.58	4.75	4.54	4.77
12/2/2022	3.75	3.81	4.06	4.14	4.22	4.32	4.38	4.51	4.50	4.67	4.47	4.69
12/1/2022	3.87	3.94	4.06	4.14	4.22	4.32	4.38	4.51	4.49	4.66	4.44	4.66

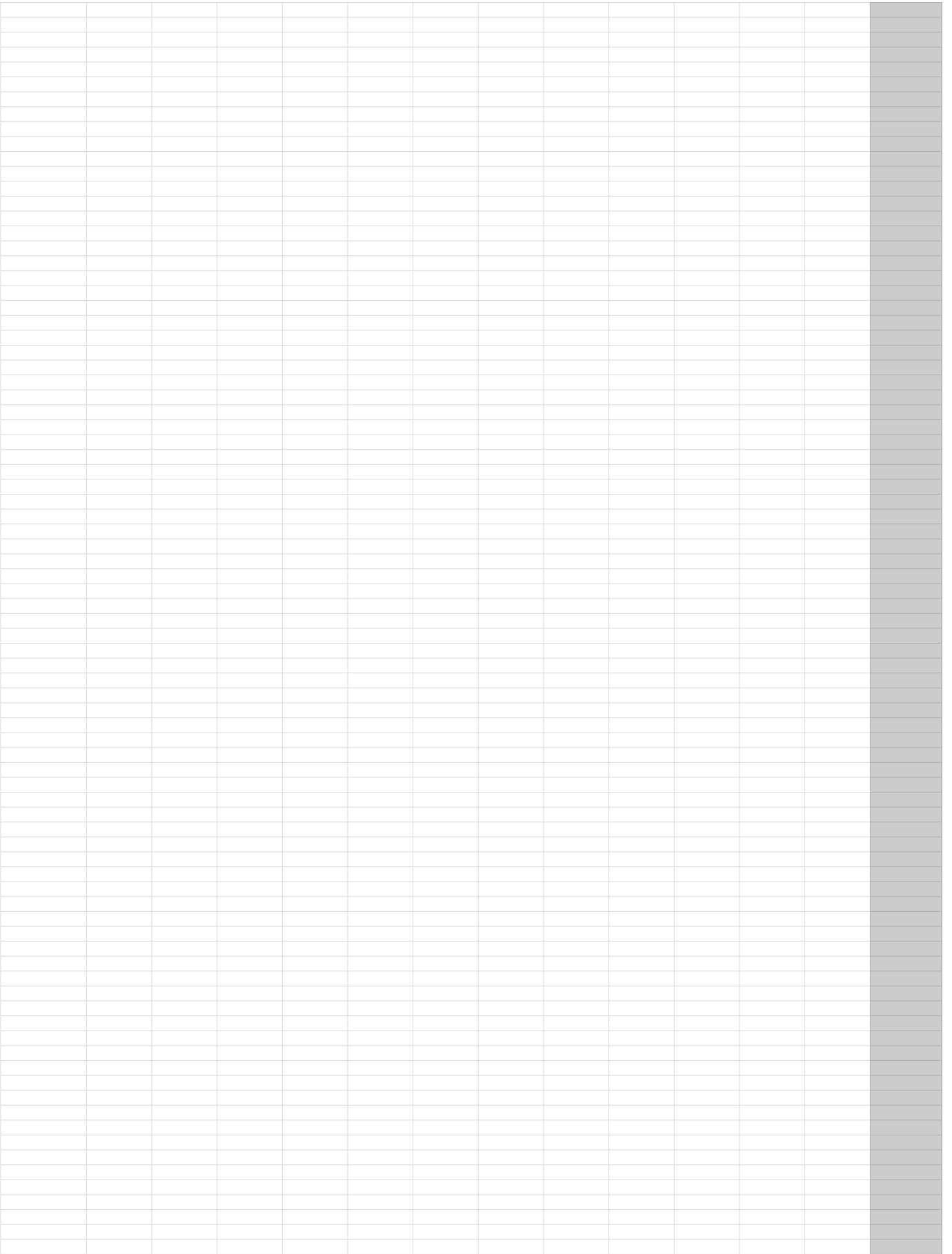
11/30/2022	3.91	3.98	4.05	4.13	4.27	4.38	4.42	4.55	4.54	4.71	4.52	4.75
11/29/2022	3.92	3.99	4.07	4.15	4.27	4.38	4.38	4.51	4.56	4.73	4.56	4.79
11/28/2022	3.96	4.03	4.09	4.17	4.30	4.41	4.40	4.53	4.57	4.74	4.55	4.77
11/25/2022	4.01	4.08	4.15	4.23	4.22	4.32	4.41	4.54	4.54	4.71	4.55	4.77
11/23/2022	3.97	4.04	4.11	4.19	4.21	4.31	4.39	4.52	4.55	4.72	4.54	4.76
11/22/2022	3.81	3.87	4.06	4.14	4.21	4.31	4.36	4.48	4.55	4.72	4.57	4.79
11/21/2022	3.82	3.88	4.04	4.12	4.23	4.33	4.35	4.47	4.53	4.70	4.54	4.76
11/18/2022	3.79	3.85	4.05	4.13	4.15	4.25	4.35	4.47	4.48	4.65	4.53	4.75
11/17/2022	3.80	3.86	4.03	4.11	4.13	4.23	4.33	4.45	4.44	4.60	4.47	4.69
11/16/2022	3.64	3.70	3.93	4.01	4.14	4.24	4.32	4.44	4.42	4.58	4.41	4.62
11/15/2022	3.62	3.68	3.88	3.96	4.14	4.24	4.28	4.40	4.41	4.57	4.40	4.61
11/14/2022	3.58	3.64	3.84	3.92	4.16	4.26	4.26	4.38	4.43	4.59	4.42	4.63
11/10/2022	3.58	3.64	3.84	3.92	4.09	4.19	4.26	4.38	4.40	4.56	4.38	4.59
11/9/2022	3.48	3.54	3.83	3.91	4.11	4.21	4.30	4.42	4.47	4.64	4.53	4.75
11/8/2022	3.51	3.57	3.82	3.90	4.10	4.20	4.27	4.39	4.48	4.65	4.55	4.78
11/7/2022	3.64	3.70	3.83	3.91	4.12	4.22	4.27	4.39	4.50	4.67	4.57	4.80
11/4/2022	3.60	3.66	3.83	3.91	4.02	4.12	4.26	4.38	4.43	4.59	4.54	4.77
11/3/2022	3.63	3.69	3.87	3.95	4.06	4.16	4.27	4.39	4.44	4.60	4.56	4.79
11/2/2022	3.53	3.59	3.82	3.90	4.04	4.14	4.28	4.40	4.45	4.62	4.53	4.76
11/1/2022	3.56	3.62	3.81	3.89	4.06	4.16	4.23	4.35	4.46	4.63	4.52	4.75
10/31/2022	3.57	3.63	3.82	3.90	4.06	4.16	4.21	4.33	4.45	4.62	4.46	4.67
10/28/2022	3.60	3.66	3.81	3.89	3.99	4.08	4.19	4.31	4.37	4.53	4.36	4.56
10/27/2022	3.61	3.67	3.81	3.89	3.95	4.04	4.17	4.29	4.30	4.46	4.31	4.51
10/26/2022	3.36	3.41	3.66	3.73	3.94	4.03	4.18	4.30	4.32	4.48	4.34	4.54
10/25/2022	3.40	3.46	3.62	3.69	3.97	4.07	4.12	4.23	4.36	4.52	4.40	4.61
10/24/2022	3.42	3.48	3.65	3.72	4.00	4.10	4.14	4.26	4.38	4.54	4.40	4.61
10/21/2022	3.42	3.48	3.64	3.71	3.90	3.99	4.13	4.25	4.29	4.44	4.38	4.59
10/20/2022	3.44	3.50	3.70	3.77	3.91	4.00	4.15	4.27	4.34	4.50	4.44	4.65
10/19/2022	3.13	3.18	3.52	3.59	3.91	4.00	4.15	4.27	4.31	4.47	4.39	4.60
10/18/2022	3.08	3.13	3.50	3.57	3.89	3.98			4.25	4.40	4.30	4.50
10/17/2022	3.16	3.21	3.49	3.56	3.82	3.91			4.25	4.40	4.29	4.49
10/14/2022	3.18	3.23	3.48	3.55	3.65	3.73			4.17	4.32	4.29	4.49
10/13/2022	3.23	3.28	3.48	3.55	3.64	3.72			4.16	4.31	4.26	4.46
10/12/2022	2.91	2.96	3.28	3.34	3.56	3.64			4.03	4.17	4.10	4.29
10/11/2022	2.92	2.97	3.27	3.33	3.53	3.61			4.05	4.19	4.09	4.28
10/7/2022	2.92	2.97	3.23	3.29	3.31	3.38			3.96	4.09	4.05	4.23
10/6/2022	2.94	2.99	3.23	3.29	3.32	3.39			3.91	4.04	4.01	4.19
10/5/2022	2.74	2.78	3.05	3.11	3.33	3.40			3.88	4.01	3.96	4.14
10/4/2022	2.77	2.81	3.07	3.13	3.32	3.39			3.87	4.00	3.98	4.16
10/3/2022	2.75	2.79	3.10	3.16	3.34	3.42			3.86	3.99	3.84	4.00
9/30/2022	2.70	2.74	3.07	3.13	3.32	3.29			3.82	3.95	3.87	4.03
9/29/2022	2.68	2.72	3.08	3.14	3.26	3.33			3.78	3.91	3.80	3.96
9/28/2022	2.50	2.54	2.96	3.01	3.29	3.36			3.78	3.91	3.81	3.97
9/27/2022	2.60	2.64	2.99	3.05	3.26	3.33			3.83	3.96	3.97	4.14
9/26/2022	2.64	2.68	2.99	3.05	3.30	3.37			3.87	4.00	3.98	4.15
9/23/2022	2.59	2.63	2.95	3.00	3.12	3.19			3.76	3.88	3.97	4.14
9/22/2022	2.65	2.69	2.98	3.04	3.19	3.26			3.78	3.91	3.90	4.07
9/21/2022	2.46	2.50	2.89	2.94	3.21	3.28			3.77	3.90	3.90	4.07
9/20/2022	2.47	2.51	2.88	2.93	3.26	3.33			3.77	3.90	3.87	4.04
9/19/2022	2.53	2.57	2.87	2.92	3.29	3.36			3.78	3.91	3.88	4.05
9/16/2022	2.60	2.64	2.89	2.94	3.10	3.17			3.68	3.80	3.80	3.96
9/15/2022	2.68	2.72	2.92	2.97	3.12	3.19			3.69	3.81	3.83	4.00
9/14/2022	2.43	2.47	2.78	2.83	3.14	3.21			3.68	3.80	3.79	3.95
9/13/2022	2.45	2.49	2.79	2.84	3.19	3.26			3.67	3.79	3.76	3.92
9/12/2022	2.54	2.58	2.79	2.84	3.09	3.16			3.48	3.59	3.55	3.70
9/9/2022	2.50	2.54	2.77	2.82	2.98	3.04			3.44	3.55	3.52	3.67
9/8/2022	2.50	2.54	2.76	2.81	2.97	3.03			3.37	3.48	3.46	3.60
9/7/2022	2.18	2.21	2.63	2.68	2.98	3.04			3.34	3.44	3.46	3.60
9/6/2022	2.34	2.38	2.68	2.73	2.96	3.02			3.33	3.43	3.47	3.61
9/2/2022	2.42	2.46	2.69	2.74	2.85	2.91			3.26	3.36	3.35	3.48
9/1/2022	2.46	2.50	2.70	2.75	2.88	2.94			3.27	3.37	3.38	3.51
8/31/2022	2.29	2.33	2.59	2.64	2.87	2.93			3.25	3.35	3.37	3.50
8/30/2022	2.32	2.36	2.61	2.66	2.88	2.94			3.25	3.35	3.34	3.47
8/29/2022	2.35	2.39	2.64	2.69	2.89	2.95			3.25	3.35	3.30	3.43
8/26/2022	2.31	2.35	2.60	2.65	2.78	2.84			3.14	3.23	3.24	3.36
8/25/2022	2.34	2.38	2.62	2.67	2.78	2.84			3.13	3.22	3.21	3.33
8/24/2022	2.17	2.20	2.50	2.54	2.73	2.79			3.15	3.25	3.23	3.35
8/23/2022	2.17	2.20	2.49	2.53	2.71	2.77			3.10	3.19	3.17	3.29
8/22/2022	2.18	2.21	2.49	2.53	2.74	2.80			3.11	3.20	3.20	3.32
8/19/2022	2.16	2.19	2.52	2.57	2.64	2.69			3.04	3.13	3.14	3.26
8/18/2022	2.16	2.19	2.49	2.53	2.61	2.66			3.01	3.10	3.12	3.24
8/17/2022	2.11	2.14	2.40	2.44	2.59	2.64			3.03	3.12	3.15	3.27
8/16/2022	2.16	2.19	2.41	2.45	2.61	2.66			3.01	3.10	3.14	3.26
8/15/2022	2.18	2.21	2.43	2.47	2.63	2.68			3.02	3.11	3.11	3.23
8/12/2022	2.16	2.19	2.42	2.46	2.53	2.58			3.01	3.10	3.14	3.26
8/11/2022	2.17	2.20	2.44	2.48	2.52	2.57			2.96	3.05	3.13	3.25
8/10/2022	2.15	2.18	2.33	2.37	2.56	2.61			3.01	3.10	3.14	3.26
8/9/2022	2.14	2.17	2.33	2.37	2.58	2.63			3.05	3.14	3.21	3.34
8/8/2022	2.14	2.17	2.33	2.37	2.57	2.62			3.04	3.13	3.18	3.30
8/5/2022	2.14	2.17	2.32	2.36	2.48	2.53			2.98	3.07	3.17	3.29
8/4/2022	2.12	2.15	2.29	2.33	2.41	2.46			2.87	2.95	3.01	3.12
8/3/2022	2.14	2.17	2.17	2.21	2.44	2.49			2.89	2.97	3.02	3.13
8/2/2022	2.15	2.18	2.22	2.26	2.48	2.53			2.89	2.97	2.98	3.09
8/1/2022	2.15	2.18	2.22	2.26	2.48	2.53			2.86	2.94	2.88	2.98

7/29/2022	2.16	2.19	2.20	2.24	2.34	2.39			2.81	2.89	2.88	2.98
7/28/2022	2.15	2.18	2.22	2.26	2.35	2.40			2.79	2.87	2.83	2.93
7/27/2022	2.09	2.12	2.19	2.23	2.37	2.42			2.83	2.91	2.90	3.00
7/26/2022	2.12	2.15	2.24	2.28	2.48	2.53			2.90	2.98	2.96	3.07
7/25/2022	2.10	2.13	2.19	2.23	2.55	2.60			2.95	3.04	2.97	3.08
7/22/2022	2.12	2.15	2.20	2.24	2.41	2.46			2.86	2.94	2.91	3.02
7/21/2022	2.12	2.15	2.22	2.26	2.40	2.45			2.88	2.96	3.00	3.11
7/20/2022	1.84	1.87	2.16	2.20	2.44	2.49			2.93	3.02	3.07	3.19
7/19/2022	1.87	1.90	2.17	2.21	2.46	2.51			2.95	3.04	3.07	3.19
7/18/2022	1.91	1.94	2.17	2.21	2.44	2.49			2.91	2.99	3.02	3.13
7/15/2022	1.95	1.98	2.18	2.22	2.29	2.33			2.83	2.91	3.01	3.12
7/14/2022	1.96	1.99	2.24	2.28	2.33	2.38			2.82	2.90	3.05	3.17
7/13/2022	1.68	1.71	2.07	2.11	2.33	2.38			2.85	2.93	3.09	3.21
7/12/2022	1.57	1.59	1.90	1.93	2.16	2.20			2.69	2.76	2.97	3.08
7/11/2022	1.53	1.55	1.85	1.88	2.13	2.17			2.70	2.78	2.85	2.95
7/8/2022	1.55	1.57	1.86	1.89	1.91	1.95			2.58	2.65	2.84	2.94
7/7/2022	1.53	1.55	1.84	1.87	1.89	1.93			2.54	2.61	2.76	2.85
7/6/2022	1.29	1.31	1.61	1.64	1.85	1.88			2.53	2.60	2.71	2.80
7/5/2022	1.27	1.29	1.63	1.66	1.86	1.89			2.50	2.57	2.68	2.77
7/1/2022	1.26	1.28	1.64	1.67	1.66	1.69			2.44	2.50	2.69	2.78
6/30/2022	1.26	1.28	1.64	1.67	1.66	1.69			2.44	2.50	2.70	2.79
6/29/2022	1.06	1.08	1.46	1.48	1.73	1.76			2.48	2.55	2.77	2.87
6/28/2022	1.07	1.09	1.52	1.54	1.75	1.78			2.48	2.55	2.77	2.87
6/27/2022	1.13	1.15	1.52	1.54	1.75	1.78			2.49	2.56	2.78	2.88
6/24/2022	1.18	1.20	1.57	1.60	1.66	1.69			2.43	2.49	2.73	2.82
6/23/2022	1.11	1.13	1.52	1.54	1.59	1.62			2.37	2.43	2.68	2.77
6/22/2022	0.92	0.93	1.36	1.38	1.57	1.60			2.34	2.40	2.70	2.79
6/21/2022	1.04	1.06	1.42	1.44	1.66	1.69			2.39	2.45	2.82	2.92
6/17/2022	1.13	1.15	1.47	1.49	1.58	1.61			2.17	2.22	2.77	2.87
6/16/2022	1.18	1.20	1.46	1.48	1.54	1.57			2.17	2.22	2.78	2.88
6/15/2022	1.16	1.18	1.49	1.51	1.69	1.72			2.25	2.31	2.83	2.93
6/14/2022	1.15	1.17	1.48	1.50	1.78	1.81			2.37	2.43	3.05	3.17
6/13/2022	1.11	1.13	1.40	1.42	1.69	1.72			2.20	2.26	2.73	2.82
6/10/2022	1.09	1.11	1.24	1.26	1.34	1.36			1.92	1.97	2.45	2.53
6/9/2022	1.04	1.06	1.16	1.18	1.26	1.28			1.76	1.80	2.23	2.30
6/8/2022	0.86	0.87	1.05	1.07	1.25	1.27			1.73	1.77	2.18	2.25
6/7/2022	0.85	0.86	1.03	1.05	1.24	1.26			1.71	1.75	2.15	2.21
6/6/2022	0.87	0.88	1.04	1.06	1.23	1.25			1.70	1.74	2.14	2.20
6/3/2022	0.86	0.87	1.03	1.05	1.17	1.19			1.63	1.67	2.10	2.16
6/2/2022	0.84	0.85	1.04	1.06	1.13	1.15			1.60	1.64	2.07	2.13
6/1/2022	0.75	0.76	0.85	0.86	1.12	1.14			1.59	1.63	2.08	2.14
5/31/2022	0.71	0.72	0.84	0.85	1.13	1.15			1.60	1.64	2.00	2.06
5/27/2022	0.68	0.69	0.90	0.91	1.06	1.08			1.49	1.52	1.94	2.00
5/26/2022	0.70	0.71	0.89	0.90	1.06	1.08			1.48	1.51	1.93	1.99
5/25/2022	0.52	0.53	0.83	0.84	1.05	1.07			1.48	1.51	1.94	2.00
5/24/2022	0.51	0.52	0.84	0.85	1.05	1.07			1.49	1.52	1.95	2.01
5/23/2022	0.52	0.53	0.87	0.88	1.07	1.09			1.53	1.56	2.02	2.08
5/20/2022	0.62	0.63	0.86	0.87	1.01	1.03			1.46	1.49	2.01	2.07
5/19/2022	0.65	0.66	0.90	0.91	1.04	1.06			1.47	1.50	2.05	2.11
5/18/2022	0.50	0.51	0.80	0.81	1.02	1.04			1.52	1.55	2.10	2.16
5/17/2022	0.58	0.59	0.81	0.82	1.06	1.08			1.52	1.55	2.02	2.08
5/16/2022	0.62	0.63	0.81	0.82	1.07	1.09			1.50	1.53	1.96	2.02
5/13/2022	0.66	0.67	0.78	0.79	1.01	1.03			1.42	1.45	1.92	1.97
5/12/2022	0.60	0.61	0.77	0.78	0.95	0.97			1.39	1.42	1.85	1.90
5/11/2022	0.56	0.57	0.74	0.75	0.90	0.91			1.39	1.42	1.88	1.93
5/10/2022	0.55	0.56	0.72	0.73	0.89	0.90			1.40	1.43	1.90	1.95
5/9/2022	0.49	0.50	0.70	0.71	0.92	0.93			1.39	1.42	1.89	1.94
5/6/2022	0.48	0.49	0.71	0.72	0.84	0.85			1.36	1.39	1.98	2.04
5/5/2022	0.49	0.50	0.70	0.71	0.84	0.85			1.33	1.36	1.98	2.04
5/4/2022	0.45	0.46	0.70	0.71	0.88	0.89			1.39	1.42	1.98	2.04
5/3/2022	0.44	0.45	0.73	0.74	0.90	0.91			1.41	1.44	2.07	2.13
5/2/2022	0.38	0.39	0.67	0.68	0.90	0.91			1.45	1.48	2.01	2.07
4/29/2022	0.37	0.38	0.71	0.72	0.83	0.84			1.37	1.40	2.02	2.08
4/28/2022	0.37	0.38	0.70	0.71	0.81	0.82			1.35	1.38	1.96	2.02
4/27/2022	0.35	0.35	0.58	0.59	0.82	0.83			1.36	1.39	1.91	1.96
4/26/2022	0.36	0.37	0.56	0.57	0.84	0.85			1.37	1.40	1.92	1.97
4/25/2022	0.39	0.40	0.57	0.58	0.93	0.95			1.40	1.43	1.96	2.02
4/22/2022	0.46	0.47	0.63	0.64	0.82	0.83			1.30	1.33	2.00	2.06
4/21/2022	0.50	0.51	0.64	0.65	0.82	0.83			1.29	1.32	1.96	2.02
4/20/2022	0.33	0.33	0.50	0.51	0.82	0.83			1.26	1.29	1.88	1.93
4/19/2022	0.35	0.35	0.54	0.55	0.82	0.83			1.26	1.29	1.89	1.94
4/18/2022	0.37	0.38	0.57	0.58	0.82	0.83			1.25	1.28	1.72	1.77
4/14/2022	0.37	0.38	0.57	0.58	0.78	0.79			1.22	1.24	1.73	1.78
4/13/2022	0.23	0.23	0.47	0.48	0.75	0.76			1.17	1.19	1.67	1.71
4/12/2022	0.19	0.19	0.47	0.48	0.74	0.75			1.18	1.20	1.67	1.71
4/11/2022	0.21	0.21	0.50	0.51	0.78	0.79			1.22	1.24	1.75	1.80
4/8/2022	0.20	0.20	0.47	0.48	0.69	0.70			1.16	1.18	1.72	1.77
4/7/2022	0.21	0.21	0.49	0.50	0.68	0.69			1.12	1.14	1.69	1.73
4/6/2022	0.19	0.19	0.39	0.40	0.67	0.68			1.13	1.15	1.71	1.76
4/5/2022	0.17	0.17	0.38	0.39	0.65	0.66			1.11	1.13	1.69	1.73
4/4/2022	0.17	0.17	0.38	0.39	0.67	0.68			1.12	1.14	1.65	1.69
4/1/2022	0.15	0.15	0.36	0.37	0.52	0.53			1.05	1.07	1.65	1.69
3/31/2022	0.17	0.17	0.35	0.36	0.51	0.52			1.02	1.04	1.57	1.61
3/30/2022	0.13	0.13	0.29	0.29	0.55	0.56			1.01	1.03	1.58	1.62

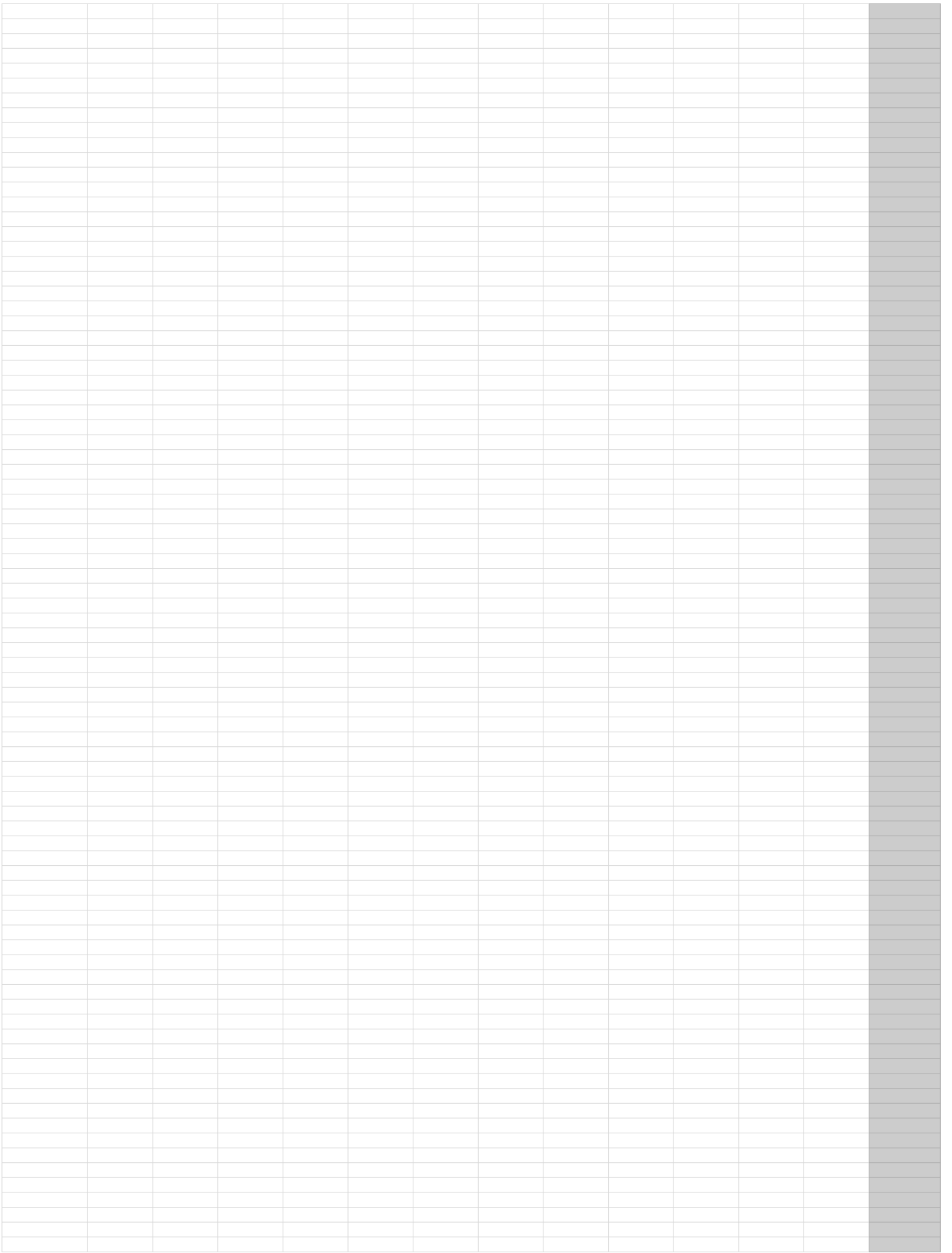
3/29/2022	0.17	0.17	0.31	0.31	0.56	0.57			1.03	1.05	1.62	1.66
3/28/2022	0.18	0.18	0.33	0.33	0.60	0.61			1.06	1.08	1.63	1.67
3/25/2022	0.17	0.17	0.31	0.31	0.53	0.54			0.98	1.00	1.62	1.66
3/24/2022	0.16	0.16	0.31	0.31	0.50	0.51			0.93	0.95	1.51	1.55
3/23/2022	0.14	0.14	0.23	0.23	0.50	0.51			0.90	0.92	1.49	1.53
3/22/2022	0.20	0.20	0.27	0.27	0.51	0.52			0.94	0.96	1.56	1.60
3/21/2022	0.21	0.21	0.31	0.31	0.55	0.56			0.93	0.95	1.28	1.31
3/18/2022	0.19	0.19	0.28	0.28	0.41	0.42			0.80	0.81	1.19	1.22
3/17/2022	0.20	0.20	0.30	0.30	0.40	0.41			0.79	0.80	1.20	1.23
3/16/2022	0.23	0.23	0.28	0.28	0.43	0.44			0.84	0.86	1.26	1.29
3/15/2022	0.21	0.21	0.29	0.29	0.46	0.47			0.84	0.86	1.19	1.22
3/14/2022	0.22	0.22	0.30	0.30	0.45	0.46			0.84	0.86	1.20	1.23
3/11/2022	0.17	0.17	0.28	0.28	0.39	0.40			0.75	0.76	1.15	1.18
3/10/2022	0.19	0.19	0.28	0.28	0.38	0.39			0.73	0.74	1.13	1.16
3/9/2022	0.17	0.17	0.23	0.23	0.38	0.39			0.73	0.74	1.10	1.12
3/8/2022	0.15	0.15	0.22	0.22	0.36	0.37			0.70	0.71	1.07	1.09
3/7/2022	0.17	0.17	0.21	0.21	0.38	0.39			0.73	0.74	1.03	1.05
3/4/2022	0.15	0.15	0.21	0.21	0.33	0.33			0.66	0.67	1.02	1.04
3/3/2022	0.19	0.19	0.25	0.25	0.37	0.38			0.67	0.68	1.05	1.07
3/2/2022	0.12	0.12	0.21	0.21	0.33	0.33			0.66	0.67	1.03	1.05
3/1/2022	0.10	0.10	0.19	0.19	0.32	0.32			0.59	0.60	0.88	0.90
2/28/2022	0.06	0.06	0.19	0.19	0.37	0.38			0.68	0.69	0.98	1.00
2/25/2022	0.03	0.03	0.20	0.20	0.33	0.33			0.71	0.72	1.11	1.13
2/24/2022	0.05	0.05	0.19	0.19	0.33	0.33			0.64	0.65	1.06	1.08
2/23/2022	0.02	0.02	0.18	0.18	0.36	0.37			0.74	0.75	1.14	1.17
2/22/2022	0.03	0.03	0.18	0.18	0.39	0.40			0.74	0.75	1.15	1.18
2/18/2022	0.03	0.03	0.20	0.20	0.35	0.36			0.65	0.66	0.97	0.99
2/17/2022	0.06	0.06	0.24	0.24	0.37	0.38			0.65	0.66	0.99	1.01
2/16/2022	0.03	0.03	0.14	0.14	0.39	0.40			0.67	0.68	1.04	1.06
2/15/2022	0.02	0.02	0.17	0.17	0.41	0.42			0.72	0.73	1.05	1.07
2/14/2022	0.03	0.03	0.24	0.24	0.45	0.46			0.77	0.78	1.08	1.10
2/11/2022	0.03	0.03	0.23	0.23	0.37	0.38			0.70	0.71	1.03	1.05
2/10/2022	0.05	0.05	0.32	0.32	0.41	0.42			0.74	0.75	1.09	1.11
2/9/2022	0.03	0.03	0.13	0.13	0.27	0.27			0.57	0.58	0.87	0.89
2/8/2022	0.03	0.03	0.12	0.12	0.27	0.27			0.59	0.60	0.87	0.89
2/7/2022	0.03	0.03	0.13	0.13	0.28	0.28			0.59	0.60	0.85	0.87
2/4/2022	0.05	0.05	0.13	0.13	0.23	0.23			0.55	0.56	0.86	0.88
2/3/2022	0.03	0.03	0.16	0.16	0.21	0.21			0.48	0.49	0.75	0.76
2/2/2022	0.04	0.04	0.09	0.09	0.20	0.20			0.45	0.46	0.74	0.75
2/1/2022	0.04	0.04	0.09	0.09	0.20	0.20			0.48	0.49	0.76	0.77
1/31/2022	0.03	0.03	0.13	0.13	0.24	0.24			0.49	0.50	0.76	0.77
1/28/2022	0.04	0.04	0.11	0.11	0.19	0.19			0.43	0.44	0.74	0.75
1/27/2022	0.04	0.04	0.14	0.14	0.20	0.20			0.43	0.44	0.74	0.75
1/26/2022	0.05	0.05	0.10	0.10	0.19	0.19			0.40	0.41	0.69	0.70
1/25/2022	0.05	0.05	0.08	0.08	0.20	0.20			0.39	0.40	0.64	0.65
1/24/2022	0.05	0.05	0.09	0.09	0.20	0.20			0.39	0.40	0.55	0.56
1/21/2022	0.05	0.05	0.08	0.08	0.17	0.17			0.35	0.36	0.54	0.55
1/20/2022	0.05	0.05	0.09	0.09	0.18	0.18			0.36	0.37	0.56	0.57
1/19/2022	0.05	0.05	0.05	0.05	0.17	0.17			0.36	0.37	0.53	0.54
1/18/2022	0.05	0.05	0.06	0.06	0.17	0.17			0.37	0.38	0.55	0.56
1/14/2022	0.05	0.05	0.06	0.06	0.13	0.13			0.30	0.30	0.48	0.49
1/13/2022	0.05	0.05	0.05	0.05	0.12	0.12			0.28	0.28	0.45	0.46
1/12/2022	0.04	0.04	0.05	0.05	0.12	0.12			0.28	0.28	0.45	0.46
1/11/2022	0.04	0.04	0.05	0.05	0.12	0.12			0.28	0.28	0.44	0.45
1/10/2022	0.05	0.05	0.06	0.06	0.13	0.13			0.29	0.29	0.44	0.45
1/7/2022	0.05	0.05	0.06	0.06	0.10	0.10			0.24	0.24	0.41	0.42
1/6/2022	0.04	0.04	0.06	0.06	0.10	0.10			0.23	0.23	0.43	0.44
1/5/2022	0.05	0.05	0.05	0.05	0.09	0.09			0.23	0.23	0.40	0.41
1/4/2022	0.06	0.06	0.05	0.05	0.08	0.08			0.23	0.23	0.37	0.38
1/3/2022	0.05	0.05	0.06	0.06	0.09	0.09			0.22	0.22	0.39	0.40
11/27/2023	5.3	5.41	5.28	5.41	5.28	5.44	5.27	5.45	5.24	5.47	4.99	5.26
11/28/2023	5.3	5.41	5.28	5.41	5.27	5.43	5.25	5.43	5.21	5.44	4.93	5.21
11/29/2023	5.29	5.4	5.27	5.4	5.25	5.41	5.25	5.43	5.18	5.41	4.85	5.12
11/30/2023	5.29	5.4	5.27	5.4	5.25	5.41	5.26	5.44	5.18	5.41	4.88	5.15
12/1/2023	5.29	5.4	5.27	5.4	5.23	5.39	5.22	5.4	5.14	5.36	4.78	5.04
12/4/2023	5.29	5.4	5.27	5.4	5.26	5.42	5.24	5.42	5.18	5.41	4.84	5.11
12/5/2023	5.28	5.39	5.26	5.39	5.25	5.41	5.23	5.41	5.15	5.38	4.8	5.06
12/6/2023	5.27	5.38	5.25	5.38	5.25	5.41	5.23	5.41	5.16	5.39	4.82	5.08
12/7/2023	5.26	5.37	5.27	5.4	5.24	5.4	5.23	5.41	5.14	5.36	4.8	5.06
12/8/2023	5.28	5.39	5.27	5.4	5.24	5.4	5.25	5.43	5.17	5.39	4.87	5.14
12/11/2023	5.28	5.39	5.28	5.41	5.26	5.42	5.25	5.43	5.17	5.4	4.88	5.15
12/12/2023	5.27	5.38	5.28	5.41	5.26	5.42	5.25	5.43	5.18	5.41	4.88	5.15
12/13/2023	5.26	5.37	5.27	5.4	5.24	5.4	5.22	5.4	5.11	5.33	4.7	4.95
12/14/2023	5.28	5.39	5.28	5.41	5.23	5.39	5.22	5.4	5.09	5.31	4.67	4.92
12/15/2023	5.27	5.38	5.28	5.41	5.24	5.4	5.24	5.42	5.12	5.34	4.72	4.97
12/18/2023	5.25	5.36	5.26	5.39	5.26	5.42	5.24	5.42	5.13	5.35	4.73	4.98
12/19/2023	5.24	5.35	5.26	5.39	5.23	5.39	5.22	5.4	5.12	5.34	4.71	4.96
12/20/2023	5.24	5.35	5.24	5.37	5.24	5.4	5.22	5.4	5.11	5.33	4.67	4.91
12/21/2023	5.27	5.38	5.27	5.4	5.22	5.38	5.22	5.4	5.09	5.31	4.63	4.87
12/22/2023	5.27	5.38	5.26	5.39	5.24	5.39	5.22	5.4	5.1	5.32	4.62	4.86
12/26/2023	5.27	5.38	5.27	5.4	5.25	5.41	5.22	5.4	5.06	5.28	4.58	4.82
12/27/2023	5.28	5.39	5.29	5.42	5.24	5.4	5.21	5.39	5.05	5.27	4.54	4.78
12/28/2023	5.31	5.42	5.29	5.42	5.25	5.41	5.22	5.4	5.06	5.28	4.58	4.82
12/29/2023	5.33	5.44	5.33	5.46	5.2	5.35	5.21	5.39	5.05	5.26	4.55	4.79

1/2/2024	5.28	5.39	5.28	5.41	5.22	5.38	5.21	5.39	5.04	5.26	4.57	4.81
1/3/2024	5.27	5.38	5.28	5.41	5.24	5.4	5.21	5.39	5.06	5.28	4.58	4.82
1/4/2024	5.29	5.4	5.28	5.41	5.24	5.4	5.21	5.39	5.06	5.28	4.61	4.85
1/5/2024	5.28	5.39	5.27	5.4	5.24	5.4	5.2	5.38	5.05	5.27	4.61	4.85
1/8/2024	5.28	5.39	5.28	5.41	5.25	5.41	5.19	5.37	5.04	5.26	4.59	4.83
1/9/2024	5.28	5.39	5.26	5.39	5.24	5.4	5.19	5.37	5.04	5.26	4.6	4.84
1/10/2024	5.27	5.38	5.26	5.39	5.23	5.39	5.19	5.37	5.04	5.26	4.6	4.84
1/11/2024	5.28	5.39	5.27	5.4	5.23	5.39	5.18	5.36	5.03	5.25	4.54	4.77
1/12/2024	5.28	5.39	5.27	5.4	5.22	5.37	5.17	5.35	4.98	5.19	4.45	4.67
1/16/2024	5.29	5.4	5.28	5.41	5.22	5.38	5.18	5.36	4.99	5.2	4.51	4.74
1/17/2024	5.29	5.4	5.27	5.4	5.24	5.4	5.19	5.37	5.01	5.23	4.59	4.83
1/18/2024	5.26	5.37	5.28	5.41	5.22	5.38	5.18	5.36	5.01	5.23	4.6	4.84
1/19/2024	5.28	5.39	5.27	5.4	5.22	5.37	5.19	5.37	5.03	5.24	4.64	4.88
1/22/2024	5.27	5.38	5.27	5.4	5.22	5.38	5.19	5.37	5.02	5.24	4.63	4.87
1/23/2024	5.28	5.39	5.26	5.39	5.21	5.37	5.19	5.37	5.02	5.24	4.57	4.81
1/24/2024	5.27	5.38	5.25	5.38	5.21	5.37	5.19	5.37	5.03	5.25	4.58	4.82
1/25/2024	5.28	5.39	5.28	5.41	5.21	5.37	5.18	5.36	5	5.21	4.52	4.76
1/26/2024	5.27	5.38	5.25	5.38	5.21	5.36	5.18	5.36	5.01	5.22	4.54	4.78
1/29/2024	5.27	5.38	5.27	5.4	5.22	5.38	5.18	5.36	4.99	5.2	4.53	4.77
1/30/2024	5.27	5.38	5.27	5.4	5.21	5.37	5.19	5.37	5	5.22	4.56	4.8
1/31/2024	5.27	5.38	5.27	5.4	5.22	5.38	5.17	5.35	5	5.22	4.5	4.73
2/1/2024	5.28	5.39	5.28	5.41	5.22	5.38	5.15	5.33	4.97	5.18	4.46	4.69
2/2/2024	5.28	5.39	5.27	5.4	5.23	5.39	5.19	5.37	5.03	5.24	4.58	4.82
2/5/2024	5.28	5.39	5.27	5.4	5.22	5.38	5.19	5.37	5.05	5.27	4.64	4.88
2/6/2024	5.27	5.38	5.28	5.41	5.23	5.39	5.19	5.37	5.04	5.26	4.6	4.84
2/7/2024	5.26	5.37	5.27	5.4	5.23	5.39	5.17	5.35	5.04	5.26	4.61	4.85
2/8/2024	5.28	5.39	5.27	5.4	5.23	5.39	5.19	5.37	5.05	5.27	4.61	4.85
2/9/2024	5.28	5.39	5.27	5.4	5.24	5.4	5.2	5.38	5.07	5.29	4.63	4.87
2/12/2024	5.28	5.39	5.28	5.41	5.23	5.39	5.2	5.38	5.07	5.29	4.65	4.89
2/13/2024	5.27	5.38	5.29	5.42	5.25	5.41	5.23	5.41	5.12	5.34	4.76	5.01
2/14/2024	5.28	5.39	5.28	5.41	5.23	5.39	5.22	5.4	5.11	5.33	4.72	4.97
2/15/2024	5.28	5.39	5.27	5.4	5.23	5.39	5.21	5.39	5.11	5.33	4.71	4.96
2/16/2024	5.28	5.39	5.27	5.4	5.24	5.39	5.22	5.4	5.12	5.34	4.75	5
2/20/2024	5.29	5.4	5.26	5.39	5.24	5.4	5.22	5.4	5.12	5.34	4.71	4.97
2/21/2024	5.29	5.4	5.27	5.4	5.24	5.4	5.22	5.4	5.12	5.34	4.72	4.98
2/22/2024	5.28	5.39	5.28	5.41	5.25	5.41	5.21	5.39	5.13	5.35	4.75	5.01
2/23/2024	5.29	5.4	5.28	5.41	5.26	5.42	5.23	5.41	5.13	5.35	4.74	5
2/26/2024	5.29	5.4	5.29	5.42	5.26	5.4	5.24	5.42	5.14	5.35	4.77	5.03
2/27/2024	5.3	5.41	5.29	5.42	5.25	5.39	5.24	5.42	5.13	5.34	4.78	5.04
2/28/2024	5.29	5.4	5.29	5.42	5.24	5.38	5.22	5.39	5.11	5.32	4.75	5.01
2/29/2024	5.3	5.4	5.29	5.41	5.25	5.39	5.23	5.4	5.11	5.32	4.76	5.02
3/1/2024	5.3	5.4	5.29	5.41	5.23	5.37	5.21	5.37	5.09	5.29	4.7	4.95
3/4/2024	5.28	5.38	5.28	5.4	5.24	5.38	5.22	5.39	5.11	5.32	4.74	4.99
3/5/2024	5.27	5.36	5.27	5.39	5.23	5.37	5.21	5.37	5.1	5.31	4.71	4.96
3/6/2024	5.27	5.36	5.27	5.39	5.24	5.38	5.2	5.36	5.1	5.31	4.72	4.97
3/7/2024	5.28	5.38	5.28	5.4	5.24	5.38	5.2	5.36	5.09	5.3	4.7	4.95
3/8/2024	5.28	5.38	5.28	5.4	5.24	5.38	5.2	5.36	5.1	5.3	4.69	4.94
3/11/2024	5.27	5.37	5.27	5.39	5.24	5.38	5.21	5.37	5.1	5.31	4.72	4.97
3/12/2024	5.29	5.38	5.28	5.4	5.25	5.39	5.21	5.37	5.12	5.33	4.77	5.02
3/13/2024	5.29	5.38	5.27	5.39	5.25	5.39	5.21	5.37	5.12	5.33	4.78	5.03
3/14/2024	5.29	5.39	5.28	5.4	5.25	5.39	5.21	5.37	5.13	5.34	4.81	5.06
3/15/2024	5.29	5.39	5.27	5.39	5.25	5.39	5.21	5.37	5.13	5.34	4.82	5.07
3/18/2024	5.29	5.39	5.28	5.4	5.25	5.39	5.22	5.39	5.13	5.34	4.83	5.08
3/19/2024	5.29	5.38	5.28	5.4	5.24	5.38	5.21	5.37	5.14	5.35	4.81	5.06
3/20/2024	5.27	5.36	5.27	5.39	5.24	5.38	5.21	5.37	5.11	5.32	4.76	5.01
3/21/2024	5.27	5.37	5.28	5.4	5.25	5.39	5.2	5.36	5.11	5.32	4.76	5.01
3/22/2024	5.27	5.37	5.27	5.39	5.24	5.38	5.2	5.36	5.1	5.3	4.73	4.97
3/25/2024	5.28	5.38	5.28	5.4	5.23	5.37	5.22	5.39	5.11	5.32	4.76	5.01
3/26/2024	5.27	5.36	5.27	5.39	5.22	5.36	5.21	5.37	5.11	5.32	4.76	5
3/27/2024	5.27	5.36	5.27	5.39	5.22	5.36	5.21	5.37	5.11	5.32	4.75	4.99
3/28/2024	5.29	5.39	5.28	5.4	5.23	5.37	5.22	5.39	5.13	5.34	4.79	5.03
4/1/2024	5.29	5.39	5.27	5.39	5.23	5.37	5.21	5.37	5.13	5.34	4.83	5.08
4/2/2024	5.29	5.38	5.25	5.37	5.22	5.36	5.2	5.36	5.11	5.32	4.82	5.07
4/3/2024	5.27	5.36	5.24	5.35	5.22	5.36	5.2	5.36	5.11	5.32	4.8	5.04
4/4/2024	5.26	5.35	5.26	5.38	5.21	5.35	5.2	5.36	5.1	5.31	4.78	5.02
4/5/2024	5.27	5.37	5.27	5.39	5.23	5.37	5.21	5.37	5.12	5.33	4.82	5.06
4/8/2024	5.27	5.37	5.27	5.39	5.23	5.37	5.22	5.39	5.12	5.33	4.84	5.09
4/9/2024	5.27	5.36	5.27	5.39	5.23	5.37	5.21	5.37	5.11	5.32	4.81	5.05
4/10/2024	5.28	5.37	5.28	5.4	5.25	5.39	5.24	5.41	5.17	5.38	4.95	5.2
4/11/2024	5.28	5.38	5.27	5.39	5.25	5.39	5.23	5.4	5.16	5.37	4.93	5.18
4/12/2024	5.28	5.38	5.27	5.39	5.25	5.39	5.22	5.39	5.14	5.35	4.9	5.15
4/15/2024	5.29	5.39	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.93	5.18
4/16/2024	5.29	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.92	5.18
4/17/2024	5.29	5.38	5.27	5.39	5.25	5.39	5.24	5.41	5.15	5.36	4.9	5.16
4/18/2024	5.28	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.92	5.18
4/19/2024	5.28	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.17	5.38	4.91	5.17
4/22/2024	5.28	5.38	5.28	5.4	5.22	5.36	5.24	5.41	5.16	5.37	4.91	5.17
4/23/2024	5.29	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.89	5.15
4/24/2024	5.28	5.37	5.27	5.39	5.26	5.4	5.24	5.41	5.17	5.38	4.91	5.17
4/25/2024	5.28	5.38	5.28	5.4	5.26	5.4	5.26	5.43	5.18	5.39	4.95	5.21
4/26/2024	5.28	5.38	5.27	5.39	5.25	5.39	5.25	5.42	5.18	5.39	4.95	5.21
4/29/2024	5.28	5.38	5.28	5.4	5.25	5.39	5.25	5.42	5.17	5.38	4.95	5.21
4/30/2024	5.28	5.37	5.28	5.4	5.25	5.39	5.25	5.42	5.18	5.39	4.99	5.25
5/1/2024	5.26	5.35	5.28	5.4	5.26	5.4	5.24	5.41	5.17	5.38	4.96	5.22

5/2/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.24	5.41	5.16	5.37	4.92	5.17
5/3/2024	5.28	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.88	5.13
5/6/2024	5.28	5.38	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.89	5.14
5/7/2024	5.28	5.37	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.9	5.15
5/8/2024	5.28	5.37	5.28	5.4	5.25	5.39	5.24	5.41	5.16	5.37	4.9	5.15
5/9/2024	5.27	5.37	5.28	5.4	5.25	5.39	5.24	5.41	5.15	5.36	4.9	5.15
5/10/2024	5.27	5.37	5.27	5.39	5.26	5.4	5.24	5.41	5.17	5.38	4.93	5.18
5/13/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.24	5.41	5.17	5.38	4.93	5.18
5/14/2024	5.27	5.36	5.28	5.4	5.24	5.38	5.24	5.41	5.17	5.38	4.89	5.15
5/15/2024	5.26	5.35	5.26	5.38	5.25	5.39	5.24	5.41	5.15	5.36	4.84	5.1
5/16/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.27	5.44	5.16	5.37	4.87	5.13
5/17/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.24	5.41	5.16	5.37	4.88	5.14
5/20/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.24	5.41	5.17	5.38	4.89	5.15
5/21/2024	5.27	5.36	5.27	5.39	5.25	5.39	5.24	5.41	5.16	5.37	4.88	5.14
5/22/2024	5.26	5.35	5.28	5.4	5.25	5.39	5.24	5.41	5.17	5.38	4.91	5.17
5/23/2024	5.27	5.37	5.28	5.4	5.26	5.4	5.25	5.42	5.18	5.39	4.94	5.2
5/24/2024	5.32	5.42	5.32	5.44	5.26	5.4	5.25	5.42	5.18	5.39	4.95	5.21
5/28/2024	5.27	5.36	5.28	5.4	5.26	5.4	5.25	5.42	5.18	5.39	4.96	5.22
5/29/2024	5.27	5.36	5.28	5.4	5.26	5.4	5.24	5.41	5.17	5.38	4.97	5.23
5/30/2024	5.28	5.38	5.28	5.4	5.26	5.4	5.24	5.41	5.17	5.38	4.95	5.21
5/31/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.23	5.4	5.17	5.38	4.94	5.19
6/3/2024	5.28	5.38	5.28	5.4	5.26	5.4	5.23	5.4	5.16	5.37	4.9	5.15
6/4/2024	5.28	5.37	5.27	5.39	5.25	5.39	5.22	5.38	5.15	5.36	4.88	5.13
6/5/2024	5.28	5.37	5.28	5.4	5.25	5.39	5.22	5.39	5.14	5.35	4.86	5.11
6/6/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.22	5.39	5.14	5.35	4.85	5.09
6/7/2024	5.27	5.37	5.27	5.39	5.26	5.4	5.24	5.41	5.17	5.38	4.94	5.19
6/10/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.24	5.41	5.17	5.38	4.93	5.18
6/11/2024	5.26	5.35	5.26	5.38	5.25	5.39	5.23	5.4	5.16	5.37	4.9	5.16
6/12/2024	5.26	5.35	5.26	5.38	5.25	5.39	5.24	5.41	5.15	5.36	4.87	5.13
6/13/2024	5.27	5.37	5.27	5.39	5.25	5.39	5.22	5.39	5.14	5.35	4.82	5.07
6/14/2024	5.26	5.35	5.26	5.38	5.25	5.39	5.22	5.39	5.14	5.35	4.81	5.06
6/17/2024	5.25	5.34	5.27	5.39	5.25	5.39	5.23	5.4	5.16	5.37	4.86	5.11
6/18/2024	5.2	5.29	5.25	5.37	5.24	5.38	5.22	5.38	5.15	5.36	4.84	5.09
6/20/2024	5.22	5.31	5.26	5.38	5.24	5.38	5.22	5.39	5.15	5.36	4.86	5.11
6/21/2024	5.22	5.31	5.26	5.38	5.23	5.37	5.22	5.39	5.14	5.35	4.86	5.11
6/24/2024	5.22	5.31	5.25	5.37	5.24	5.38	5.22	5.39	5.14	5.35	4.86	5.11
6/25/2024	5.23	5.32	5.25	5.37	5.23	5.37	5.22	5.38	5.14	5.35	4.86	5.11
6/26/2024	5.24	5.33	5.25	5.37	5.24	5.38	5.22	5.39	5.14	5.35	4.89	5.14
6/27/2024	5.27	5.37	5.26	5.38	5.23	5.37	5.22	5.39	5.12	5.33	4.87	5.12
6/28/2024	5.27	5.37	5.27	5.39	5.22	5.36	5.22	5.39	5.11	5.32	4.86	5.11
7/1/2024	5.28	5.38	5.27	5.39	5.24	5.38	5.22	5.39	5.12	5.33	4.87	5.12
7/2/2024	5.28	5.37	5.27	5.39	5.24	5.38	5.21	5.37	5.11	5.32	4.85	5.1
7/3/2024	5.28	5.38	5.27	5.39	5.24	5.38	5.2	5.36	5.11	5.32	4.82	5.06
7/5/2024	5.28	5.38	5.27	5.39	5.23	5.37	5.2	5.36	5.09	5.29	4.77	5.01
7/8/2024	5.27	5.37	5.27	5.39	5.23	5.37	5.2	5.36	5.08	5.29	4.78	5.02
7/9/2024	5.24	5.33	5.25	5.37	5.23	5.37	5.2	5.36	5.09	5.3	4.77	5.02
7/10/2024	5.24	5.33	5.24	5.35	5.23	5.37	5.2	5.36	5.09	5.3	4.76	5.01
7/11/2024	5.28	5.38	5.27	5.39	5.21	5.35	5.16	5.32	5.01	5.21	4.67	4.91
7/12/2024	5.27	5.37	5.26	5.38	5.21	5.35	5.15	5.31	5	5.2	4.64	4.87
7/15/2024	5.28	5.38	5.26	5.38	5.2	5.34	5.15	5.31	4.99	5.19	4.62	4.85
7/16/2024	5.27	5.36	5.26	5.38	5.2	5.34	5.15	5.31	4.99	5.19	4.62	4.85
7/17/2024	5.25	5.34	5.26	5.38	5.2	5.34	5.14	5.3	4.99	5.19	4.62	4.85
7/18/2024	5.27	5.37	5.26	5.38	5.21	5.35	5.14	5.3	5	5.2	4.64	4.87
7/19/2024	5.28	5.38	5.26	5.38	5.2	5.34	5.14	5.3	5	5.2	4.65	4.88
7/22/2024	5.28	5.38	5.27	5.39	5.19	5.33	5.14	5.3	5	5.2	4.66	4.89
7/23/2024	5.28	5.37	5.27	5.39	5.18	5.32	5.13	5.29	4.98	5.18	4.65	4.88
7/24/2024	5.29	5.38	5.27	5.39	5.18	5.32	5.12	5.28	4.96	5.16	4.62	4.85
7/25/2024	5.29	5.39	5.26	5.38	5.17	5.31	5.11	5.27	4.95	5.15	4.62	4.85
7/26/2024	5.28	5.38	5.26	5.38	5.16	5.3	5.11	5.27	4.95	5.14	4.59	4.81
7/29/2024	5.29	5.39	5.27	5.39	5.15	5.29	5.11	5.27	4.94	5.14	4.59	4.81
7/30/2024	5.29	5.38	5.26	5.38	5.14	5.28	5.11	5.27	4.92	5.12	4.58	4.8
7/31/2024	5.28	5.37	5.26	5.38	5.15	5.29	5.09	5.25	4.91	5.1	4.55	4.77
8/1/2024	5.28	5.38	5.23	5.35	5.12	5.26	5.05	5.21	4.85	5.04	4.44	4.65
8/2/2024	5.27	5.37	5.2	5.32	5.05	5.18	4.92	5.07	4.68	4.86	4.18	4.37
8/5/2024	5.26	5.35	5.21	5.33	5.09	5.23	4.94	5.09	4.69	4.87	4.2	4.39
8/6/2024	5.24	5.33	5.21	5.32	5.09	5.23	4.98	5.13	4.77	4.96	4.25	4.45
8/7/2024	5.25	5.34	5.21	5.32	5.09	5.23	4.98	5.13	4.77	4.96	4.24	4.44
8/8/2024	5.29	5.39	5.19	5.3	5.09	5.23	4.99	5.14	4.79	4.98	4.28	4.49
8/9/2024	5.28	5.38	5.18	5.29	5.09	5.22	5	5.15	4.8	4.98	4.29	4.49
8/12/2024	5.27	5.37	5.18	5.29	5.07	5.21	4.99	5.14	4.79	4.98	4.27	4.47
8/13/2024	5.23	5.32	5.17	5.28	5.06	5.2	4.98	5.13	4.75	4.93	4.21	4.41
8/14/2024	5.24	5.33	5.17	5.28	5.07	5.21	4.98	5.13	4.77	4.96	4.23	4.43
8/15/2024	5.26	5.35	5.18	5.29	5.09	5.23	5	5.15	4.82	5.01	4.33	4.54
8/16/2024	5.27	5.37	5.17	5.28	5.08	5.21	4.99	5.14	4.8	4.98	4.3	4.5
8/19/2024	5.26	5.35	5.17	5.28	5.06	5.2	4.99	5.14	4.77	4.96	4.3	4.5
8/20/2024	5.23	5.32	5.15	5.26	5.04	5.18	4.97	5.12	4.74	4.92	4.25	4.45
8/21/2024	5.21	5.3	5.12	5.23	5.02	5.16	4.91	5.06	4.7	4.88	4.19	4.38
8/22/2024	5.24	5.33	5.13	5.24	5.04	5.18	4.93	5.08	4.74	4.92	4.26	4.46
8/23/2024	5.25	5.34	5.13	5.24	5.01	5.14	4.92	5.07	4.71	4.89	4.19	4.38
8/26/2024	5.24	5.33	5.14	5.25	4.98	5.11	4.93	5.08	4.69	4.87	4.22	4.41
8/27/2024	5.24	5.33	5.13	5.24	4.98	5.11	4.92	5.07	4.67	4.85	4.19	4.38
8/28/2024	5.23	5.32	5.13	5.24	4.96	5.09	4.88	5.03	4.66	4.84	4.21	4.4
8/29/2024	5.18	5.27	5.1	5.21	4.98	5.11	4.88	5.03	4.68	4.86	4.23	4.42
8/30/2024	5.18	5.27	5.11	5.22	4.98	5.11	4.88	5.03	4.69	4.87	4.23	4.42







Last Import Date: 9/13/2024

Daily Treasury Rates

Date	1 Mo	2 Mo	3 Mo	4 Mo	6 Mo	1 Yr	2 Yr	3 Yr	5 Yr	7 Yr	10 Yr	20 Yr	30 Yr
9/12/2024	5.18	5.22	5.06	4.97	4.68	4.09	3.64	3.47	3.47	3.57	3.68	4.07	4
9/11/2024	5.21	5.19	5.1	4.99	4.72	4.12	3.62	3.45	3.45	3.54	3.65	4.03	3.96
9/10/2024	5.18	5.18	5.06	4.92	4.65	4.07	3.59	3.42	3.43	3.53	3.65	4.04	3.97
9/9/2024	5.25	5.25	5.11	4.99	4.68	4.12	3.68	3.54	3.49	3.58	3.7	4.08	4
9/6/2024	5.28	5.28	5.13	5.02	4.69	4.1	3.66	3.54	3.5	3.6	3.72	4.1	4.03
9/5/2024	5.3	5.29	5.15	5.04	4.73	4.21	3.75	3.61	3.54	3.63	3.73	4.11	4.02
9/4/2024	5.33	5.28	5.18	5.05	4.74	4.23	3.76	3.63	3.56	3.65	3.77	4.14	4.06
9/3/2024	5.38	5.31	5.19	5.1	4.8	4.35	3.88	3.73	3.65	3.73	3.84	4.21	4.13
8/30/2024	5.41	5.32	5.21	5.12	4.89	4.38	3.91	3.79	3.71	3.8	3.91	4.28	4.2
8/29/2024	5.4	5.33	5.22	5.12	4.89	4.38	3.87	3.76	3.66	3.76	3.87	4.24	4.15
8/28/2024	5.47	5.33	5.21	5.12	4.87	4.36	3.83	3.72	3.63	3.74	3.84	4.22	4.13
8/27/2024	5.49	5.33	5.23	5.12	4.89	4.34	3.83	3.72	3.66	3.73	3.83	4.21	4.13
8/26/2024	5.49	5.34	5.24	5.13	4.91	4.38	3.91	3.74	3.66	3.72	3.82	4.19	4.11
8/23/2024	5.51	5.35	5.25	5.13	4.92	4.36	3.9	3.73	3.65	3.71	3.81	4.18	4.1
8/22/2024	5.51	5.35	5.28	5.15	4.96	4.43	3.99	3.82	3.72	3.77	3.86	4.21	4.13
8/21/2024	5.45	5.33	5.26	5.13	4.92	4.36	3.92	3.74	3.64	3.69	3.79	4.15	4.06
8/20/2024	5.48	5.36	5.29	5.17	4.97	4.43	3.99	3.8	3.7	3.73	3.82	4.19	4.07
8/19/2024	5.51	5.39	5.31	5.19	5	4.48	4.06	3.86	3.75	3.78	3.86	4.23	4.11
8/16/2024	5.53	5.4	5.33	5.21	5.02	4.49	4.06	3.87	3.77	3.81	3.89	4.26	4.15
8/15/2024	5.53	5.4	5.34	5.22	5.04	4.52	4.08	3.9	3.79	3.83	3.92	4.28	4.18
8/14/2024	5.49	5.39	5.32	5.21	5	4.42	3.94	3.76	3.67	3.72	3.83	4.22	4.12
8/13/2024	5.48	5.39	5.32	5.18	4.97	4.4	3.93	3.75	3.68	3.74	3.85	4.25	4.16
8/12/2024	5.53	5.4	5.33	5.2	5.02	4.47	4.01	3.82	3.75	3.8	3.9	4.3	4.19
8/9/2024	5.54	5.4	5.33	5.22	5.02	4.5	4.05	3.86	3.8	3.85	3.94	4.33	4.23
8/8/2024	5.55	5.42	5.34	5.21	5.01	4.48	4.04	3.86	3.83	3.89	3.99	4.38	4.28
8/7/2024	5.5	5.43	5.34	5.21	4.99	4.45	4	3.81	3.79	3.85	3.96	4.35	4.26
8/6/2024	5.5	5.43	5.34	5.18	5	4.46	3.99	3.76	3.73	3.79	3.9	4.28	4.18
8/5/2024	5.52	5.43	5.35	5.14	4.91	4.34	3.89	3.71	3.62	3.66	3.78	4.16	4.06
8/2/2024	5.54	5.43	5.29	5.14	4.88	4.33	3.88	3.7	3.62	3.68	3.8	4.19	4.11
8/1/2024	5.55	5.46	5.37	5.28	5.08	4.62	4.16	3.96	3.84	3.89	3.99	4.35	4.27
7/31/2024	5.49	5.51	5.41	5.32	5.14	4.73	4.29	4.1	3.97	4	4.09	4.44	4.35
7/30/2024	5.5	5.5	5.4	5.35	5.16	4.78	4.35	4.16	4.03	4.06	4.15	4.5	4.4
7/29/2024	5.5	5.51	5.41	5.36	5.18	4.79	4.36	4.19	4.05	4.08	4.17	4.51	4.42
7/26/2024	5.49	5.51	5.38	5.36	5.18	4.79	4.36	4.2	4.06	4.1	4.2	4.53	4.45
7/25/2024	5.49	5.52	5.39	5.37	5.19	4.83	4.41	4.26	4.13	4.18	4.27	4.59	4.5
7/24/2024	5.5	5.5	5.4	5.37	5.19	4.82	4.37	4.24	4.12	4.2	4.28	4.62	4.54
7/23/2024	5.49	5.51	5.41	5.38	5.22	4.85	4.4	4.26	4.15	4.18	4.25	4.56	4.48
7/22/2024	5.49	5.51	5.43	5.39	5.24	4.88	4.5	4.29	4.17	4.2	4.26	4.57	4.48
7/19/2024	5.48	5.52	5.43	5.39	5.24	4.87	4.49	4.28	4.16	4.18	4.25	4.55	4.45
7/18/2024	5.48	5.52	5.43	5.4	5.23	4.86	4.46	4.24	4.11	4.14	4.2	4.51	4.41
7/17/2024	5.47	5.5	5.43	5.4	5.23	4.85	4.42	4.19	4.07	4.09	4.16	4.46	4.37
7/16/2024	5.48	5.5	5.43	5.4	5.23	4.85	4.43	4.21	4.09	4.11	4.17	4.48	4.38
7/15/2024	5.48	5.51	5.43	5.4	5.23	4.85	4.44	4.23	4.13	4.16	4.23	4.56	4.46
7/12/2024	5.47	5.52	5.43	5.41	5.23	4.87	4.45	4.22	4.1	4.13	4.18	4.5	4.39
7/11/2024	5.48	5.53	5.44	5.41	5.25	4.91	4.5	4.26	4.13	4.15	4.2	4.51	4.41
7/10/2024	5.46	5.5	5.46	5.46	5.33	5.01	4.62	4.38	4.24	4.24	4.28	4.58	4.47
7/9/2024	5.45	5.51	5.46	5.46	5.34	5.02	4.62	4.37	4.24	4.25	4.3	4.59	4.49
7/8/2024	5.48	5.53	5.46	5.46	5.33	4.99	4.62	4.4	4.23	4.23	4.28	4.57	4.46
7/5/2024	5.48	5.53	5.46	5.46	5.34	4.98	4.6	4.39	4.22	4.23	4.28	4.57	4.47
7/3/2024	5.49	5.54	5.47	5.47	5.36	5.04	4.71	4.48	4.33	4.33	4.36	4.64	4.53
7/2/2024	5.48	5.47	5.47	5.44	5.36	5.07	4.74	4.54	4.39	4.4	4.43	4.71	4.6
7/1/2024	5.48	5.48	5.47	5.45	5.37	5.1	4.77	4.58	4.44	4.45	4.48	4.76	4.64
6/28/2024	5.47	5.47	5.48	5.45	5.33	5.09	4.71	4.52	4.33	4.33	4.36	4.61	4.51
6/27/2024	5.48	5.46	5.49	5.45	5.35	5.1	4.7	4.49	4.29	4.27	4.29	4.53	4.43
6/26/2024	5.44	5.46	5.5	5.46	5.36	5.13	4.71	4.53	4.32	4.32	4.32	4.55	4.45
6/25/2024	5.43	5.46	5.49	5.44	5.37	5.1	4.65	4.45	4.25	4.23	4.23	4.46	4.36
6/24/2024	5.42	5.46	5.5	5.45	5.37	5.1	4.71	4.46	4.27	4.25	4.25	4.48	4.38
6/21/2024	5.42	5.46	5.49	5.45	5.36	5.1	4.7	4.45	4.26	4.25	4.25	4.49	4.39
6/20/2024	5.42	5.46	5.5	5.46	5.37	5.1	4.7	4.45	4.26	4.25	4.25	4.49	4.39
6/18/2024	5.4	5.46	5.5	5.45	5.37	5.09	4.69	4.43	4.24	4.22	4.22	4.47	4.36
6/17/2024	5.45	5.47	5.52	5.46	5.39	5.11	4.75	4.5	4.3	4.28	4.28	4.52	4.4
6/14/2024	5.47	5.47	5.51	5.45	5.36	5.07	4.67	4.41	4.22	4.2	4.2	4.46	4.34
6/13/2024	5.47	5.47	5.51	5.45	5.36	5.07	4.68	4.42	4.24	4.23	4.24	4.5	4.4
6/12/2024	5.47	5.47	5.51	5.47	5.38	5.13	4.75	4.48	4.32	4.31	4.31	4.56	4.47
6/11/2024	5.46	5.47	5.52	5.46	5.39	5.17	4.81	4.57	4.41	4.4	4.39	4.62	4.53
6/10/2024	5.47	5.48	5.52	5.46	5.4	5.16	4.87	4.62	4.48	4.47	4.47	4.68	4.59
6/7/2024	5.47	5.47	5.52	5.47	5.4	5.17	4.87	4.65	4.46	4.45	4.43	4.64	4.55
6/6/2024	5.48	5.47	5.51	5.45	5.36	5.08	4.72	4.49	4.29	4.28	4.28	4.51	4.43
6/5/2024	5.48	5.48	5.51	5.46	5.37	5.08	4.72	4.5	4.31	4.29	4.29	4.52	4.44
6/4/2024	5.48	5.48	5.52	5.45	5.38	5.11	4.77	4.55	4.35	4.33	4.33	4.56	4.48
6/3/2024	5.49	5.49	5.52	5.46	5.39	5.14	4.82	4.62	4.42	4.41	4.41	4.63	4.55
5/31/2024	5.48	5.48	5.46	5.46	5.42	5.18	4.89	4.69	4.52	4.52	4.51	4.73	4.65
5/30/2024	5.48	5.48	5.46	5.48	5.42	5.19	4.92	4.74	4.57	4.57	4.55	4.76	4.69
5/29/2024	5.5	5.48	5.46	5.47	5.43	5.22	4.96	4.79	4.63	4.63	4.61	4.82	4.74
5/28/2024	5.5	5.48	5.46	5.51	5.43	5.21	4.94	4.75	4.56	4.56	4.54	4.74	4.66
5/24/2024	5.56	5.53	5.46	5.51	5.44	5.21	4.93	4.71	4.53	4.49	4.46	4.65	4.57
5/23/2024	5.51	5.48	5.46	5.51	5.44	5.2	4.91	4.71	4.52	4.5	4.47	4.67	4.58
5/22/2024	5.49	5.48	5.45	5.5	5.43	5.16	4.86	4.64	4.47	4.44	4.43	4.63	4.55
5/21/2024	5.5	5.47	5.45	5.51	5.42	5.14	4.82	4.61	4.43	4.42	4.41	4.65	4.55
5/20/2024	5.5	5.47	5.45	5.51	5.43	5.15	4.82	4.62	4.46	4.44	4.44	4.68	4.58

5/17/2024	5.5	5.47	5.46	5.5	5.41	5.14	4.83	4.6	4.44	4.43	4.42	4.66	4.56
5/16/2024	5.51	5.47	5.45	5.53	5.41	5.13	4.78	4.58	4.4	4.39	4.38	4.62	4.52
5/15/2024	5.49	5.46	5.45	5.5	5.4	5.1	4.73	4.51	4.35	4.35	4.36	4.61	4.52
5/14/2024	5.5	5.47	5.44	5.51	5.43	5.16	4.81	4.62	4.46	4.45	4.45	4.69	4.59
5/13/2024	5.5	5.47	5.45	5.51	5.43	5.16	4.85	4.66	4.5	4.49	4.48	4.72	4.63
5/10/2024	5.51	5.47	5.47	5.51	5.43	5.17	4.87	4.65	4.52	4.51	4.5	4.74	4.64
5/9/2024	5.51	5.48	5.46	5.5	5.41	5.12	4.8	4.6	4.47	4.46	4.45	4.7	4.6
5/8/2024	5.51	5.47	5.45	5.5	5.41	5.13	4.84	4.63	4.5	4.49	4.48	4.73	4.64
5/7/2024	5.51	5.48	5.45	5.51	5.41	5.13	4.82	4.6	4.48	4.47	4.47	4.7	4.61
5/6/2024	5.51	5.48	5.45	5.5	5.42	5.12	4.82	4.64	4.48	4.48	4.49	4.73	4.64
5/3/2024	5.51	5.48	5.45	5.5	5.41	5.12	4.81	4.63	4.48	4.49	4.5	4.75	4.66
5/2/2024	5.51	5.47	5.46	5.5	5.42	5.16	4.87	4.71	4.57	4.57	4.58	4.82	4.72
5/1/2024	5.47	5.5	5.46	5.51	5.43	5.21	4.96	4.79	4.64	4.64	4.63	4.85	4.74
4/30/2024	5.48	5.51	5.46	5.45	5.44	5.25	5.04	4.87	4.72	4.71	4.69	4.9	4.79
4/29/2024	5.48	5.51	5.45	5.45	5.43	5.2	4.97	4.8	4.65	4.64	4.63	4.86	4.75
4/26/2024	5.48	5.51	5.46	5.45	5.4	5.21	4.96	4.84	4.68	4.68	4.67	4.89	4.78
4/25/2024	5.48	5.51	5.47	5.46	5.41	5.21	4.96	4.85	4.7	4.71	4.7	4.93	4.82
4/24/2024	5.49	5.5	5.46	5.44	5.4	5.17	4.89	4.78	4.64	4.66	4.65	4.88	4.78
4/23/2024	5.49	5.5	5.45	5.44	5.39	5.14	4.86	4.76	4.63	4.62	4.61	4.84	4.73
4/22/2024	5.49	5.5	5.42	5.44	5.39	5.16	4.97	4.81	4.66	4.65	4.62	4.84	4.72
4/19/2024	5.49	5.51	5.45	5.44	5.39	5.17	4.97	4.81	4.66	4.65	4.62	4.83	4.72
4/18/2024	5.49	5.52	5.46	5.44	5.39	5.18	4.98	4.83	4.68	4.67	4.64	4.85	4.74
4/17/2024	5.49	5.49	5.45	5.44	5.38	5.16	4.93	4.77	4.62	4.61	4.59	4.81	4.71
4/16/2024	5.49	5.51	5.45	5.44	5.39	5.18	4.97	4.83	4.69	4.69	4.67	4.88	4.77
4/15/2024	5.49	5.51	5.45	5.44	5.38	5.16	4.93	4.78	4.65	4.65	4.63	4.85	4.74
4/12/2024	5.48	5.5	5.45	5.42	5.36	5.13	4.88	4.7	4.54	4.53	4.5	4.73	4.61
4/11/2024	5.48	5.51	5.45	5.44	5.38	5.17	4.93	4.77	4.61	4.6	4.56	4.77	4.65
4/10/2024	5.49	5.5	5.45	5.44	5.4	5.19	4.97	4.77	4.61	4.59	4.55	4.76	4.64
4/9/2024	5.48	5.49	5.43	5.41	5.34	5.03	4.74	4.52	4.37	4.38	4.36	4.6	4.5
4/8/2024	5.48	5.49	5.43	5.41	5.35	5.07	4.78	4.6	4.43	4.43	4.42	4.65	4.55
4/5/2024	5.47	5.5	5.43	5.41	5.34	5.05	4.73	4.54	4.38	4.39	4.39	4.65	4.54
4/4/2024	5.47	5.49	5.41	5.4	5.32	5	4.65	4.46	4.3	4.31	4.31	4.57	4.47
4/3/2024	5.47	5.44	5.42	5.4	5.33	5.03	4.68	4.48	4.34	4.36	4.36	4.61	4.51
4/2/2024	5.49	5.45	5.42	5.4	5.34	5.05	4.7	4.51	4.35	4.37	4.36	4.61	4.51
4/1/2024	5.49	5.47	5.44	5.41	5.36	5.06	4.72	4.51	4.34	4.33	4.33	4.58	4.47
3/28/2024	5.49	5.48	5.46	5.42	5.38	5.03	4.59	4.4	4.21	4.2	4.2	4.45	4.34
3/27/2024	5.5	5.47	5.45	5.41	5.36	4.99	4.54	4.36	4.18	4.18	4.2	4.45	4.36
3/26/2024	5.5	5.47	5.46	5.41	5.36	5	4.56	4.38	4.22	4.23	4.24	4.49	4.4
3/25/2024	5.51	5.48	5.46	5.41	5.36	5	4.54	4.39	4.23	4.25	4.25	4.51	4.42
3/22/2024	5.51	5.47	5.46	5.4	5.34	4.98	4.59	4.36	4.2	4.22	4.22	4.47	4.39
3/21/2024	5.51	5.48	5.48	5.4	5.36	5.01	4.62	4.42	4.26	4.28	4.27	4.53	4.44
3/20/2024	5.5	5.47	5.47	5.41	5.36	5.01	4.59	4.41	4.25	4.28	4.27	4.53	4.45
3/19/2024	5.52	5.48	5.48	5.41	5.39	5.06	4.68	4.47	4.31	4.31	4.3	4.54	4.44
3/18/2024	5.52	5.48	5.48	5.41	5.39	5.06	4.73	4.52	4.36	4.35	4.34	4.57	4.46
3/15/2024	5.52	5.48	5.48	5.41	5.38	5.05	4.72	4.51	4.33	4.33	4.31	4.55	4.43
3/14/2024	5.52	5.48	5.48	5.42	5.38	5.04	4.68	4.46	4.29	4.3	4.29	4.54	4.44
3/13/2024	5.52	5.47	5.48	5.41	5.37	5.01	4.61	4.37	4.19	4.2	4.19	4.45	4.35
3/12/2024	5.52	5.48	5.48	5.41	5.37	5	4.58	4.33	4.15	4.16	4.16	4.42	4.31
3/11/2024	5.5	5.47	5.48	5.41	5.35	4.95	4.51	4.26	4.08	4.09	4.1	4.36	4.26
3/8/2024	5.51	5.48	5.46	5.4	5.34	4.92	4.48	4.25	4.06	4.08	4.09	4.36	4.26
3/7/2024	5.51	5.48	5.47	5.4	5.34	4.93	4.5	4.28	4.07	4.09	4.09	4.35	4.25
3/6/2024	5.5	5.47	5.47	5.4	5.35	4.95	4.55	4.32	4.12	4.12	4.11	4.36	4.24
3/5/2024	5.5	5.47	5.47	5.4	5.35	4.94	4.54	4.32	4.13	4.15	4.13	4.39	4.27
3/4/2024	5.51	5.49	5.48	5.42	5.37	4.98	4.61	4.39	4.21	4.23	4.22	4.48	4.36
3/1/2024	5.54	5.49	5.42	5.41	5.27	4.94	4.54	4.32	4.17	4.2	4.19	4.46	4.33
2/29/2024	5.53	5.5	5.45	5.43	5.3	5.01	4.64	4.43	4.26	4.28	4.25	4.51	4.38
2/28/2024	5.5	5.51	5.45	5.43	5.31	5	4.64	4.44	4.26	4.28	4.27	4.53	4.4
2/27/2024	5.5	5.52	5.45	5.47	5.33	5.03	4.7	4.5	4.32	4.34	4.31	4.57	4.44
2/26/2024	5.5	5.52	5.47	5.47	5.34	5.03	4.69	4.48	4.29	4.32	4.28	4.53	4.4
2/23/2024	5.49	5.51	5.46	5.46	5.32	5	4.67	4.45	4.28	4.28	4.26	4.51	4.37
2/22/2024	5.49	5.51	5.45	5.45	5.32	5.02	4.69	4.49	4.33	4.35	4.33	4.58	4.47
2/21/2024	5.5	5.5	5.44	5.45	5.32	4.98	4.64	4.43	4.3	4.33	4.32	4.59	4.49
2/20/2024	5.49	5.49	5.44	5.45	5.32	4.97	4.59	4.38	4.25	4.28	4.27	4.56	4.44
2/16/2024	5.48	5.51	5.44	5.45	5.31	4.98	4.64	4.43	4.29	4.31	4.3	4.58	4.45
2/15/2024	5.49	5.51	5.43	5.45	5.3	4.93	4.56	4.36	4.22	4.25	4.24	4.54	4.42
2/14/2024	5.48	5.51	5.43	5.45	5.31	4.94	4.56	4.38	4.25	4.27	4.27	4.57	4.45
2/13/2024	5.48	5.52	5.45	5.46	5.32	4.99	4.64	4.44	4.31	4.33	4.31	4.59	4.46
2/12/2024	5.49	5.51	5.43	5.43	5.27	4.87	4.46	4.25	4.13	4.16	4.17	4.48	4.37
2/9/2024	5.49	5.51	5.44	5.43	5.26	4.86	4.48	4.25	4.14	4.17	4.17	4.48	4.37
2/8/2024	5.49	5.51	5.44	5.42	5.24	4.83	4.46	4.22	4.12	4.15	4.15	4.47	4.36
2/7/2024	5.47	5.49	5.43	5.4	5.23	4.83	4.41	4.16	4.06	4.09	4.09	4.41	4.31
2/6/2024	5.48	5.5	5.44	5.41	5.23	4.82	4.39	4.14	4.03	4.07	4.09	4.39	4.29
2/5/2024	5.49	5.5	5.42	5.42	5.25	4.87	4.46	4.27	4.13	4.16	4.17	4.46	4.35
2/2/2024	5.49	5.51	5.43	5.42	5.22	4.81	4.36	4.14	3.99	4.02	4.03	4.33	4.22
2/1/2024	5.49	5.51	5.42	5.38	5.15	4.68	4.2	3.96	3.8	3.83	3.87	4.21	4.1
1/31/2024	5.53	5.46	5.42	5.4	5.18	4.73	4.27	4.05	3.91	3.95	3.99	4.34	4.22
1/30/2024	5.53	5.47	5.42	5.38	5.19	4.8	4.36	4.14	4	4.03	4.06	4.4	4.28
1/29/2024	5.53	5.46	5.42	5.37	5.19	4.76	4.29	4.1	3.97	4.02	4.08	4.42	4.31
1/26/2024	5.54	5.45	5.44	5.39	5.19	4.78	4.34	4.15	4.04	4.1	4.15	4.49	4.38
1/25/2024	5.54	5.48	5.44	5.39	5.19	4.76	4.28	4.12	4.01	4.07	4.14	4.49	4.38
1/24/2024	5.52	5.44	5.44	5.4	5.22	4.83	4.34	4.19	4.06	4.14	4.18	4.52	4.41
1/23/2024	5.53	5.46	5.45	5.38	5.21	4.81	4.31	4.16	4.06	4.11	4.14	4.48	4.38
1/22/2024	5.53	5.47	5.46	5.39	5.22	4.83	4.37	4.14	4.03	4.07	4.11	4.44	4.32

1/19/2024	5.54	5.47	5.45	5.39	5.21	4.84	4.39	4.18	4.08	4.12	4.15	4.47	4.36
1/18/2024	5.53	5.48	5.45	5.39	5.2	4.8	4.34	4.13	4.04	4.1	4.14	4.48	4.37
1/17/2024	5.54	5.47	5.47	5.4	5.2	4.8	4.34	4.12	4.02	4.07	4.1	4.42	4.31
1/16/2024	5.54	5.47	5.45	5.37	5.18	4.7	4.22	4.02	3.95	4.01	4.07	4.43	4.3
1/12/2024	5.55	5.47	5.45	5.37	5.16	4.65	4.14	3.92	3.84	3.91	3.96	4.32	4.2
1/11/2024	5.54	5.47	5.46	5.38	5.22	4.75	4.26	4.02	3.9	3.95	3.98	4.32	4.18
1/10/2024	5.53	5.46	5.46	5.39	5.23	4.82	4.37	4.1	3.99	4.01	4.04	4.35	4.2
1/9/2024	5.53	5.46	5.47	5.38	5.24	4.82	4.36	4.09	3.97	4	4.02	4.33	4.18
1/8/2024	5.54	5.48	5.49	5.39	5.24	4.82	4.36	4.11	3.97	3.99	4.01	4.33	4.17
1/5/2024	5.54	5.48	5.47	5.41	5.24	4.84	4.4	4.17	4.02	4.04	4.05	4.37	4.21
1/4/2024	5.56	5.48	5.48	5.41	5.25	4.85	4.38	4.14	3.97	3.99	3.99	4.3	4.13
1/3/2024	5.54	5.54	5.48	5.41	5.25	4.81	4.33	4.07	3.9	3.92	3.91	4.21	4.05
1/2/2024	5.55	5.54	5.46	5.41	5.24	4.8	4.33	4.09	3.93	3.95	3.95	4.25	4.08
12/29/2023	5.6	5.59	5.4	5.41	5.26	4.79	4.23	4.01	3.84	3.88	3.88	4.2	4.03
12/28/2023	5.57	5.55	5.45	5.42	5.28	4.82	4.26	4.02	3.83	3.84	3.84	4.14	3.98
12/27/2023	5.55	5.53	5.44	5.42	5.26	4.79	4.2	3.97	3.78	3.81	3.79	4.1	3.95
12/26/2023	5.53	5.52	5.45	5.44	5.28	4.83	4.26	4.05	3.89	3.91	3.89	4.2	4.04
12/22/2023	5.54	5.52	5.44	5.45	5.31	4.82	4.31	4.04	3.87	3.92	3.9	4.21	4.05
12/21/2023	5.54	5.53	5.42	5.45	5.31	4.84	4.33	4.06	3.87	3.91	3.89	4.19	4.03
12/20/2023	5.5	5.49	5.44	5.45	5.33	4.88	4.34	4.06	3.86	3.88	3.86	4.17	3.98
12/19/2023	5.51	5.51	5.43	5.45	5.35	4.93	4.41	4.15	3.94	3.96	3.93	4.23	4.03
12/18/2023	5.52	5.52	5.46	5.47	5.36	4.95	4.43	4.15	3.94	3.97	3.95	4.23	4.05
12/15/2023	5.54	5.54	5.44	5.47	5.33	4.95	4.44	4.13	3.91	3.94	3.91	4.19	4
12/14/2023	5.54	5.54	5.43	5.45	5.31	4.9	4.37	4.09	3.9	3.93	3.92	4.21	4.03
12/13/2023	5.52	5.52	5.44	5.45	5.33	4.94	4.46	4.18	4	4.04	4.04	4.36	4.19
12/12/2023	5.53	5.53	5.46	5.48	5.41	5.14	4.73	4.42	4.23	4.24	4.2	4.48	4.3
12/11/2023	5.55	5.54	5.47	5.48	5.4	5.14	4.71	4.42	4.25	4.27	4.23	4.51	4.32
12/8/2023	5.54	5.53	5.44	5.49	5.39	5.13	4.71	4.45	4.24	4.28	4.23	4.49	4.31
12/7/2023	5.53	5.54	5.44	5.47	5.36	5.05	4.58	4.31	4.11	4.16	4.14	4.42	4.25
12/6/2023	5.54	5.5	5.45	5.47	5.38	5.07	4.6	4.33	4.12	4.16	4.12	4.4	4.22
12/5/2023	5.54	5.51	5.45	5.46	5.37	5.06	4.57	4.33	4.14	4.2	4.18	4.48	4.3
12/4/2023	5.55	5.53	5.46	5.47	5.41	5.1	4.64	4.4	4.23	4.3	4.28	4.61	4.43
12/1/2023	5.55	5.53	5.43	5.45	5.33	5.05	4.56	4.31	4.14	4.22	4.22	4.58	4.4
11/30/2023	5.56	5.54	5.45	5.49	5.38	5.16	4.73	4.48	4.31	4.38	4.37	4.72	4.54
11/29/2023	5.53	5.52	5.45	5.48	5.38	5.12	4.64	4.4	4.22	4.28	4.27	4.62	4.44
11/28/2023	5.53	5.53	5.47	5.45	5.42	5.21	4.73	4.49	4.29	4.36	4.34	4.7	4.52
11/27/2023	5.54	5.54	5.49	5.47	5.45	5.24	4.84	4.6	4.38	4.43	4.39	4.72	4.53
11/24/2023	5.55	5.56	5.54	5.48	5.45	5.27	4.92	4.67	4.49	4.51	4.47	4.79	4.6
11/22/2023	5.54	5.55	5.54	5.47	5.42	5.26	4.89	4.62	4.44	4.46	4.42	4.73	4.55
11/21/2023	5.52	5.54	5.53	5.45	5.42	5.24	4.86	4.6	4.41	4.44	4.41	4.75	4.57
11/20/2023	5.53	5.55	5.54	5.46	5.43	5.25	4.89	4.62	4.44	4.46	4.42	4.74	4.57
11/17/2023	5.52	5.54	5.5	5.42	5.39	5.24	4.88	4.64	4.45	4.47	4.44	4.8	4.59
11/16/2023	5.53	5.55	5.51	5.46	5.38	5.23	4.83	4.59	4.43	4.47	4.45	4.82	4.63
11/15/2023	5.52	5.54	5.53	5.46	5.41	5.27	4.9	4.68	4.52	4.56	4.53	4.87	4.68
11/14/2023	5.52	5.55	5.52	5.45	5.41	5.24	4.8	4.56	4.42	4.45	4.44	4.8	4.61
11/13/2023	5.53	5.55	5.55	5.49	5.48	5.37	5.02	4.8	4.66	4.69	4.63	4.95	4.75
11/10/2023	5.53	5.55	5.53	5.47	5.46	5.38	5.04	4.8	4.65	4.68	4.61	4.93	4.73
11/9/2023	5.53	5.56	5.54	5.5	5.46	5.39	5.06	4.77	4.65	4.68	4.62	4.97	4.77
11/8/2023	5.52	5.54	5.54	5.49	5.46	5.34	4.93	4.65	4.51	4.54	4.49	4.82	4.64
11/7/2023	5.53	5.56	5.55	5.48	5.47	5.33	4.91	4.64	4.53	4.58	4.58	4.91	4.75
11/6/2023	5.53	5.56	5.56	5.49	5.47	5.33	4.93	4.72	4.6	4.66	4.67	5	4.84
11/3/2023	5.53	5.56	5.53	5.5	5.45	5.29	4.83	4.62	4.49	4.55	4.57	4.93	4.77
11/2/2023	5.52	5.56	5.54	5.53	5.5	5.38	4.98	4.78	4.65	4.68	4.67	4.99	4.82
11/1/2023	5.56	5.55	5.57	5.54	5.51	5.37	4.95	4.76	4.67	4.75	4.77	5.13	4.96
10/31/2023	5.56	5.57	5.59	5.61	5.54	5.44	5.07	4.9	4.82	4.89	4.88	5.21	5.04
10/30/2023	5.56	5.57	5.6	5.61	5.53	5.41	5.03	4.87	4.8	4.88	4.88	5.21	5.04
10/27/2023	5.57	5.57	5.59	5.6	5.55	5.39	4.99	4.84	4.76	4.83	4.84	5.19	5.03
10/26/2023	5.57	5.57	5.59	5.6	5.55	5.39	5.02	4.89	4.79	4.86	4.86	5.19	5.01
10/25/2023	5.56	5.57	5.59	5.61	5.57	5.43	5.08	4.98	4.89	4.98	4.95	5.27	5.09
10/24/2023	5.57	5.57	5.58	5.6	5.57	5.41	5.02	4.91	4.82	4.86	4.83	5.15	4.96
10/23/2023	5.57	5.57	5.58	5.59	5.56	5.42	5.05	4.89	4.81	4.87	4.86	5.19	5.01
10/20/2023	5.56	5.56	5.58	5.61	5.54	5.41	5.07	4.93	4.86	4.93	4.93	5.27	5.09
10/19/2023	5.58	5.57	5.6	5.62	5.56	5.44	5.14	5.01	4.95	5	4.98	5.3	5.11
10/18/2023	5.57	5.56	5.61	5.62	5.58	5.47	5.19	5.03	4.92	4.95	4.91	5.2	5
10/17/2023	5.58	5.58	5.62	5.64	5.6	5.48	5.19	5.01	4.86	4.88	4.83	5.14	4.94
10/16/2023	5.57	5.58	5.61	5.63	5.58	5.42	5.09	4.87	4.72	4.74	4.71	5.06	4.87
10/13/2023	5.6	5.58	5.62	5.62	5.57	5.41	5.04	4.8	4.65	4.66	4.63	4.97	4.78
10/12/2023	5.61	5.59	5.63	5.63	5.58	5.43	5.06	4.82	4.69	4.73	4.7	5.05	4.86
10/11/2023	5.58	5.59	5.61	5.63	5.56	5.38	4.99	4.73	4.59	4.61	4.58	4.92	4.73
10/10/2023	5.6	5.61	5.61	5.63	5.57	5.37	4.96	4.74	4.62	4.66	4.66	5.03	4.85
10/6/2023	5.59	5.6	5.63	5.64	5.59	5.43	5.08	4.87	4.75	4.79	4.78	5.13	4.95
10/5/2023	5.57	5.59	5.61	5.62	5.56	5.39	5.03	4.82	4.68	4.73	4.72	5.06	4.89
10/4/2023	5.56	5.58	5.61	5.62	5.57	5.42	5.05	4.85	4.72	4.75	4.73	5.05	4.87
10/3/2023	5.55	5.6	5.62	5.62	5.58	5.49	5.15	4.95	4.8	4.84	4.81	5.13	4.95
10/2/2023	5.56	5.6	5.62	5.62	5.58	5.49	5.12	4.88	4.72	4.73	4.69	5	4.81
9/29/2023	5.55	5.6	5.55	5.61	5.53	5.46	5.03	4.8	4.6	4.61	4.59	4.92	4.73
9/28/2023	5.56	5.61	5.56	5.61	5.53	5.46	5.04	4.83	4.62	4.63	4.59	4.9	4.71
9/27/2023	5.54	5.59	5.58	5.62	5.53	5.49	5.1	4.89	4.67	4.69	4.61	4.91	4.73
9/26/2023	5.54	5.58	5.58	5.61	5.53	5.45	5.04	4.84	4.62	4.62	4.56	4.86	4.7
9/25/2023	5.54	5.58	5.58	5.6	5.52	5.45	5.09	4.83	4.62	4.61	4.55	4.84	4.67

9/22/2023	5.52	5.58	5.56	5.61	5.52	5.46	5.1	4.8	4.57	4.53	4.44	4.7	4.53
9/21/2023	5.52	5.57	5.57	5.61	5.52	5.46	5.12	4.85	4.61	4.57	4.49	4.74	4.56
9/20/2023	5.53	5.57	5.56	5.61	5.51	5.47	5.12	4.82	4.52	4.46	4.35	4.57	4.4
9/19/2023	5.53	5.56	5.54	5.59	5.51	5.45	5.08	4.79	4.51	4.47	4.37	4.6	4.43
9/18/2023	5.53	5.56	5.55	5.6	5.51	5.44	5.05	4.74	4.46	4.41	4.32	4.57	4.4
9/15/2023	5.51	5.56	5.56	5.6	5.49	5.43	5.02	4.72	4.45	4.41	4.33	4.59	4.42
9/14/2023	5.52	5.57	5.55	5.59	5.5	5.42	5	4.68	4.42	4.38	4.29	4.57	4.39
9/13/2023	5.53	5.56	5.55	5.6	5.51	5.42	4.96	4.64	4.39	4.34	4.25	4.52	4.34
9/12/2023	5.52	5.56	5.56	5.58	5.53	5.42	4.98	4.66	4.41	4.36	4.27	4.54	4.35
9/11/2023	5.52	5.56	5.55	5.58	5.51	5.4	4.97	4.64	4.4	4.37	4.29	4.56	4.37
9/8/2023	5.52	5.56	5.55	5.6	5.49	5.42	4.98	4.68	4.39	4.35	4.26	4.52	4.33
9/7/2023	5.52	5.56	5.53	5.59	5.5	5.4	4.94	4.66	4.38	4.35	4.27	4.55	4.36
9/6/2023	5.52	5.55	5.55	5.6	5.52	5.44	5.01	4.73	4.44	4.39	4.3	4.56	4.37
9/5/2023	5.51	5.56	5.55	5.59	5.51	5.42	4.94	4.65	4.37	4.35	4.27	4.56	4.38
9/1/2023	5.51	5.55	5.53	5.58	5.47	5.36	4.87	4.57	4.29	4.27	4.18	4.48	4.29
8/31/2023	5.52	5.55	5.56	5.61	5.48	5.37	4.85	4.54	4.23	4.19	4.09	4.39	4.2
8/30/2023	5.55	5.53	5.56	5.6	5.51	5.39	4.9	4.57	4.27	4.22	4.12	4.42	4.23
8/29/2023	5.54	5.53	5.56	5.57	5.52	5.37	4.87	4.56	4.26	4.21	4.12	4.42	4.23
8/28/2023	5.56	5.53	5.58	5.6	5.56	5.44	4.98	4.69	4.38	4.32	4.2	4.48	4.29
8/25/2023	5.56	5.53	5.61	5.59	5.61	5.44	5.03	4.72	4.44	4.37	4.25	4.5	4.3
8/24/2023	5.55	5.53	5.58	5.57	5.59	5.39	4.98	4.69	4.39	4.34	4.23	4.49	4.3
8/23/2023	5.54	5.53	5.57	5.56	5.55	5.35	4.95	4.64	4.36	4.3	4.19	4.46	4.27
8/22/2023	5.54	5.53	5.57	5.55	5.57	5.39	5.02	4.75	4.49	4.44	4.34	4.61	4.42
8/21/2023	5.55	5.53	5.57	5.55	5.58	5.37	4.97	4.7	4.46	4.42	4.34	4.64	4.45
8/18/2023	5.53	5.52	5.55	5.54	5.52	5.35	4.92	4.63	4.38	4.34	4.26	4.55	4.38
8/17/2023	5.55	5.52	5.56	5.54	5.53	5.36	4.94	4.67	4.42	4.38	4.3	4.58	4.41
8/16/2023	5.52	5.53	5.56	5.54	5.54	5.37	4.97	4.68	4.42	4.37	4.28	4.55	4.38
8/15/2023	5.53	5.52	5.56	5.51	5.55	5.36	4.92	4.64	4.36	4.31	4.21	4.49	4.32
8/14/2023	5.55	5.52	5.56	5.53	5.56	5.37	4.96	4.64	4.36	4.29	4.19	4.46	4.29
8/11/2023	5.54	5.51	5.54	5.54	5.52	5.36	4.89	4.56	4.31	4.26	4.16	4.45	4.27
8/10/2023	5.55	5.52	5.54	5.53	5.52	5.33	4.82	4.47	4.21	4.17	4.09	4.41	4.24
8/9/2023	5.51	5.52	5.55	5.34	5.54	5.35	4.79	4.41	4.12	4.07	4	4.33	4.18
8/8/2023	5.54	5.53	5.57	5.52	5.53	5.35	4.74	4.36	4.1	4.06	4.02	4.35	4.2
8/7/2023	5.54	5.51	5.56	5.53	5.53	5.3	4.76	4.44	4.16	4.13	4.09	4.42	4.27
8/4/2023	5.54	5.51	5.54	5.52	5.5	5.33	4.78	4.45	4.15	4.1	4.05	4.36	4.21
8/3/2023	5.54	5.52	5.54	5.53	5.52	5.37	4.9	4.58	4.3	4.26	4.2	4.49	4.32
8/2/2023	5.48	5.53	5.53	5.54	5.52	5.36	4.88	4.54	4.24	4.17	4.08	4.35	4.17
8/1/2023	5.49	5.54	5.54	5.57	5.54	5.38	4.92	4.57	4.24	4.15	4.05	4.3	4.11
7/31/2023	5.48	5.54	5.55	5.56	5.53	5.37	4.88	4.51	4.18	4.08	3.97	4.22	4.02
7/28/2023	5.47	5.54	5.52	5.57	5.54	5.37	4.87	4.52	4.18	4.08	3.96	4.22	4.03
7/27/2023	5.47	5.55	5.51	5.58	5.56	5.4	4.91	4.58	4.24	4.13	4.01	4.26	4.06
7/26/2023	5.46	5.53	5.51	5.57	5.55	5.37	4.82	4.47	4.09	3.99	3.86	4.12	3.94
7/25/2023	5.46	5.54	5.51	5.55	5.57	5.38	4.85	4.53	4.15	4.05	3.91	4.14	3.95
7/24/2023	5.44	5.54	5.51	5.55	5.55	5.38	4.81	4.48	4.13	4	3.86	4.11	3.92
7/21/2023	5.43	5.54	5.5	5.54	5.53	5.35	4.82	4.44	4.09	3.97	3.84	4.1	3.91
7/20/2023	5.44	5.53	5.49	5.54	5.52	5.35	4.8	4.43	4.08	3.98	3.85	4.1	3.91
7/19/2023	5.37	5.51	5.49	5.54	5.51	5.32	4.74	4.34	3.98	3.87	3.75	4.01	3.84
7/18/2023	5.37	5.5	5.49	5.53	5.51	5.32	4.74	4.35	4	3.9	3.8	4.08	3.91
7/17/2023	5.37	5.51	5.49	5.53	5.52	5.33	4.74	4.34	4.02	3.91	3.81	4.1	3.94
7/14/2023	5.37	5.49	5.49	5.53	5.52	5.34	4.74	4.35	4.04	3.94	3.83	4.11	3.93
7/13/2023	5.37	5.5	5.47	5.51	5.49	5.27	4.59	4.21	3.93	3.85	3.76	4.07	3.9
7/12/2023	5.36	5.49	5.47	5.52	5.53	5.35	4.72	4.36	4.07	3.97	3.86	4.14	3.96
7/11/2023	5.35	5.48	5.49	5.53	5.55	5.44	4.88	4.52	4.24	4.13	3.99	4.22	4.03
7/10/2023	5.34	5.47	5.48	5.53	5.54	5.38	4.85	4.54	4.25	4.14	4.01	4.24	4.05
7/7/2023	5.32	5.47	5.46	5.52	5.53	5.41	4.94	4.64	4.35	4.23	4.06	4.27	4.05
7/6/2023	5.32	5.47	5.46	5.52	5.54	5.44	4.99	4.68	4.37	4.22	4.05	4.23	4.01
7/5/2023	5.28	5.38	5.44	5.51	5.52	5.4	4.94	4.59	4.25	4.11	3.95	4.17	3.95
7/3/2023	5.27	5.4	5.44	5.52	5.53	5.43	4.94	4.56	4.19	4.03	3.86	4.08	3.87
6/30/2023	5.24	5.39	5.43	5.5	5.47	5.4	4.87	4.49	4.13	3.97	3.81	4.06	3.85
6/29/2023	5.25	5.4	5.46	5.51	5.5	5.41	4.87	4.49	4.14	3.99	3.85	4.11	3.92
6/28/2023	5.17	5.32	5.44	5.49	5.47	5.32	4.71	4.32	3.97	3.83	3.71	4	3.81
6/27/2023	5.17	5.31	5.44	5.44	5.46	5.33	4.74	4.38	4.02	3.9	3.77	4.03	3.84
6/26/2023	5.17	5.31	5.5	5.44	5.45	5.27	4.65	4.3	3.96	3.85	3.72	4.01	3.83
6/23/2023	5.17	5.3	5.41	5.44	5.41	5.25	4.71	4.32	3.99	3.88	3.74	4.01	3.82
6/22/2023	5.18	5.31	5.4	5.44	5.41	5.29	4.77	4.37	4.03	3.92	3.8	4.06	3.88
6/21/2023	5.16	5.27	5.4	5.44	5.41	5.25	4.68	4.29	3.95	3.84	3.72	3.99	3.81
6/20/2023	5.17	5.26	5.39	5.39	5.41	5.24	4.68	4.29	3.96	3.85	3.74	4.01	3.83
6/16/2023	5.18	5.27	5.34	5.38	5.35	5.24	4.7	4.32	3.99	3.88	3.77	4.05	3.86
6/15/2023	5.18	5.25	5.33	5.37	5.33	5.21	4.62	4.23	3.91	3.82	3.72	4.02	3.85
6/14/2023	5.18	5.25	5.36	5.37	5.36	5.27	4.74	4.37	4.06	3.95	3.83	4.09	3.9
6/13/2023	5.19	5.24	5.36	5.37	5.36	5.26	4.67	4.3	4.01	3.94	3.84	4.12	3.94
6/12/2023	5.24	5.31	5.4	5.43	5.38	5.18	4.55	4.16	3.89	3.82	3.73	4.04	3.87
6/9/2023	5.25	5.32	5.37	5.45	5.39	5.17	4.59	4.23	3.92	3.84	3.75	4.05	3.89
6/8/2023	5.25	5.29	5.38	5.42	5.39	5.12	4.52	4.17	3.87	3.8	3.73	4.05	3.89
6/7/2023	5.07	5.26	5.42	5.42	5.43	5.16	4.56	4.21	3.93	3.88	3.79	4.12	3.95
6/6/2023	5.15	5.26	5.44	5.44	5.44	5.2	4.51	4.15	3.85	3.78	3.7	4.02	3.87
6/5/2023	5.25	5.35	5.46	5.47	5.46	5.17	4.46	4.1	3.82	3.77	3.69	4.03	3.89
6/2/2023	5.28	5.39	5.5	5.52	5.5	5.22	4.5	4.13	3.84	3.78	3.69	4.03	3.88
6/1/2023	5.3	5.39	5.5	5.5	5.44	5.11	4.33	3.98	3.7	3.66	3.61	3.98	3.84

5/31/2023	5.28	5.37	5.52	5.53	5.46	5.18	4.4	4.04	3.74	3.69	3.64	4.01	3.85
5/30/2023	5.31	5.31	5.55	5.54	5.52	5.22	4.46	4.1	3.81	3.75	3.69	4.06	3.9
5/26/2023	6.02	5.47	5.34	5.55	5.44	5.25	4.54	4.23	3.92	3.86	3.8	4.13	3.96
5/25/2023	5.95	5.44	5.38	5.55	5.46	5.24	4.5	4.21	3.9	3.86	3.83	4.16	4.01
5/24/2023	5.73	5.22	5.37	5.52	5.42	5.12	4.31	4.04	3.75	3.76	3.73	4.1	3.97
5/23/2023	5.67	5.26	5.34	5.42	5.39	5.06	4.26	3.99	3.76	3.73	3.7	4.08	3.96
5/22/2023	5.69	5.35	5.4	5.5	5.43	5.07	4.29	3.98	3.77	3.74	3.72	4.09	3.97
5/19/2023	5.62	5.27	5.29	5.46	5.36	5.02	4.28	3.98	3.76	3.74	3.7	4.07	3.95
5/18/2023	5.59	5.22	5.31	5.43	5.38	5.02	4.24	3.94	3.69	3.67	3.65	4.02	3.91
5/17/2023	5.5	5.06	5.26	5.36	5.3	4.92	4.12	3.8	3.58	3.58	3.57	3.96	3.88
5/16/2023	5.58	4.98	5.23	5.24	5.26	4.88	4.06	3.74	3.52	3.53	3.54	3.96	3.87
5/15/2023	5.64	4.97	5.21	5.26	5.24	4.73	3.99	3.67	3.46	3.48	3.5	3.92	3.84
5/12/2023	5.79	4.87	5.25	5.27	5.16	4.75	3.98	3.65	3.45	3.45	3.46	3.87	3.78
5/11/2023	5.81	4.82	5.2	5.23	5.14	4.7	3.89	3.56	3.36	3.37	3.39	3.82	3.73
5/10/2023	5.5	4.99	5.24	5.24	5.13	4.7	3.9	3.55	3.37	3.4	3.43	3.88	3.8
5/9/2023	5.56	5.16	5.29	5.27	5.18	4.81	4.01	3.67	3.51	3.51	3.53	3.94	3.85
5/8/2023	5.51	5.17	5.31	5.26	5.14	4.79	4	3.7	3.49	3.5	3.52	3.92	3.84
5/5/2023	5.59	5.23	5.26	5.26	5.13	4.73	3.92	3.63	3.41	3.41	3.44	3.85	3.76
5/4/2023	5.76	5.24	5.26	5.23	5.04	4.59	3.75	3.47	3.29	3.32	3.37	3.8	3.73
5/3/2023	4.7	5.33	5.26	5.25	5.08	4.7	3.89	3.58	3.37	3.37	3.38	3.79	3.7
5/2/2023	4.56	5.33	5.24	5.19	5.06	4.74	3.97	3.67	3.46	3.44	3.44	3.82	3.72
5/1/2023	4.49	5.17	5.27	5.22	5.14	4.86	4.14	3.85	3.64	3.62	3.59	3.95	3.84
4/28/2023	4.35	5.14	5.1	5.2	5.06	4.8	4.04	3.75	3.51	3.49	3.44	3.8	3.67
4/27/2023	4.27	5.13	5.18	5.21	5.05	4.78	4.07	3.82	3.6	3.57	3.53	3.88	3.76
4/26/2023	3.91	5.07	5.16	5.17	5	4.64	3.9	3.65	3.46	3.45	3.43	3.81	3.7
4/25/2023	4.11	5.05	5.12	5.11	4.98	4.6	3.86	3.62	3.43	3.42	3.4	3.77	3.65
4/24/2023	3.54	5.09	5.2	5.15	5.06	4.76	4.12	3.84	3.6	3.56	3.52	3.85	3.73
4/21/2023	3.36	4.98	5.14	5.19	5.07	4.78	4.17	3.89	3.66	3.62	3.57	3.9	3.78
4/20/2023	3.4	5.04	5.12	5.17	5.06	4.77	4.14	3.87	3.63	3.59	3.54	3.87	3.75
4/19/2023	3.95	5.03	5.16	5.22	5.1	4.84	4.24	3.97	3.71	3.66	3.6	3.9	3.79
4/18/2023	3.89	5.04	5.2	5.19	5.09	4.81	4.19	3.92	3.69	3.63	3.58	3.91	3.79
4/17/2023	4.09	5.04	5.21	5.24	5.07	4.8	4.18	3.92	3.69	3.64	3.6	3.92	3.81
4/14/2023	4.29	4.98	5.14	5.16	5.03	4.77	4.08	3.83	3.6	3.56	3.52	3.85	3.74
4/13/2023	4.08	4.96	5.1	5.1	4.95	4.66	3.96	3.7	3.51	3.48	3.45	3.8	3.69
4/12/2023	4.27	4.89	5.02	5.1	4.98	4.64	3.95	3.68	3.46	3.43	3.41	3.75	3.64
4/11/2023	4.27	4.89	5.04	5.06	4.99	4.67	4.03	3.76	3.54	3.48	3.43	3.75	3.62
4/10/2023	4.53	4.89	5.08	5.08	4.98	4.65	4	3.75	3.52	3.47	3.41	3.74	3.62
4/7/2023	4.56	4.9	4.95	5.07	4.95	4.61	3.97	3.72	3.49	3.45	3.39	3.73	3.61
4/6/2023	4.57	4.85	4.91	4.98	4.93	4.51	3.82	3.59	3.37	3.34	3.3	3.66	3.54
4/5/2023	4.62	4.77	4.86	4.9	4.82	4.43	3.79	3.55	3.36	3.34	3.3	3.67	3.56
4/4/2023	4.66	4.8	4.88	4.9	4.8	4.5	3.84	3.6	3.39	3.38	3.35	3.72	3.6
4/3/2023	4.7	4.79	4.9	4.98	4.88	4.6	3.97	3.73	3.52	3.48	3.43	3.78	3.64
3/31/2023	4.74	4.79	4.85	4.97	4.94	4.64	4.06	3.81	3.6	3.55	3.48	3.81	3.67
3/30/2023	4.74	4.77	4.97	4.94	4.92	4.63	4.1	3.87	3.66	3.61	3.55	3.88	3.74
3/29/2023	4.34	4.5	4.8	4.91	4.92	4.59	4.08	3.87	3.67	3.62	3.57	3.91	3.78
3/28/2023	4.24	4.39	4.8	4.86	4.9	4.55	4.02	3.84	3.63	3.6	3.55	3.9	3.77
3/27/2023	4.22	4.47	4.91	4.9	4.86	4.51	3.94	3.79	3.59	3.57	3.53	3.9	3.77
3/24/2023	4.28	4.48	4.74	4.78	4.76	4.32	3.76	3.58	3.41	3.4	3.38	3.77	3.64
3/23/2023	4.26	4.48	4.73	4.84	4.8	4.38	3.76	3.57	3.39	3.39	3.38	3.78	3.66
3/22/2023	4.16	4.56	4.79	4.91	4.95	4.56	3.96	3.76	3.54	3.53	3.48	3.83	3.68
3/21/2023	4.07	4.5	4.78	4.89	4.96	4.68	4.17	3.98	3.73	3.68	3.59	3.9	3.73
3/20/2023	4.34	4.56	4.81	4.84	4.8	4.34	3.92	3.77	3.56	3.55	3.47	3.83	3.65
3/17/2023	4.31	4.51	4.52	4.79	4.71	4.26	3.81	3.68	3.44	3.45	3.39	3.76	3.6
3/16/2023	4.22	4.66	4.74	4.92	4.94	4.49	4.14	3.99	3.72	3.67	3.56	3.87	3.71
3/15/2023	4.23	4.56	4.75	4.85	4.73	4.19	3.93	3.83	3.59	3.57	3.51	3.82	3.7
3/14/2023	4.47	4.77	4.88	4.95	4.93	4.45	4.2	4.05	3.78	3.74	3.64	3.91	3.77
3/13/2023	4.62	4.81	4.87	4.87	4.81	4.3	4.03	3.88	3.68	3.65	3.55	3.85	3.7
3/10/2023	4.81	4.91	5.01	5.08	5.17	4.9	4.6	4.31	3.96	3.86	3.7	3.9	3.7
3/9/2023	4.83	4.96	5.05	5.19	5.32	5.18	4.9	4.56	4.22	4.1	3.93	4.09	3.88
3/8/2023	4.77	4.88	5.06	5.21	5.34	5.25	5.05	4.71	4.34	4.19	3.98	4.11	3.88
3/7/2023	4.8	4.88	5.04	5.12	5.32	5.22	5	4.66	4.31	4.17	3.97	4.11	3.88
3/6/2023	4.75	4.79	4.93	5.02	5.22	5.05	4.89	4.61	4.27	4.16	3.98	4.14	3.92
3/3/2023	4.75	4.79	4.91	5.01	5.18	5.03	4.86	4.6	4.26	4.15	3.97	4.12	3.9
3/2/2023	4.75	4.8	4.91	5.02	5.18	5.04	4.89	4.63	4.32	4.24	4.08	4.24	4.03
3/1/2023	4.67	4.82	4.9	5.02	5.2	5.06	4.89	4.61	4.27	4.17	4.01	4.17	3.97
2/28/2023	4.65	4.81	4.88	5	5.17	5.02	4.81	4.51	4.18	4.07	3.92	4.1	3.93
2/27/2023	4.67	4.83	4.89	5.02	5.18	5.03	4.78	4.49	4.17	4.08	3.92	4.11	3.93
2/24/2023	4.68	4.83	4.86	5.02	5.06	5.05	4.78	4.52	4.19	4.1	3.95	4.11	3.93
2/23/2023	4.66	4.83	4.84	5	5.05	5.03	4.66	4.4	4.09	4.02	3.88	4.04	3.88
2/22/2023	4.62	4.81	4.84	5	5.08	5.07	4.66	4.43	4.13	4.07	3.93	4.09	3.94
2/21/2023	4.63	4.83	4.86	4.98	5.07	5.07	4.67	4.44	4.16	4.08	3.95	4.12	3.98
2/17/2023	4.64	4.81	4.84	4.95	4.99	5	4.6	4.33	4.03	3.95	3.82	4.01	3.88
2/16/2023	4.66	4.8	4.84	4.95	4.98	4.99	4.62	4.35	4.06	3.98	3.86	4.05	3.92
2/15/2023	4.64	4.79	4.79	4.94	4.97	4.96	4.62	4.35	4.04	3.94	3.81	3.97	3.85
2/14/2023	4.63	4.78	4.8	4.91	4.98	4.99	4.6	4.32	4	3.9	3.77	3.94	3.81
2/13/2023	4.66	4.78	4.81	4.9	4.99	4.91	4.52	4.22	3.93	3.84	3.72	3.92	3.79
2/10/2023	4.66	4.77	4.79	4.89	4.89	4.89	4.5	4.19	3.93	3.86	3.74	3.96	3.83
2/9/2023	4.66	4.77	4.77	4.87	4.9	4.88	4.48	4.15	3.87	3.79	3.67	3.9	3.75
2/8/2023	4.64	4.69	4.72	4.85	4.88	4.87	4.45	4.08	3.82	3.75	3.63	3.86	3.7

2/7/2023	4.62	4.68	4.71	4.8	4.89	4.88	4.47	4.11	3.85	3.78	3.67	3.87	3.72
2/6/2023	4.61	4.67	4.71	4.81	4.89	4.85	4.44	4.1	3.81	3.73	3.63	3.82	3.67
2/3/2023	4.61	4.67	4.7	4.8	4.82	4.79	4.3	3.96	3.67	3.61	3.53	3.77	3.63
2/2/2023	4.62	4.65	4.66	4.75	4.76	4.64	4.09	3.75	3.49	3.44	3.4	3.67	3.55
2/1/2023	4.59	4.63	4.66	4.77	4.79	4.66	4.09	3.75	3.48	3.43	3.39	3.67	3.55
1/31/2023	4.58	4.64	4.7	4.74	4.8	4.68	4.21	3.9	3.63	3.59	3.52	3.78	3.65
1/30/2023	4.6	4.64	4.72	4.76	4.82	4.71	4.25	3.96	3.68	3.62	3.55	3.79	3.66
1/27/2023	4.61	4.64	4.73	4.76	4.81	4.68	4.19	3.9	3.62	3.58	3.52	3.77	3.64
1/26/2023	4.61	4.65	4.71	4.76	4.79	4.68	4.17	3.88	3.58	3.54	3.49	3.75	3.62
1/25/2023	4.67	4.65	4.72	4.75	4.79	4.67	4.11	3.84	3.54	3.51	3.46	3.74	3.62
1/24/2023	4.7	4.67	4.72	4.75	4.84	4.7	4.12	3.86	3.58	3.52	3.46	3.73	3.62
1/23/2023	4.69	4.65	4.73	4.76	4.82	4.7	4.21	3.88	3.61	3.56	3.52	3.8	3.69
1/20/2023	4.69	4.64	4.72	4.75	4.8	4.68	4.14	3.83	3.56	3.51	3.48	3.77	3.66
1/19/2023	4.69	4.66	4.71	4.74	4.79	4.65	4.09	3.76	3.48	3.43	3.39	3.69	3.57
1/18/2023	4.59	4.62	4.69	4.74	4.79	4.63	4.06	3.72	3.43	3.4	3.37	3.65	3.54
1/17/2023	4.6	4.63	4.71	4.74	4.82	4.67	4.18	3.86	3.6	3.57	3.53	3.81	3.64
1/13/2023	4.58	4.59	4.67	4.73	4.77	4.69	4.22	3.88	3.6	3.55	3.49	3.79	3.61
1/12/2023	4.57	4.59	4.66	4.74	4.76	4.66	4.12	3.79	3.53	3.48	3.43	3.73	3.56
1/11/2023	4.42	4.62	4.72	4.82	4.84	4.73	4.2	3.9	3.66	3.61	3.54	3.84	3.67
1/10/2023	4.41	4.62	4.73	4.77	4.85	4.74	4.24	3.94	3.72	3.67	3.61	3.91	3.74
1/9/2023	4.37	4.58	4.7	4.74	4.83	4.69	4.19	3.93	3.66	3.6	3.53	3.83	3.66
1/6/2023	4.32	4.55	4.67	4.74	4.79	4.71	4.24	3.96	3.69	3.63	3.55	3.84	3.67
1/5/2023	4.3	4.55	4.66	4.75	4.81	4.78	4.45	4.18	3.9	3.82	3.71	3.96	3.78
1/4/2023	4.2	4.42	4.55	4.69	4.77	4.71	4.36	4.11	3.85	3.79	3.69	3.97	3.81
1/3/2023	4.17	4.42	4.53	4.7	4.77	4.72	4.4	4.18	3.94	3.89	3.79	4.06	3.88
12/30/2022	4.12	4.41	4.42	4.69	4.76	4.73	4.41	4.22	3.99	3.96	3.88	4.14	3.97
12/29/2022	4.04	4.39	4.45	4.66	4.73	4.71	4.34	4.16	3.94	3.91	3.83	4.09	3.92
12/28/2022	3.86	4.33	4.46	4.66	4.75	4.71	4.31	4.18	3.97	3.97	3.88	4.13	3.98
12/27/2022	3.87	4.32	4.46	4.66	4.76	4.75	4.32	4.17	3.94	3.93	3.84	4.1	3.93
12/23/2022	3.8	4.2	4.34	4.59	4.67	4.66	4.31	4.09	3.86	3.83	3.75	3.99	3.82
12/22/2022	3.8	4.2	4.35	4.57	4.66	4.64	4.24	4.02	3.79	3.77	3.67	3.91	3.73
12/21/2022	3.9	4.23	4.33	4.57	4.67	4.6	4.21	4	3.78	3.77	3.68	3.93	3.74
12/20/2022	3.89	4.23	4.35	4.55	4.7	4.64	4.25	4.03	3.79	3.78	3.69	3.94	3.74
12/19/2022	3.95	4.24	4.37	4.57	4.71	4.64	4.25	3.99	3.7	3.67	3.57	3.82	3.62
12/16/2022	3.94	4.22	4.31	4.54	4.68	4.61	4.17	3.91	3.61	3.58	3.48	3.73	3.53
12/15/2022	3.95	4.24	4.34	4.56	4.7	4.65	4.23	3.96	3.62	3.56	3.44	3.69	3.48
12/14/2022	3.91	4.14	4.33	4.58	4.68	4.64	4.23	3.94	3.64	3.59	3.49	3.74	3.52
12/13/2022	3.89	4.16	4.35	4.58	4.7	4.64	4.22	3.96	3.66	3.6	3.51	3.74	3.53
12/12/2022	3.86	4.18	4.38	4.6	4.78	4.75	4.39	4.1	3.8	3.73	3.61	3.84	3.57
12/9/2022	3.81	4.13	4.31	4.54	4.72	4.72	4.33	4.07	3.75	3.69	3.57	3.82	3.56
12/8/2022	3.75	4.11	4.28	4.53	4.71	4.71	4.31	4.04	3.71	3.63	3.48	3.71	3.44
12/7/2022	3.79	4.1	4.29	4.53	4.72	4.67	4.26	3.97	3.62	3.54	3.42	3.66	3.42
12/6/2022	3.87	4.19	4.37	4.54	4.74	4.73	4.34	4.07	3.73	3.64	3.51	3.77	3.52
12/5/2022	3.93	4.25	4.36	4.56	4.73	4.77	4.41	4.13	3.8	3.72	3.6	3.84	3.62
12/2/2022	3.91	4.25	4.34	4.52	4.65	4.69	4.28	3.99	3.67	3.61	3.51	3.79	3.56
12/1/2022	4.04	4.24	4.33	4.52	4.65	4.66	4.25	3.98	3.68	3.62	3.53	3.85	3.64
11/30/2022	4.07	4.25	4.37	4.55	4.7	4.74	4.38	4.13	3.82	3.76	3.68	4	3.8
11/29/2022	4.08	4.26	4.38	4.51	4.72	4.78	4.48	4.24	3.92	3.85	3.75	4.02	3.81
11/28/2022	4.11	4.29	4.41	4.52	4.72	4.76	4.46	4.22	3.88	3.8	3.69	3.97	3.74
11/25/2022	4.16	4.33	4.41	4.52	4.67	4.76	4.42	4.2	3.85	3.78	3.68	3.97	3.74
11/23/2022	4.12	4.29	4.4	4.5	4.67	4.75	4.46	4.23	3.88	3.81	3.71	3.97	3.74
11/22/2022	3.97	4.26	4.4	4.49	4.68	4.79	4.47	4.27	3.93	3.86	3.76	4.05	3.83
11/21/2022	3.97	4.24	4.41	4.47	4.65	4.75	4.48	4.32	3.97	3.94	3.83	4.14	3.91
11/18/2022	3.93	4.23	4.34	4.46	4.61	4.74	4.51	4.28	3.99	3.92	3.82	4.13	3.92
11/17/2022	3.93	4.2	4.32	4.44	4.57	4.68	4.43	4.22	3.93	3.87	3.77	4.1	3.89
11/16/2022	3.81	4.15	4.32	4.43	4.54	4.62	4.35	4.13	3.83	3.77	3.67	4.03	3.85
11/15/2022	3.77	4.1	4.31	4.4	4.54	4.6	4.37	4.17	3.93	3.88	3.8	4.2	3.98
11/14/2022	3.72	4.05	4.34	4.38	4.55	4.63	4.4	4.24	4	3.95	3.88	4.28	4.07
11/10/2022	3.71	4	4.28	4.36	4.52	4.59	4.34	4.17	3.95	3.89	3.82	4.24	4.03
11/9/2022	3.65	4.05	4.29	4.4	4.59	4.75	4.61	4.49	4.27	4.2	4.12	4.5	4.31
11/8/2022	3.66	4.04	4.28	4.39	4.6	4.77	4.67	4.55	4.31	4.22	4.14	4.47	4.28
11/7/2022	3.78	4.04	4.29	4.39	4.62	4.8	4.72	4.63	4.39	4.31	4.22	4.55	4.34
11/4/2022	3.73	4	4.21	4.36	4.55	4.76	4.66	4.58	4.33	4.26	4.17	4.49	4.27
11/3/2022	3.75	4.04	4.25	4.38	4.57	4.78	4.71	4.63	4.36	4.26	4.14	4.42	4.18
11/2/2022	3.7	4.01	4.22	4.38	4.57	4.76	4.61	4.54	4.3	4.2	4.1	4.41	4.15
11/1/2022	3.72	4	4.23	4.35	4.58	4.75	4.54	4.48	4.27	4.18	4.07	4.37	4.14
10/31/2022	3.73	4	4.22	4.33	4.57	4.66	4.51	4.45	4.27	4.18	4.1	4.44	4.22
10/28/2022	3.75	3.95	4.18	4.3	4.51	4.55	4.41	4.38	4.19	4.1	4.02	4.38	4.15
10/27/2022	3.76	3.95	4.13	4.27	4.44	4.5	4.3	4.29	4.09	4.01	3.96	4.32	4.12
10/26/2022	3.54	3.85	4.11	4.27	4.47	4.54	4.39	4.41	4.2	4.12	4.04	4.38	4.19
10/25/2022	3.56	3.81	4.14	4.32	4.5	4.6	4.42	4.45	4.25	4.17	4.1	4.45	4.26
10/24/2022	3.57	3.83	4.16	4.33	4.52	4.61	4.5	4.52	4.36	4.31	4.25	4.59	4.4
10/21/2022	3.55	3.78	4.09	4.31	4.43	4.58	4.49	4.52	4.34	4.28	4.21	4.54	4.33
10/20/2022	3.58	3.83	4.09	4.33	4.48	4.66	4.62	4.66	4.45	4.36	4.24	4.47	4.24
10/19/2022	3.31	3.72	4.07	4.32	4.45	4.6	4.55	4.56	4.35	4.26	4.14	4.38	4.15
10/18/2022	3.25	3.7	4.04	4.39	4.5	4.43	4.43	4.43	4.21	4.12	4.01	4.27	4.04
10/17/2022	3.3	3.66	3.97	4.38	4.5	4.45	4.45	4.45	4.24	4.15	4.02	4.29	4.04
10/14/2022	3.3	3.61	3.81	4.31	4.5	4.48	4.47	4.47	4.25	4.15	4	4.26	3.99
10/13/2022	3.35	3.6	3.79	4.3	4.46	4.47	4.44	4.44	4.21	4.11	3.97	4.25	3.97

10/12/2022	3.07	3.45	3.7	4.16	4.28	4.28	4.29	4.12	4.03	3.91	4.18	3.9
10/11/2022	3.07	3.43	3.67	4.17	4.28	4.3	4.31	4.14	4.06	3.93	4.19	3.92
10/7/2022	3.03	3.34	3.45	4.09	4.24	4.3	4.33	4.14	4.03	3.89	4.13	3.86
10/6/2022	3.05	3.34	3.46	4.04	4.19	4.23	4.24	4.05	3.95	3.83	4.08	3.81
10/5/2022	2.89	3.22	3.46	4	4.14	4.15	4.17	3.96	3.87	3.76	4.05	3.78
10/4/2022	2.91	3.23	3.45	3.98	4.15	4.1	4.08	3.84	3.73	3.62	3.95	3.7
10/3/2022	2.87	3.26	3.46	3.97	4.01	4.12	4.12	3.9	3.79	3.67	4	3.73
9/30/2022	2.79	3.2	3.33	3.92	4.05	4.22	4.25	4.06	3.97	3.83	4.08	3.79
9/29/2022	2.78	3.2	3.36	3.87	3.98	4.16	4.19	3.98	3.89	3.76	4	3.71
9/28/2022	2.63	3.14	3.4	3.87	3.99	4.07	4.12	3.92	3.83	3.72	3.98	3.7
9/27/2022	2.71	3.14	3.35	3.91	4.16	4.3	4.39	4.21	4.14	3.97	4.15	3.87
9/26/2022	2.73	3.14	3.39	3.95	4.17	4.27	4.37	4.15	4.06	3.88	4.01	3.72
9/23/2022	2.67	3.07	3.24	3.85	4.15	4.2	4.21	3.96	3.85	3.69	3.87	3.61
9/22/2022	2.73	3.09	3.29	3.87	4.08	4.11	4.12	3.91	3.84	3.7	3.9	3.65
9/21/2022	2.59	3.06	3.31	3.86	4.08	4.02	3.98	3.74	3.65	3.51	3.73	3.5
9/20/2022	2.57	3.05	3.35	3.86	4.03	3.96	3.94	3.75	3.69	3.57	3.83	3.59
9/19/2022	2.62	3.02	3.37	3.87	4.05	3.95	3.9	3.69	3.62	3.49	3.77	3.52
9/16/2022	2.68	3.01	3.2	3.77	3.96	3.85	3.81	3.62	3.56	3.45	3.79	3.52
9/15/2022	2.76	3.03	3.22	3.78	4	3.87	3.85	3.66	3.59	3.45	3.75	3.48
9/14/2022	2.54	2.95	3.24	3.76	3.95	3.78	3.79	3.6	3.52	3.41	3.73	3.47
9/13/2022	2.55	2.95	3.28	3.75	3.92	3.75	3.75	3.58	3.53	3.42	3.75	3.51
9/12/2022	2.62	2.93	3.17	3.56	3.7	3.58	3.6	3.47	3.45	3.37	3.76	3.53
9/9/2022	2.57	2.88	3.08	3.52	3.67	3.56	3.61	3.45	3.42	3.33	3.71	3.47
9/8/2022	2.57	2.86	3.06	3.44	3.6	3.48	3.54	3.39	3.37	3.29	3.69	3.45
9/7/2022	2.3	2.8	3.07	3.42	3.6	3.45	3.5	3.37	3.35	3.27	3.67	3.42
9/6/2022	2.44	2.82	3.04	3.4	3.61	3.5	3.55	3.43	3.41	3.33	3.74	3.49
9/2/2022	2.49	2.79	2.94	3.33	3.47	3.4	3.44	3.3	3.29	3.2	3.61	3.35
9/1/2022	2.53	2.8	2.97	3.34	3.51	3.51	3.54	3.39	3.36	3.26	3.64	3.37
8/31/2022	2.4	2.72	2.96	3.32	3.5	3.45	3.46	3.3	3.25	3.15	3.53	3.27
8/30/2022	2.43	2.73	2.97	3.31	3.48	3.46	3.47	3.27	3.22	3.11	3.49	3.23
8/29/2022	2.45	2.75	2.97	3.32	3.43	3.42	3.45	3.27	3.21	3.12	3.5	3.25
8/26/2022	2.39	2.69	2.89	3.26	3.36	3.37	3.4	3.2	3.14	3.04	3.44	3.21
8/25/2022	2.42	2.7	2.88	3.25	3.33	3.35	3.37	3.15	3.11	3.03	3.47	3.25
8/24/2022	2.29	2.62	2.82	3.28	3.35	3.36	3.4	3.2	3.2	3.11	3.55	3.32
8/23/2022	2.28	2.6	2.8	3.21	3.29	3.29	3.35	3.18	3.14	3.05	3.49	3.26
8/22/2022	2.27	2.6	2.82	3.23	3.32	3.32	3.36	3.17	3.12	3.03	3.48	3.24
8/19/2022	2.23	2.6	2.74	3.16	3.26	3.25	3.28	3.11	3.06	2.98	3.44	3.22
8/18/2022	2.23	2.56	2.71	3.12	3.24	3.22	3.23	3.02	2.97	2.88	3.35	3.14
8/17/2022	2.22	2.51	2.68	3.15	3.27	3.28	3.27	3.04	2.99	2.89	3.37	3.15
8/16/2022	2.26	2.51	2.7	3.12	3.26	3.25	3.19	2.95	2.9	2.82	3.31	3.11
8/15/2022	2.27	2.53	2.72	3.13	3.23	3.2	3.14	2.91	2.86	2.79	3.31	3.1
8/12/2022	2.23	2.5	2.63	3.13	3.26	3.25	3.18	2.97	2.92	2.84	3.34	3.12
8/11/2022	2.24	2.51	2.62	3.08	3.25	3.23	3.16	2.98	2.94	2.87	3.38	3.15
8/10/2022	2.24	2.43	2.65	3.13	3.26	3.23	3.13	2.93	2.86	2.78	3.27	3.04
8/9/2022	2.23	2.43	2.67	3.16	3.33	3.28	3.2	2.97	2.89	2.8	3.24	3.01
8/8/2022	2.23	2.43	2.65	3.15	3.3	3.21	3.14	2.91	2.85	2.77	3.22	3
8/5/2022	2.21	2.39	2.58	3.1	3.29	3.24	3.18	2.97	2.91	2.83	3.27	3.06
8/4/2022	2.19	2.36	2.5	2.98	3.11	3.03	2.95	2.76	2.73	2.68	3.15	2.97
8/3/2022	2.2	2.29	2.52	3	3.14	3.1	3.04	2.86	2.81	2.73	3.17	2.96
8/2/2022	2.22	2.33	2.56	3	3.09	3.06	3.02	2.85	2.82	2.75	3.22	3
8/1/2022	2.22	2.33	2.56	2.96	2.98	2.9	2.82	2.66	2.64	2.6	3.12	2.92
7/29/2022	2.22	2.28	2.41	2.91	2.98	2.89	2.83	2.7	2.7	2.67	3.2	3
7/28/2022	2.2	2.3	2.42	2.9	2.93	2.85	2.81	2.69	2.69	2.68	3.23	3.02
7/27/2022	2.14	2.3	2.44	2.93	3	2.96	2.93	2.82	2.83	2.78	3.26	3.03
7/26/2022	2.17	2.35	2.55	3.01	3.06	3.02	3.01	2.89	2.88	2.81	3.27	3.03
7/25/2022	2.14	2.31	2.62	3.06	3.07	3	2.98	2.89	2.89	2.81	3.28	3.04
7/22/2022	2.15	2.29	2.49	2.97	3.01	2.98	2.93	2.87	2.85	2.77	3.23	3
7/21/2022	2.15	2.3	2.48	3	3.11	3.1	3.07	3	2.99	2.91	3.33	3.08
7/20/2022	1.92	2.29	2.51	3.04	3.18	3.25	3.25	3.18	3.15	3.04	3.43	3.17
7/19/2022	1.93	2.29	2.52	3.06	3.18	3.23	3.22	3.14	3.11	3.01	3.42	3.17
7/18/2022	1.96	2.28	2.5	3.02	3.13	3.15	3.15	3.06	3.05	2.96	3.39	3.14
7/15/2022	1.98	2.26	2.37	2.94	3.12	3.13	3.14	3.05	3.03	2.93	3.34	3.1
7/14/2022	1.99	2.32	2.4	2.93	3.16	3.15	3.16	3.06	3.05	2.96	3.36	3.11
7/13/2022	1.78	2.2	2.39	2.96	3.21	3.13	3.14	3.02	3	2.91	3.35	3.08
7/12/2022	1.63	2.01	2.22	2.78	3.07	3.03	3.07	3.01	3.01	2.96	3.37	3.13
7/11/2022	1.58	1.95	2.18	2.79	2.97	3.07	3.09	3.05	3.06	2.99	3.43	3.18
7/8/2022	1.57	1.92	1.98	2.68	2.96	3.12	3.14	3.13	3.16	3.09	3.53	3.27
7/7/2022	1.55	1.9	1.95	2.64	2.87	3.03	3.05	3.05	3.07	3.01	3.45	3.2
7/6/2022	1.36	1.7	1.9	2.62	2.82	2.97	2.99	2.96	2.99	2.93	3.42	3.14
7/5/2022	1.33	1.71	1.9	2.59	2.77	2.82	2.82	2.82	2.87	2.82	3.31	3.05
7/1/2022	1.27	1.68	1.73	2.52	2.79	2.84	2.85	2.88	2.92	2.88	3.35	3.11
6/30/2022	1.28	1.68	1.72	2.51	2.8	2.92	2.99	3.01	3.04	2.98	3.38	3.14
6/29/2022	1.12	1.53	1.78	2.55	2.88	3.06	3.13	3.15	3.17	3.1	3.46	3.22
6/28/2022	1.12	1.59	1.79	2.55	2.88	3.1	3.21	3.25	3.27	3.2	3.55	3.3
6/27/2022	1.16	1.57	1.79	2.56	2.89	3.08	3.21	3.24	3.27	3.2	3.56	3.31
6/24/2022	1.19	1.6	1.73	2.51	2.83	3.04	3.13	3.18	3.19	3.13	3.51	3.26
6/23/2022	1.12	1.54	1.65	2.44	2.78	3.01	3.12	3.14	3.16	3.09	3.45	3.21
6/22/2022	0.98	1.42	1.61	2.4	2.79	3.06	3.2	3.22	3.24	3.16	3.49	3.25
6/21/2022	1.08	1.48	1.7	2.46	2.92	3.21	3.35	3.38	3.39	3.31	3.63	3.39

6/17/2022	1.15	1.5	1.63	2.25	2.86	3.17	3.35	3.34	3.34	3.25	3.55	3.3
6/16/2022	1.19	1.47	1.59	2.24	2.88	3.14	3.33	3.35	3.36	3.28	3.59	3.35
6/15/2022	1.21	1.56	1.74	2.32	2.93	3.2	3.35	3.38	3.39	3.33	3.64	3.39
6/14/2022	1.19	1.55	1.83	2.43	3.15	3.45	3.6	3.61	3.6	3.49	3.72	3.45
6/13/2022	1.13	1.45	1.73	2.25	2.89	3.4	3.56	3.56	3.53	3.43	3.68	3.42
6/10/2022	1.1	1.25	1.39	1.98	2.58	3.06	3.21	3.25	3.24	3.15	3.45	3.2
6/9/2022	1.05	1.17	1.3	1.81	2.35	2.83	2.99	3.07	3.08	3.04	3.4	3.18
6/8/2022	0.89	1.1	1.28	1.77	2.29	2.78	2.94	3.03	3.06	3.03	3.4	3.18
6/7/2022	0.87	1.08	1.26	1.75	2.26	2.75	2.91	2.99	3.02	2.98	3.35	3.13
6/6/2022	0.88	1.07	1.26	1.74	2.23	2.73	2.94	3.03	3.07	3.04	3.41	3.19
6/3/2022	0.87	1.05	1.21	1.68	2.18	2.66	2.87	2.95	2.99	2.96	3.33	3.11
6/2/2022	0.85	1.05	1.17	1.64	2.15	2.65	2.83	2.92	2.95	2.92	3.3	3.09
6/1/2022	0.77	0.9	1.15	1.63	2.16	2.66	2.84	2.94	2.98	2.94	3.31	3.09
5/31/2022	0.73	0.89	1.16	1.64	2.08	2.53	2.71	2.81	2.87	2.85	3.28	3.07
5/27/2022	0.69	0.91	1.08	1.54	2.01	2.47	2.64	2.71	2.76	2.74	3.16	2.97
5/26/2022	0.71	0.9	1.07	1.52	1.99	2.46	2.63	2.7	2.75	2.75	3.18	2.99
5/25/2022	0.58	0.88	1.06	1.52	2.01	2.48	2.63	2.71	2.76	2.75	3.14	2.97
5/24/2022	0.55	0.88	1.06	1.53	2.02	2.5	2.66	2.76	2.8	2.76	3.16	2.98
5/23/2022	0.55	0.9	1.07	1.57	2.09	2.65	2.8	2.88	2.9	2.86	3.26	3.08
5/20/2022	0.63	0.87	1.03	1.51	2.07	2.6	2.73	2.8	2.82	2.78	3.17	2.99
5/19/2022	0.65	0.91	1.05	1.52	2.11	2.63	2.78	2.84	2.87	2.84	3.24	3.05
5/18/2022	0.56	0.85	1.03	1.56	2.16	2.68	2.84	2.89	2.91	2.89	3.24	3.07
5/17/2022	0.61	0.85	1.06	1.57	2.16	2.71	2.89	2.96	3	2.98	3.36	3.17
5/16/2022	0.64	0.85	1.07	1.54	2.07	2.58	2.75	2.83	2.89	2.88	3.3	3.09
5/13/2022	0.67	0.79	1.03	1.47	2.04	2.61	2.79	2.89	2.95	2.93	3.32	3.1
5/12/2022	0.61	0.77	0.96	1.44	1.96	2.56	2.73	2.81	2.86	2.84	3.22	3
5/11/2022	0.59	0.77	0.91	1.43	1.99	2.66	2.81	2.89	2.94	2.91	3.25	3.05
5/10/2022	0.57	0.75	0.89	1.44	2.01	2.62	2.81	2.91	2.99	2.99	3.31	3.12
5/9/2022	0.51	0.73	0.92	1.43	1.99	2.61	2.81	2.95	3.04	3.05	3.38	3.19
5/6/2022	0.48	0.72	0.85	1.41	2.08	2.72	2.94	3.06	3.13	3.12	3.43	3.23
5/5/2022	0.49	0.71	0.85	1.37	2.08	2.71	2.91	3.01	3.07	3.05	3.35	3.15
5/4/2022	0.49	0.74	0.89	1.44	2.07	2.66	2.85	2.93	2.97	2.93	3.21	3.01
5/3/2022	0.48	0.77	0.91	1.45	2.16	2.78	2.95	3.01	3.03	2.97	3.21	3.03
5/2/2022	0.41	0.71	0.9	1.49	2.1	2.73	2.93	3.01	3.04	2.99	3.26	3.07
4/29/2022	0.37	0.73	0.85	1.41	2.1	2.7	2.87	2.92	2.94	2.89	3.14	2.96
4/28/2022	0.37	0.71	0.82	1.38	2.04	2.63	2.8	2.86	2.88	2.85	3.1	2.92
4/27/2022	0.37	0.63	0.82	1.39	1.97	2.58	2.75	2.81	2.84	2.82	3.08	2.91
4/26/2022	0.38	0.61	0.83	1.4	1.99	2.54	2.72	2.79	2.8	2.77	3.03	2.86
4/25/2022	0.4	0.61	0.91	1.42	2.03	2.63	2.79	2.84	2.85	2.81	3.06	2.88
4/22/2022	0.46	0.64	0.83	1.34	2.06	2.72	2.88	2.94	2.95	2.9	3.14	2.95
4/21/2022	0.5	0.65	0.83	1.32	2.01	2.68	2.87	2.96	2.96	2.9	3.12	2.94
4/20/2022	0.35	0.56	0.82	1.29	1.93	2.6	2.79	2.87	2.88	2.85	3.08	2.9
4/19/2022	0.37	0.58	0.81	1.28	1.94	2.61	2.81	2.91	2.95	2.93	3.19	3.01
4/18/2022	0.38	0.6	0.81	1.27	1.84	2.46	2.68	2.79	2.85	2.85	3.12	2.95
4/14/2022	0.37	0.57	0.79	1.25	1.84	2.47	2.67	2.79	2.84	2.83	3.09	2.92
4/13/2022	0.26	0.52	0.75	1.2	1.78	2.37	2.57	2.66	2.71	2.7	2.97	2.81
4/12/2022	0.21	0.52	0.74	1.2	1.77	2.39	2.58	2.66	2.73	2.72	2.99	2.82
4/11/2022	0.22	0.54	0.77	1.23	1.85	2.5	2.73	2.79	2.84	2.79	3.02	2.84
4/8/2022	0.2	0.49	0.7	1.19	1.81	2.53	2.73	2.76	2.79	2.72	2.94	2.76
4/7/2022	0.21	0.5	0.68	1.15	1.78	2.47	2.66	2.7	2.73	2.66	2.87	2.69
4/6/2022	0.21	0.44	0.67	1.15	1.79	2.5	2.67	2.7	2.69	2.61	2.81	2.63
4/5/2022	0.18	0.42	0.65	1.13	1.77	2.51	2.69	2.69	2.65	2.54	2.74	2.57
4/4/2022	0.18	0.42	0.66	1.14	1.72	2.43	2.61	2.56	2.52	2.42	2.64	2.48
4/1/2022	0.15	0.37	0.53	1.09	1.72	2.44	2.61	2.55	2.5	2.39	2.6	2.44
3/31/2022	0.17	0.35	0.52	1.06	1.63	2.28	2.45	2.42	2.4	2.32	2.59	2.44
3/30/2022	0.16	0.33	0.55	1.04	1.64	2.31	2.49	2.44	2.43	2.35	2.63	2.48
3/29/2022	0.18	0.34	0.55	1.06	1.67	2.35	2.54	2.49	2.5	2.41	2.68	2.53
3/28/2022	0.19	0.36	0.59	1.08	1.69	2.35	2.55	2.54	2.55	2.46	2.72	2.57
3/25/2022	0.17	0.32	0.55	1.01	1.67	2.3	2.51	2.55	2.56	2.48	2.74	2.6
3/24/2022	0.16	0.31	0.52	0.96	1.55	2.13	2.35	2.37	2.39	2.34	2.63	2.51
3/23/2022	0.15	0.27	0.5	0.93	1.52	2.13	2.32	2.34	2.37	2.32	2.65	2.52
3/22/2022	0.2	0.3	0.51	0.96	1.59	2.18	2.38	2.39	2.42	2.38	2.71	2.6
3/21/2022	0.22	0.33	0.54	0.95	1.4	2.14	2.34	2.33	2.36	2.32	2.67	2.55
3/18/2022	0.19	0.28	0.42	0.83	1.29	1.97	2.15	2.14	2.17	2.14	2.53	2.42
3/17/2022	0.2	0.3	0.4	0.81	1.3	1.94	2.14	2.17	2.22	2.2	2.6	2.5
3/16/2022	0.24	0.3	0.44	0.86	1.35	1.95	2.14	2.18	2.22	2.19	2.56	2.46
3/15/2022	0.22	0.31	0.46	0.86	1.28	1.85	2.04	2.1	2.16	2.15	2.57	2.49
3/14/2022	0.23	0.32	0.45	0.86	1.28	1.87	2.04	2.1	2.16	2.14	2.56	2.47
3/11/2022	0.17	0.28	0.4	0.78	1.22	1.75	1.91	1.96	2.01	2	2.45	2.36
3/10/2022	0.19	0.28	0.39	0.75	1.19	1.72	1.88	1.92	1.98	1.98	2.45	2.38
3/9/2022	0.18	0.26	0.38	0.75	1.15	1.68	1.83	1.87	1.92	1.94	2.38	2.29
3/8/2022	0.16	0.24	0.36	0.72	1.12	1.63	1.78	1.8	1.85	1.86	2.34	2.24
3/7/2022	0.17	0.23	0.38	0.75	1.07	1.55	1.68	1.71	1.77	1.78	2.29	2.19
3/4/2022	0.15	0.21	0.34	0.69	1.05	1.5	1.62	1.65	1.7	1.74	2.23	2.16
3/3/2022	0.19	0.25	0.38	0.69	1.08	1.53	1.69	1.74	1.82	1.86	2.32	2.24
3/2/2022	0.13	0.24	0.34	0.68	1.06	1.5	1.67	1.74	1.83	1.86	2.32	2.24
3/1/2022	0.11	0.21	0.32	0.6	0.91	1.31	1.47	1.56	1.67	1.72	2.19	2.11
2/28/2022	0.06	0.2	0.35	0.69	1.01	1.44	1.62	1.71	1.81	1.83	2.25	2.17
2/25/2022	0.03	0.2	0.33	0.71	1.13	1.55	1.76	1.86	1.96	1.97	2.37	2.29

2/24/2022	0.05	0.18	0.32		0.65	1.08	1.54	1.73	1.84	1.94	1.96	2.36	2.28
2/23/2022	0.02	0.2	0.34		0.74	1.16	1.58	1.78	1.89	1.98	1.99	2.36	2.29
2/22/2022	0.03	0.2	0.37		0.73	1.17	1.56	1.74	1.85	1.93	1.94	2.31	2.24
2/18/2022	0.03	0.19	0.35		0.65	1.03	1.47	1.68	1.82	1.9	1.92	2.3	2.24
2/17/2022	0.06	0.23	0.36		0.65	1.05	1.49	1.7	1.85	1.94	1.97	2.35	2.31
2/16/2022	0.03	0.17	0.38		0.67	1.09	1.52	1.75	1.9	2	2.03	2.39	2.34
2/15/2022	0.02	0.19	0.4		0.72	1.11	1.58	1.8	1.94	2.03	2.05	2.42	2.37
2/14/2022	0.03	0.25	0.43		0.76	1.13	1.58	1.8	1.9	1.98	1.98	2.35	2.29
2/11/2022	0.03	0.22	0.36		0.71	1.07	1.5	1.71	1.84	1.92	1.92	2.3	2.24
2/10/2022	0.05	0.31	0.4		0.74	1.14	1.61	1.82	1.96	2.03	2.03	2.37	2.3
2/9/2022	0.04	0.15	0.26		0.57	0.91	1.36	1.61	1.82	1.92	1.94	2.31	2.25
2/8/2022	0.03	0.14	0.25		0.59	0.91	1.35	1.59	1.81	1.93	1.96	2.31	2.25
2/7/2022	0.03	0.14	0.27		0.58	0.88	1.3	1.54	1.76	1.88	1.92	2.28	2.22
2/4/2022	0.05	0.12	0.23		0.56	0.89	1.31	1.55	1.78	1.9	1.93	2.29	2.23
2/3/2022	0.03	0.15	0.2		0.48	0.78	1.19	1.42	1.66	1.78	1.82	2.2	2.14
2/2/2022	0.04	0.1	0.19		0.45	0.76	1.16	1.38	1.6	1.74	1.78	2.17	2.11
2/1/2022	0.04	0.1	0.19		0.48	0.78	1.18	1.39	1.63	1.76	1.81	2.19	2.12
1/31/2022	0.03	0.13	0.22		0.49	0.78	1.18	1.39	1.62	1.75	1.79	2.17	2.11
1/28/2022	0.04	0.1	0.19		0.43	0.75	1.15	1.38	1.61	1.74	1.78	2.14	2.07
1/27/2022	0.04	0.14	0.2		0.43	0.75	1.18	1.43	1.66	1.78	1.81	2.17	2.09
1/26/2022	0.06	0.11	0.19		0.4	0.7	1.13	1.39	1.66	1.81	1.85	2.22	2.16
1/25/2022	0.05	0.09	0.19		0.39	0.65	1.02	1.28	1.56	1.73	1.78	2.18	2.12
1/24/2022	0.05	0.09	0.19		0.39	0.58	0.99	1.25	1.53	1.69	1.75	2.15	2.1
1/21/2022	0.05	0.08	0.17		0.35	0.58	1.01	1.28	1.54	1.7	1.75	2.13	2.07
1/20/2022	0.05	0.09	0.17		0.36	0.6	1.08	1.34	1.62	1.77	1.83	2.19	2.14
1/19/2022	0.05	0.06	0.17		0.36	0.57	1.04	1.33	1.62	1.78	1.83	2.2	2.14
1/18/2022	0.05	0.06	0.16		0.37	0.58	1.06	1.35	1.65	1.82	1.87	2.24	2.18
1/14/2022	0.05	0.05	0.13		0.3	0.51	0.99	1.26	1.55	1.72	1.78	2.18	2.12
1/13/2022	0.05	0.05	0.12		0.28	0.47	0.91	1.18	1.47	1.64	1.7	2.1	2.05
1/12/2022	0.04	0.06	0.12		0.27	0.48	0.92	1.21	1.5	1.67	1.74	2.13	2.08
1/11/2022	0.04	0.05	0.11		0.28	0.46	0.9	1.22	1.51	1.69	1.75	2.13	2.08
1/10/2022	0.05	0.06	0.13		0.28	0.46	0.92	1.21	1.53	1.71	1.78	2.15	2.11
1/7/2022	0.05	0.05	0.1		0.24	0.43	0.87	1.17	1.5	1.69	1.76	2.15	2.11
1/6/2022	0.04	0.05	0.1		0.23	0.45	0.88	1.15	1.47	1.66	1.73	2.12	2.09
1/5/2022	0.05	0.06	0.09		0.22	0.41	0.83	1.1	1.43	1.62	1.71	2.12	2.09
1/4/2022	0.06	0.05	0.08		0.22	0.38	0.77	1.02	1.37	1.57	1.66	2.1	2.07
1/3/2022	0.05	0.06	0.08		0.22	0.4	0.78	1.04	1.37	1.55	1.63	2.05	2.01
12/31/2021	0.06	0.05	0.06		0.19	0.39	0.73	0.97	1.26	1.44	1.52	1.94	1.9
12/30/2021	0.06	0.06	0.05		0.19	0.38	0.73	0.98	1.27	1.44	1.52	1.97	1.93
12/29/2021	0.01	0.02	0.05		0.19	0.38	0.75	0.99	1.29	1.47	1.55	2	1.96
12/28/2021	0.03	0.04	0.06		0.2	0.39	0.74	0.99	1.27	1.41	1.49	1.94	1.9
12/27/2021	0.04	0.05	0.06		0.21	0.33	0.76	0.98	1.26	1.41	1.48	1.92	1.88
12/23/2021	0.04	0.05	0.07		0.18	0.31	0.71	0.97	1.25	1.42	1.5	1.94	1.91
12/22/2021	0.03	0.04	0.08		0.16	0.28	0.68	0.96	1.23	1.39	1.46	1.89	1.86
12/21/2021	0.03	0.04	0.07		0.16	0.29	0.7	0.96	1.24	1.4	1.48	1.92	1.89
12/20/2021	0.03	0.05	0.07		0.16	0.27	0.65	0.91	1.17	1.34	1.43	1.9	1.85
12/17/2021	0.03	0.04	0.05		0.13	0.27	0.66	0.93	1.18	1.34	1.41	1.87	1.82
12/16/2021	0.04	0.06	0.05		0.13	0.26	0.64	0.92	1.19	1.36	1.44	1.91	1.87
12/15/2021	0.03	0.05	0.05		0.13	0.29	0.69	1	1.26	1.42	1.47	1.91	1.86
12/14/2021	0.02	0.05	0.05		0.13	0.26	0.67	0.98	1.23	1.39	1.44	1.87	1.82
12/13/2021	0.01	0.05	0.05		0.11	0.27	0.66	0.95	1.21	1.37	1.42	1.86	1.81
12/10/2021	0.03	0.06	0.06		0.13	0.27	0.67	0.98	1.25	1.42	1.48	1.91	1.88
12/9/2021	0.03	0.06	0.06		0.12	0.28	0.7	0.99	1.26	1.42	1.49	1.91	1.87
12/8/2021	0.04	0.05	0.07		0.13	0.29	0.68	0.99	1.27	1.44	1.52	1.93	1.87
12/7/2021	0.05	0.06	0.06		0.15	0.31	0.7	0.99	1.26	1.43	1.48	1.88	1.8
12/6/2021	0.05	0.05	0.05		0.12	0.28	0.65	0.91	1.21	1.38	1.43	1.84	1.75
12/3/2021	0.04	0.05	0.06		0.09	0.26	0.6	0.86	1.13	1.29	1.35	1.77	1.69
12/2/2021	0.05	0.05	0.05		0.09	0.27	0.63	0.9	1.21	1.38	1.44	1.87	1.76
12/1/2021	0.09	0.04	0.06		0.1	0.25	0.56	0.85	1.15	1.35	1.43	1.84	1.77
11/30/2021	0.11	0.05	0.05		0.1	0.24	0.52	0.81	1.14	1.36	1.43	1.85	1.78
11/29/2021	0.07	0.04	0.06		0.1	0.21	0.51	0.83	1.18	1.42	1.52	1.93	1.87
11/26/2021	0.11	0.04	0.06		0.1	0.2	0.5	0.81	1.16	1.4	1.48	1.89	1.83
11/24/2021	0.14	0.05	0.06		0.1	0.24	0.64	0.97	1.34	1.58	1.64	2.03	1.96
11/23/2021	0.06	0.04	0.06		0.07	0.21	0.6	0.95	1.33	1.58	1.67	2.08	2.02
11/22/2021	0.07	0.03	0.05		0.07	0.2	0.63	0.95	1.33	1.55	1.63	2.03	1.98
11/19/2021	0.11	0.04	0.05		0.06	0.18	0.52	0.86	1.22	1.45	1.54	1.95	1.91
11/18/2021	0.12	0.05	0.05		0.06	0.18	0.52	0.84	1.22	1.47	1.59	2.01	1.97
11/17/2021	0.06	0.05	0.05		0.06	0.18	0.52	0.85	1.24	1.49	1.6	2.04	2
11/16/2021	0.06	0.06	0.05		0.07	0.17	0.54	0.87	1.27	1.52	1.63	2.06	2.02
11/15/2021	0.06	0.06	0.05		0.06	0.18	0.53	0.87	1.26	1.51	1.63	2.05	2.01
11/12/2021	0.05	0.05	0.05		0.07	0.17	0.53	0.85	1.24	1.47	1.58	1.99	1.95
11/10/2021	0.06	0.06	0.05		0.07	0.17	0.51	0.83	1.23	1.45	1.56	1.96	1.92
11/9/2021	0.04	0.05	0.04		0.06	0.14	0.41	0.71	1.08	1.32	1.46	1.86	1.83
11/8/2021	0.04	0.06	0.06		0.07	0.16	0.45	0.75	1.13	1.38	1.51	1.91	1.89
11/5/2021	0.05	0.06	0.05		0.07	0.14	0.39	0.66	1.04	1.3	1.45	1.88	1.87
11/4/2021	0.05	0.05	0.04		0.07	0.14	0.41	0.69	1.1	1.37	1.53	1.96	1.96
11/3/2021	0.05	0.07	0.05		0.07	0.17	0.47	0.77	1.19	1.46	1.6	2.01	2
11/2/2021	0.05	0.06	0.05		0.07	0.15	0.46	0.73	1.15	1.42	1.56	1.97	1.96
11/1/2021	0.05	0.09	0.05		0.06	0.15	0.5	0.79	1.2	1.46	1.58	2.01	1.98

10/29/2021	0.06	0.08	0.05	0.07	0.15	0.48	0.75	1.18	1.44	1.55	1.98	1.93
10/28/2021	0.06	0.1	0.06	0.06	0.15	0.5	0.77	1.18	1.44	1.57	1.98	1.96
10/27/2021	0.06	0.07	0.06	0.07	0.12	0.5	0.77	1.16	1.41	1.54	1.93	1.95
10/26/2021	0.06	0.08	0.06	0.06	0.14	0.47	0.77	1.2	1.46	1.63	2.03	2.05
10/25/2021	0.07	0.1	0.06	0.06	0.14	0.47	0.76	1.19	1.47	1.64	2.07	2.09
10/22/2021	0.05	0.09	0.06	0.07	0.13	0.48	0.79	1.22	1.49	1.66	2.06	2.08
10/21/2021	0.06	0.08	0.06	0.06	0.12	0.45	0.78	1.23	1.52	1.68	2.1	2.13
10/20/2021	0.06	0.07	0.05	0.06	0.1	0.4	0.7	1.16	1.46	1.65	2.09	2.12
10/19/2021	0.06	0.09	0.05	0.06	0.11	0.41	0.71	1.17	1.47	1.65	2.07	2.09
10/18/2021	0.05	0.09	0.06	0.06	0.11	0.44	0.72	1.16	1.43	1.59	1.99	2.01
10/15/2021	0.04	0.08	0.05	0.06	0.12	0.41	0.7	1.13	1.42	1.59	2.02	2.05
10/14/2021	0.05	0.08	0.05	0.06	0.1	0.36	0.62	1.05	1.34	1.52	1.97	2.02
10/13/2021	0.03	0.06	0.05	0.06	0.11	0.37	0.66	1.09	1.38	1.56	2	2.05
10/12/2021	0.03	0.07	0.06	0.06	0.1	0.35	0.64	1.08	1.39	1.59	2.05	2.1
10/8/2021	0.02	0.07	0.05	0.07	0.09	0.32	0.59	1.05	1.39	1.61	2.11	2.16
10/7/2021	0.03	0.09	0.05	0.06	0.1	0.32	0.57	1.02	1.36	1.58	2.08	2.13
10/6/2021	0.06	0.04	0.04	0.06	0.1	0.3	0.55	0.99	1.32	1.53	2.02	2.08
10/5/2021	0.1	0.04	0.04	0.06	0.09	0.28	0.54	0.98	1.32	1.54	2.04	2.1
10/4/2021	0.09	0.04	0.04	0.06	0.09	0.27	0.52	0.95	1.27	1.49	1.99	2.05
10/1/2021	0.08	0.04	0.04	0.05	0.09	0.27	0.49	0.93	1.26	1.48	1.99	2.04
9/30/2021	0.07	0.05	0.04	0.05	0.09	0.28	0.53	0.98	1.32	1.52	2.02	2.08
9/29/2021	0.05	0.04	0.04	0.05	0.09	0.3	0.55	1.01	1.34	1.55	2.04	2.09
9/28/2021	0.07	0.04	0.04	0.06	0.09	0.31	0.55	1.02	1.34	1.54	2.02	2.07
9/27/2021	0.06	0.03	0.04	0.05	0.09	0.31	0.56	0.98	1.3	1.48	1.95	1.99
9/24/2021	0.06	0.04	0.03	0.05	0.08	0.29	0.55	0.97	1.27	1.47	1.94	1.99
9/23/2021	0.05	0.04	0.03	0.04	0.08	0.27	0.53	0.94	1.22	1.41	1.87	1.92
9/22/2021	0.04	0.04	0.03	0.05	0.08	0.25	0.48	0.86	1.13	1.32	1.78	1.84
9/21/2021	0.05	0.04	0.03	0.04	0.07	0.22	0.46	0.84	1.13	1.33	1.81	1.86
9/20/2021	0.06	0.05	0.04	0.05	0.07	0.23	0.45	0.83	1.12	1.31	1.79	1.85
9/17/2021	0.06	0.06	0.04	0.05	0.07	0.23	0.47	0.88	1.17	1.37	1.85	1.91
9/16/2021	0.06	0.06	0.04	0.05	0.07	0.23	0.46	0.84	1.13	1.34	1.83	1.88
9/15/2021	0.04	0.06	0.04	0.05	0.07	0.21	0.43	0.81	1.1	1.31	1.8	1.87
9/14/2021	0.05	0.06	0.04	0.05	0.07	0.21	0.43	0.79	1.07	1.28	1.78	1.85
9/13/2021	0.06	0.08	0.06	0.06	0.07	0.21	0.44	0.81	1.11	1.33	1.83	1.91
9/10/2021	0.06	0.06	0.05	0.06	0.08	0.23	0.45	0.82	1.12	1.35	1.86	1.94
9/9/2021	0.07	0.06	0.04	0.05	0.07	0.23	0.43	0.79	1.08	1.3	1.83	1.9
9/8/2021	0.05	0.06	0.05	0.06	0.08	0.22	0.43	0.81	1.11	1.35	1.88	1.95
9/7/2021	0.04	0.07	0.05	0.06	0.08	0.22	0.45	0.82	1.14	1.38	1.91	1.99
9/3/2021	0.04	0.07	0.05	0.05	0.08	0.21	0.42	0.78	1.09	1.33	1.87	1.94
9/2/2021	0.05	0.07	0.05	0.06	0.07	0.2	0.42	0.78	1.07	1.29	1.83	1.9
9/1/2021	0.04	0.06	0.05	0.06	0.07	0.2	0.42	0.78	1.08	1.31	1.84	1.92
8/31/2021	0.03	0.05	0.04	0.06	0.07	0.2	0.4	0.77	1.08	1.3	1.85	1.92
8/30/2021	0.04	0.07	0.05	0.05	0.08	0.2	0.4	0.77	1.07	1.29	1.82	1.9
8/27/2021	0.04	0.06	0.05	0.05	0.07	0.22	0.41	0.79	1.09	1.31	1.84	1.91
8/26/2021	0.04	0.06	0.05	0.06	0.07	0.25	0.46	0.84	1.13	1.34	1.87	1.94
8/25/2021	0.04	0.05	0.06	0.06	0.07	0.23	0.47	0.84	1.13	1.35	1.88	1.96
8/24/2021	0.03	0.05	0.05	0.05	0.06	0.24	0.44	0.8	1.08	1.29	1.83	1.91
8/23/2021	0.04	0.05	0.05	0.06	0.07	0.23	0.43	0.78	1.05	1.25	1.79	1.87
8/20/2021	0.04	0.05	0.05	0.05	0.06	0.23	0.44	0.8	1.06	1.26	1.79	1.87
8/19/2021	0.04	0.05	0.06	0.05	0.06	0.22	0.44	0.78	1.04	1.24	1.8	1.88
8/18/2021	0.03	0.05	0.07	0.05	0.07	0.23	0.43	0.79	1.06	1.27	1.84	1.91
8/17/2021	0.03	0.05	0.07	0.06	0.07	0.23	0.43	0.77	1.05	1.26	1.82	1.92
8/16/2021	0.04	0.05	0.06	0.05	0.08	0.21	0.42	0.75	1.04	1.26	1.82	1.92
8/13/2021	0.04	0.05	0.06	0.05	0.08	0.23	0.44	0.79	1.08	1.29	1.85	1.94
8/12/2021	0.05	0.06	0.06	0.06	0.09	0.23	0.46	0.83	1.13	1.36	1.92	2.03
8/11/2021	0.05	0.05	0.05	0.06	0.08	0.23	0.45	0.81	1.11	1.35	1.9	1.99
8/10/2021	0.05	0.05	0.05	0.05	0.08	0.24	0.47	0.82	1.12	1.36	1.9	1.99
8/9/2021	0.04	0.05	0.06	0.06	0.08	0.23	0.43	0.79	1.09	1.33	1.87	1.96
8/6/2021	0.04	0.05	0.06	0.06	0.09	0.21	0.42	0.77	1.07	1.31	1.85	1.94
8/5/2021	0.05	0.05	0.05	0.06	0.08	0.21	0.38	0.72	1.01	1.23	1.77	1.86
8/4/2021	0.05	0.05	0.05	0.05	0.07	0.17	0.34	0.67	0.96	1.19	1.74	1.83
8/3/2021	0.05	0.05	0.05	0.06	0.07	0.17	0.33	0.65	0.95	1.19	1.76	1.85
8/2/2021	0.05	0.05	0.05	0.06	0.07	0.17	0.33	0.66	0.96	1.2	1.77	1.86
7/30/2021	0.05	0.05	0.06	0.05	0.07	0.19	0.35	0.69	1	1.24	1.81	1.89
7/29/2021	0.05	0.05	0.06	0.05	0.08	0.2	0.37	0.73	1.04	1.28	1.84	1.91
7/28/2021	0.04	0.05	0.05	0.05	0.07	0.2	0.38	0.72	1.01	1.26	1.83	1.9
7/27/2021	0.04	0.05	0.05	0.05	0.07	0.2	0.37	0.71	1.01	1.25	1.81	1.89
7/26/2021	0.05	0.05	0.05	0.06	0.08	0.22	0.38	0.73	1.04	1.29	1.85	1.93
7/23/2021	0.05	0.05	0.05	0.05	0.07	0.22	0.38	0.72	1.04	1.3	1.85	1.92
7/22/2021	0.04	0.04	0.05	0.05	0.07	0.2	0.37	0.71	1.02	1.27	1.82	1.9
7/21/2021	0.04	0.04	0.05	0.05	0.07	0.22	0.39	0.74	1.05	1.3	1.87	1.94
7/20/2021	0.05	0.05	0.05	0.06	0.08	0.2	0.37	0.69	0.98	1.23	1.79	1.88
7/19/2021	0.05	0.05	0.05	0.06	0.07	0.21	0.38	0.7	0.97	1.19	1.74	1.81
7/16/2021	0.05	0.05	0.05	0.05	0.08	0.25	0.43	0.79	1.08	1.31	1.86	1.93
7/15/2021	0.05	0.05	0.05	0.05	0.07	0.23	0.43	0.78	1.07	1.31	1.85	1.92
7/14/2021	0.06	0.05	0.06	0.05	0.08	0.23	0.44	0.8	1.11	1.37	1.91	1.98
7/13/2021	0.05	0.05	0.05	0.06	0.08	0.26	0.47	0.85	1.16	1.42	1.96	2.04
7/12/2021	0.05	0.05	0.05	0.06	0.08	0.23	0.43	0.81	1.13	1.38	1.93	2
7/9/2021	0.06	0.05	0.06	0.05	0.08	0.23	0.41	0.79	1.12	1.37	1.91	1.99

7/8/2021	0.06	0.05	0.06		0.06	0.07	0.19	0.37	0.74	1.06	1.3	1.84	1.91
7/7/2021	0.05	0.05	0.05		0.05	0.08	0.22	0.41	0.79	1.09	1.33	1.87	1.94
7/6/2021	0.05	0.05	0.05		0.06	0.07	0.22	0.42	0.81	1.13	1.37	1.92	2
7/2/2021	0.05	0.05	0.05		0.05	0.08	0.24	0.45	0.86	1.19	1.44	1.98	2.05
7/1/2021	0.05	0.05	0.05		0.05	0.09	0.25	0.47	0.89	1.24	1.48	2.01	2.07
6/30/2021	0.05	0.05	0.05		0.06	0.07	0.25	0.46	0.87	1.21	1.45	2	2.06
6/29/2021	0.04	0.04	0.04		0.06	0.08	0.27	0.47	0.89	1.24	1.49	2.03	2.1
6/28/2021	0.04	0.05	0.05		0.06	0.08	0.25	0.47	0.9	1.25	1.49	2.04	2.1
6/25/2021	0.05	0.05	0.06		0.06	0.09	0.28	0.48	0.92	1.29	1.54	2.09	2.16
6/24/2021	0.05	0.05	0.05		0.05	0.08	0.26	0.48	0.9	1.26	1.49	2.03	2.1
6/23/2021	0.04	0.04	0.05		0.05	0.08	0.26	0.47	0.9	1.25	1.5	2.04	2.11
6/22/2021	0.04	0.05	0.04		0.06	0.09	0.25	0.44	0.87	1.23	1.48	2.03	2.1
6/21/2021	0.04	0.04	0.05		0.06	0.09	0.27	0.48	0.9	1.25	1.5	2.05	2.11
6/18/2021	0.05	0.05	0.05		0.06	0.09	0.26	0.47	0.89	1.22	1.45	1.97	2.01
6/17/2021	0.05	0.04	0.04		0.06	0.08	0.23	0.43	0.9	1.27	1.52	2.05	2.11
6/16/2021	0.04	0.04	0.04		0.06	0.08	0.21	0.41	0.89	1.29	1.57	2.13	2.2
6/15/2021	0.02	0.02	0.03		0.05	0.08	0.16	0.34	0.79	1.21	1.51	2.12	2.2
6/14/2021	0.01	0.02	0.03		0.05	0.05	0.16	0.33	0.8	1.2	1.51	2.12	2.19
6/11/2021	0.01	0.02	0.03		0.04	0.05	0.16	0.31	0.76	1.16	1.47	2.08	2.15
6/10/2021	0.01	0.02	0.03		0.04	0.05	0.14	0.3	0.73	1.14	1.45	2.07	2.15
6/9/2021	0.01	0.02	0.03		0.04	0.05	0.16	0.31	0.75	1.17	1.5	2.1	2.17
6/8/2021	0.01	0.02	0.02		0.04	0.05	0.14	0.32	0.77	1.2	1.53	2.13	2.21
6/7/2021	0.01	0.02	0.02		0.04	0.05	0.16	0.33	0.79	1.24	1.57	2.17	2.25
6/4/2021	0.01	0.02	0.02		0.04	0.05	0.14	0.32	0.78	1.23	1.56	2.16	2.24
6/3/2021	0	0.01	0.02		0.04	0.04	0.16	0.34	0.84	1.3	1.63	2.22	2.3
6/2/2021	0.01	0.01	0.02		0.04	0.05	0.13	0.3	0.8	1.26	1.59	2.21	2.28
6/1/2021	0.01	0.01	0.02		0.04	0.04	0.16	0.31	0.81	1.28	1.62	2.22	2.3
5/28/2021	0.01	0.01	0.01		0.03	0.05	0.14	0.3	0.79	1.24	1.58	2.18	2.26
5/27/2021	0	0.01	0.02		0.04	0.04	0.14	0.31	0.81	1.28	1.61	2.2	2.29
5/26/2021	0	0	0.02		0.04	0.04	0.14	0.31	0.8	1.24	1.58	2.17	2.27
5/25/2021	0.01	0.01	0.02		0.04	0.04	0.15	0.3	0.79	1.23	1.56	2.16	2.26
5/24/2021	0.01	0.01	0.02		0.03	0.04	0.15	0.32	0.82	1.28	1.61	2.22	2.31
5/21/2021	0	0.01	0.01		0.02	0.04	0.17	0.34	0.84	1.29	1.63	2.24	2.33
5/20/2021	0.01	0.01	0.01		0.03	0.05	0.15	0.34	0.83	1.29	1.63	2.25	2.34
5/19/2021	0	0.01	0.01		0.03	0.05	0.16	0.35	0.87	1.34	1.68	2.3	2.38
5/18/2021	0	0.01	0.02		0.03	0.06	0.16	0.34	0.83	1.29	1.64	2.27	2.37
5/17/2021	0	0.01	0.02		0.04	0.06	0.16	0.34	0.84	1.3	1.64	2.27	2.36
5/14/2021	0.01	0.01	0.01		0.03	0.06	0.16	0.33	0.82	1.29	1.63	2.25	2.35
5/13/2021	0	0.01	0.02		0.03	0.05	0.16	0.33	0.84	1.31	1.66	2.28	2.39
5/12/2021	0.01	0.02	0.02		0.04	0.05	0.16	0.35	0.87	1.34	1.69	2.29	2.4
5/11/2021	0.01	0.01	0.01		0.04	0.05	0.16	0.31	0.8	1.28	1.64	2.23	2.35
5/10/2021	0.02	0.01	0.02		0.04	0.05	0.16	0.32	0.8	1.27	1.63	2.2	2.32
5/7/2021	0.01	0.01	0.02		0.04	0.05	0.14	0.29	0.77	1.24	1.6	2.17	2.28
5/6/2021	0.01	0.02	0.02		0.04	0.05	0.16	0.32	0.81	1.25	1.58	2.14	2.24
5/5/2021	0.01	0.01	0.02		0.04	0.06	0.16	0.32	0.8	1.25	1.59	2.14	2.25
5/4/2021	0.01	0.01	0.02		0.04	0.06	0.16	0.33	0.82	1.28	1.61	2.16	2.27
5/3/2021	0.02	0.02	0.04		0.04	0.06	0.16	0.33	0.84	1.29	1.63	2.18	2.3
4/30/2021	0.01	0.02	0.01		0.03	0.05	0.16	0.35	0.86	1.32	1.65	2.19	2.3
4/29/2021	0.01	0.01	0.01		0.04	0.05	0.16	0.35	0.86	1.32	1.65	2.2	2.31
4/28/2021	0.01	0.01	0.01		0.04	0.05	0.17	0.35	0.86	1.31	1.63	2.19	2.29
4/27/2021	0.01	0.02	0.01		0.04	0.06	0.17	0.36	0.88	1.32	1.63	2.18	2.29
4/26/2021	0.02	0.02	0.03		0.04	0.06	0.18	0.35	0.85	1.27	1.58	2.13	2.24
4/23/2021	0.01	0.02	0.03		0.03	0.07	0.16	0.34	0.83	1.26	1.58	2.14	2.25
4/22/2021	0.02	0.02	0.03		0.04	0.06	0.16	0.32	0.81	1.24	1.57	2.13	2.24
4/21/2021	0	0.02	0.03		0.04	0.07	0.15	0.32	0.81	1.24	1.57	2.16	2.26
4/20/2021	0.01	0.02	0.03		0.04	0.07	0.15	0.31	0.81	1.25	1.58	2.16	2.27
4/19/2021	0.01	0.02	0.02		0.04	0.08	0.16	0.34	0.85	1.28	1.61	2.18	2.29
4/16/2021	0.02	0.02	0.02		0.04	0.06	0.16	0.34	0.84	1.26	1.59	2.15	2.26
4/15/2021	0.02	0.01	0.02		0.04	0.06	0.16	0.32	0.81	1.24	1.56	2.13	2.23
4/14/2021	0.02	0.02	0.02		0.04	0.06	0.16	0.35	0.87	1.31	1.64	2.22	2.32
4/13/2021	0.03	0.02	0.03		0.05	0.06	0.16	0.35	0.85	1.29	1.64	2.21	2.32
4/12/2021	0.02	0.02	0.02		0.04	0.06	0.18	0.38	0.89	1.35	1.69	2.24	2.34
4/9/2021	0.02	0.01	0.02		0.03	0.06	0.16	0.35	0.87	1.33	1.67	2.23	2.34
4/8/2021	0.02	0.02	0.01		0.04	0.05	0.14	0.33	0.85	1.3	1.64	2.22	2.32
4/7/2021	0.01	0.02	0.02		0.04	0.06	0.16	0.34	0.87	1.34	1.68	2.26	2.35
4/6/2021	0.02	0.02	0.02		0.04	0.06	0.16	0.35	0.88	1.34	1.67	2.24	2.32
4/5/2021	0.03	0.02	0.03		0.04	0.06	0.17	0.37	0.94	1.4	1.73	2.28	2.36
4/2/2021	0.02	0.02	0.02		0.04	0.07	0.19	0.39	0.97	1.42	1.72	2.27	2.35
4/1/2021	0.02	0.02	0.02		0.04	0.06	0.17	0.35	0.9	1.37	1.69	2.24	2.34
3/31/2021	0.01	0.01	0.03		0.05	0.07	0.16	0.35	0.92	1.4	1.74	2.31	2.41
3/30/2021	0.01	0.01	0.02		0.04	0.06	0.16	0.33	0.9	1.39	1.73	2.29	2.38
3/29/2021	0.02	0.03	0.03		0.04	0.06	0.14	0.32	0.89	1.37	1.73	2.32	2.43
3/26/2021	0.02	0.02	0.02		0.04	0.06	0.14	0.31	0.85	1.32	1.67	2.27	2.37
3/25/2021	0.02	0.03	0.02		0.04	0.07	0.14	0.3	0.82	1.29	1.63	2.24	2.34
3/24/2021	0.02	0.02	0.02		0.04	0.07	0.14	0.31	0.83	1.27	1.62	2.21	2.31
3/23/2021	0.02	0.02	0.01		0.04	0.08	0.15	0.31	0.83	1.29	1.63	2.24	2.34
3/22/2021	0.02	0.02	0.03		0.05	0.06	0.15	0.32	0.87	1.34	1.69	2.29	2.38
3/19/2021	0.01	0.01	0.01		0.03	0.07	0.16	0.33	0.9	1.38	1.74	2.36	2.45
3/18/2021	0.01	0.01	0.01		0.03	0.08	0.16	0.33	0.86	1.35	1.71	2.36	2.45

3/17/2021	0.01	0.02	0.02		0.05	0.07	0.13	0.29	0.8	1.27	1.63	2.32	2.42
3/16/2021	0.01	0.02	0.02		0.06	0.07	0.15	0.33	0.83	1.28	1.62	2.3	2.38
3/15/2021	0.02	0.02	0.04		0.06	0.08	0.14	0.33	0.84	1.28	1.62	2.27	2.37
3/12/2021	0.03	0.03	0.04		0.06	0.09	0.14	0.34	0.85	1.3	1.64	2.31	2.4
3/11/2021	0.04	0.04	0.04		0.05	0.08	0.14	0.31	0.78	1.2	1.54	2.18	2.29
3/10/2021	0.03	0.03	0.04		0.06	0.08	0.16	0.32	0.8	1.2	1.53	2.15	2.24
3/9/2021	0.04	0.04	0.05		0.07	0.1	0.17	0.35	0.83	1.23	1.55	2.16	2.26
3/8/2021	0.04	0.04	0.05		0.06	0.09	0.17	0.34	0.86	1.28	1.59	2.2	2.31
3/5/2021	0.04	0.04	0.04		0.07	0.08	0.14	0.32	0.79	1.23	1.56	2.18	2.28
3/4/2021	0.03	0.05	0.04		0.07	0.08	0.14	0.32	0.77	1.21	1.54	2.18	2.3
3/3/2021	0.04	0.04	0.05		0.07	0.08	0.14	0.29	0.73	1.14	1.47	2.12	2.25
3/2/2021	0.04	0.04	0.04		0.06	0.08	0.13	0.26	0.67	1.08	1.42	2.09	2.21
3/1/2021	0.03	0.03	0.05		0.07	0.08	0.13	0.27	0.71	1.12	1.45	2.11	2.23
2/26/2021	0.04	0.04	0.04		0.05	0.08	0.14	0.3	0.75	1.15	1.44	2.08	2.17
2/25/2021	0.04	0.03	0.04		0.06	0.09	0.17	0.34	0.81	1.23	1.54	2.25	2.33
2/24/2021	0.03	0.03	0.03		0.05	0.08	0.12	0.24	0.62	1.02	1.38	2.07	2.24
2/23/2021	0.03	0.02	0.04		0.05	0.08	0.11	0.22	0.59	1	1.37	2.03	2.21
2/22/2021	0.03	0.02	0.03		0.04	0.06	0.11	0.22	0.61	1	1.37	2.02	2.19
2/19/2021	0.03	0.03	0.04		0.06	0.07	0.11	0.22	0.59	0.98	1.34	1.98	2.14
2/18/2021	0.03	0.03	0.03		0.04	0.06	0.11	0.21	0.56	0.94	1.29	1.91	2.08
2/17/2021	0.03	0.04	0.04		0.06	0.07	0.11	0.21	0.57	0.94	1.29	1.92	2.06
2/16/2021	0.03	0.04	0.04		0.06	0.08	0.13	0.23	0.57	0.94	1.3	1.92	2.08
2/12/2021	0.03	0.04	0.04		0.05	0.06	0.11	0.2	0.5	0.85	1.2	1.83	2.01
2/11/2021	0.05	0.05	0.05		0.06	0.07	0.11	0.19	0.46	0.81	1.16	1.77	1.94
2/10/2021	0.05	0.04	0.05		0.06	0.07	0.11	0.19	0.46	0.8	1.15	1.75	1.92
2/9/2021	0.04	0.04	0.04		0.06	0.07	0.11	0.19	0.48	0.83	1.18	1.78	1.95
2/8/2021	0.04	0.03	0.05		0.05	0.07	0.11	0.2	0.48	0.83	1.19	1.78	1.96
2/5/2021	0.02	0.03	0.03		0.05	0.06	0.09	0.19	0.47	0.83	1.19	1.79	1.97
2/4/2021	0.03	0.04	0.04		0.06	0.07	0.11	0.18	0.46	0.81	1.15	1.75	1.93
2/3/2021	0.03	0.04	0.04		0.06	0.08	0.11	0.19	0.46	0.81	1.15	1.73	1.92
2/2/2021	0.04	0.05	0.07		0.08	0.08	0.11	0.18	0.45	0.79	1.12	1.69	1.87
2/1/2021	0.06	0.07	0.07		0.08	0.08	0.11	0.17	0.42	0.76	1.09	1.66	1.84
1/29/2021	0.07	0.07	0.06		0.07	0.1	0.11	0.19	0.45	0.79	1.11	1.68	1.87
1/28/2021	0.05	0.06	0.07		0.08	0.08	0.12	0.18	0.42	0.75	1.07	1.63	1.81
1/27/2021	0.05	0.06	0.08		0.09	0.09	0.12	0.18	0.41	0.72	1.04	1.6	1.79
1/26/2021	0.05	0.07	0.07		0.09	0.09	0.11	0.18	0.42	0.74	1.05	1.61	1.8
1/25/2021	0.07	0.08	0.09		0.09	0.1	0.13	0.17	0.42	0.73	1.05	1.61	1.8
1/22/2021	0.07	0.08	0.08		0.1	0.1	0.13	0.19	0.44	0.77	1.1	1.66	1.85
1/21/2021	0.07	0.09	0.09		0.09	0.1	0.13	0.19	0.45	0.79	1.12	1.68	1.87
1/20/2021	0.08	0.08	0.08		0.1	0.1	0.13	0.19	0.45	0.78	1.1	1.65	1.84
1/19/2021	0.07	0.09	0.09		0.11	0.1	0.14	0.21	0.45	0.78	1.1	1.65	1.84
1/15/2021	0.08	0.09	0.09		0.1	0.1	0.13	0.2	0.46	0.78	1.11	1.66	1.85
1/14/2021	0.09	0.09	0.09		0.09	0.1	0.16	0.23	0.49	0.82	1.15	1.69	1.88
1/13/2021	0.09	0.08	0.09		0.1	0.12	0.14	0.22	0.48	0.8	1.1	1.63	1.82
1/12/2021	0.09	0.08	0.09		0.09	0.11	0.14	0.23	0.5	0.83	1.15	1.68	1.88
1/11/2021	0.09	0.08	0.08		0.1	0.1	0.14	0.22	0.5	0.84	1.15	1.68	1.88
1/8/2021	0.08	0.08	0.08		0.09	0.1	0.14	0.24	0.49	0.81	1.13	1.67	1.87
1/7/2021	0.09	0.09	0.09		0.09	0.11	0.14	0.22	0.46	0.78	1.08	1.64	1.85
1/6/2021	0.09	0.09	0.09		0.09	0.11	0.14	0.2	0.43	0.74	1.04	1.6	1.81
1/5/2021	0.08	0.09	0.09		0.09	0.1	0.13	0.17	0.38	0.66	0.96	1.49	1.7
1/4/2021	0.09	0.09	0.09		0.09	0.1	0.11	0.16	0.36	0.64	0.93	1.46	1.66
9/13/2024	5.15	5.17	4.97	4.92	4.6	4	3.57	3.42	3.43	3.53	3.66	4.05	3.98

v1.0				
Initial Release				
v2.0				
- Implemented a dynamic ladder that allows the user to adjust the ladder view by week				
- Added the dashboard				
- Tool now continues to work after December 31st				
v2.1				
- Updated TreasuryRates script so it no longer times out and updates about 97% faster				
- Update log added				

[1] Use this field to change what week to start visualizing the bond ladder.

EXAMPLE: "1" will start from the very beginning while "4" will start visualizing on the fourth week of the ladder.

[2] Check this box if purchase of the T-Bill has been scheduled.

[3] Check this box after the T-Bill has been purchased. Don't forget to update the actual price you paid (Column H).

[4] This section is optional and only for record keeping.

You will receive a confirmation number after you schedule the purchase of the T-Bill.

[5] This section is optional and only for record keeping.

A CUSIP number is a unique nine-digit identification number assigned to stocks, bonds, and other securities.

You will receive a CUSIP after you purchase the T-Bill.

[6] This is the total value of the T-Bill at maturity.

[7] The price you actually paid for the T-Bill. It's ok to estimate if the T-Bill hasn't been purchased yet.

[8] Date the T-Bill will be issued, or the date it was originally issued if you bought it on the secondary market (not the auction date).

RED = This type of T-Bill is not issued on the date chosen.

[9] The APY is calculated after you enter the actual purchase price and check the box indicating the T-Bill was purchased (Column C).

An estimated rate using a moving average is used if the T-Bill has not been purchased already.

Keep in mind that the estimated rate tends to under estimate when rates are rising, and over estimate when rates are dropping.

[10] The estimated price for the upcoming T-Bill purchase. The user specifies this estimate on the 'T-Bill Ladder' sheet.

[11] This column of formulas reaches out to my Metrics sheet which contains the past two years of T-Bill auction data. It uses the past 30-days of data to estimate future T-Bill APY.