I. Yields

2a) Yields on debt securities outstanding, by category of securities

% per annum

Period	Total [1]	Bank debt securities					Corporate bonds (non-MFIs)
		Total	Mortgage Pfandbriefe	Public Pfandbriefe	Debt securities issued by special purpose credit institutions	Other bank debt securities	
2015	0.46	0.49	0.40	0.38	0.17	1.18	2.43
2016 [2]	0.11	0.28	0.15	0.16	– 0.08	1.20	2.07
2017 [2]	0.28	0.43	0.28	0.35	0.23	1.16	1.73
2018	0.43	0.60	0.43	0.54	0.41	1.33	2.49
2019	– 0.05	0.12	0.01	0.08	– 0.08	0.93	2.53
2020 [3]	– 0.19	– 0.04	– 0.20	– 0.15	– 0.26	0.92	1.75
2021	– 0.12	– 0.06	– 0.15	– 0.12	– 0.20	0.49	0.90
2022	1.54	1.87	1.77	1.80	1.65	2.73	3.26
2023	2.90	3.32	3.24	3.25	3.12	4.32	4.22
2024	2.65	2.94	2.92	2.93	2.79	3.69	3.65
2025	2.72	2.79	2.70	2.80	2.70	3.35	3.58
2024 Sep.	2.46	2.71	2.67	2.70	2.57	3.39	3.53
Oct.	2.48	2.71	2.68	2.68	2.58	3.33	3.49
Nov.	2.53	2.72	2.66	2.68	2.63	3.29	3.52
Dec.	2.41	2.61	2.59	2.62	2.49	3.18	3.40
2025 Jan.	2.70	2.87	2.82	2.86	2.76	3.48	3.67
Feb.	2.59	2.74	2.66	2.73	2.63	3.34	3.49
Mar.	2.85	2.94	2.84	2.93	2.85	3.50	3.72
Apr.	2.64	2.74	2.63	2.72	2.64	3.35	3.73
May	2.67	2.74	2.64	2.73	2.64	3.31	3.61
June	2.63	2.71	2.63	2.72	2.62	3.28	3.52
July	2.70	2.76	2.67	2.78	2.67	3.29	3.48
Aug.	2.74	2.76	2.66	2.79	2.67	3.29	3.49
Sep.	2.76	2.78	2.68	2.81	2.69	3.30	3.54
Oct.	2.71	2.75	2.65	2.79	2.67	3.26	3.50
Nov.	2.78	2.80	2.68	2.82	2.72	3.32	3.57
Dec.	2.92	2.93	2.81	2.95	2.85	3.46	3.66
2026 Jan.	2.90	2.91	2.79	2.91	2.83	3.42	3.64
Feb.	2.83	2.82	2.70	2.82	2.74	3.34	3.56
Mar.	3.04	3.08	2.98	3.07	2.99	3.62	3.93
Apr.	3.14	3.19	3.09	3.19	3.10	3.71	3.94
May	3.18	3.23	3.13	3.22	3.14	3.74	3.93
June	3.10	3.16	3.06	3.15	3.07	3.66	3.84
July	3.21	3.28	3.17	3.26	3.19	3.77	3.96
Aug.	3.32	3.37	3.27	3.36	3.29	3.85	4.06
2026 Aug. 3	3.27	3.34	3.24	3.32	3.26	3.82	4.03
4	3.28	3.33	3.23	3.32	3.25	3.81	4.02
5	3.22	3.29	3.19	3.28	3.20	3.76	3.97
6	3.23	3.30	3.20	3.29	3.21	3.77	3.99
7	3.26	3.32	3.23	3.31	3.24	3.79	4.00
10	3.25	3.32	3.23	3.31	3.23	3.79	4.00
11	3.31	3.37	3.27	3.35	3.29	3.83	4.04
12	3.27	3.34	3.24	3.33	3.25	3.81	4.01
13	3.28	3.33	3.24	3.32	3.25	3.81	4.02
14	3.28	3.33	3.24	3.32	3.25	3.80	4.01
17	3.32	3.37	3.27	3.35	3.28	3.84	4.03
18	3.36	3.41	3.31	3.39	3.32	3.88	4.08
19	3.37	3.42	3.32	3.40	3.33	3.90	4.10
20	3.37	3.42	3.32	3.41	3.34	3.90	4.11
21	3.36	3.41	3.31	3.39	3.32	3.89	4.10
24	3.36	3.41	3.31	3.39	3.33	3.89	4.10
25	3.36	3.42	3.31	3.40	3.33	3.89	4.09
26	3.32	3.37	3.27	3.36	3.29	3.85	4.06
27	3.36	3.41	3.31	3.40	3.32	3.88	4.10
28	3.39	3.44	3.34	3.42	3.35	3.91	4.13
31	3.41	3.45	3.38	3.45	3.36	3.93	4.16
Sep. 1	3.47	3.52	3.43	3.50	3.43	3.98	4.23
2	3.51	3.56	3.47	3.54	3.47	4.02	4.27

1 Yields for comparable categories of residual maturity, see Table I. 2b **2** Sectoral reclassification of debt securities. **3** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

still: 2a) Yields on debt securities outstanding, by category of securities

% p.a.

Monthly average or trading day	Total	Public debt securities						
		All public debt securities	of which: Listed Federal securities [1]					
			All listed Federal securities	of which: With residual maturities of more than...but not more than...years				
				3 - 5	5 - 8	8 - 15		15 - 30
						Total	of which: 9 - 10 [2]	
2015	0.46	0.42	0.41	– 0.12	0.13	0.52	0.50	1.07
2016	0.11	0.02	0.00	– 0.51	– 0.28	0.13	0.09	0.65
2017	0.28	0.18	0.17	– 0.51	– 0.14	0.35	0.32	0.97
2018	0.43	0.33	0.29	– 0.32	0.04	0.40	0.40	0.95
2019	– 0.05	– 0.19	– 0.26	– 0.62	– 0.47	– 0.27	– 0.25	0.21
2020	– 0.19	– 0.40	– 0.49	– 0.72	– 0.64	– 0.49	– 0.51	– 0.18
2021	– 0.12	– 0.29	– 0.38	– 0.68	– 0.56	– 0.34	– 0.37	– 0.01
2022	1.54	1.21	1.08	0.87	1.00	1.17	1.14	1.28
2023	2.90	2.60	2.48	2.50	2.40	2.48	2.43	2.56
2024	2.65	2.43	2.35	2.27	2.23	2.36	2.32	2.54
2025	2.72	2.59	2.53	2.13	2.34	2.67	2.61	3.04
2024 Sep.	2.46	2.25	2.17	2.01	2.03	2.22	2.17	2.46
Oct.	2.48	2.29	2.21	2.01	2.07	2.28	2.23	2.53
Nov.	2.53	2.34	2.26	2.06	2.14	2.35	2.31	2.53
Dec.	2.41	2.23	2.14	1.95	2.01	2.23	2.18	2.41
2025 Jan.	2.70	2.52	2.44	2.23	2.31	2.53	2.48	2.73
Feb.	2.59	2.43	2.36	2.12	2.23	2.46	2.40	2.67
Mar.	2.85	2.70	2.64	2.29	2.50	2.80	2.74	3.05
Apr.	2.64	2.47	2.39	1.97	2.22	2.57	2.51	2.89
May	2.67	2.52	2.45	2.01	2.26	2.62	2.56	2.99
June	2.63	2.50	2.42	2.01	2.23	2.57	2.52	2.93
July	2.70	2.59	2.52	2.07	2.31	2.69	2.63	3.08
Aug.	2.74	2.63	2.57	2.13	2.37	2.74	2.67	3.16
Sep.	2.76	2.66	2.60	2.15	2.39	2.76	2.69	3.22
Oct.	2.71	2.61	2.55	2.12	2.34	2.68	2.62	3.14
Nov.	2.78	2.67	2.60	2.17	2.39	2.72	2.66	3.20
Dec.	2.92	2.82	2.77	2.34	2.55	2.88	2.81	3.37
2026 Jan.	2.90	2.81	2.76	2.33	2.55	2.88	2.81	3.39
Feb.	2.83	2.74	2.70	2.25	2.49	2.81	2.74	3.35
Mar.	3.04	2.93	2.88	2.53	2.70	2.96	2.91	3.40
Apr.	3.14	3.03	2.99	2.65	2.81	3.05	3.00	3.48
May	3.18	3.07	3.02	2.70	2.84	3.09	3.05	3.52
June	3.10	3.00	2.95	2.64	2.77	3.01	2.96	3.45
July	3.21	3.11	3.06	2.75	2.89	3.13	3.07	3.56
Aug.	3.32	3.21	3.16	2.86	3.01	3.24	3.19	3.66
2026 Aug. 3	3.27	3.16	3.11	2.81	2.94	3.18	3.12	3.60
4	3.28	3.17	3.12	2.82	2.96	3.20	3.14	3.61
5	3.22	3.11	3.06	2.76	2.89	3.13	3.07	3.55
6	3.23	3.13	3.08	2.77	2.91	3.15	3.09	3.57
7	3.26	3.15	3.11	2.80	2.94	3.18	3.12	3.60
10	3.25	3.15	3.10	2.79	2.93	3.17	3.11	3.59
11	3.31	3.20	3.16	2.86	2.99	3.23	3.17	3.64
12	3.27	3.17	3.12	2.82	2.95	3.19	3.13	3.60
13	3.28	3.17	3.12	2.82	2.97	3.20	3.14	3.61
14	3.28	3.18	3.13	2.83	2.98	3.21	3.15	3.63
17	3.32	3.22	3.17	2.86	3.02	3.25	3.20	3.68
18	3.36	3.26	3.21	2.90	3.06	3.30	3.24	3.72
19	3.37	3.27	3.23	2.91	3.07	3.31	3.26	3.73
20	3.37	3.27	3.22	2.92	3.08	3.31	3.25	3.71
21	3.36	3.25	3.21	2.89	3.05	3.29	3.24	3.71
24	3.36	3.25	3.21	2.89	3.06	3.29	3.23	3.70
25	3.36	3.26	3.21	2.91	3.06	3.29	3.24	3.70
26	3.32	3.21	3.16	2.85	3.01	3.25	3.19	3.66
27	3.36	3.25	3.21	2.90	3.06	3.29	3.24	3.70
28	3.39	3.29	3.25	2.94	3.10	3.33	3.27	3.74
31	3.41	3.32	3.27	2.98	3.13	3.35	3.30	3.75
Sep. 1	3.47	3.36	3.32	3.02	3.18	3.40	3.35	3.79
2	3.51	3.40	3.35	3.06	3.21	3.44	3.39	3.81

1 Bonds, 5-year notes, and Treasury notes issued by the Federal Government, its special funds and the Treuhand agency. The average residual maturities of securities included in the respective aggregates can be found in the time series database at www.bundesbank.de > Interest rates and yields > Current yields of debt securities of domestic issuers > Current yields by residual maturity > Average residual maturities. **2** Calculated as unweighted averages, with daily structural adjustments.

I. Yields

2b) Yields on debt securities outstanding, by residual maturity *

% per annum

Period	Mean residual maturity of … years									
							More than 7			
								of which		
	More than 1 and up to 2	More than 2 and up to 3	More than 3 and up to 4	More than 4 and up to 5	More than 5 and up to 6	More than 6 and up to 7	Total	More than 7 and up to 8	More than 8 and up to 9	More than 9 and up to 10
	Debt securities, total									
2009	1.9	2.2	2.6	2.8	3.1	3.2	3.7	3.4	3.5	3.4
2010	1.1	1.5	1.7	2.1	2.3	2.6	3.1	2.7	2.8	2.9
2011	1.5	1.7	2.0	2.2	2.5	2.6	3.0	2.6	2.7	2.9
2012	0.4	0.5	0.7	1.0	1.2	1.3	1.9	1.4	1.5	1.7
2013	0.3	0.4	0.6	0.9	1.0	1.2	1.9	1.3	1.5	1.7
2014	0.2	0.2	0.4	0.5	0.7	0.9	1.5	1.0	1.2	1.3
2015	– 0.1	– 0.0	0.0	0.2	0.3	0.3	0.8	0.4	0.5	0.8
2016	– 0.4	– 0.3	– 0.3	– 0.2	– 0.1	0.0	0.4	0.0	0.3	0.4
2017	– 0.6	– 0.4	– 0.3	– 0.2	0.0	0.1	0.7	0.3	0.4	0.6
2018	– 0.4	– 0.3	– 0.1	0.1	0.2	0.4	0.8	0.6	0.6	0.6
2019	– 0.5	– 0.4	– 0.3	– 0.3	– 0.1	– 0.0	0.1	– 0.1	– 0.1	0.0
2020 [1]	– 0.4	– 0.3	– 0.3	– 0.2	– 0.2	– 0.2	– 0.2	– 0.3	– 0.3	– 0.2
2021	– 0.5	– 0.4	– 0.3	– 0.2	– 0.2	– 0.3	0.0	– 0.2	– 0.2	– 0.2
2022	1.0	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.6
2023	3.5	3.3	3.1	2.9	2.9	2.9	2.8	2.8	2.8	2.9
2024	3.1	2.8	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.7
2025	2.3	2.2	2.4	2.5	2.6	2.7	2.9	2.7	2.8	2.8
2024 Sep.	2.66	2.46	2.36	2.41	2.42	2.39	2.53	2.46	2.41	2.47
Oct.	2.55	2.38	2.36	2.40	2.44	2.41	2.58	2.50	2.44	2.49
Nov.	2.50	2.36	2.39	2.47	2.50	2.50	2.61	2.56	2.52	2.53
Dec.	2.41	2.25	2.26	2.35	2.38	2.40	2.49	2.43	2.39	2.40
2025 Jan.	2.59	2.46	2.52	2.60	2.65	2.76	2.79	2.71	2.69	2.68
Feb.	2.45	2.31	2.38	2.48	2.52	2.65	2.70	2.58	2.62	2.60
Mar.	2.49	2.39	2.54	2.67	2.73	2.89	3.04	2.84	2.95	2.93
Apr.	2.26	2.10	2.28	2.45	2.50	2.65	2.86	2.64	2.76	2.72
May	2.17	2.12	2.28	2.46	2.50	2.63	2.91	2.67	2.78	2.72
June	2.17	2.11	2.27	2.44	2.46	2.62	2.87	2.65	2.73	2.68
July	2.11	2.12	2.31	2.46	2.52	2.67	2.96	2.70	2.75	2.80
Aug.	2.15	2.17	2.35	2.47	2.55	2.72	3.01	2.72	2.77	2.86
Sep.	2.18	2.21	2.38	2.49	2.57	2.77	3.03	2.73	2.78	2.87
Oct.	2.15	2.21	2.35	2.45	2.55	2.72	2.96	2.66	2.71	2.81
Nov.	2.17	2.25	2.42	2.50	2.64	2.74	3.01	2.72	2.77	2.85
Dec.	2.25	2.36	2.56	2.62	2.79	2.86	3.17	2.88	2.92	2.99
2026 Jan.	2.21	2.35	2.52	2.60	2.81	2.85	3.16	2.87	2.91	2.97
Feb.	2.17	2.29	2.47	2.50	2.73	2.75	3.10	2.81	2.82	2.91
Mar.	2.58	2.68	2.81	2.78	2.98	2.98	3.24	3.04	3.01	3.10
Apr.	2.70	2.81	2.91	2.90	3.08	3.06	3.33	3.14	3.10	3.18
May	2.77	2.88	2.95	2.94	3.12	3.09	3.35	3.17	3.12	3.21
June	2.73	2.82	2.90	2.87	3.03	3.01	3.28	3.09	3.04	3.11
July	2.82	2.95	3.01	3.00	3.16	3.12	3.38	3.17	3.18	3.22
Aug.	2.91	3.05	3.10	3.10	3.29	3.23	3.49	3.28	3.29	3.34
2026 Aug. 3	2.89	3.01	3.07	3.07	3.23	3.19	3.43	3.23	3.24	3.27
4	2.89	3.02	3.08	3.07	3.23	3.19	3.44	3.24	3.25	3.28
5	2.84	2.96	3.02	3.01	3.18	3.13	3.38	3.18	3.19	3.22
6	2.85	2.98	3.03	3.02	3.19	3.15	3.40	3.20	3.20	3.24
7	2.87	3.00	3.06	3.04	3.22	3.18	3.42	3.22	3.23	3.26
10	2.87	3.00	3.06	3.04	3.21	3.17	3.42	3.22	3.22	3.26
11	2.91	3.05	3.11	3.10	3.27	3.22	3.47	3.27	3.28	3.31
12	2.89	3.02	3.08	3.06	3.23	3.19	3.43	3.23	3.24	3.27
13	2.89	3.02	3.07	3.07	3.26	3.19	3.45	3.23	3.25	3.32
14	2.89	3.02	3.07	3.07	3.26	3.19	3.45	3.24	3.26	3.32
17	2.91	3.03	3.09	3.10	3.29	3.23	3.50	3.28	3.30	3.37
18	2.94	3.07	3.13	3.14	3.33	3.27	3.54	3.32	3.34	3.41
19	2.95	3.09	3.15	3.15	3.35	3.29	3.55	3.34	3.35	3.42
20	2.96	3.10	3.15	3.16	3.35	3.29	3.54	3.34	3.35	3.42
21	2.94	3.08	3.13	3.14	3.34	3.27	3.53	3.32	3.34	3.41
24	2.95	3.08	3.13	3.15	3.34	3.27	3.53	3.32	3.34	3.40
25	2.95	3.09	3.15	3.15	3.34	3.28	3.53	3.32	3.34	3.41
26	2.90	3.04	3.09	3.10	3.30	3.23	3.49	3.28	3.30	3.36
27	2.94	3.09	3.14	3.15	3.34	3.28	3.53	3.32	3.34	3.41
28	2.96	3.11	3.17	3.18	3.38	3.31	3.56	3.35	3.37	3.44
31	2.99	3.15	3.20	3.21	3.40	3.33	3.58	3.37	3.39	3.46
Sep. 1	3.04	3.19	3.25	3.28	3.45	3.38	3.63	3.43	3.45	3.50
2	3.07	3.23	3.30	3.32	3.49	3.42	3.66	3.47	3.49	3.54

***** Only bearer bonds by residents with a maximum maturity as per the terms of issue of more than 4 years are included. **1** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

still: 2b) Yields on debt securities outstanding, by residual maturity *

% per annum

Period	Mean residual maturity of … years									
							More than 7			
								of which		
	More than 1 and up to 2	More than 2 and up to 3	More than 3 and up to 4	More than 4 and up to 5	More than 5 and up to 6	More than 6 and up to 7	Total	More than 7 and up to 8	More than 8 and up to 9	More than 9 and up to 10
	Bank debt securities									
2009	2.4	2.7	3.1	3.3	3.6	3.8	4.1	4.0	4.2	4.0
2010	1.5	1.9	2.2	2.4	2.7	2.9	3.2	3.1	3.1	3.3
2011	2.0	2.3	2.5	2.8	3.1	3.0	3.4	3.1	3.5	3.5
2012	0.8	1.0	1.2	1.4	1.6	1.7	2.2	2.1	2.2	2.1
2013	0.5	0.7	0.9	1.1	1.2	1.5	1.9	1.8	1.8	2.1
2014	0.3	0.4	0.5	0.7	0.9	1.1	1.5	1.2	1.4	1.7
2015	0.1	0.1	0.1	0.3	0.5	0.5	1.0	0.8	0.9	1.2
2016	− 0.1	− 0.2	− 0.0	0.1	0.2	0.3	0.8	0.4	0.8	1.0
2017	− 0.3	− 0.2	0.0	0.2	0.3	0.4	0.9	0.7	0.9	0.9
2018	− 0.2	− 0.0	0.2	0.3	0.4	0.7	1.0	0.9	1.0	1.0
2019	− 0.2	− 0.1	− 0.2	− 0.1	0.1	0.3	0.4	0.3	0.3	0.3
2020 1	− 0.2	− 0.3	− 0.2	− 0.1	0.1	0.1	0.1	− 0.0	0.0	0.1
2021	− 0.5	− 0.4	− 0.3	− 0.2	− 0.1	− 0.1	0.2	− 0.0	0.1	0.2
2022	1.2	1.5	1.7	1.8	1.9	1.8	2.0	1.9	2.0	1.9
2023	3.6	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2
2024	3.2	3.0	2.9	2.9	2.9	2.9	3.0	2.9	2.9	3.1
2025	2.3	2.4	2.5	2.6	2.7	2.8	3.1	2.9	3.1	3.1
2024 Sep.	2.88	2.62	2.62	2.64	2.64	2.72	2.84	2.68	2.75	2.98
Oct.	2.70	2.56	2.58	2.64	2.64	2.74	2.86	2.70	2.78	2.97
Nov.	2.63	2.56	2.59	2.67	2.68	2.76	2.87	2.72	2.80	2.92
Dec.	2.52	2.45	2.45	2.54	2.57	2.62	2.77	2.59	2.71	2.83
2025 Jan.	2.67	2.63	2.69	2.80	2.83	2.90	3.07	2.88	2.96	3.14
Feb.	2.50	2.48	2.53	2.67	2.69	2.77	2.96	2.76	2.86	3.05
Mar.	2.52	2.55	2.67	2.84	2.90	2.98	3.22	3.01	3.13	3.27
Apr.	2.25	2.28	2.41	2.61	2.68	2.76	3.08	2.87	2.99	3.10
May	2.19	2.28	2.41	2.60	2.70	2.75	3.09	2.87	3.02	3.08
June	2.18	2.26	2.39	2.56	2.69	2.72	3.08	2.86	3.05	3.03
July	2.16	2.28	2.43	2.60	2.71	2.77	3.15	2.92	3.12	3.09
Aug.	2.19	2.31	2.43	2.59	2.68	2.80	3.14	2.91	3.10	3.07
Sep.	2.23	2.35	2.47	2.60	2.70	2.81	3.16	2.93	3.10	3.08
Oct.	2.22	2.32	2.47	2.55	2.69	2.78	3.11	2.88	3.04	3.05
Nov.	2.26	2.36	2.52	2.59	2.73	2.82	3.16	2.94	3.08	3.10
Dec.	2.33	2.45	2.63	2.73	2.86	2.96	3.31	3.10	3.21	3.25
2026 Jan.	2.29	2.43	2.61	2.71	2.84	2.95	3.28	3.06	3.20	3.26
Feb.	2.26	2.36	2.55	2.61	2.76	2.85	3.18	2.96	3.08	3.19
Mar.	2.68	2.76	2.90	2.90	3.03	3.10	3.35	3.18	3.28	3.34
Apr.	2.82	2.88	3.01	3.03	3.12	3.21	3.45	3.29	3.39	3.42
May	2.90	2.94	3.06	3.08	3.15	3.24	3.47	3.34	3.40	3.43
June	2.86	2.88	2.98	3.02	3.05	3.17	3.41	3.30	3.31	3.35
July	2.95	3.00	3.10	3.15	3.18	3.29	3.52	3.45	3.42	3.43
Aug.	3.04	3.10	3.20	3.24	3.30	3.38	3.61	3.53	3.50	3.53
2026 Aug. 3	3.02	3.08	3.17	3.21	3.26	3.35	3.58	3.51	3.48	3.51
4	3.02	3.07	3.17	3.20	3.26	3.34	3.57	3.50	3.47	3.50
5	2.98	3.01	3.12	3.15	3.21	3.29	3.53	3.45	3.42	3.45
6	2.98	3.03	3.13	3.16	3.23	3.31	3.54	3.46	3.43	3.46
7	3.00	3.06	3.16	3.19	3.25	3.33	3.56	3.49	3.46	3.49
10	2.99	3.05	3.15	3.18	3.25	3.33	3.55	3.48	3.45	3.48
11	3.03	3.10	3.21	3.24	3.29	3.37	3.60	3.53	3.50	3.53
12	3.01	3.07	3.17	3.20	3.26	3.34	3.57	3.50	3.47	3.49
13	3.00	3.07	3.17	3.20	3.26	3.34	3.57	3.50	3.46	3.49
14	3.00	3.06	3.17	3.20	3.26	3.34	3.57	3.50	3.47	3.50
17	3.01	3.09	3.19	3.23	3.30	3.37	3.61	3.54	3.50	3.54
18	3.05	3.12	3.23	3.27	3.33	3.42	3.65	3.57	3.55	3.58
19	3.06	3.13	3.24	3.28	3.34	3.43	3.66	3.59	3.55	3.59
20	3.08	3.13	3.25	3.29	3.35	3.44	3.66	3.59	3.56	3.58
21	3.07	3.13	3.23	3.28	3.33	3.43	3.65	3.57	3.54	3.57
24	3.07	3.14	3.24	3.28	3.34	3.43	3.65	3.58	3.54	3.57
25	3.08	3.15	3.25	3.29	3.34	3.43	3.65	3.58	3.55	3.57
26	3.04	3.09	3.20	3.24	3.30	3.38	3.61	3.54	3.51	3.53
27	3.07	3.13	3.24	3.28	3.34	3.43	3.65	3.57	3.55	3.57
28	3.09	3.15	3.26	3.31	3.37	3.46	3.67	3.60	3.57	3.59
31	3.11	3.18	3.29	3.34	3.38	3.47	3.66	3.58	3.56	3.59
Sep. 1	3.16	3.24	3.35	3.39	3.45	3.54	3.74	3.66	3.64	3.67
2	3.20	3.27	3.40	3.44	3.49	3.58	3.77	3.69	3.68	3.71

***** Only bearer bonds by residents with a maximum maturity as per the terms of issue of more than 4 years are included. **1** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

still: 2b) Yields on debt securities outstanding, by residual maturity *

% per annum

Period	Mean residual maturity of … years									
							More than 7			
								of which		
	More than 1 and up to 2	More than 2 and up to 3	More than 3 and up to 4	More than 4 and up to 5	More than 5 and up to 6	More than 6 and up to 7	Total	More than 7 and up to 8	More than 8 and up to 9	More than 9 and up to 10
	Mortgage Pfandbriefe									
2009	2.4	2.7	3.0	3.3	3.4	3.6	4.0	4.0	4.1	4.1
2010	1.5	1.7	2.1	2.3	2.6	2.9	3.2	3.1	3.2	3.3
2011	1.9	2.2	2.5	2.7	2.9	3.1	3.4	3.2	3.3	3.5
2012	0.9	1.0	1.2	1.4	1.7	1.8	2.2	2.1	2.1	2.3
2013	0.5	0.6	0.9	1.1	1.4	1.5	1.9	1.7	1.9	2.0
2014	0.3	0.4	0.6	0.7	0.9	1.0	1.4	1.2	1.3	1.6
2015	0.1	0.1	0.1	0.2	0.3	0.5	0.7	0.6	0.8	0.7
2016	– 0.1	– 0.1	– 0.1	– 0.0	0.1	0.2	0.4	0.3	0.3	0.4
2017	– 0.2	– 0.2	– 0.1	0.1	0.2	0.3	0.6	0.4	0.6	0.7
2018	– 0.3	– 0.1	0.1	0.2	0.4	0.5	0.8	0.7	0.7	0.9
2019	– 0.3	– 0.3	– 0.2	– 0.1	– 0.1	0.0	0.3	0.1	0.2	0.3
2020 1	– 0.3	– 0.3	– 0.3	– 0.3	– 0.2	– 0.2	– 0.1	– 0.2	– 0.1	– 0.1
2021	– 0.5	– 0.4	– 0.3	– 0.3	– 0.2	– 0.2	0.1	– 0.1	– 0.0	0.0
2022	1.3	1.4	1.6	1.7	1.7	1.8	1.9	1.9	1.9	1.9
2023	3.6	3.4	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2024	3.2	3.0	2.9	2.9	2.9	2.9	3.0	2.9	2.9	3.0
2025	2.3	2.4	2.5	2.6	2.6	2.8	3.0	2.8	2.9	3.0
2024 Sep.	2.81	2.65	2.56	2.64	2.64	2.68	2.79	2.69	2.72	2.82
Oct.	2.66	2.57	2.54	2.64	2.69	2.68	2.82	2.74	2.73	2.83
Nov.	2.57	2.54	2.54	2.64	2.65	2.68	2.80	2.71	2.73	2.80
Dec.	2.49	2.47	2.45	2.56	2.54	2.60	2.74	2.64	2.67	2.76
2025 Jan.	2.63	2.65	2.67	2.78	2.78	2.85	3.00	2.89	2.93	3.01
Feb.	2.47	2.48	2.51	2.61	2.61	2.70	2.86	2.73	2.78	2.89
Mar.	2.49	2.54	2.63	2.77	2.81	2.91	3.11	2.95	3.03	3.16
Apr.	2.20	2.27	2.37	2.51	2.63	2.62	2.97	2.78	2.89	3.05
May	2.18	2.24	2.42	2.51	2.64	2.63	2.99	2.81	2.91	3.02
June	2.18	2.23	2.41	2.50	2.57	2.62	2.99	2.81	2.95	2.99
July	2.17	2.25	2.44	2.54	2.62	2.67	3.05	2.86	3.00	3.02
Aug.	2.19	2.27	2.44	2.54	2.54	2.77	3.03	2.84	2.97	3.01
Sep.	2.24	2.30	2.47	2.56	2.55	2.79	3.04	2.84	2.96	3.02
Oct.	2.22	2.29	2.45	2.47	2.57	2.75	3.00	2.80	2.92	2.97
Nov.	2.27	2.33	2.49	2.50	2.56	2.77	3.05	2.84	2.95	3.02
Dec.	2.33	2.42	2.62	2.62	2.71	2.92	3.18	2.95	3.08	3.16
2026 Jan.	2.30	2.39	2.58	2.60	2.70	2.89	3.18	2.98	3.07	3.14
Feb.	2.26	2.33	2.50	2.48	2.66	2.77	3.08	2.88	2.97	3.05
Mar.	2.69	2.73	2.85	2.80	2.91	3.03	3.25	3.09	3.18	3.26
Apr.	2.84	2.87	2.94	2.95	3.01	3.13	3.35	3.20	3.29	3.34
May	2.87	2.97	2.99	3.00	3.04	3.16	3.37	3.24	3.31	3.37
June	2.82	2.91	2.93	2.93	2.96	3.10	3.31	3.19	3.23	3.29
July	2.91	3.03	3.05	3.04	3.08	3.22	3.42	3.28	3.34	3.41
Aug.	3.01	3.12	3.14	3.08	3.28	3.32	3.51	3.38	3.44	3.50
2026 Aug. 3	2.98	3.10	3.11	3.05	3.23	3.28	3.48	3.34	3.41	3.46
4	3.00	3.10	3.11	3.04	3.24	3.28	3.47	3.34	3.39	3.46
5	2.96	3.05	3.05	3.00	3.20	3.23	3.43	3.29	3.35	3.42
6	2.96	3.06	3.08	3.01	3.22	3.25	3.44	3.30	3.36	3.43
7	2.97	3.08	3.10	3.03	3.23	3.27	3.47	3.33	3.39	3.46
10	2.97	3.07	3.10	3.04	3.23	3.26	3.46	3.33	3.38	3.45
11	3.00	3.13	3.16	3.09	3.28	3.31	3.50	3.37	3.41	3.50
12	2.98	3.09	3.11	3.05	3.24	3.28	3.47	3.33	3.39	3.46
13	2.98	3.09	3.11	3.04	3.24	3.28	3.47	3.34	3.39	3.46
14	2.98	3.08	3.11	3.05	3.24	3.28	3.47	3.34	3.40	3.46
17	2.96	3.10	3.14	3.07	3.27	3.31	3.51	3.38	3.43	3.50
18	3.02	3.14	3.17	3.11	3.31	3.36	3.55	3.41	3.48	3.55
19	3.03	3.15	3.18	3.12	3.32	3.37	3.56	3.43	3.49	3.56
20	3.04	3.17	3.19	3.12	3.32	3.37	3.56	3.43	3.49	3.55
21	3.04	3.15	3.17	3.11	3.31	3.36	3.55	3.41	3.47	3.54
24	3.04	3.15	3.18	3.12	3.31	3.36	3.55	3.41	3.48	3.54
25	3.04	3.16	3.19	3.12	3.31	3.36	3.55	3.41	3.49	3.53
26	3.01	3.12	3.14	3.08	3.27	3.32	3.51	3.38	3.44	3.50
27	3.04	3.16	3.18	3.13	3.31	3.36	3.55	3.42	3.48	3.54
28	3.05	3.18	3.20	3.16	3.34	3.40	3.57	3.44	3.51	3.56
31	3.09	3.23	3.27	3.19	3.38	3.43	3.60	3.48	3.54	3.60
Sep. 1	3.13	3.27	3.31	3.25	3.44	3.47	3.64	3.52	3.57	3.64
2	3.16	3.31	3.39	3.29	3.47	3.51	3.67	3.55	3.59	3.67

***** Only bearer bonds by residents with a maximum maturity as per the terms of issue of more than 4 years are included. **1** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

still: 2b) Yields on debt securities outstanding, by residual maturity *

% per annum

Period	Mean residual maturity of … years									
							More than 7			
								of which		
	More than 1 and up to 2	More than 2 and up to 3	More than 3 and up to 4	More than 4 and up to 5	More than 5 and up to 6	More than 6 and up to 7	Total	More than 7 and up to 8	More than 8 and up to 9	More than 9 and up to 10
	Public Pfandbriefe									
2009	2.3	2.6	3.0	3.3	3.5	3.8	4.1	3.8	4.5	4.1
2010	1.5	1.8	2.2	2.4	2.6	2.8	3.2	3.1	3.1	3.3
2011	2.0	2.3	2.5	2.8	2.9	3.2	3.4	3.2	3.3	3.5
2012	0.8	0.9	1.2	1.4	1.7	1.9	2.3	2.1	2.3	2.4
2013	0.5	0.7	0.8	1.1	1.4	1.6	2.1	1.9	1.9	1.9
2014	0.3	0.4	0.5	0.7	0.9	1.1	1.5	1.3	1.3	1.5
2015	0.0	0.1	0.2	0.2	0.3	0.4	0.8	0.6	0.7	0.8
2016	– 0.1	– 0.1	– 0.1	– 0.0	0.1	0.1	0.5	0.3	0.4	0.4
2017	– 0.2	– 0.1	– 0.0	0.1	0.2	0.4	0.7	0.5	0.6	0.7
2018	– 0.2	– 0.1	0.1	0.2	0.4	0.6	0.9	0.6	0.7	0.9
2019	– 0.3	– 0.2	– 0.2	– 0.1	– 0.0	0.0	0.3	0.1	0.2	0.3
2020 1	– 0.3	– 0.3	– 0.3	– 0.2	– 0.2	– 0.2	– 0.0	– 0.2	– 0.1	– 0.1
2021	– 0.5	– 0.4	– 0.3	– 0.3	– 0.2	– 0.2	0.1	– 0.1	– 0.0	0.1
2022	1.3	1.6	1.6	1.7	1.8	1.8	2.0	1.8	1.9	2.0
2023	3.7	3.4	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2
2024	3.1	3.0	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9
2025	2.3	2.4	2.5	2.6	2.7	2.8	3.1	2.9	3.0	3.1
2024 Sep.	2.77	2.61	2.63	2.62	2.60	2.68	2.83	2.68	2.69	2.77
Oct.	2.64	2.53	2.57	2.61	2.59	2.66	2.83	2.67	2.71	2.77
Nov.	2.56	2.49	2.57	2.60	2.60	2.63	2.82	2.64	2.71	2.76
Dec.	2.50	2.44	2.49	2.54	2.57	2.63	2.77	2.63	2.66	2.69
2025 Jan.	2.64	2.64	2.71	2.78	2.81	2.88	3.02	2.89	2.95	2.94
Feb.	2.47	2.48	2.56	2.62	2.67	2.73	2.90	2.76	2.82	2.82
Mar.	2.50	2.57	2.68	2.79	2.85	2.93	3.15	3.01	3.07	3.08
Apr.	2.21	2.28	2.41	2.55	2.62	2.72	3.00	2.83	2.91	3.01
May	2.18	2.25	2.41	2.55	2.62	2.81	3.01	2.84	2.91	3.07
June	2.18	2.26	2.37	2.53	2.64	2.84	3.02	2.82	2.91	3.12
July	2.19	2.28	2.41	2.57	2.72	2.84	3.08	2.87	3.00	3.11
Aug.	2.22	2.32	2.43	2.56	2.70	2.84	3.10	2.87	2.98	3.09
Sep.	2.25	2.36	2.48	2.57	2.70	2.83	3.09	2.87	2.97	3.07
Oct.	2.24	2.33	2.51	2.53	2.66	2.78	3.04	2.83	2.91	3.04
Nov.	2.24	2.37	2.52	2.57	2.69	2.82	3.10	2.87	2.95	3.13
Dec.	2.29	2.47	2.64	2.69	2.83	2.96	3.23	3.02	3.09	3.25
2026 Jan.	2.27	2.44	2.58	2.69	2.81	2.94	3.21	3.03	3.04	3.21
Feb.	2.25	2.39	2.51	2.58	2.70	2.82	3.11	2.91	3.01	3.11
Mar.	2.70	2.80	2.88	2.90	2.98	3.06	3.26	3.12	3.18	3.26
Apr.	2.83	2.94	2.99	3.01	3.10	3.15	3.40	3.21	3.32	3.33
May	2.90	3.00	3.02	3.07	3.24	3.18	3.41	3.24	3.36	3.30
June	2.88	2.93	2.95	3.01	3.10	3.12	3.33	3.15	3.27	3.30
July	2.97	3.03	3.08	3.15	3.21	3.23	3.46	3.28	3.38	3.45
Aug.	3.05	3.10	3.18	3.24	3.31	3.32	3.55	3.38	3.47	3.54
2026 Aug. 3	3.03	3.08	3.14	3.21	3.27	3.28	3.51	3.34	3.43	3.52
4	3.03	3.09	3.14	3.21	3.28	3.27	3.50	3.32	3.42	3.51
5	3.00	3.05	3.10	3.16	3.22	3.24	3.47	3.30	3.39	3.46
6	2.99	3.05	3.11	3.17	3.24	3.25	3.48	3.30	3.40	3.46
7	3.01	3.08	3.14	3.20	3.26	3.27	3.50	3.33	3.43	3.48
10	3.01	3.08	3.14	3.20	3.25	3.27	3.50	3.33	3.42	3.49
11	3.04	3.10	3.18	3.24	3.31	3.31	3.53	3.35	3.46	3.49
12	3.02	3.08	3.16	3.21	3.27	3.27	3.51	3.34	3.43	3.51
13	3.02	3.08	3.15	3.21	3.27	3.28	3.50	3.33	3.43	3.51
14	3.02	3.08	3.14	3.22	3.27	3.27	3.51	3.34	3.44	3.50
17	3.03	3.09	3.17	3.24	3.30	3.30	3.55	3.38	3.47	3.55
18	3.05	3.11	3.21	3.28	3.33	3.35	3.57	3.41	3.47	3.55
19	3.07	3.13	3.22	3.29	3.35	3.37	3.60	3.43	3.52	3.59
20	3.08	3.14	3.23	3.29	3.36	3.35	3.60	3.43	3.52	3.59
21	3.06	3.12	3.21	3.28	3.34	3.35	3.58	3.42	3.50	3.60
24	3.08	3.13	3.21	3.27	3.34	3.33	3.58	3.42	3.50	3.59
25	3.09	3.14	3.22	3.29	3.35	3.35	3.58	3.41	3.49	3.60
26	3.05	3.10	3.17	3.24	3.30	3.32	3.55	3.38	3.48	3.56
27	3.08	3.13	3.21	3.27	3.35	3.36	3.59	3.42	3.51	3.58
28	3.09	3.14	3.24	3.30	3.37	3.39	3.61	3.45	3.53	3.61
31	3.11	3.15	3.27	3.33	3.39	3.46	3.63	3.47	3.56	3.61
Sep. 1	3.16	3.21	3.32	3.40	3.45	3.50	3.68	3.53	3.61	3.69
2	3.20	3.25	3.37	3.43	3.50	3.54	3.70	3.55	3.63	3.72

***** Only bearer bonds by residents with a maximum maturity as per the terms of issue of more than 4 years are included. **1** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

still: 2b) Yields on debt securities outstanding, by residual maturity *

% per annum

Period	Mean residual maturity of … years: More than 1 and up to 2	More than 2 and up to 3	More than 3 and up to 4	More than 4 and up to 5	More than 5 and up to 6	More than 6 and up to 7	More than 7: Total	of which: More than 7 and up to 8	More than 8 and up to 9	More than 9 and up to 10
	Public debt securities									
2009	1.4	1.8	2.2	2.5	2.7	2.9	3.7	3.1	3.3	3.3
2010	0.8	1.1	1.5	1.8	2.1	2.3	3.1	2.5	2.7	2.8
2011	1.1	1.4	1.7	1.9	2.2	2.3	2.9	2.4	2.6	2.7
2012	0.2	0.3	0.4	0.6	0.9	1.1	1.9	1.2	1.4	1.6
2013	0.2	0.3	0.4	0.6	0.8	1.0	1.9	1.2	1.4	1.6
2014	0.1	0.1	0.2	0.4	0.5	0.7	1.5	0.9	1.1	1.2
2015	-0.2	-0.2	-0.1	-0.0	0.1	0.2	0.7	0.3	0.4	0.6
2016	-0.6	-0.5	-0.5	-0.4	-0.3	-0.2	0.3	-0.1	0.1	0.2
2017	-0.7	-0.6	-0.5	-0.4	-0.2	-0.0	0.6	0.1	0.2	0.4
2018	-0.6	-0.5	-0.3	-0.2	0.0	0.2	0.7	0.3	0.4	0.4
2019	-0.6	-0.6	-0.6	-0.5	-0.4	-0.4	0.0	-0.3	-0.3	-0.2
2020 1	-0.6	-0.6	-0.7	-0.6	-0.6	-0.5	-0.3	-0.6	-0.5	-0.4
2021	-0.7	-0.7	-0.6	-0.6	-0.5	-0.5	-0.1	-0.4	-0.4	-0.3
2022	0.7	0.9	1.0	1.0	1.1	1.1	1.3	1.2	1.2	1.3
2023	3.1	2.8	2.7	2.6	2.5	2.5	2.6	2.5	2.5	2.6
2024	2.7	2.5	2.4	2.3	2.3	2.3	2.5	2.3	2.4	2.4
2025	2.0	2.0	2.1	2.3	2.3	2.5	2.9	2.5	2.6	2.7
2024 Sep.	2.36	2.14	2.06	2.09	2.09	2.11	2.39	2.16	2.19	2.23
Oct.	2.22	2.09	2.06	2.09	2.12	2.15	2.45	2.21	2.25	2.29
Nov.	2.19	2.10	2.11	2.16	2.20	2.23	2.49	2.29	2.33	2.37
Dec.	2.08	1.98	1.99	2.05	2.07	2.11	2.37	2.16	2.21	2.24
2025 Jan.	2.26	2.22	2.25	2.33	2.36	2.42	2.67	2.46	2.51	2.53
Feb.	2.13	2.10	2.14	2.22	2.27	2.33	2.60	2.37	2.44	2.45
Mar.	2.16	2.20	2.29	2.41	2.50	2.61	2.94	2.66	2.77	2.79
Apr.	1.86	1.86	1.98	2.13	2.21	2.36	2.75	2.41	2.55	2.56
May	1.86	1.89	2.02	2.17	2.24	2.39	2.82	2.45	2.58	2.60
June	1.88	1.89	2.02	2.15	2.23	2.37	2.77	2.43	2.54	2.56
July	1.88	1.92	2.07	2.20	2.29	2.43	2.88	2.52	2.60	2.68
Aug.	1.95	1.99	2.12	2.24	2.34	2.49	2.94	2.57	2.63	2.73
Sep.	2.00	2.02	2.15	2.27	2.36	2.52	2.96	2.59	2.65	2.74
Oct.	1.98	2.00	2.13	2.23	2.32	2.46	2.89	2.52	2.58	2.68
Nov.	2.01	2.05	2.18	2.28	2.37	2.50	2.94	2.57	2.63	2.73
Dec.	2.10	2.18	2.33	2.43	2.53	2.66	3.10	2.73	2.79	2.88
2026 Jan.	2.08	2.17	2.31	2.42	2.54	2.64	3.09	2.71	2.78	2.87
Feb.	2.04	2.12	2.24	2.34	2.47	2.56	3.04	2.65	2.70	2.80
Mar.	2.42	2.48	2.55	2.60	2.71	2.77	3.16	2.87	2.88	2.97
Apr.	2.56	2.61	2.69	2.72	2.81	2.87	3.25	2.97	2.98	3.05
May	2.62	2.67	2.73	2.76	2.86	2.90	3.28	3.00	3.01	3.10
June	2.60	2.63	2.67	2.70	2.79	2.83	3.21	2.91	2.92	3.01
July	2.68	2.74	2.79	2.82	2.91	2.95	3.31	3.00	3.06	3.12
Aug.	2.77	2.84	2.89	2.93	3.03	3.06	3.42	3.11	3.18	3.24
2026 Aug. 3	2.73	2.80	2.85	2.88	2.97	3.01	3.36	3.06	3.12	3.17
4	2.75	2.81	2.86	2.89	2.97	3.02	3.37	3.07	3.13	3.18
5	2.69	2.75	2.80	2.82	2.91	2.95	3.31	3.00	3.07	3.12
6	2.70	2.77	2.81	2.84	2.93	2.97	3.32	3.02	3.08	3.14
7	2.72	2.79	2.84	2.87	2.96	3.00	3.35	3.05	3.11	3.17
10	2.72	2.79	2.84	2.86	2.95	2.99	3.34	3.04	3.10	3.16
11	2.77	2.84	2.90	2.92	3.01	3.05	3.40	3.10	3.16	3.22
12	2.74	2.81	2.86	2.89	2.97	3.01	3.36	3.06	3.12	3.18
13	2.74	2.81	2.86	2.89	2.99	3.02	3.38	3.07	3.13	3.21
14	2.75	2.81	2.86	2.90	3.00	3.03	3.38	3.08	3.14	3.21
17	2.77	2.82	2.89	2.93	3.03	3.07	3.43	3.11	3.18	3.26
18	2.79	2.87	2.93	2.97	3.08	3.11	3.48	3.16	3.23	3.30
19	2.81	2.89	2.94	2.98	3.09	3.12	3.48	3.17	3.24	3.31
20	2.82	2.90	2.95	2.99	3.10	3.13	3.47	3.17	3.24	3.31
21	2.79	2.86	2.92	2.96	3.07	3.11	3.47	3.16	3.22	3.30
24	2.80	2.87	2.93	2.97	3.08	3.11	3.46	3.16	3.22	3.30
25	2.82	2.89	2.94	2.98	3.08	3.11	3.46	3.16	3.22	3.30
26	2.76	2.83	2.89	2.92	3.03	3.06	3.42	3.11	3.18	3.25
27	2.81	2.88	2.94	2.97	3.08	3.11	3.46	3.16	3.22	3.30
28	2.84	2.91	2.97	3.01	3.12	3.14	3.50	3.20	3.26	3.33
31	2.87	2.95	3.01	3.04	3.15	3.18	3.52	3.23	3.29	3.36
Sep. 1	2.91	3.00	3.05	3.09	3.19	3.23	3.56	3.28	3.34	3.40
2	2.95	3.05	3.10	3.13	3.23	3.26	3.59	3.31	3.37	3.44

***** Only bearer bonds by residents with a maximum maturity as per the terms of issue of more than 4 years are included. **1** Adjustment of the scope of securities included on 1 May 2020.

I. Yields

2c) Yields on listed Federal securities outstanding - average, highest and lowest rates

% per annum

Period	Total			of which: Residual maturity of more than 3 an up to 5 years			Residual maturity of more than 5 an up to 8 years			Residual maturity of more than 8 an up to 15 years		
	Average rate	Lowest rate [1]	Highest rate [2]	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate
2009	3.03	2.71	3.40	2.18	1.86	2.54	2.79	2.50	3.22	3.27	2.93	3.68
2010	2.43	1.81	3.11	1.50	1.02	2.25	2.21	1.63	2.92	2.73	2.05	3.38
2011	2.39	1.46	3.26	1.60	0.53	2.56	2.17	1.16	3.10	2.59	1.60	3.46
2012	1.27	0.92	1.72	0.36	0.08	0.78	0.93	0.58	1.43	1.47	1.00	1.96
2013	1.33	0.98	1.67	0.41	0.11	0.74	0.94	0.53	1.37	1.63	1.17	2.07
2014	1.02	0.48	1.65	0.22	– 0.06	0.71	0.64	0.14	1.35	1.24	0.55	2.03
2015	0.41	0.05	0.80	– 0.12	– 0.31	0.07	0.13	– 0.12	0.50	0.52	0.06	1.03
2016	0.00	– 0.29	0.46	– 0.51	– 0.70	– 0.17	– 0.28	– 0.53	0.14	0.13	– 0.22	0.65
2017	0.17	– 0.06	0.37	– 0.51	– 0.76	– 0.31	– 0.14	– 0.38	0.06	0.35	0.15	0.56
2018	0.29	0.06	0.55	– 0.32	– 0.55	– 0.12	0.04	– 0.21	0.33	0.40	0.15	0.75
2019	– 0.26	– 0.73	0.13	– 0.62	– 0.98	– 0.39	– 0.47	– 0.91	– 0.14	– 0.27	– 0.75	0.17
2020	– 0.49	– 0.83	– 0.20	– 0.72	– 1.00	– 0.53	– 0.64	– 0.94	– 0.38	– 0.49	– 0.85	– 0.18
2021	– 0.38	– 0.60	– 0.16	– 0.68	– 0.83	– 0.47	– 0.56	– 0.75	– 0.32	– 0.34	– 0.61	– 0.10
2022	1.08	– 0.26	2.50	0.87	– 0.52	2.50	1.00	– 0.40	2.48	1.17	– 0.19	2.53
2023	2.48	1.95	2.95	2.50	1.90	2.94	2.40	1.82	2.84	2.48	1.96	3.01
2024	2.35	2.01	2.75	2.27	1.83	2.77	2.23	1.88	2.66	2.36	2.09	2.72
2025	2.53	2.27	2.83	2.13	1.85	2.40	2.34	2.11	2.63	2.67	2.36	2.95
2023 Mar.	2.43	2.02	2.79	2.50	2.01	2.94	2.38	1.94	2.77	2.41	2.03	2.76
Apr.	2.40	2.14	2.54	2.43	2.14	2.59	2.34	2.07	2.49	2.39	2.14	2.53
May	2.37	2.25	2.54	2.35	2.20	2.52	2.28	2.15	2.45	2.39	2.26	2.56
June	2.46	2.32	2.57	2.54	2.33	2.68	2.38	2.22	2.50	2.42	2.31	2.52
July	2.55	2.40	2.71	2.68	2.52	2.82	2.49	2.33	2.66	2.49	2.34	2.67
Aug.	2.60	2.49	2.71	2.62	2.52	2.74	2.51	2.41	2.64	2.59	2.47	2.71
Sep.	2.71	2.50	2.92	2.73	2.52	2.88	2.61	2.41	2.81	2.71	2.50	2.94
Oct.	2.84	2.72	2.95	2.76	2.66	2.88	2.72	2.61	2.84	2.89	2.76	3.01
Nov.	2.64	2.43	2.81	2.58	2.35	2.68	2.51	2.28	2.66	2.67	2.46	2.87
Dec.	2.15	1.95	2.44	2.10	1.90	2.36	2.02	1.82	2.30	2.16	1.96	2.46
2024 Jan.	2.22	2.08	2.36	2.15	2.00	2.30	2.10	1.94	2.24	2.24	2.10	2.38
Feb.	2.39	2.19	2.54	2.37	2.14	2.57	2.27	2.07	2.45	2.38	2.19	2.52
Mar.	2.41	2.31	2.51	2.43	2.33	2.53	2.31	2.21	2.41	2.38	2.28	2.48
Apr.	2.50	2.40	2.64	2.51	2.40	2.66	2.40	2.29	2.55	2.48	2.37	2.62
May	2.58	2.49	2.75	2.62	2.52	2.77	2.49	2.39	2.66	2.55	2.45	2.72
June	2.55	2.42	2.71	2.56	2.42	2.74	2.45	2.31	2.62	2.52	2.39	2.68
July	2.50	2.33	2.64	2.47	2.26	2.62	2.39	2.21	2.54	2.50	2.34	2.64
Aug.	2.23	2.12	2.30	2.13	2.02	2.23	2.11	1.99	2.17	2.26	2.15	2.30
Sep.	2.17	2.10	2.32	2.01	1.90	2.20	2.03	1.95	2.19	2.22	2.14	2.36
Oct.	2.21	2.04	2.37	2.01	1.84	2.19	2.07	1.88	2.26	2.28	2.10	2.44
Nov.	2.26	2.07	2.41	2.06	1.90	2.20	2.14	1.95	2.28	2.35	2.14	2.52
Dec.	2.14	2.01	2.31	1.95	1.83	2.08	2.01	1.88	2.18	2.23	2.09	2.42
2025 Jan.	2.44	2.29	2.55	2.23	2.05	2.33	2.31	2.14	2.42	2.53	2.39	2.64
Feb.	2.36	2.27	2.47	2.12	2.03	2.22	2.23	2.12	2.35	2.46	2.36	2.58
Mar.	2.64	2.36	2.76	2.29	2.06	2.40	2.50	2.21	2.63	2.80	2.49	2.94
Apr.	2.39	2.29	2.54	1.97	1.85	2.17	2.22	2.11	2.40	2.57	2.48	2.71
May	2.45	2.33	2.55	2.01	1.90	2.12	2.26	2.14	2.37	2.62	2.49	2.71
June	2.42	2.37	2.45	2.01	1.95	2.04	2.23	2.18	2.26	2.57	2.52	2.61
July	2.52	2.43	2.60	2.07	1.99	2.15	2.31	2.22	2.39	2.69	2.58	2.77
Aug.	2.57	2.49	2.64	2.13	2.06	2.18	2.37	2.28	2.44	2.74	2.65	2.82
Sep.	2.60	2.54	2.65	2.15	2.08	2.21	2.39	2.33	2.45	2.76	2.69	2.82
Oct.	2.55	2.46	2.63	2.12	2.03	2.19	2.34	2.24	2.42	2.68	2.59	2.78
Nov.	2.60	2.56	2.65	2.17	2.13	2.21	2.39	2.34	2.42	2.72	2.68	2.77
Dec.	2.77	2.66	2.83	2.34	2.23	2.40	2.55	2.44	2.61	2.88	2.77	2.95
2026 Jan.	2.76	2.72	2.82	2.33	2.29	2.39	2.55	2.52	2.62	2.88	2.83	2.94
Feb.	2.70	2.62	2.78	2.25	2.18	2.33	2.49	2.42	2.57	2.81	2.72	2.90
Mar.	2.88	2.60	3.07	2.53	2.18	2.79	2.70	2.40	2.93	2.96	2.70	3.15
Apr.	2.99	2.88	3.08	2.65	2.56	2.77	2.81	2.70	2.91	3.05	2.95	3.13
May	3.02	2.93	3.13	2.70	2.60	2.80	2.84	2.75	2.96	3.09	3.00	3.22
June	2.95	2.84	3.05	2.64	2.53	2.75	2.77	2.66	2.87	3.01	2.90	3.11
July	3.06	2.88	3.17	2.75	2.56	2.90	2.89	2.69	3.01	3.13	2.93	3.23
Aug.	3.16	3.06	3.27	2.86	2.76	2.98	3.01	2.89	3.13	3.24	3.13	3.35

1 Historical low: -0.83 on 12 March 2020. **2** Historical high: 11.43 on 7 and 8 September 1981.