

ZURICH, SWITZERLAND, DECEMBER 29, 2022

# ABB share buybacks

December 22, 2022 – December 28, 2022

During the period December 22, 2022, to December 28, 2022, ABB repurchased a total of 693,000 shares as part of its share buyback program announced on March 31, 2022.

The buyback program is being carried out in accordance with the Swiss Ordinance on Financial Market Infrastructures and Market Conduct in Securities and Derivatives Trading (FMIO), the Market Abuse Regulation (EU) No 596/2014 (“MAR”) and the Commission Delegated Regulation (EU) No 2016/1052 (the “Safe Harbour Regulation”).

Date	Aggregated daily volume (number of shares)	Daily weighted average share price (CHF)	Daily buyback amount (CHF)
Dec 22, 2022	228,000	28.163600	6,421,300.80
Dec 23, 2022	145,000	28.170100	4,084,664.50
Dec 27, 2022	132,000	28.523100	3,765,049.20
Dec 28, 2022	188,000	28.442800	5,347,246.40

All share purchases above have been carried out on a separate trading line on the SIX Swiss Exchange by a bank, on behalf of ABB. A full breakdown of the transactions pursuant to article 5.3 of MAR and article 2.3 of the Safe Harbour Regulation is attached to this announcement. The bank makes its trading decisions concerning the timing of share repurchases independently of ABB, within some defined parameters.

The total number of ABB Ltd shares which have been bought back within the current share buyback program from April 1, 2022, to and including December 28, 2022, is 59,671,000 shares.

Additional information is available on ABB’s investor relations website site at <https://global.abb/group/en/investors/investor-and-shareholder-resources/share-buybacks/2022>

**ABB** is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future. The company’s solutions connect engineering know-how and software to optimize how things are manufactured, moved, powered and operated. Building on more than 130 years of excellence, ABB’s ~105,000 employees are committed to driving innovations that accelerate industrial transformation. [www.abb.com](http://www.abb.com)

—  
For more information please contact:

**Media Relations**

Phone: +41 43 317 71 11

Email: [media.relations@ch.abb.com](mailto:media.relations@ch.abb.com)

**Investor Relations**

Phone: +41 43 317 71 11

Email: [investor.relations@ch.abb.com](mailto:investor.relations@ch.abb.com)

**ABB Ltd**

Affolternstrasse 44

8050 Zurich

Switzerland

## Appendix

Detailed individual transaction information:

All share purchases below were completed on a separate trading line on the SIX Swiss Exchange (Bloomberg ticker for SIX Exchange: SE)

Date	Time (CET)	Volume	Price	Exchange					
					2022-12-22	11:16:55	1,619	28.27	SE
2022-12-22	09:06:30	389	28.35	SE	2022-12-22	11:16:55	1,000	28.27	SE
2022-12-22	09:07:38	451	28.37	SE	2022-12-22	11:16:55	585	28.26	SE
2022-12-22	09:07:38	340	28.37	SE	2022-12-22	11:16:56	59	28.26	SE
2022-12-22	09:07:50	1,619	28.37	SE	2022-12-22	11:17:09	1,606	28.25	SE
2022-12-22	09:07:50	1,000	28.37	SE	2022-12-22	11:17:09	1,000	28.26	SE
2022-12-22	09:09:56	439	28.38	SE	2022-12-22	11:17:09	1,000	28.26	SE
2022-12-22	09:11:01	619	28.38	SE	2022-12-22	11:17:14	1,619	28.26	SE
2022-12-22	09:11:14	1,000	28.39	SE	2022-12-22	11:17:14	1,000	28.27	SE
2022-12-22	09:11:16	638	28.39	SE	2022-12-22	11:17:14	1,000	28.27	SE
2022-12-22	09:16:41	662	28.36	SE	2022-12-22	11:18:57	1,000	28.27	SE
2022-12-22	09:19:02	1,000	28.37	SE	2022-12-22	11:18:58	1,619	28.27	SE
2022-12-22	09:19:02	750	28.37	SE	2022-12-22	11:21:20	807	28.25	SE
2022-12-22	09:22:39	1,200	28.40	SE	2022-12-22	11:33:19	899	28.25	SE
2022-12-22	09:27:15	1,500	28.38	SE	2022-12-22	11:33:19	1,000	28.25	SE
2022-12-22	09:30:58	382	28.36	SE	2022-12-22	11:33:32	1,000	28.25	SE
2022-12-22	09:30:58	552	28.36	SE	2022-12-22	11:35:16	1,000	28.27	SE
2022-12-22	09:33:10	1,300	28.38	SE	2022-12-22	11:35:16	236	28.27	SE
2022-12-22	09:33:41	377	28.38	SE	2022-12-22	11:35:16	1,000	28.27	SE
2022-12-22	09:33:41	1,000	28.38	SE	2022-12-22	11:35:18	1,383	28.27	SE
2022-12-22	09:33:43	1,619	28.39	SE	2022-12-22	11:36:07	1,619	28.28	SE
2022-12-22	09:38:07	1,619	28.34	SE	2022-12-22	11:36:07	1,000	28.28	SE
2022-12-22	09:48:59	1,619	28.36	SE	2022-12-22	11:42:32	1,500	28.31	SE
2022-12-22	09:48:59	377	28.36	SE	2022-12-22	11:42:32	1,000	28.31	SE
2022-12-22	09:49:32	1,000	28.36	SE	2022-12-22	11:48:50	399	28.31	SE
2022-12-22	09:54:59	800	28.38	SE	2022-12-22	11:57:22	1,000	28.33	SE
2022-12-22	09:58:03	850	28.41	SE	2022-12-22	11:57:22	1,000	28.33	SE
2022-12-22	10:03:17	1,619	28.44	SE	2022-12-22	11:57:22	1,619	28.33	SE
2022-12-22	10:03:17	1,000	28.44	SE	2022-12-22	12:00:24	900	28.32	SE
2022-12-22	10:23:13	954	28.37	SE	2022-12-22	12:00:24	1,334	28.32	SE
2022-12-22	10:23:16	1,000	28.38	SE	2022-12-22	12:00:24	1,000	28.32	SE
2022-12-22	10:39:11	404	28.36	SE	2022-12-22	12:07:33	1,000	28.31	SE
2022-12-22	10:40:13	1,400	28.36	SE	2022-12-22	12:07:33	22	28.30	SE
2022-12-22	10:40:13	1,000	28.36	SE	2022-12-22	12:07:33	1,137	28.31	SE
2022-12-22	10:42:19	1,619	28.38	SE	2022-12-22	12:11:09	956	28.29	SE
2022-12-22	11:09:40	1,704	28.28	SE	2022-12-22	12:25:35	1,000	28.28	SE
2022-12-22	11:16:52	1,000	28.26	SE	2022-12-22	12:25:35	1,619	28.28	SE
2022-12-22	11:16:52	314	28.26	SE	2022-12-22	12:39:53	1,429	28.31	SE
2022-12-22	11:16:52	883	28.26	SE	2022-12-22	12:39:53	1,000	28.31	SE
2022-12-22	11:16:52	1,619	28.26	SE	2022-12-22	12:42:34	1,000	28.30	SE
2022-12-22	11:16:52	1,000	28.26	SE	2022-12-22	12:58:04	1,000	28.31	SE

2022-12-22	12:58:04	1,619	28.31	SE	2022-12-22	14:56:19	550	28.18	SE
2022-12-22	13:12:22	1,000	28.29	SE	2022-12-22	15:05:39	420	28.20	SE
2022-12-22	13:12:22	388	28.29	SE	2022-12-22	15:08:17	1,000	28.20	SE
2022-12-22	13:12:25	351	28.29	SE	2022-12-22	15:08:18	653	28.20	SE
2022-12-22	13:25:28	1,000	28.27	SE	2022-12-22	15:08:18	1,000	28.20	SE
2022-12-22	13:25:28	1,619	28.27	SE	2022-12-22	15:08:18	1,619	28.20	SE
2022-12-22	13:25:34	649	28.26	SE	2022-12-22	15:22:38	451	28.16	SE
2022-12-22	13:25:34	1,000	28.26	SE	2022-12-22	15:22:38	451	28.16	SE
2022-12-22	13:38:22	1,000	28.26	SE	2022-12-22	15:22:52	34	28.16	SE
2022-12-22	13:38:22	1,619	28.26	SE	2022-12-22	15:22:53	703	28.16	SE
2022-12-22	13:38:22	1,000	28.26	SE	2022-12-22	15:22:53	1,000	28.16	SE
2022-12-22	13:52:40	361	28.26	SE	2022-12-22	15:24:36	1,000	28.16	SE
2022-12-22	13:52:43	372	28.26	SE	2022-12-22	15:24:36	1,619	28.16	SE
2022-12-22	13:52:45	353	28.26	SE	2022-12-22	15:24:39	1,149	28.16	SE
2022-12-22	13:52:45	1,000	28.26	SE	2022-12-22	15:24:39	1,000	28.16	SE
2022-12-22	13:52:45	366	28.26	SE	2022-12-22	15:24:42	1,000	28.16	SE
2022-12-22	13:57:01	231	28.27	SE	2022-12-22	15:24:42	67	28.16	SE
2022-12-22	13:57:55	1,000	28.27	SE	2022-12-22	15:24:42	1,000	28.16	SE
2022-12-22	13:57:55	370	28.27	SE	2022-12-22	15:27:03	1,000	28.16	SE
2022-12-22	14:01:57	1,000	28.27	SE	2022-12-22	15:27:03	1,000	28.16	SE
2022-12-22	14:01:57	1,000	28.27	SE	2022-12-22	15:27:03	1,619	28.16	SE
2022-12-22	14:11:31	2,729	28.28	SE	2022-12-22	15:30:00	830	28.14	SE
2022-12-22	14:31:48	1,619	28.22	SE	2022-12-22	15:30:01	834	28.13	SE
2022-12-22	14:31:48	1,000	28.22	SE	2022-12-22	15:30:47	1,000	28.14	SE
2022-12-22	14:31:48	1,000	28.22	SE	2022-12-22	15:30:47	1,000	28.14	SE
2022-12-22	14:31:55	523	28.23	SE	2022-12-22	15:30:47	142	28.14	SE
2022-12-22	14:31:55	1,000	28.24	SE	2022-12-22	15:31:01	1,000	28.13	SE
2022-12-22	14:31:55	270	28.24	SE	2022-12-22	15:31:01	830	28.13	SE
2022-12-22	14:31:55	1,000	28.24	SE	2022-12-22	15:32:01	830	28.12	SE
2022-12-22	14:32:02	428	28.23	SE	2022-12-22	15:33:51	1,619	28.09	SE
2022-12-22	14:36:08	416	28.23	SE	2022-12-22	15:33:51	1,619	28.10	SE
2022-12-22	14:36:08	264	28.23	SE	2022-12-22	15:33:51	1,000	28.10	SE
2022-12-22	14:36:08	1,000	28.23	SE	2022-12-22	15:35:59	834	28.04	SE
2022-12-22	14:36:09	1,619	28.24	SE	2022-12-22	15:36:06	1,619	28.05	SE
2022-12-22	14:36:09	1,000	28.24	SE	2022-12-22	15:36:06	1,000	28.05	SE
2022-12-22	14:36:10	205	28.23	SE	2022-12-22	15:36:09	664	28.04	SE
2022-12-22	14:36:10	1	28.23	SE	2022-12-22	15:37:08	1,619	28.04	SE
2022-12-22	14:36:10	351	28.23	SE	2022-12-22	15:37:08	1,000	28.04	SE
2022-12-22	14:36:10	131	28.23	SE	2022-12-22	15:41:43	1,000	28.00	SE
2022-12-22	14:36:10	41	28.23	SE	2022-12-22	15:41:43	1,000	28.00	SE
2022-12-22	14:36:10	165	28.23	SE	2022-12-22	15:43:56	1,000	28.02	SE
2022-12-22	14:38:58	383	28.24	SE	2022-12-22	15:43:56	1,619	28.02	SE
2022-12-22	14:53:17	1,000	28.20	SE	2022-12-22	15:43:56	1,000	28.02	SE
2022-12-22	14:53:36	618	28.20	SE	2022-12-22	15:48:31	1,105	28.02	SE
2022-12-22	14:54:42	1,619	28.21	SE	2022-12-22	15:48:31	1,000	28.02	SE
2022-12-22	14:54:42	1,000	28.21	SE	2022-12-22	15:48:31	1,000	28.02	SE
2022-12-22	14:56:16	425	28.19	SE	2022-12-22	15:48:31	2,440	28.00	SE
2022-12-22	14:56:16	407	28.19	SE	2022-12-22	15:54:12	1,000	28.02	SE
2022-12-22	14:56:19	965	28.18	SE	2022-12-22	15:54:12	1,619	28.02	SE

2022-12-22	15:54:12	1,000	28.02	SE	2022-12-22	16:42:39	364	27.95	SE
2022-12-22	16:02:28	1,000	27.94	SE	2022-12-22	16:42:39	328	27.94	SE
2022-12-22	16:02:28	1,619	27.94	SE	2022-12-22	16:42:40	317	27.94	SE
2022-12-22	16:02:28	1,000	27.94	SE	2022-12-22	16:42:40	316	27.94	SE
2022-12-22	16:02:28	1,619	27.94	SE	2022-12-22	16:42:40	316	27.94	SE
2022-12-22	16:02:46	1,000	27.94	SE	2022-12-22	16:42:40	357	27.94	SE
2022-12-22	16:03:00	1,000	27.97	SE	2022-12-22	16:43:18	1,044	27.93	SE
2022-12-22	16:03:00	1,619	27.97	SE	2022-12-22	16:44:49	1,044	27.92	SE
2022-12-22	16:03:00	1,000	27.97	SE	2022-12-22	16:46:08	1,040	27.91	SE
2022-12-22	16:06:15	638	27.93	SE	2022-12-22	16:46:18	436	27.91	SE
2022-12-22	16:06:15	377	27.93	SE	2022-12-22	16:51:13	5,000	27.93	SE
2022-12-22	16:06:15	1,000	27.93	SE	2022-12-22	16:51:20	2,168	27.92	SE
2022-12-22	16:07:24	1,000	27.95	SE	2022-12-23	09:05:53	282	28.12	SE
2022-12-22	16:07:24	1,619	27.95	SE	2022-12-23	09:06:03	970	28.13	SE
2022-12-22	16:07:27	1,600	27.94	SE	2022-12-23	09:07:03	1,000	28.11	SE
2022-12-22	16:13:07	1,619	27.91	SE	2022-12-23	09:07:03	533	28.11	SE
2022-12-22	16:13:07	1,000	27.91	SE	2022-12-23	09:08:30	393	28.09	SE
2022-12-22	16:13:43	188	27.91	SE	2022-12-23	09:12:38	3,535	28.11	SE
2022-12-22	16:13:43	1,000	27.91	SE	2022-12-23	09:20:58	1,140	28.10	SE
2022-12-22	16:13:47	513	27.91	SE	2022-12-23	09:20:58	1,000	28.10	SE
2022-12-22	16:14:52	1,619	27.93	SE	2022-12-23	09:20:58	829	28.10	SE
2022-12-22	16:14:52	1,000	27.93	SE	2022-12-23	09:32:34	1,619	28.13	SE
2022-12-22	16:15:10	493	27.91	SE	2022-12-23	09:32:34	1,000	28.13	SE
2022-12-22	16:16:29	1,040	27.92	SE	2022-12-23	09:33:10	750	28.09	SE
2022-12-22	16:19:26	1,000	27.98	SE	2022-12-23	09:36:37	1,619	28.11	SE
2022-12-22	16:19:26	1,619	27.98	SE	2022-12-23	09:36:37	1,000	28.11	SE
2022-12-22	16:19:26	377	27.98	SE	2022-12-23	09:40:47	1,000	28.11	SE
2022-12-22	16:19:26	1,619	27.98	SE	2022-12-23	09:42:07	750	28.14	SE
2022-12-22	16:25:22	1,520	27.96	SE	2022-12-23	09:51:21	1,619	28.08	SE
2022-12-22	16:26:16	1,000	27.97	SE	2022-12-23	09:51:21	1,000	28.08	SE
2022-12-22	16:26:16	1,040	27.97	SE	2022-12-23	09:51:27	1,000	28.08	SE
2022-12-22	16:27:14	1,619	27.98	SE	2022-12-23	09:51:27	1,000	28.09	SE
2022-12-22	16:27:14	1,000	27.98	SE	2022-12-23	09:51:52	1,619	28.09	SE
2022-12-22	16:33:00	1,000	27.95	SE	2022-12-23	09:54:00	382	28.09	SE
2022-12-22	16:36:20	1,000	27.94	SE	2022-12-23	10:36:18	1,000	28.14	SE
2022-12-22	16:36:20	1,044	27.94	SE	2022-12-23	10:36:19	1,000	28.14	SE
2022-12-22	16:37:40	1,619	27.94	SE	2022-12-23	10:36:19	1,619	28.14	SE
2022-12-22	16:41:29	337	27.94	SE	2022-12-23	10:36:34	1,000	28.13	SE
2022-12-22	16:41:29	349	27.94	SE	2022-12-23	10:36:34	1,619	28.13	SE
2022-12-22	16:41:29	327	27.94	SE	2022-12-23	10:36:34	1,000	28.13	SE
2022-12-22	16:41:29	373	27.94	SE	2022-12-23	10:36:56	1,000	28.13	SE
2022-12-22	16:41:30	367	27.94	SE	2022-12-23	10:36:56	1,619	28.13	SE
2022-12-22	16:42:36	363	27.94	SE	2022-12-23	10:36:56	1,000	28.13	SE
2022-12-22	16:42:36	870	27.94	SE	2022-12-23	10:41:07	440	28.12	SE
2022-12-22	16:42:37	323	27.94	SE	2022-12-23	10:44:42	1,000	28.13	SE
2022-12-22	16:42:39	323	27.95	SE	2022-12-23	10:44:43	612	28.13	SE
2022-12-22	16:42:39	305	27.95	SE	2022-12-23	11:12:24	1,000	28.22	SE
2022-12-22	16:42:39	337	27.95	SE	2022-12-23	11:12:24	1,000	28.22	SE
2022-12-22	16:42:39	357	27.95	SE	2022-12-23	11:12:26	1,619	28.22	SE

2022-12-23	11:18:15	670	28.25	SE	2022-12-23	15:12:11	714	28.13	SE
2022-12-23	11:18:15	1,000	28.25	SE	2022-12-23	15:12:11	586	28.13	SE
2022-12-23	11:26:05	1,619	28.25	SE	2022-12-23	15:12:12	1,000	28.14	SE
2022-12-23	11:26:05	1,000	28.25	SE	2022-12-23	15:12:12	1,619	28.14	SE
2022-12-23	11:26:07	1,000	28.25	SE	2022-12-23	15:12:15	1,000	28.14	SE
2022-12-23	11:33:45	670	28.26	SE	2022-12-23	15:12:15	1,000	28.14	SE
2022-12-23	11:43:56	668	28.25	SE	2022-12-23	15:12:19	1,619	28.14	SE
2022-12-23	11:43:56	1,000	28.25	SE	2022-12-23	15:12:22	1,000	28.14	SE
2022-12-23	11:58:44	1,619	28.25	SE	2022-12-23	15:12:24	332	28.14	SE
2022-12-23	11:58:44	1,000	28.25	SE	2022-12-23	15:12:24	404	28.14	SE
2022-12-23	11:58:45	1,619	28.25	SE	2022-12-23	15:16:06	1,000	28.16	SE
2022-12-23	11:58:45	367	28.25	SE	2022-12-23	15:16:06	1,619	28.16	SE
2022-12-23	11:58:45	1,000	28.25	SE	2022-12-23	15:16:30	672	28.15	SE
2022-12-23	12:01:14	1,000	28.25	SE	2022-12-23	15:17:04	1,000	28.16	SE
2022-12-23	12:12:52	1,619	28.27	SE	2022-12-23	15:17:49	1,000	28.16	SE
2022-12-23	12:12:52	1,000	28.27	SE	2022-12-23	15:17:49	1,000	28.16	SE
2022-12-23	12:12:52	1,000	28.27	SE	2022-12-23	15:17:49	424	28.16	SE
2022-12-23	12:27:57	1,000	28.25	SE	2022-12-23	15:22:29	9	28.14	SE
2022-12-23	12:27:57	1,000	28.25	SE	2022-12-23	15:23:34	1,000	28.14	SE
2022-12-23	13:23:17	1,000	28.19	SE	2022-12-23	15:23:34	425	28.14	SE
2022-12-23	13:23:17	1,000	28.19	SE	2022-12-23	15:23:34	1,000	28.14	SE
2022-12-23	13:23:17	1,619	28.19	SE	2022-12-23	15:27:40	3,238	28.14	SE
2022-12-23	13:42:37	354	28.19	SE	2022-12-23	15:30:15	1,619	28.14	SE
2022-12-23	13:42:37	1,000	28.19	SE	2022-12-23	15:30:15	1,000	28.14	SE
2022-12-23	13:42:37	1,000	28.19	SE	2022-12-23	15:30:15	1,000	28.14	SE
2022-12-23	13:42:39	1,619	28.19	SE	2022-12-23	15:37:51	981	28.10	SE
2022-12-23	13:42:39	1,000	28.19	SE	2022-12-23	15:38:56	1,000	28.11	SE
2022-12-23	13:44:02	3,238	28.22	SE	2022-12-23	15:38:56	1,000	28.11	SE
2022-12-23	13:48:32	456	28.21	SE	2022-12-23	15:42:29	1,000	28.15	SE
2022-12-23	14:29:55	1,130	28.20	SE	2022-12-23	15:42:29	1,000	28.15	SE
2022-12-23	14:30:16	377	28.08	SE	2022-12-23	16:00:12	1,619	28.15	SE
2022-12-23	14:31:13	400	28.18	SE	2022-12-23	16:00:46	518	28.22	SE
2022-12-23	14:31:13	1,000	28.18	SE	2022-12-23	16:11:19	660	28.19	SE
2022-12-23	14:31:15	426	28.18	SE	2022-12-23	16:11:19	1,000	28.19	SE
2022-12-23	14:31:15	399	28.16	SE	2022-12-23	16:12:17	483	28.17	SE
2022-12-23	14:31:18	587	28.15	SE	2022-12-23	16:12:19	1,619	28.17	SE
2022-12-23	14:31:22	1,619	28.17	SE	2022-12-23	16:12:19	1,000	28.17	SE
2022-12-23	14:31:22	1,000	28.17	SE	2022-12-23	16:14:18	1,619	28.17	SE
2022-12-23	14:31:53	354	28.17	SE	2022-12-23	16:14:18	1,000	28.17	SE
2022-12-23	14:32:06	490	28.17	SE	2022-12-23	16:14:18	1,000	28.17	SE
2022-12-23	14:32:55	204	28.13	SE	2022-12-23	16:18:17	1,619	28.23	SE
2022-12-23	14:36:16	377	28.16	SE	2022-12-23	16:18:17	1,000	28.23	SE
2022-12-23	14:40:03	586	28.26	SE	2022-12-23	16:18:24	1,000	28.23	SE
2022-12-23	15:11:42	1,000	28.14	SE	2022-12-23	16:18:24	1,000	28.23	SE
2022-12-23	15:11:42	1,000	28.14	SE	2022-12-23	16:18:30	1,619	28.23	SE
2022-12-23	15:11:48	1,619	28.14	SE	2022-12-23	16:20:39	505	28.23	SE
2022-12-23	15:11:53	1,000	28.14	SE	2022-12-23	16:20:41	1,000	28.23	SE
2022-12-23	15:11:53	1,000	28.14	SE	2022-12-23	16:22:25	1,619	28.23	SE
2022-12-23	15:11:56	1,619	28.14	SE	2022-12-23	16:22:25	1,000	28.23	SE

2022-12-23	16:22:25	483	28.23	SE	2022-12-27	11:34:42	644	28.56	SE
2022-12-23	16:22:29	904	28.22	SE	2022-12-27	11:34:47	1,619	28.57	SE
2022-12-23	16:22:30	525	28.22	SE	2022-12-27	11:46:19	881	28.56	SE
2022-12-23	16:22:30	1,260	28.22	SE	2022-12-27	11:50:55	5	28.57	SE
2022-12-23	16:22:34	526	28.22	SE	2022-12-27	11:52:01	372	28.58	SE
2022-12-23	16:22:35	1,000	28.23	SE	2022-12-27	11:53:25	1,323	28.58	SE
2022-12-23	16:22:37	269	28.23	SE	2022-12-27	11:57:02	662	28.56	SE
2022-12-27	09:06:36	1,000	28.49	SE	2022-12-27	11:57:18	882	28.56	SE
2022-12-27	09:06:39	1,000	28.49	SE	2022-12-27	11:57:25	430	28.56	SE
2022-12-27	09:21:45	1,619	28.52	SE	2022-12-27	11:57:25	1,619	28.56	SE
2022-12-27	09:27:10	1,619	28.53	SE	2022-12-27	12:06:44	881	28.57	SE
2022-12-27	09:36:07	601	28.50	SE	2022-12-27	12:11:49	1,502	28.57	SE
2022-12-27	09:41:31	1,619	28.47	SE	2022-12-27	12:27:01	1,619	28.57	SE
2022-12-27	09:43:57	1,619	28.49	SE	2022-12-27	13:04:12	1,619	28.57	SE
2022-12-27	09:45:45	1,619	28.50	SE	2022-12-27	13:04:42	420	28.56	SE
2022-12-27	10:00:15	861	28.42	SE	2022-12-27	13:05:17	354	28.55	SE
2022-12-27	10:00:15	550	28.42	SE	2022-12-27	13:15:36	5,000	28.53	SE
2022-12-27	10:00:16	894	28.42	SE	2022-12-27	13:44:19	1,619	28.51	SE
2022-12-27	10:12:57	1,619	28.41	SE	2022-12-27	13:49:01	1,619	28.53	SE
2022-12-27	10:13:02	1,619	28.41	SE	2022-12-27	13:49:01	1,619	28.54	SE
2022-12-27	10:13:10	1,274	28.41	SE	2022-12-27	13:52:59	1,619	28.53	SE
2022-12-27	10:13:15	1,619	28.42	SE	2022-12-27	14:04:02	377	28.55	SE
2022-12-27	10:13:27	1,619	28.43	SE	2022-12-27	14:04:16	1,389	28.55	SE
2022-12-27	10:13:36	1,619	28.44	SE	2022-12-27	14:12:49	373	28.56	SE
2022-12-27	10:13:39	48	28.43	SE	2022-12-27	14:12:49	5,000	28.57	SE
2022-12-27	10:13:54	703	28.44	SE	2022-12-27	14:12:50	1,427	28.56	SE
2022-12-27	10:14:23	1,619	28.44	SE	2022-12-27	14:27:12	1,619	28.59	SE
2022-12-27	10:14:54	195	28.42	SE	2022-12-27	14:31:31	1,139	28.58	SE
2022-12-27	10:16:10	377	28.41	SE	2022-12-27	14:33:49	421	28.60	SE
2022-12-27	10:19:30	1,619	28.42	SE	2022-12-27	14:33:49	1,619	28.60	SE
2022-12-27	10:19:30	377	28.42	SE	2022-12-27	14:34:09	954	28.59	SE
2022-12-27	10:20:10	120	28.43	SE	2022-12-27	14:34:09	460	28.59	SE
2022-12-27	10:20:14	811	28.44	SE	2022-12-27	14:34:36	1,511	28.59	SE
2022-12-27	10:21:16	2,490	28.45	SE	2022-12-27	14:35:41	970	28.59	SE
2022-12-27	10:21:37	1,619	28.45	SE	2022-12-27	14:35:41	1,134	28.59	SE
2022-12-27	10:21:43	1,619	28.45	SE	2022-12-27	14:45:30	1,619	28.56	SE
2022-12-27	10:35:09	1,619	28.52	SE	2022-12-27	14:45:32	50	28.55	SE
2022-12-27	10:37:12	1,250	28.50	SE	2022-12-27	14:46:57	1,619	28.56	SE
2022-12-27	10:37:21	1,619	28.51	SE	2022-12-27	14:56:09	1,619	28.58	SE
2022-12-27	10:47:07	704	28.53	SE	2022-12-27	15:00:51	1,619	28.56	SE
2022-12-27	10:48:11	1,367	28.53	SE	2022-12-27	15:01:18	410	28.56	SE
2022-12-27	10:48:18	680	28.53	SE	2022-12-27	15:01:18	220	28.56	SE
2022-12-27	10:48:42	861	28.53	SE	2022-12-27	15:01:18	48	28.56	SE
2022-12-27	11:03:37	796	28.53	SE	2022-12-27	15:06:19	1,134	28.57	SE
2022-12-27	11:04:08	1,619	28.54	SE	2022-12-27	15:08:47	377	28.59	SE
2022-12-27	11:18:36	1,619	28.53	SE	2022-12-27	15:08:48	1,388	28.59	SE
2022-12-27	11:33:08	633	28.57	SE	2022-12-27	15:12:54	1,562	28.55	SE
2022-12-27	11:33:16	666	28.56	SE	2022-12-27	15:17:24	3,038	28.57	SE
2022-12-27	11:34:41	695	28.57	SE	2022-12-27	15:33:09	1,619	28.56	SE

2022-12-27	15:36:02	1,619	28.54	SE	2022-12-28	09:44:35	1,200	28.55	SE
2022-12-27	15:36:11	1,619	28.53	SE	2022-12-28	09:45:34	8	28.56	SE
2022-12-27	15:36:30	1,619	28.54	SE	2022-12-28	09:46:44	579	28.53	SE
2022-12-27	15:45:13	1,619	28.52	SE	2022-12-28	09:46:46	591	28.53	SE
2022-12-27	15:48:10	1,619	28.51	SE	2022-12-28	09:46:59	1,619	28.54	SE
2022-12-27	15:48:17	1,619	28.52	SE	2022-12-28	09:55:07	1,619	28.48	SE
2022-12-27	15:48:32	1,619	28.51	SE	2022-12-28	09:55:24	682	28.48	SE
2022-12-27	15:53:38	1,619	28.53	SE	2022-12-28	10:12:46	377	28.45	SE
2022-12-27	15:53:38	1,311	28.53	SE	2022-12-28	10:13:05	861	28.46	SE
2022-12-27	15:53:38	1,619	28.53	SE	2022-12-28	10:13:05	1,619	28.46	SE
2022-12-27	16:02:38	522	28.46	SE	2022-12-28	10:30:08	1,619	28.41	SE
2022-12-27	16:02:39	1,357	28.46	SE	2022-12-28	10:30:20	1,619	28.41	SE
2022-12-27	16:03:09	100	28.46	SE	2022-12-28	10:30:29	1,619	28.41	SE
2022-12-27	16:03:18	1,381	28.46	SE	2022-12-28	10:31:08	1,140	28.42	SE
2022-12-27	16:03:18	1,619	28.46	SE	2022-12-28	10:31:35	377	28.42	SE
2022-12-27	16:25:56	402	28.59	SE	2022-12-28	10:50:53	1,619	28.47	SE
2022-12-27	16:25:56	1,619	28.59	SE	2022-12-28	10:50:58	358	28.47	SE
2022-12-28	09:04:28	386	28.60	SE	2022-12-28	10:51:15	1,601	28.48	SE
2022-12-28	09:04:34	386	28.59	SE	2022-12-28	11:13:14	1,695	28.50	SE
2022-12-28	09:07:04	1,619	28.62	SE	2022-12-28	12:02:55	754	28.54	SE
2022-12-28	09:07:04	250	28.60	SE	2022-12-28	12:02:55	550	28.54	SE
2022-12-28	09:09:07	386	28.57	SE	2022-12-28	12:03:32	1,619	28.55	SE
2022-12-28	09:09:07	1,026	28.57	SE	2022-12-28	12:20:14	1,246	28.51	SE
2022-12-28	09:09:14	366	28.57	SE	2022-12-28	12:20:19	1,619	28.52	SE
2022-12-28	09:09:19	903	28.57	SE	2022-12-28	12:24:27	1,619	28.52	SE
2022-12-28	09:09:20	356	28.57	SE	2022-12-28	12:25:15	755	28.52	SE
2022-12-28	09:09:28	14	28.57	SE	2022-12-28	12:25:15	394	28.52	SE
2022-12-28	09:09:32	386	28.57	SE	2022-12-28	12:25:30	1,619	28.53	SE
2022-12-28	09:09:34	1,619	28.58	SE	2022-12-28	12:42:27	1,619	28.52	SE
2022-12-28	09:10:03	386	28.57	SE	2022-12-28	12:51:27	755	28.52	SE
2022-12-28	09:11:41	7	28.61	SE	2022-12-28	12:59:04	376	28.52	SE
2022-12-28	09:11:43	434	28.61	SE	2022-12-28	12:59:07	392	28.52	SE
2022-12-28	09:11:54	386	28.59	SE	2022-12-28	13:00:44	944	28.52	SE
2022-12-28	09:11:54	450	28.59	SE	2022-12-28	13:01:35	1,619	28.53	SE
2022-12-28	09:15:56	476	28.59	SE	2022-12-28	13:20:28	1,619	28.58	SE
2022-12-28	09:16:03	496	28.59	SE	2022-12-28	13:38:37	1,619	28.55	SE
2022-12-28	09:16:17	988	28.59	SE	2022-12-28	13:38:37	376	28.55	SE
2022-12-28	09:17:53	1,619	28.60	SE	2022-12-28	13:55:15	343	28.54	SE
2022-12-28	09:25:47	1,619	28.54	SE	2022-12-28	13:55:31	356	28.54	SE
2022-12-28	09:26:32	633	28.55	SE	2022-12-28	13:55:48	1,210	28.55	SE
2022-12-28	09:26:34	603	28.55	SE	2022-12-28	13:55:48	349	28.55	SE
2022-12-28	09:27:03	1,306	28.56	SE	2022-12-28	14:10:37	1,619	28.50	SE
2022-12-28	09:27:38	896	28.56	SE	2022-12-28	14:10:41	1,619	28.50	SE
2022-12-28	09:27:50	1,557	28.55	SE	2022-12-28	14:10:43	937	28.51	SE
2022-12-28	09:27:50	377	28.55	SE	2022-12-28	14:10:44	20	28.50	SE
2022-12-28	09:30:02	470	28.54	SE	2022-12-28	14:10:44	20	28.50	SE
2022-12-28	09:30:32	1,100	28.53	SE	2022-12-28	14:10:44	20	28.50	SE
2022-12-28	09:44:00	412	28.55	SE	2022-12-28	14:10:44	20	28.50	SE
2022-12-28	09:44:27	1,226	28.56	SE	2022-12-28	14:10:44	1,619	28.51	SE





2022-12-28	15:37:55	1,522	28.48	SE	2022-12-28	16:36:56	1,619	28.32	SE
2022-12-28	15:37:55	500	28.48	SE	2022-12-28	16:36:56	1,619	28.33	SE
2022-12-28	15:41:42	490	28.48	SE	2022-12-28	16:36:56	1,619	28.33	SE
2022-12-28	15:50:48	825	28.45	SE	2022-12-28	16:36:56	1,619	28.32	SE
2022-12-28	15:51:23	1,619	28.43	SE	2022-12-28	16:37:03	11	28.32	SE
2022-12-28	15:53:25	1,619	28.41	SE	2022-12-28	16:37:05	1,619	28.32	SE
2022-12-28	15:53:29	1,619	28.41	SE	2022-12-28	16:37:05	377	28.32	SE
2022-12-28	15:53:32	1,619	28.41	SE	2022-12-28	16:39:33	1,619	28.31	SE
2022-12-28	15:54:32	1,619	28.41	SE	2022-12-28	16:39:33	1,619	28.31	SE
2022-12-28	15:55:48	1,619	28.42	SE	2022-12-28	16:40:19	11	28.32	SE
2022-12-28	16:01:43	1,619	28.43	SE	2022-12-28	16:40:19	1,619	28.32	SE
2022-12-28	16:01:46	1,228	28.43	SE	2022-12-28	16:40:32	506	28.32	SE
2022-12-28	16:01:47	484	28.43	SE	2022-12-28	16:41:15	511	28.33	SE
2022-12-28	16:05:08	1,619	28.42	SE	2022-12-28	16:41:17	488	28.33	SE
2022-12-28	16:05:15	34	28.42	SE	2022-12-28	16:41:22	377	28.33	SE
2022-12-28	16:05:28	377	28.42	SE	2022-12-28	16:41:27	515	28.33	SE
2022-12-28	16:05:34	981	28.42	SE	2022-12-28	16:41:31	510	28.33	SE
2022-12-28	16:05:50	861	28.42	SE	2022-12-28	16:42:16	1,604	28.33	SE
2022-12-28	16:07:10	527	28.41	SE	2022-12-28	16:42:20	1,619	28.33	SE
2022-12-28	16:07:11	377	28.41	SE	2022-12-28	16:42:20	377	28.33	SE
2022-12-28	16:07:12	511	28.41	SE	2022-12-28	16:43:18	825	28.32	SE
2022-12-28	16:07:13	515	28.41	SE	2022-12-28	16:43:48	896	28.32	SE
2022-12-28	16:07:20	493	28.41	SE	2022-12-28	16:43:48	861	28.32	SE
2022-12-28	16:07:26	502	28.41	SE	2022-12-28	16:46:58	1,619	28.31	SE
2022-12-28	16:07:28	494	28.41	SE	2022-12-28	16:47:06	1,619	28.32	SE
2022-12-28	16:07:42	367	28.41	SE	2022-12-28	16:47:06	1,619	28.32	SE
2022-12-28	16:09:13	1,619	28.41	SE	2022-12-28	16:47:06	1,084	28.32	SE
2022-12-28	16:09:13	1,619	28.41	SE	2022-12-28	16:47:06	1,619	28.32	SE
2022-12-28	16:15:13	1,619	28.41	SE	2022-12-28	16:48:39	1,619	28.34	SE
2022-12-28	16:15:13	1,619	28.41	SE	2022-12-28	16:48:39	512	28.33	SE
2022-12-28	16:17:22	1,619	28.41	SE	2022-12-28	16:48:39	905	28.34	SE
2022-12-28	16:17:23	1,619	28.41	SE	2022-12-28	16:48:41	493	28.33	SE
2022-12-28	16:18:12	512	28.39	SE	2022-12-28	16:48:53	411	28.33	SE
2022-12-28	16:21:09	1,619	28.41	SE	2022-12-28	16:48:53	512	28.33	SE
2022-12-28	16:21:10	527	28.41	SE	2022-12-28	16:49:17	1,619	28.34	SE
2022-12-28	16:25:02	1,619	28.38	SE	2022-12-28	16:49:17	1,619	28.34	SE
2022-12-28	16:25:02	501	28.38	SE	2022-12-28	16:49:17	310	28.34	SE
2022-12-28	16:25:18	831	28.37	SE					
2022-12-28	16:25:52	42	28.36	SE					
2022-12-28	16:25:52	527	28.36	SE					
2022-12-28	16:25:53	34	28.36	SE					
2022-12-28	16:25:57	29	28.36	SE					
2022-12-28	16:25:58	511	28.36	SE					
2022-12-28	16:25:59	1,619	28.36	SE					
2022-12-28	16:27:38	1,619	28.34	SE					
2022-12-28	16:27:38	485	28.34	SE					
2022-12-28	16:28:03	1,619	28.35	SE					
2022-12-28	16:28:03	1,619	28.35	SE					
2022-12-28	16:29:26	1,573	28.31	SE					