

ZURICH, SWITZERLAND, DECEMBER 15, 2022

# ABB share buybacks

December 8, 2022 – December 14, 2022

During the period December 8, 2022, to December 14, 2022, ABB repurchased a total of 665,000 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 8, 2022	170,000	28.901600	4,913,272.00
Dec 9, 2022	115,000	29.078200	3,343,993.00
Dec 12, 2022	130,000	29.040400	3,775,252.00
Dec 13, 2022	120,000	29.470400	3,536,448.00
Dec 14, 2022	130,000	29.486500	3,833,245.00

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 14, 2022, is 58,195,000 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)

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**ABB Ltd**

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## 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					
					2022-12-08	11:22:00	1,000	29.00	SE
2022-12-08	09:05:09	1,000	29.02	SE	2022-12-08	11:24:05	1,972	29.03	SE
2022-12-08	09:05:46	1,000	29.04	SE	2022-12-08	11:59:35	1	28.96	SE
2022-12-08	09:06:47	1,000	29.02	SE	2022-12-08	12:00:02	549	28.96	SE
2022-12-08	09:06:49	1,000	29.02	SE	2022-12-08	12:00:02	1,000	28.96	SE
2022-12-08	09:07:23	1,000	29.00	SE	2022-12-08	12:03:49	1,587	28.96	SE
2022-12-08	09:07:50	1,000	29.01	SE	2022-12-08	12:04:56	1,587	28.98	SE
2022-12-08	09:07:50	1,000	29.01	SE	2022-12-08	12:04:56	1,000	28.98	SE
2022-12-08	09:13:34	1,000	28.97	SE	2022-12-08	12:08:04	1,276	28.98	SE
2022-12-08	09:17:06	374	28.98	SE	2022-12-08	12:08:04	1,000	28.98	SE
2022-12-08	09:17:19	374	28.97	SE	2022-12-08	12:08:04	1,587	28.98	SE
2022-12-08	09:18:04	553	28.94	SE	2022-12-08	12:08:04	1,000	28.98	SE
2022-12-08	09:19:00	74	28.96	SE	2022-12-08	12:08:10	1,000	28.98	SE
2022-12-08	09:19:00	1,000	28.96	SE	2022-12-08	12:25:47	1,000	28.97	SE
2022-12-08	09:19:10	166	28.96	SE	2022-12-08	12:25:47	1,049	28.97	SE
2022-12-08	09:19:34	51	28.96	SE	2022-12-08	12:38:07	548	28.97	SE
2022-12-08	09:20:12	370	28.92	SE	2022-12-08	12:43:33	403	28.98	SE
2022-12-08	09:21:21	1,587	28.92	SE	2022-12-08	12:43:35	1,000	28.99	SE
2022-12-08	09:21:21	1,000	28.92	SE	2022-12-08	12:43:35	1,587	28.99	SE
2022-12-08	09:37:18	374	28.97	SE	2022-12-08	12:44:57	549	28.98	SE
2022-12-08	09:41:37	273	28.95	SE	2022-12-08	12:56:01	1,500	28.96	SE
2022-12-08	09:41:59	82	28.96	SE	2022-12-08	12:56:08	1,587	28.97	SE
2022-12-08	09:43:15	1,587	28.95	SE	2022-12-08	12:56:08	1,000	28.97	SE
2022-12-08	09:43:15	377	28.95	SE	2022-12-08	12:56:12	1,000	28.97	SE
2022-12-08	09:54:11	1,587	29.01	SE	2022-12-08	12:56:12	1,000	28.97	SE
2022-12-08	09:54:11	1,000	29.01	SE	2022-12-08	13:03:34	371	28.95	SE
2022-12-08	10:00:34	1,156	29.03	SE	2022-12-08	13:14:34	1,587	28.94	SE
2022-12-08	10:01:09	5,000	29.04	SE	2022-12-08	13:14:34	1,000	28.94	SE
2022-12-08	10:10:00	1,384	28.99	SE	2022-12-08	13:14:36	1,409	28.94	SE
2022-12-08	10:10:00	1,000	28.99	SE	2022-12-08	13:14:36	1,000	28.94	SE
2022-12-08	10:10:00	1,000	28.99	SE	2022-12-08	13:17:17	2,136	28.95	SE
2022-12-08	10:28:43	4,000	29.00	SE	2022-12-08	14:02:11	549	28.93	SE
2022-12-08	10:47:17	1,587	29.00	SE	2022-12-08	14:17:20	1,000	28.92	SE
2022-12-08	10:47:17	1,000	29.00	SE	2022-12-08	14:17:20	434	28.92	SE
2022-12-08	11:06:25	1,000	29.04	SE	2022-12-08	14:17:20	1,000	28.92	SE
2022-12-08	11:10:20	950	29.04	SE	2022-12-08	14:18:40	1,147	28.92	SE
2022-12-08	11:15:26	1,000	29.03	SE	2022-12-08	14:18:40	1,000	28.92	SE
2022-12-08	11:15:27	377	29.03	SE	2022-12-08	14:18:40	1,000	28.92	SE
2022-12-08	11:15:36	955	29.03	SE	2022-12-08	14:42:00	407	28.86	SE
2022-12-08	11:15:36	351	29.03	SE	2022-12-08	14:48:55	842	28.86	SE
2022-12-08	11:15:36	1,000	29.03	SE	2022-12-08	14:48:55	1,000	28.87	SE

2022-12-08	14:48:55	1,000	28.87	SE	2022-12-08	16:20:08	1,000	28.81	SE
2022-12-08	14:52:21	205	28.84	SE	2022-12-08	16:21:25	1,000	28.82	SE
2022-12-08	14:56:03	1,587	28.86	SE	2022-12-08	16:34:32	3,535	28.85	SE
2022-12-08	14:56:03	1,000	28.86	SE	2022-12-08	16:43:41	579	28.82	SE
2022-12-08	15:07:07	416	28.83	SE	2022-12-08	16:43:41	1,000	28.83	SE
2022-12-08	15:13:47	1,000	28.76	SE	2022-12-08	16:43:41	1,000	28.83	SE
2022-12-08	15:13:47	1,000	28.76	SE	2022-12-08	16:43:49	1,000	28.84	SE
2022-12-08	15:16:13	823	28.75	SE	2022-12-08	16:43:49	1,587	28.84	SE
2022-12-08	15:16:13	1,000	28.75	SE	2022-12-08	16:43:49	1,000	28.84	SE
2022-12-08	15:16:21	142	28.76	SE	2022-12-08	16:43:52	1,587	28.85	SE
2022-12-08	15:16:21	1,000	28.76	SE	2022-12-08	16:46:27	1,587	28.86	SE
2022-12-08	15:16:26	1,000	28.77	SE	2022-12-08	16:46:27	1,485	28.87	SE
2022-12-08	15:16:26	1,000	28.77	SE	2022-12-08	16:46:27	1,000	28.87	SE
2022-12-08	15:23:44	1,000	28.76	SE	2022-12-08	16:46:39	1,587	28.86	SE
2022-12-08	15:23:44	377	28.76	SE	2022-12-08	16:46:50	492	28.85	SE
2022-12-08	15:23:45	416	28.76	SE	2022-12-08	16:47:01	1,587	28.86	SE
2022-12-08	15:24:02	577	28.77	SE	2022-12-08	16:48:25	410	28.86	SE
2022-12-08	15:24:02	1,000	28.77	SE	2022-12-08	16:48:25	1,000	28.86	SE
2022-12-08	15:30:45	1,000	28.80	SE	2022-12-08	16:49:00	520	28.86	SE
2022-12-08	15:30:45	1,587	28.80	SE	2022-12-08	16:49:00	1,000	28.86	SE
2022-12-08	15:30:58	1,000	28.80	SE	2022-12-08	16:52:15	1,000	28.86	SE
2022-12-08	15:30:59	1,000	28.80	SE	2022-12-08	16:52:15	343	28.86	SE
2022-12-08	15:31:08	5	28.78	SE	2022-12-08	16:52:16	447	28.86	SE
2022-12-08	15:31:08	1,000	28.78	SE	2022-12-08	16:52:31	1,458	28.85	SE
2022-12-08	15:31:08	1,000	28.78	SE	2022-12-08	16:52:31	1,000	28.86	SE
2022-12-08	15:31:19	1,000	28.77	SE	2022-12-08	16:52:31	1,000	28.86	SE
2022-12-08	15:31:19	505	28.77	SE	2022-12-08	16:52:41	1,000	28.86	SE
2022-12-08	15:31:41	1,587	28.79	SE	2022-12-08	16:52:41	1,000	28.86	SE
2022-12-08	15:31:41	1,000	28.79	SE	2022-12-08	16:52:47	1,000	28.86	SE
2022-12-08	15:33:34	636	28.79	SE	2022-12-08	16:52:47	1,000	28.86	SE
2022-12-08	15:33:34	1,000	28.79	SE	2022-12-08	16:53:04	757	28.86	SE
2022-12-08	15:40:33	3,535	28.80	SE	2022-12-08	16:53:05	1,511	28.86	SE
2022-12-08	15:55:24	1,000	28.85	SE	2022-12-08	16:53:05	1,000	28.86	SE
2022-12-08	15:55:25	1,587	28.85	SE	2022-12-08	16:53:05	522	28.86	SE
2022-12-08	15:56:00	1,000	28.85	SE	2022-12-08	16:53:33	491	28.86	SE
2022-12-08	16:02:54	1,000	28.84	SE	2022-12-08	16:53:34	384	28.86	SE
2022-12-08	16:02:54	1,000	28.84	SE	2022-12-09	09:08:25	1,587	28.99	SE
2022-12-08	16:04:34	1,046	28.84	SE	2022-12-09	09:11:46	1,000	28.94	SE
2022-12-08	16:04:44	1,000	28.85	SE	2022-12-09	09:11:46	1,000	28.94	SE
2022-12-08	16:04:44	1,587	28.85	SE	2022-12-09	09:11:46	368	28.94	SE
2022-12-08	16:05:12	1,000	28.85	SE	2022-12-09	09:11:50	1,540	28.95	SE
2022-12-08	16:11:26	1,000	28.84	SE	2022-12-09	09:11:50	1,000	28.95	SE
2022-12-08	16:11:26	1,000	28.84	SE	2022-12-09	09:13:41	1,000	28.91	SE
2022-12-08	16:11:28	1,587	28.84	SE	2022-12-09	09:13:42	457	28.91	SE
2022-12-08	16:16:13	914	28.81	SE	2022-12-09	09:13:43	1,587	28.93	SE
2022-12-08	16:17:38	677	28.81	SE	2022-12-09	09:13:43	1,000	28.93	SE
2022-12-08	16:17:38	1,000	28.81	SE	2022-12-09	09:20:53	1,000	28.95	SE
2022-12-08	16:18:28	1,010	28.79	SE	2022-12-09	09:23:40	571	28.97	SE
2022-12-08	16:20:08	1,072	28.81	SE	2022-12-09	09:26:57	377	28.95	SE

2022-12-09	09:27:02	1,587	28.95	SE	2022-12-09	13:17:41	1,000	29.10	SE
2022-12-09	09:31:20	626	28.91	SE	2022-12-09	13:17:41	12	29.10	SE
2022-12-09	09:31:54	1,587	28.91	SE	2022-12-09	13:46:57	1,000	29.18	SE
2022-12-09	09:31:54	1,000	28.91	SE	2022-12-09	13:46:57	377	29.18	SE
2022-12-09	09:31:54	377	28.91	SE	2022-12-09	13:46:57	1,000	29.18	SE
2022-12-09	09:43:33	1,587	28.92	SE	2022-12-09	14:30:02	112	29.19	SE
2022-12-09	09:43:33	1,000	28.92	SE	2022-12-09	14:30:03	603	29.19	SE
2022-12-09	09:50:35	1,000	28.90	SE	2022-12-09	14:31:19	3,535	29.13	SE
2022-12-09	09:50:35	900	28.90	SE	2022-12-09	14:31:52	1,587	29.14	SE
2022-12-09	10:01:12	1,000	28.92	SE	2022-12-09	14:31:52	1,000	29.14	SE
2022-12-09	10:01:12	358	28.92	SE	2022-12-09	14:31:55	1,397	29.12	SE
2022-12-09	10:01:14	1,000	28.92	SE	2022-12-09	14:31:56	422	29.12	SE
2022-12-09	10:01:14	1,000	28.92	SE	2022-12-09	14:32:01	1,587	29.11	SE
2022-12-09	10:08:38	1,958	28.93	SE	2022-12-09	14:32:01	402	29.11	SE
2022-12-09	10:48:55	1,587	28.99	SE	2022-12-09	14:32:09	1,019	29.09	SE
2022-12-09	11:03:13	1,000	29.04	SE	2022-12-09	14:32:28	1,000	29.14	SE
2022-12-09	11:03:13	1,000	29.04	SE	2022-12-09	14:43:18	1,587	29.10	SE
2022-12-09	11:04:07	1,015	29.04	SE	2022-12-09	14:43:18	1,000	29.10	SE
2022-12-09	11:11:02	409	29.03	SE	2022-12-09	14:43:26	1,000	29.10	SE
2022-12-09	11:11:06	364	29.03	SE	2022-12-09	14:43:26	421	29.10	SE
2022-12-09	11:11:08	347	29.03	SE	2022-12-09	14:43:36	645	29.08	SE
2022-12-09	11:11:25	668	29.03	SE	2022-12-09	14:44:23	39	29.08	SE
2022-12-09	11:12:04	1,000	29.04	SE	2022-12-09	14:44:23	808	29.08	SE
2022-12-09	11:12:04	1,000	29.04	SE	2022-12-09	14:45:07	377	29.07	SE
2022-12-09	11:12:44	1,587	29.03	SE	2022-12-09	14:45:49	415	29.08	SE
2022-12-09	11:12:44	1,056	29.03	SE	2022-12-09	14:46:14	407	29.10	SE
2022-12-09	11:30:57	1,587	29.04	SE	2022-12-09	14:46:16	1,000	29.11	SE
2022-12-09	12:00:01	540	29.14	SE	2022-12-09	14:46:16	1,579	29.11	SE
2022-12-09	12:00:01	628	29.14	SE	2022-12-09	15:01:12	417	29.14	SE
2022-12-09	12:00:05	659	29.14	SE	2022-12-09	15:01:20	1,000	29.14	SE
2022-12-09	12:00:07	1,000	29.14	SE	2022-12-09	15:01:20	420	29.14	SE
2022-12-09	12:14:22	1,000	29.18	SE	2022-12-09	15:01:23	1,587	29.15	SE
2022-12-09	12:14:22	836	29.18	SE	2022-12-09	15:09:48	605	29.12	SE
2022-12-09	12:21:47	1,587	29.17	SE	2022-12-09	15:14:56	1,587	29.08	SE
2022-12-09	12:21:47	1,000	29.17	SE	2022-12-09	15:14:56	1,000	29.08	SE
2022-12-09	12:36:05	1,000	29.17	SE	2022-12-09	15:14:57	677	29.07	SE
2022-12-09	12:36:05	1,587	29.17	SE	2022-12-09	15:15:00	427	29.07	SE
2022-12-09	12:50:22	1,000	29.13	SE	2022-12-09	15:15:29	426	29.07	SE
2022-12-09	12:50:33	663	29.13	SE	2022-12-09	15:15:51	1,000	29.08	SE
2022-12-09	12:50:41	374	29.13	SE	2022-12-09	15:16:06	529	29.09	SE
2022-12-09	12:50:45	1,000	29.14	SE	2022-12-09	15:16:16	1,300	29.09	SE
2022-12-09	12:50:45	1,587	29.14	SE	2022-12-09	15:16:16	1,000	29.09	SE
2022-12-09	13:00:40	1,587	29.12	SE	2022-12-09	15:30:46	1,000	29.17	SE
2022-12-09	13:11:54	349	29.12	SE	2022-12-09	15:30:46	643	29.17	SE
2022-12-09	13:11:54	1,000	29.12	SE	2022-12-09	15:53:11	947	29.17	SE
2022-12-09	13:11:56	1,000	29.12	SE	2022-12-09	15:55:11	624	29.19	SE
2022-12-09	13:12:14	654	29.12	SE	2022-12-09	15:55:16	1,000	29.20	SE
2022-12-09	13:17:41	1,000	29.10	SE	2022-12-09	15:55:16	1,000	29.20	SE
2022-12-09	13:17:41	1,587	29.10	SE	2022-12-09	15:57:56	1,000	29.19	SE

2022-12-09	15:57:56	37	29.19	SE	2022-12-12	10:26:08	5,000	29.01	SE
2022-12-09	15:57:58	85	29.19	SE	2022-12-12	10:53:40	678	29.04	SE
2022-12-09	15:57:58	1,000	29.19	SE	2022-12-12	10:54:12	43	29.05	SE
2022-12-09	15:58:04	1,000	29.19	SE	2022-12-12	10:54:12	1,000	29.05	SE
2022-12-09	16:00:04	1,587	29.23	SE	2022-12-12	10:54:21	1,000	29.06	SE
2022-12-09	16:09:32	1,000	29.21	SE	2022-12-12	10:54:21	1,000	29.06	SE
2022-12-09	16:09:32	22	29.21	SE	2022-12-12	10:59:14	1,000	29.07	SE
2022-12-09	16:09:32	1,000	29.21	SE	2022-12-12	11:12:07	41	29.11	SE
2022-12-09	16:09:59	624	29.20	SE	2022-12-12	11:12:07	12	29.11	SE
2022-12-09	16:10:02	135	29.20	SE	2022-12-12	11:12:08	4	29.11	SE
2022-12-09	16:10:04	678	29.21	SE	2022-12-12	11:12:08	1	29.11	SE
2022-12-09	16:10:04	1,587	29.21	SE	2022-12-12	11:12:10	5,000	29.12	SE
2022-12-09	16:10:04	1,000	29.21	SE	2022-12-12	11:29:54	1,000	29.10	SE
2022-12-12	09:05:47	1,000	29.03	SE	2022-12-12	11:29:54	1,000	29.10	SE
2022-12-12	09:05:47	1,000	29.03	SE	2022-12-12	11:32:43	356	29.09	SE
2022-12-12	09:05:48	1,000	29.02	SE	2022-12-12	11:38:46	65	29.09	SE
2022-12-12	09:05:51	1,000	29.01	SE	2022-12-12	11:38:46	1,000	29.09	SE
2022-12-12	09:05:51	1,000	29.02	SE	2022-12-12	11:38:46	1,000	29.09	SE
2022-12-12	09:05:52	1,000	29.01	SE	2022-12-12	11:54:09	1,000	29.10	SE
2022-12-12	09:08:16	1,000	28.99	SE	2022-12-12	11:54:09	366	29.10	SE
2022-12-12	09:08:16	1,000	29.00	SE	2022-12-12	11:54:09	1,000	29.10	SE
2022-12-12	09:08:17	1,000	28.99	SE	2022-12-12	12:02:00	1,000	29.07	SE
2022-12-12	09:10:47	1,000	29.04	SE	2022-12-12	12:02:00	1,000	29.07	SE
2022-12-12	09:10:53	1,000	29.05	SE	2022-12-12	12:02:01	1,587	29.07	SE
2022-12-12	09:10:54	1,000	29.06	SE	2022-12-12	12:38:03	1,000	29.08	SE
2022-12-12	09:19:58	1,000	29.00	SE	2022-12-12	12:38:03	1,000	29.08	SE
2022-12-12	09:19:59	1,000	29.00	SE	2022-12-12	12:45:45	651	29.08	SE
2022-12-12	09:23:39	1,000	29.00	SE	2022-12-12	12:55:48	294	29.07	SE
2022-12-12	09:23:41	1,000	29.01	SE	2022-12-12	12:55:48	642	29.07	SE
2022-12-12	09:23:41	1,000	29.01	SE	2022-12-12	12:58:57	1,000	29.08	SE
2022-12-12	09:27:24	1,000	29.01	SE	2022-12-12	12:58:57	1,000	29.08	SE
2022-12-12	09:33:57	950	29.07	SE	2022-12-12	13:18:10	377	29.05	SE
2022-12-12	09:42:10	1,000	29.09	SE	2022-12-12	13:18:10	1,000	29.05	SE
2022-12-12	09:43:07	378	29.07	SE	2022-12-12	13:18:15	1,587	29.04	SE
2022-12-12	09:45:29	450	29.07	SE	2022-12-12	13:18:15	377	29.04	SE
2022-12-12	09:47:44	5,000	29.06	SE	2022-12-12	13:19:07	1,000	29.03	SE
2022-12-12	09:47:57	473	29.05	SE	2022-12-12	13:19:07	1,000	29.03	SE
2022-12-12	09:48:34	1,000	29.06	SE	2022-12-12	13:19:07	975	29.03	SE
2022-12-12	09:48:35	1,000	29.06	SE	2022-12-12	13:19:08	377	29.03	SE
2022-12-12	09:58:12	473	29.03	SE	2022-12-12	13:19:08	308	29.03	SE
2022-12-12	10:06:27	367	29.00	SE	2022-12-12	13:22:25	1,000	29.04	SE
2022-12-12	10:06:27	1,000	29.00	SE	2022-12-12	13:22:25	1,029	29.04	SE
2022-12-12	10:06:53	1,000	29.00	SE	2022-12-12	13:22:25	1,000	29.04	SE
2022-12-12	10:06:55	399	29.00	SE	2022-12-12	13:31:49	47	29.02	SE
2022-12-12	10:06:56	130	29.00	SE	2022-12-12	13:31:49	355	29.02	SE
2022-12-12	10:15:50	1,000	28.99	SE	2022-12-12	13:31:49	14	29.02	SE
2022-12-12	10:15:51	1,000	28.99	SE	2022-12-12	13:33:29	1,000	29.03	SE
2022-12-12	10:16:11	1,000	28.99	SE	2022-12-12	13:33:29	1,587	29.03	SE
2022-12-12	10:16:12	1,000	28.99	SE	2022-12-12	13:51:14	759	29.01	SE

2022-12-12	13:51:14	229	29.01	SE	2022-12-12	16:17:06	1,000	29.03	SE
2022-12-12	13:51:14	1,000	29.01	SE	2022-12-12	16:17:23	1,000	29.03	SE
2022-12-12	14:09:00	404	29.06	SE	2022-12-12	16:17:23	1,000	29.03	SE
2022-12-12	14:09:39	414	29.06	SE	2022-12-12	16:17:29	82	29.03	SE
2022-12-12	14:09:39	1,000	29.06	SE	2022-12-12	16:17:29	272	29.03	SE
2022-12-12	14:14:53	1,000	29.06	SE	2022-12-12	16:17:39	115	29.03	SE
2022-12-12	14:14:54	1,587	29.06	SE	2022-12-12	16:17:39	36	29.03	SE
2022-12-12	14:33:43	223	29.04	SE	2022-12-12	16:17:39	120	29.03	SE
2022-12-12	14:33:43	1,000	29.04	SE	2022-12-12	16:17:39	341	29.03	SE
2022-12-12	14:33:44	2	29.04	SE	2022-12-12	16:17:39	139	29.03	SE
2022-12-12	14:33:44	4	29.04	SE	2022-12-12	16:17:49	1,570	29.04	SE
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2022-12-12	14:33:44	44	29.04	SE	2022-12-13	09:08:48	473	29.28	SE
2022-12-12	14:34:52	203	29.04	SE	2022-12-13	09:09:02	1,178	29.29	SE
2022-12-12	14:34:52	29	29.04	SE	2022-12-13	09:09:02	473	29.29	SE
2022-12-12	14:44:05	235	29.03	SE	2022-12-13	09:10:39	473	29.28	SE
2022-12-12	14:44:05	866	29.03	SE	2022-12-13	09:11:49	1,787	29.28	SE
2022-12-12	14:44:05	1,587	29.03	SE	2022-12-13	09:12:33	600	29.29	SE
2022-12-12	14:44:05	1,000	29.03	SE	2022-12-13	09:16:51	1,000	29.28	SE
2022-12-12	14:44:25	1,000	29.04	SE	2022-12-13	09:16:51	1,723	29.28	SE
2022-12-12	14:44:25	1,000	29.04	SE	2022-12-13	09:38:03	598	29.20	SE
2022-12-12	14:57:44	1,587	29.02	SE	2022-12-13	09:38:03	1,000	29.20	SE
2022-12-12	14:57:44	1,000	29.02	SE	2022-12-13	09:38:03	1,000	29.20	SE
2022-12-12	14:57:44	14	29.01	SE	2022-12-13	09:38:10	1,723	29.22	SE
2022-12-12	14:58:42	1,000	29.02	SE	2022-12-13	09:38:13	348	29.21	SE
2022-12-12	14:58:42	1,000	29.02	SE	2022-12-13	09:38:13	243	29.21	SE
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2022-12-12	15:30:30	1,000	29.01	SE	2022-12-13	09:38:16	822	29.22	SE
2022-12-12	15:30:31	1,046	29.01	SE	2022-12-13	09:57:04	1,000	29.19	SE
2022-12-12	15:30:31	44	29.01	SE	2022-12-13	09:57:04	228	29.19	SE
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2022-12-12	15:30:34	1,000	29.01	SE	2022-12-13	09:57:05	994	29.19	SE
2022-12-12	15:43:24	1,000	29.03	SE	2022-12-13	09:57:19	1,000	29.19	SE
2022-12-12	15:43:25	1,587	29.03	SE	2022-12-13	09:57:19	1,000	29.19	SE
2022-12-12	15:53:56	1,000	29.03	SE	2022-12-13	10:01:31	159	29.20	SE
2022-12-12	15:53:56	1,000	29.03	SE	2022-12-13	10:01:31	28	29.20	SE
2022-12-12	15:53:59	5	29.03	SE	2022-12-13	10:01:31	296	29.20	SE
2022-12-12	15:53:59	425	29.03	SE	2022-12-13	10:01:31	1,000	29.21	SE
2022-12-12	15:54:02	307	29.03	SE	2022-12-13	10:01:31	49	29.21	SE
2022-12-12	15:54:10	199	29.03	SE	2022-12-13	10:01:32	1,114	29.21	SE
2022-12-12	15:54:10	105	29.03	SE	2022-12-13	10:01:32	1,000	29.21	SE
2022-12-12	15:54:10	21	29.03	SE	2022-12-13	10:01:32	1,723	29.21	SE
2022-12-12	15:54:10	70	29.03	SE	2022-12-13	10:08:08	2,188	29.22	SE
2022-12-12	15:54:33	1,000	29.03	SE	2022-12-13	10:40:48	255	29.33	SE
2022-12-12	16:09:46	1,587	29.06	SE	2022-12-13	10:41:07	560	29.33	SE
2022-12-12	16:09:46	1,000	29.06	SE	2022-12-13	10:41:07	1,000	29.33	SE
2022-12-12	16:11:48	5,000	29.03	SE	2022-12-13	10:47:06	410	29.27	SE
2022-12-12	16:17:06	1,587	29.03	SE	2022-12-13	10:50:31	366	29.29	SE

2022-12-13	10:50:56	564	29.29	SE	2022-12-13	14:14:00	1,723	29.35	SE
2022-12-13	10:51:22	1,000	29.29	SE	2022-12-13	14:14:00	1,000	29.35	SE
2022-12-13	10:51:22	377	29.29	SE	2022-12-13	14:14:59	1,000	29.34	SE
2022-12-13	11:00:25	491	29.28	SE	2022-12-13	14:14:59	413	29.34	SE
2022-12-13	11:00:27	311	29.28	SE	2022-12-13	14:16:09	418	29.34	SE
2022-12-13	11:00:32	378	29.28	SE	2022-12-13	14:16:10	1,000	29.34	SE
2022-12-13	11:00:33	379	29.28	SE	2022-12-13	14:16:11	99	29.34	SE
2022-12-13	11:03:57	362	29.25	SE	2022-12-13	14:25:51	27	29.36	SE
2022-12-13	11:03:59	371	29.25	SE	2022-12-13	14:25:59	416	29.36	SE
2022-12-13	11:18:05	841	29.31	SE	2022-12-13	14:26:20	445	29.36	SE
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2022-12-13	11:18:05	366	29.31	SE	2022-12-13	14:26:48	1,000	29.42	SE
2022-12-13	11:38:33	352	29.31	SE	2022-12-13	14:30:07	154	29.55	SE
2022-12-13	11:54:04	875	29.30	SE	2022-12-13	14:31:46	424	29.71	SE
2022-12-13	11:54:22	1,000	29.30	SE	2022-12-13	14:32:52	536	29.66	SE
2022-12-13	12:10:46	363	29.30	SE	2022-12-13	14:34:04	1,032	29.71	SE
2022-12-13	12:14:12	147	29.33	SE	2022-12-13	14:34:04	1,000	29.71	SE
2022-12-13	12:14:12	1,000	29.33	SE	2022-12-13	14:37:11	195	29.57	SE
2022-12-13	12:14:12	365	29.33	SE	2022-12-13	14:37:11	1,169	29.58	SE
2022-12-13	12:16:29	371	29.34	SE	2022-12-13	14:37:11	1,000	29.58	SE
2022-12-13	12:16:29	1,723	29.34	SE	2022-12-13	14:37:30	69	29.57	SE
2022-12-13	12:52:34	1,000	29.37	SE	2022-12-13	14:37:36	529	29.58	SE
2022-12-13	12:52:34	1,000	29.37	SE	2022-12-13	14:37:36	371	29.58	SE
2022-12-13	13:06:59	164	29.35	SE	2022-12-13	14:53:06	371	29.69	SE
2022-12-13	13:07:20	68	29.36	SE	2022-12-13	14:53:08	1,000	29.70	SE
2022-12-13	13:07:20	1,000	29.36	SE	2022-12-13	14:53:08	431	29.70	SE
2022-12-13	13:07:20	130	29.36	SE	2022-12-13	14:53:19	409	29.70	SE
2022-12-13	13:07:35	375	29.36	SE	2022-12-13	14:57:19	1,000	29.70	SE
2022-12-13	13:15:41	1,000	29.35	SE	2022-12-13	14:57:19	1,723	29.70	SE
2022-12-13	13:15:42	377	29.35	SE	2022-12-13	15:01:33	377	29.66	SE
2022-12-13	13:15:43	491	29.35	SE	2022-12-13	15:01:57	1,000	29.65	SE
2022-12-13	13:16:28	844	29.36	SE	2022-12-13	15:01:57	1,000	29.65	SE
2022-12-13	13:16:28	28	29.36	SE	2022-12-13	15:03:35	420	29.67	SE
2022-12-13	13:16:28	460	29.36	SE	2022-12-13	15:07:14	380	29.66	SE
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2022-12-13	13:34:23	1,000	29.40	SE	2022-12-13	15:08:34	19	29.66	SE
2022-12-13	13:34:23	371	29.40	SE	2022-12-13	15:08:34	30	29.66	SE
2022-12-13	13:34:27	1,723	29.41	SE	2022-12-13	15:08:34	13	29.66	SE
2022-12-13	13:52:20	1,000	29.41	SE	2022-12-13	15:08:34	15	29.66	SE
2022-12-13	13:52:20	167	29.41	SE	2022-12-13	15:08:34	62	29.66	SE
2022-12-13	13:52:20	407	29.41	SE	2022-12-13	15:08:34	1,000	29.66	SE
2022-12-13	14:11:05	1,000	29.34	SE	2022-12-13	15:08:35	31	29.66	SE
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2022-12-13	14:12:56	1,000	29.34	SE	2022-12-13	15:15:44	487	29.71	SE
2022-12-13	14:13:59	24	29.34	SE	2022-12-13	15:15:50	476	29.71	SE
2022-12-13	14:13:59	15	29.34	SE	2022-12-13	15:15:58	1,000	29.72	SE
2022-12-13	14:13:59	248	29.34	SE	2022-12-13	15:15:58	408	29.72	SE
2022-12-13	14:13:59	1,000	29.34	SE	2022-12-13	15:16:04	943	29.73	SE

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2022-12-13	15:16:08	434	29.73	SE	2022-12-14	09:11:36	1,000	29.50	SE
2022-12-13	15:16:09	422	29.73	SE	2022-12-14	09:12:04	372	29.51	SE
2022-12-13	15:31:38	1,000	29.66	SE	2022-12-14	09:12:32	361	29.51	SE
2022-12-13	15:31:41	519	29.66	SE	2022-12-14	09:12:41	1,694	29.50	SE
2022-12-13	15:31:41	1,000	29.66	SE	2022-12-14	09:12:41	1,000	29.50	SE
2022-12-13	15:32:35	500	29.67	SE	2022-12-14	09:13:24	373	29.50	SE
2022-12-13	15:34:07	377	29.67	SE	2022-12-14	09:13:39	373	29.50	SE
2022-12-13	15:36:21	1,723	29.65	SE	2022-12-14	09:16:49	1,694	29.47	SE
2022-12-13	15:37:44	495	29.63	SE	2022-12-14	09:16:49	1,000	29.47	SE
2022-12-13	15:37:44	1,000	29.63	SE	2022-12-14	09:17:39	300	29.46	SE
2022-12-13	15:37:45	799	29.63	SE	2022-12-14	09:17:44	1,694	29.47	SE
2022-12-13	15:37:45	1,000	29.63	SE	2022-12-14	09:17:44	1,000	29.47	SE
2022-12-13	15:54:05	591	29.80	SE	2022-12-14	09:32:15	410	29.43	SE
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2022-12-13	15:56:05	412	29.83	SE	2022-12-14	09:33:16	401	29.43	SE
2022-12-13	15:56:07	1,000	29.83	SE	2022-12-14	09:33:21	542	29.44	SE
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2022-12-13	15:58:47	1,000	29.82	SE	2022-12-14	09:34:32	1,000	29.44	SE
2022-12-13	15:58:47	60	29.81	SE	2022-12-14	09:35:21	42	29.43	SE
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2022-12-13	15:58:56	1,000	29.82	SE	2022-12-14	09:36:18	377	29.45	SE
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2022-12-13	16:02:18	1,000	29.77	SE	2022-12-14	09:44:41	557	29.42	SE
2022-12-13	16:03:11	471	29.79	SE	2022-12-14	09:44:41	1,000	29.42	SE
2022-12-13	16:03:11	1,000	29.79	SE	2022-12-14	09:45:00	1,000	29.43	SE
2022-12-13	16:03:17	1,000	29.79	SE	2022-12-14	09:45:20	522	29.43	SE
2022-12-13	16:03:17	1,000	29.79	SE	2022-12-14	09:46:16	2,178	29.44	SE
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2022-12-13	16:16:04	1,000	29.81	SE	2022-12-14	09:57:48	800	29.44	SE
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2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:04:52	6	29.46	SE
2022-12-13	16:26:13	1,092	29.74	SE	2022-12-14	10:05:09	1,000	29.47	SE
2022-12-13	16:26:13	1,000	29.74	SE	2022-12-14	10:05:10	1,286	29.47	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:24:19	156	29.44	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:24:54	1,694	29.47	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:24:54	1,000	29.47	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:30:57	1,200	29.47	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:43:33	628	29.49	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:43:38	1,000	29.49	SE
2022-12-13	16:26:13	109	29.74	SE	2022-12-14	10:43:38	608	29.49	SE
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2022-12-13	16:26:14	109	29.74	SE	2022-12-14	11:02:01	1,000	29.49	SE
2022-12-13	16:26:14	109	29.74	SE	2022-12-14	11:02:25	512	29.48	SE
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2022-12-14	09:05:38	1,000	29.53	SE	2022-12-14	11:12:19	1,000	29.43	SE
2022-12-14	09:05:39	1,000	29.53	SE	2022-12-14	11:12:19	1,694	29.43	SE



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2022-12-14	11:32:27	126	29.44	SE	2022-12-14	15:11:54	1,000	29.59	SE
2022-12-14	11:32:27	1,000	29.44	SE	2022-12-14	15:26:46	1,000	29.51	SE
2022-12-14	11:32:45	1,157	29.45	SE	2022-12-14	15:26:46	1,000	29.51	SE
2022-12-14	11:32:45	1,000	29.45	SE	2022-12-14	15:26:55	1,000	29.51	SE
2022-12-14	11:51:08	1,000	29.42	SE	2022-12-14	15:26:57	1,000	29.51	SE
2022-12-14	11:51:10	70	29.42	SE	2022-12-14	15:26:57	1,000	29.51	SE
2022-12-14	11:51:37	252	29.43	SE	2022-12-14	15:30:03	3,535	29.52	SE
2022-12-14	11:51:59	26	29.43	SE	2022-12-14	15:35:50	1,000	29.55	SE
2022-12-14	11:52:00	350	29.43	SE	2022-12-14	15:35:50	1,000	29.55	SE
2022-12-14	11:52:24	374	29.43	SE	2022-12-14	15:35:50	1,203	29.54	SE
2022-12-14	11:52:24	1,000	29.43	SE	2022-12-14	15:36:58	1	29.56	SE
2022-12-14	12:00:11	347	29.44	SE	2022-12-14	15:37:02	1,000	29.57	SE
2022-12-14	12:43:29	1,000	29.41	SE	2022-12-14	15:37:02	1,000	29.57	SE
2022-12-14	12:43:30	1,000	29.41	SE	2022-12-14	15:41:20	1,694	29.55	SE
2022-12-14	13:01:49	588	29.43	SE	2022-12-14	15:41:20	1,000	29.55	SE
2022-12-14	13:01:49	1,000	29.43	SE	2022-12-14	15:41:27	1,694	29.54	SE
2022-12-14	13:18:25	1,012	29.46	SE	2022-12-14	15:43:15	382	29.53	SE
2022-12-14	13:20:07	7	29.46	SE	2022-12-14	15:43:41	469	29.53	SE
2022-12-14	13:20:07	3	29.46	SE	2022-12-14	15:44:12	500	29.53	SE
2022-12-14	13:20:08	357	29.46	SE	2022-12-14	15:44:12	1,000	29.53	SE
2022-12-14	13:20:27	1,000	29.46	SE	2022-12-14	15:47:15	639	29.54	SE
2022-12-14	13:20:27	371	29.46	SE	2022-12-14	15:47:17	1,000	29.55	SE
2022-12-14	13:20:31	1,694	29.47	SE	2022-12-14	15:47:18	1,694	29.55	SE
2022-12-14	13:26:58	377	29.43	SE	2022-12-14	15:49:37	1,000	29.52	SE
2022-12-14	13:38:52	75	29.43	SE	2022-12-14	15:49:40	642	29.52	SE
2022-12-14	13:38:52	371	29.43	SE	2022-12-14	15:50:02	1,694	29.53	SE
2022-12-14	13:38:53	348	29.43	SE	2022-12-14	15:50:02	1,000	29.53	SE
2022-12-14	13:38:55	372	29.43	SE	2022-12-14	16:04:36	85	29.54	SE
2022-12-14	13:38:55	238	29.42	SE	2022-12-14	16:05:02	489	29.54	SE
2022-12-14	13:38:55	1,000	29.43	SE	2022-12-14	16:05:02	1,000	29.54	SE
2022-12-14	13:41:45	345	29.41	SE	2022-12-14	16:12:56	1,013	29.53	SE
2022-12-14	13:57:08	889	29.39	SE	2022-12-14	16:12:56	1,000	29.53	SE
2022-12-14	13:57:08	1,000	29.39	SE	2022-12-14	16:23:37	1,000	29.49	SE
2022-12-14	14:05:29	5,000	29.40	SE	2022-12-14	16:23:37	377	29.49	SE
2022-12-14	14:08:28	37	29.43	SE	2022-12-14	16:23:38	1,000	29.50	SE
2022-12-14	14:08:42	1,000	29.44	SE	2022-12-14	16:23:38	1,694	29.50	SE
2022-12-14	14:08:44	5	29.44	SE	2022-12-14	16:23:38	1,000	29.50	SE
2022-12-14	14:08:44	410	29.44	SE	2022-12-14	16:23:38	673	29.49	SE
2022-12-14	14:08:46	396	29.44	SE	2022-12-14	16:23:40	1,000	29.50	SE
2022-12-14	14:09:47	1,000	29.44	SE	2022-12-14	16:23:40	1,000	29.49	SE
2022-12-14	14:09:47	1,000	29.44	SE	2022-12-14	16:23:40	1,694	29.50	SE
2022-12-14	14:20:12	1,901	29.45	SE	2022-12-14	16:23:42	1,000	29.50	SE
2022-12-14	14:44:37	1,100	29.54	SE	2022-12-14	16:23:42	1,000	29.50	SE
2022-12-14	15:10:42	1,400	29.57	SE	2022-12-14	16:23:50	33	29.50	SE
2022-12-14	15:11:35	1,000	29.59	SE	2022-12-14	16:23:57	482	29.50	SE
2022-12-14	15:11:35	377	29.59	SE	2022-12-14	16:23:57	1,000	29.50	SE
2022-12-14	15:11:46	60	29.59	SE	2022-12-14	16:24:03	498	29.50	SE
2022-12-14	15:11:46	1,000	29.59	SE	2022-12-14	16:24:04	499	29.50	SE

2022-12-14	16:24:04	1,000	29.50	SE
2022-12-14	16:24:05	480	29.50	SE
2022-12-14	16:24:07	480	29.50	SE
2022-12-14	16:24:07	1,000	29.50	SE
2022-12-14	16:38:36	736	29.59	SE
2022-12-14	16:38:36	1,694	29.59	SE
2022-12-14	16:38:36	896	29.54	SE