

ZURICH, SWITZERLAND, MAY 12, 2022

# ABB share buybacks

May 5, 2022 – May 11, 2022

During the period May 5, 2022, to May 11, 2022, ABB repurchased a total of 2,353,000 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)
May 5, 2022	495,000	29.7633	14,732,833.50
May 6, 2022	495,000	28.8024	14,257,188.00
May 9, 2022	500,000	28.2669	14,133,450.00
May 10, 2022	490,000	28.4952	13,962,648.00
May 11, 2022	373,000	28.3756	10,584,098.80

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 May 11, 2022, is 18,747,000 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** (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 105,000 talented employees in over 100 countries. [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	2022-05-05	09:40:27	5,000	29.75	SE
2022-05-05	09:05:40	1,000	29.94	SE	2022-05-05	09:40:38	5,000	29.74	SE
2022-05-05	09:05:54	1,000	29.92	SE	2022-05-05	09:46:02	5,000	29.74	SE
2022-05-05	09:05:54	1,000	29.92	SE	2022-05-05	09:48:55	5,000	29.74	SE
2022-05-05	09:05:57	1,000	29.95	SE	2022-05-05	09:49:23	5,000	29.74	SE
2022-05-05	09:06:10	1,000	29.95	SE	2022-05-05	09:58:54	5,000	29.80	SE
2022-05-05	09:06:11	1,000	29.95	SE	2022-05-05	10:10:32	5,000	29.95	SE
2022-05-05	09:06:23	1,000	29.94	SE	2022-05-05	10:46:12	1,000	30.03	SE
2022-05-05	09:06:24	1,000	29.94	SE	2022-05-05	10:46:12	1,000	30.03	SE
2022-05-05	09:06:44	1,000	29.92	SE	2022-05-05	10:46:30	1,000	30.03	SE
2022-05-05	09:06:47	1,000	29.95	SE	2022-05-05	10:46:30	1,000	30.03	SE
2022-05-05	09:06:47	1,000	29.95	SE	2022-05-05	10:46:33	5,000	30.02	SE
2022-05-05	09:07:12	1,000	29.96	SE	2022-05-05	10:46:34	1,000	30.03	SE
2022-05-05	09:07:15	1,000	29.97	SE	2022-05-05	10:46:34	1,000	30.03	SE
2022-05-05	09:07:16	1,000	29.97	SE	2022-05-05	10:46:38	1,000	30.02	SE
2022-05-05	09:10:11	1,000	30.03	SE	2022-05-05	10:54:17	1,000	29.98	SE
2022-05-05	09:10:11	1,000	30.03	SE	2022-05-05	10:54:27	1,000	29.98	SE
2022-05-05	09:11:44	1,000	29.97	SE	2022-05-05	10:55:22	1,000	29.91	SE
2022-05-05	09:11:44	1,000	29.97	SE	2022-05-05	10:55:22	1,000	29.91	SE
2022-05-05	09:11:59	1,000	29.97	SE	2022-05-05	10:56:31	5,000	29.87	SE
2022-05-05	09:12:01	1,000	29.97	SE	2022-05-05	10:58:11	1,000	29.82	SE
2022-05-05	09:12:27	1,000	29.96	SE	2022-05-05	10:58:32	5,000	29.85	SE
2022-05-05	09:12:28	1,000	29.96	SE	2022-05-05	10:59:36	5,000	29.82	SE
2022-05-05	09:12:41	1,000	29.92	SE	2022-05-05	11:04:21	5,000	29.76	SE
2022-05-05	09:12:41	1,000	29.92	SE	2022-05-05	11:04:38	5,000	29.76	SE
2022-05-05	09:13:01	5,000	29.93	SE	2022-05-05	11:16:29	5,000	29.76	SE
2022-05-05	09:13:07	5,000	29.94	SE	2022-05-05	11:23:06	5,000	29.79	SE
2022-05-05	09:19:20	5,000	29.84	SE	2022-05-05	11:23:25	5,000	29.76	SE
2022-05-05	09:21:01	5,000	29.77	SE	2022-05-05	11:23:28	5,000	29.75	SE
2022-05-05	09:25:34	1,000	29.79	SE	2022-05-05	11:38:59	5,000	29.75	SE
2022-05-05	09:25:34	1,000	29.80	SE	2022-05-05	11:39:01	5,000	29.74	SE
2022-05-05	09:25:34	1,000	29.78	SE	2022-05-05	11:54:46	5,000	29.80	SE
2022-05-05	09:25:35	1,000	29.79	SE	2022-05-05	11:54:48	5,000	29.79	SE
2022-05-05	09:27:43	5,000	29.79	SE	2022-05-05	11:54:51	5,000	29.78	SE
2022-05-05	09:37:42	1,000	29.78	SE	2022-05-05	12:15:51	5,000	29.87	SE
2022-05-05	09:39:11	1,000	29.75	SE	2022-05-05	12:15:53	5,000	29.86	SE
2022-05-05	09:39:11	1,000	29.75	SE	2022-05-05	12:15:56	5,000	29.85	SE
2022-05-05	09:39:15	1,000	29.74	SE	2022-05-05	12:37:46	5,000	29.84	SE
2022-05-05	09:39:15	1,000	29.74	SE	2022-05-05	12:50:49	5,000	29.89	SE
2022-05-05	09:40:15	1,000	29.73	SE	2022-05-05	12:50:55	5,000	29.89	SE
2022-05-05	09:40:15	1,000	29.73	SE	2022-05-05	12:51:14	5,000	29.87	SE

2022-05-05	12:53:09	5,000	29.89	SE	2022-05-05	15:56:59	1,000	29.72	SE
2022-05-05	13:13:55	5,000	29.88	SE	2022-05-05	15:57:25	5,000	29.71	SE
2022-05-05	13:14:04	5,000	29.88	SE	2022-05-05	15:58:47	5,000	29.72	SE
2022-05-05	13:14:08	5,000	29.87	SE	2022-05-05	15:58:50	5,000	29.71	SE
2022-05-05	13:32:51	5,000	29.88	SE	2022-05-05	16:04:41	5,000	29.68	SE
2022-05-05	13:41:04	5,000	29.85	SE	2022-05-05	16:04:43	5,000	29.68	SE
2022-05-05	14:34:24	5,000	29.87	SE	2022-05-05	16:04:45	5,000	29.67	SE
2022-05-05	14:41:24	5,000	29.88	SE	2022-05-05	16:09:17	1,000	29.63	SE
2022-05-05	14:51:08	5,000	29.94	SE	2022-05-05	16:09:18	1,000	29.63	SE
2022-05-05	15:08:51	1,000	29.88	SE	2022-05-05	16:10:32	1,000	29.63	SE
2022-05-05	15:08:51	1,000	29.88	SE	2022-05-05	16:10:54	1,000	29.64	SE
2022-05-05	15:09:40	5,000	29.88	SE	2022-05-05	16:10:59	1,000	29.63	SE
2022-05-05	15:15:55	5,000	29.87	SE	2022-05-05	16:11:06	5,000	29.62	SE
2022-05-05	15:15:55	5,000	29.88	SE	2022-05-05	16:11:12	5,000	29.62	SE
2022-05-05	15:23:51	1,000	29.87	SE	2022-05-05	16:11:15	5,000	29.61	SE
2022-05-05	15:23:52	1,000	29.86	SE	2022-05-05	16:12:09	1,000	29.59	SE
2022-05-05	15:23:52	4,000	29.87	SE	2022-05-05	16:12:20	5,000	29.59	SE
2022-05-05	15:23:56	4,000	29.86	SE	2022-05-05	16:18:37	1,000	29.58	SE
2022-05-05	15:24:00	1,000	29.86	SE	2022-05-05	16:18:39	1,000	29.59	SE
2022-05-05	15:24:35	5,000	29.87	SE	2022-05-05	16:18:39	1,000	29.59	SE
2022-05-05	15:36:02	1,000	29.82	SE	2022-05-05	16:18:43	5,000	29.58	SE
2022-05-05	15:36:03	1,000	29.82	SE	2022-05-05	16:19:30	5,000	29.57	SE
2022-05-05	15:36:11	1,000	29.80	SE	2022-05-05	16:27:55	5,000	29.49	SE
2022-05-05	15:36:13	1,000	29.80	SE	2022-05-05	16:28:00	5,000	29.49	SE
2022-05-05	15:36:52	5,000	29.80	SE	2022-05-05	16:28:37	5,000	29.48	SE
2022-05-05	15:37:01	5,000	29.79	SE	2022-05-05	16:33:37	3,000	29.45	SE
2022-05-05	15:37:02	5,000	29.78	SE	2022-05-05	16:35:58	5,000	29.47	SE
2022-05-05	15:40:09	5,000	29.80	SE	2022-05-05	16:36:05	5,000	29.47	SE
2022-05-05	15:44:57	1,000	29.77	SE	2022-05-05	16:36:07	5,000	29.47	SE
2022-05-05	15:45:19	5,000	29.77	SE	2022-05-05	16:43:26	5,000	29.46	SE
2022-05-05	15:48:04	1,000	29.75	SE	2022-05-05	16:43:27	5,000	29.46	SE
2022-05-05	15:48:34	1,000	29.75	SE	2022-05-05	16:48:12	5,000	29.48	SE
2022-05-05	15:49:27	1,000	29.75	SE	2022-05-05	16:48:34	4,000	29.43	SE
2022-05-05	15:49:27	1,000	29.75	SE	2022-05-05	16:55:09	5,000	29.42	SE
2022-05-05	15:49:30	1,000	29.75	SE	2022-05-06	09:02:38	5,000	29.14	SE
2022-05-05	15:50:21	1,000	29.75	SE	2022-05-06	09:04:00	1,000	29.08	SE
2022-05-05	15:50:22	1,000	29.75	SE	2022-05-06	09:04:52	1,000	29.08	SE
2022-05-05	15:50:24	1,000	29.75	SE	2022-05-06	09:04:52	1,000	29.08	SE
2022-05-05	15:50:50	5,000	29.75	SE	2022-05-06	09:05:34	1,000	29.05	SE
2022-05-05	15:50:51	5,000	29.74	SE	2022-05-06	09:06:40	1,000	29.09	SE
2022-05-05	15:50:55	5,000	29.73	SE	2022-05-06	09:06:51	1,000	29.09	SE
2022-05-05	15:53:25	1,000	29.75	SE	2022-05-06	09:09:42	1,000	29.09	SE
2022-05-05	15:53:25	1,000	29.75	SE	2022-05-06	09:09:43	1,000	29.09	SE
2022-05-05	15:53:26	1,000	29.75	SE	2022-05-06	09:16:17	1,000	29.06	SE
2022-05-05	15:54:27	5,000	29.75	SE	2022-05-06	09:17:54	5,000	29.14	SE
2022-05-05	15:54:29	5,000	29.75	SE	2022-05-06	09:19:41	1,000	29.10	SE
2022-05-05	15:54:33	5,000	29.74	SE	2022-05-06	09:23:57	1,000	28.97	SE
2022-05-05	15:56:58	1,000	29.72	SE	2022-05-06	09:24:24	5,000	28.98	SE
2022-05-05	15:56:58	1,000	29.72	SE	2022-05-06	09:24:29	5,000	28.99	SE

2022-05-06	09:24:30	5,000	28.98	SE	2022-05-06	13:45:07	1,000	28.97	SE
2022-05-06	09:24:31	5,000	28.97	SE	2022-05-06	13:45:07	1,000	28.97	SE
2022-05-06	09:34:40	1,000	28.85	SE	2022-05-06	13:45:57	5,000	28.96	SE
2022-05-06	09:34:51	1,000	28.86	SE	2022-05-06	13:55:25	5,000	28.99	SE
2022-05-06	09:34:52	1,000	28.86	SE	2022-05-06	13:55:26	5,000	28.98	SE
2022-05-06	09:35:09	1,000	28.83	SE	2022-05-06	14:02:44	5,000	28.99	SE
2022-05-06	09:35:15	1,000	28.83	SE	2022-05-06	14:15:59	5,000	29.01	SE
2022-05-06	09:36:25	1,000	28.84	SE	2022-05-06	14:16:22	5,000	29.01	SE
2022-05-06	09:36:25	1,000	28.84	SE	2022-05-06	14:29:02	5,000	29.03	SE
2022-05-06	09:36:36	1,000	28.82	SE	2022-05-06	14:29:15	5,000	29.03	SE
2022-05-06	09:37:33	1,000	28.83	SE	2022-05-06	14:46:45	5,000	29.05	SE
2022-05-06	09:37:33	1,000	28.83	SE	2022-05-06	14:52:55	5,000	28.99	SE
2022-05-06	09:37:35	5,000	28.83	SE	2022-05-06	15:06:00	1,000	28.94	SE
2022-05-06	09:37:45	5,000	28.83	SE	2022-05-06	15:06:01	1,000	28.94	SE
2022-05-06	10:03:36	1,000	28.90	SE	2022-05-06	15:10:06	5,000	28.92	SE
2022-05-06	10:03:41	1,000	28.91	SE	2022-05-06	15:10:09	5,000	28.92	SE
2022-05-06	10:03:41	1,000	28.91	SE	2022-05-06	15:20:57	5,000	28.98	SE
2022-05-06	10:06:42	5,000	28.99	SE	2022-05-06	15:20:59	5,000	28.97	SE
2022-05-06	10:06:45	5,000	28.98	SE	2022-05-06	15:33:56	5,000	28.84	SE
2022-05-06	10:07:47	5,000	29.00	SE	2022-05-06	15:35:07	1,000	28.81	SE
2022-05-06	10:20:19	5,000	29.01	SE	2022-05-06	15:35:11	1,000	28.81	SE
2022-05-06	10:29:19	5,000	28.97	SE	2022-05-06	15:35:11	1,000	28.81	SE
2022-05-06	10:29:22	5,000	28.96	SE	2022-05-06	15:35:18	1,000	28.82	SE
2022-05-06	10:38:10	5,000	28.99	SE	2022-05-06	15:35:23	1,000	28.82	SE
2022-05-06	10:49:00	5,000	28.89	SE	2022-05-06	15:35:25	1,000	28.82	SE
2022-05-06	11:02:37	5,000	28.86	SE	2022-05-06	15:35:25	1,000	28.82	SE
2022-05-06	11:18:38	5,000	28.83	SE	2022-05-06	15:35:43	1,000	28.81	SE
2022-05-06	11:18:41	5,000	28.83	SE	2022-05-06	15:35:43	1,000	28.81	SE
2022-05-06	11:24:36	5,000	28.82	SE	2022-05-06	15:36:28	1,000	28.78	SE
2022-05-06	11:39:45	5,000	28.87	SE	2022-05-06	15:36:28	1,000	28.78	SE
2022-05-06	11:39:48	5,000	28.86	SE	2022-05-06	15:37:20	1,000	28.75	SE
2022-05-06	11:39:50	5,000	28.85	SE	2022-05-06	15:37:20	1,000	28.75	SE
2022-05-06	11:46:58	5,000	28.90	SE	2022-05-06	15:37:56	5,000	28.75	SE
2022-05-06	11:48:00	5,000	28.91	SE	2022-05-06	15:38:00	5,000	28.77	SE
2022-05-06	12:20:01	5,000	28.96	SE	2022-05-06	15:38:16	1,000	28.78	SE
2022-05-06	12:37:44	1,000	29.02	SE	2022-05-06	15:38:16	1,000	28.78	SE
2022-05-06	12:37:44	1,000	29.02	SE	2022-05-06	15:38:29	5,000	28.78	SE
2022-05-06	12:40:31	1,000	29.01	SE	2022-05-06	15:38:32	5,000	28.78	SE
2022-05-06	12:43:40	1,000	29.00	SE	2022-05-06	15:38:33	5,000	28.77	SE
2022-05-06	12:43:40	1,000	29.00	SE	2022-05-06	15:40:03	5,000	28.76	SE
2022-05-06	12:49:34	1,000	28.99	SE	2022-05-06	15:40:08	5,000	28.76	SE
2022-05-06	12:49:34	1,000	28.99	SE	2022-05-06	15:41:47	5,000	28.73	SE
2022-05-06	12:53:44	5,000	28.98	SE	2022-05-06	15:41:56	5,000	28.74	SE
2022-05-06	12:53:45	5,000	28.97	SE	2022-05-06	15:44:17	1,000	28.71	SE
2022-05-06	13:05:32	5,000	28.96	SE	2022-05-06	15:44:28	1,000	28.71	SE
2022-05-06	13:05:33	5,000	28.95	SE	2022-05-06	15:44:28	1,000	28.71	SE
2022-05-06	13:15:11	5,000	28.90	SE	2022-05-06	15:44:39	5,000	28.71	SE
2022-05-06	13:27:15	5,000	28.88	SE	2022-05-06	15:44:42	5,000	28.71	SE
2022-05-06	13:27:17	5,000	28.87	SE	2022-05-06	15:46:29	5,000	28.66	SE

2022-05-06	15:46:31	5,000	28.65	SE	2022-05-09	09:25:28	5,000	28.61	SE
2022-05-06	15:47:56	5,000	28.57	SE	2022-05-09	09:26:02	5,000	28.60	SE
2022-05-06	15:48:09	5,000	28.58	SE	2022-05-09	09:26:03	5,000	28.59	SE
2022-05-06	15:51:14	5,000	28.61	SE	2022-05-09	09:40:50	5,000	28.66	SE
2022-05-06	15:51:18	1,000	28.61	SE	2022-05-09	09:40:54	5,000	28.67	SE
2022-05-06	15:51:18	1,000	28.61	SE	2022-05-09	09:52:58	5,000	28.61	SE
2022-05-06	15:51:41	5,000	28.56	SE	2022-05-09	09:58:50	1,000	28.49	SE
2022-05-06	15:57:30	5,000	28.47	SE	2022-05-09	09:58:58	1,000	28.49	SE
2022-05-06	15:59:00	1,000	28.52	SE	2022-05-09	09:59:00	1,000	28.49	SE
2022-05-06	15:59:00	1,000	28.52	SE	2022-05-09	09:59:08	1,000	28.49	SE
2022-05-06	15:59:59	1,000	28.53	SE	2022-05-09	09:59:08	1,000	28.49	SE
2022-05-06	15:59:59	1,000	28.53	SE	2022-05-09	10:00:35	5,000	28.51	SE
2022-05-06	16:00:52	5,000	28.56	SE	2022-05-09	10:00:37	5,000	28.50	SE
2022-05-06	16:00:59	5,000	28.55	SE	2022-05-09	10:13:01	1,000	28.41	SE
2022-05-06	16:01:21	5,000	28.56	SE	2022-05-09	10:13:29	5,000	28.40	SE
2022-05-06	16:01:32	5,000	28.56	SE	2022-05-09	10:13:44	5,000	28.40	SE
2022-05-06	16:05:14	5,000	28.60	SE	2022-05-09	10:20:12	5,000	28.37	SE
2022-05-06	16:11:02	5,000	28.49	SE	2022-05-09	10:26:51	5,000	28.36	SE
2022-05-06	16:11:05	5,000	28.47	SE	2022-05-09	10:28:35	1,000	28.36	SE
2022-05-06	16:11:19	5,000	28.48	SE	2022-05-09	10:28:35	1,000	28.36	SE
2022-05-06	16:17:40	5,000	28.64	SE	2022-05-09	10:28:43	1,000	28.37	SE
2022-05-06	16:17:46	5,000	28.64	SE	2022-05-09	10:28:43	1,000	28.37	SE
2022-05-06	16:20:07	5,000	28.66	SE	2022-05-09	10:28:58	5,000	28.38	SE
2022-05-06	16:20:12	5,000	28.65	SE	2022-05-09	10:28:59	5,000	28.37	SE
2022-05-06	16:30:04	5,000	28.54	SE	2022-05-09	10:29:02	5,000	28.36	SE
2022-05-06	16:31:18	5,000	28.54	SE	2022-05-09	10:38:08	5,000	28.24	SE
2022-05-06	16:38:08	1,000	28.45	SE	2022-05-09	10:38:27	5,000	28.24	SE
2022-05-06	16:38:08	1,000	28.45	SE	2022-05-09	10:39:03	5,000	28.24	SE
2022-05-06	16:38:27	5,000	28.43	SE	2022-05-09	10:41:11	5,000	28.27	SE
2022-05-06	16:38:34	5,000	28.43	SE	2022-05-09	10:47:46	5,000	28.31	SE
2022-05-06	16:38:41	5,000	28.44	SE	2022-05-09	10:49:17	5,000	28.30	SE
2022-05-06	16:42:20	5,000	28.48	SE	2022-05-09	11:03:29	5,000	28.30	SE
2022-05-06	16:45:18	5,000	28.45	SE	2022-05-09	11:03:31	5,000	28.29	SE
2022-05-06	16:45:27	5,000	28.49	SE	2022-05-09	11:17:54	5,000	28.36	SE
2022-05-06	16:47:35	4,000	28.61	SE	2022-05-09	11:18:01	5,000	28.36	SE
2022-05-09	09:02:37	1,000	28.55	SE	2022-05-09	11:18:18	5,000	28.35	SE
2022-05-09	09:04:59	1,000	28.56	SE	2022-05-09	11:46:23	5,000	28.25	SE
2022-05-09	09:05:08	1,000	28.55	SE	2022-05-09	11:47:40	5,000	28.22	SE
2022-05-09	09:05:11	1,000	28.55	SE	2022-05-09	11:50:37	5,000	28.24	SE
2022-05-09	09:05:20	1,000	28.57	SE	2022-05-09	12:05:55	5,000	28.28	SE
2022-05-09	09:11:15	1,000	28.76	SE	2022-05-09	12:12:33	5,000	28.27	SE
2022-05-09	09:11:16	1,000	28.76	SE	2022-05-09	12:17:00	5,000	28.26	SE
2022-05-09	09:11:25	5,000	28.76	SE	2022-05-09	12:32:55	5,000	28.18	SE
2022-05-09	09:16:28	5,000	28.73	SE	2022-05-09	12:34:32	5,000	28.17	SE
2022-05-09	09:16:28	5,000	28.74	SE	2022-05-09	12:44:27	1,000	28.13	SE
2022-05-09	09:18:10	5,000	28.74	SE	2022-05-09	12:44:27	1,000	28.13	SE
2022-05-09	09:18:13	5,000	28.73	SE	2022-05-09	12:44:52	5,000	28.12	SE
2022-05-09	09:25:05	1,000	28.61	SE	2022-05-09	12:48:58	5,000	28.09	SE
2022-05-09	09:25:05	1,000	28.61	SE	2022-05-09	12:54:31	5,000	28.15	SE

2022-05-09	13:05:22	5,000	28.16	SE	2022-05-09	16:23:17	1,000	28.17	SE
2022-05-09	13:19:04	5,000	28.12	SE	2022-05-09	16:23:22	5,000	28.16	SE
2022-05-09	13:26:50	5,000	28.12	SE	2022-05-09	16:25:26	5,000	28.12	SE
2022-05-09	13:27:03	5,000	28.11	SE	2022-05-09	16:30:58	5,000	28.09	SE
2022-05-09	13:44:18	1,000	28.05	SE	2022-05-09	16:31:00	5,000	28.08	SE
2022-05-09	13:48:36	1,000	28.10	SE	2022-05-09	16:32:01	1,000	28.09	SE
2022-05-09	13:48:54	1,000	28.13	SE	2022-05-09	16:32:01	1,000	28.09	SE
2022-05-09	13:48:55	1,000	28.13	SE	2022-05-09	16:32:14	5,000	28.09	SE
2022-05-09	13:49:00	5,000	28.12	SE	2022-05-09	16:32:16	5,000	28.08	SE
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2022-05-09	13:55:04	5,000	28.16	SE	2022-05-09	16:38:04	5,000	28.07	SE
2022-05-09	13:55:08	5,000	28.16	SE	2022-05-09	16:41:35	1,000	28.10	SE
2022-05-09	14:11:31	5,000	28.23	SE	2022-05-09	16:41:36	1,000	28.10	SE
2022-05-09	14:17:55	5,000	28.20	SE	2022-05-09	16:41:36	1,000	28.09	SE
2022-05-09	14:23:45	5,000	28.21	SE	2022-05-09	16:41:40	1,000	28.10	SE
2022-05-09	14:31:18	5,000	28.13	SE	2022-05-09	16:41:40	1,000	28.10	SE
2022-05-09	14:37:16	5,000	28.20	SE	2022-05-09	16:41:50	1,000	28.11	SE
2022-05-09	14:56:52	5,000	28.26	SE	2022-05-09	16:41:50	1,000	28.11	SE
2022-05-09	14:57:20	5,000	28.25	SE	2022-05-09	16:41:51	1,000	28.10	SE
2022-05-09	14:59:37	5,000	28.22	SE	2022-05-09	16:41:51	1,000	28.10	SE
2022-05-09	15:05:53	5,000	28.18	SE	2022-05-09	16:42:00	1,000	28.10	SE
2022-05-09	15:14:43	5,000	28.19	SE	2022-05-09	16:42:00	1,000	28.10	SE
2022-05-09	15:14:44	5,000	28.18	SE	2022-05-09	16:42:02	1,000	28.10	SE
2022-05-09	15:22:09	5,000	28.14	SE	2022-05-09	16:42:02	1,000	28.10	SE
2022-05-09	15:22:12	5,000	28.13	SE	2022-05-09	16:42:05	5,000	28.09	SE
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2022-05-09	15:33:40	1,000	28.14	SE	2022-05-09	16:42:33	5,000	28.09	SE
2022-05-09	15:33:40	1,000	28.13	SE	2022-05-09	16:50:09	1,000	28.14	SE
2022-05-09	15:33:41	1,000	28.13	SE	2022-05-09	16:50:09	1,000	28.14	SE
2022-05-09	15:39:43	1,000	28.22	SE	2022-05-09	16:50:26	1,000	28.17	SE
2022-05-09	15:39:43	1,000	28.22	SE	2022-05-09	16:50:27	1,000	28.17	SE
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2022-05-09	15:50:18	1,000	28.16	SE	2022-05-09	16:52:08	1,000	28.11	SE
2022-05-09	15:50:27	1,000	28.16	SE	2022-05-09	16:53:07	1,000	28.13	SE
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2022-05-09	15:51:09	5,000	28.16	SE	2022-05-09	16:53:08	1,000	28.12	SE
2022-05-09	15:51:38	5,000	28.16	SE	2022-05-09	16:53:08	1,000	28.12	SE
2022-05-09	15:59:03	5,000	28.25	SE	2022-05-09	16:53:44	1,000	28.12	SE
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2022-05-09	16:01:12	5,000	28.21	SE	2022-05-09	16:53:45	1,000	28.12	SE
2022-05-09	16:02:04	5,000	28.26	SE	2022-05-09	16:53:46	1,000	28.12	SE
2022-05-09	16:07:43	5,000	28.15	SE	2022-05-10	09:05:32	1,000	28.74	SE
2022-05-09	16:07:43	5,000	28.16	SE	2022-05-10	09:10:41	1,000	28.74	SE
2022-05-09	16:12:30	5,000	28.16	SE	2022-05-10	09:10:43	5,000	28.74	SE
2022-05-09	16:12:50	5,000	28.16	SE	2022-05-10	09:11:13	5,000	28.73	SE
2022-05-09	16:23:16	1,000	28.17	SE	2022-05-10	09:11:49	1,000	28.72	SE

2022-05-10	09:13:53	5,000	28.72	SE	2022-05-10	12:34:26	1,000	28.57	SE
2022-05-10	09:13:54	1,000	28.71	SE	2022-05-10	12:34:47	5,000	28.57	SE
2022-05-10	09:13:56	1,000	28.71	SE	2022-05-10	12:34:52	5,000	28.56	SE
2022-05-10	09:13:56	1,000	28.71	SE	2022-05-10	12:35:07	5,000	28.56	SE
2022-05-10	09:14:10	5,000	28.71	SE	2022-05-10	12:41:01	1,000	28.56	SE
2022-05-10	09:15:42	1,000	28.69	SE	2022-05-10	12:41:10	1,000	28.56	SE
2022-05-10	09:24:01	1,000	28.69	SE	2022-05-10	12:41:26	5,000	28.56	SE
2022-05-10	09:24:04	1,000	28.69	SE	2022-05-10	12:47:32	1,000	28.56	SE
2022-05-10	09:31:20	5,000	28.68	SE	2022-05-10	12:48:16	1,000	28.56	SE
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2022-05-10	10:13:19	1,000	28.67	SE	2022-05-10	13:02:26	1,000	28.54	SE
2022-05-10	10:14:06	1,000	28.67	SE	2022-05-10	13:02:28	1,000	28.54	SE
2022-05-10	10:31:08	1,000	28.67	SE	2022-05-10	13:02:31	5,000	28.53	SE
2022-05-10	10:31:48	1,000	28.67	SE	2022-05-10	13:07:22	5,000	28.53	SE
2022-05-10	10:47:53	1,000	28.67	SE	2022-05-10	13:08:26	5,000	28.53	SE
2022-05-10	10:55:25	5,000	28.66	SE	2022-05-10	13:23:30	5,000	28.53	SE
2022-05-10	10:55:27	5,000	28.66	SE	2022-05-10	13:32:59	1,000	28.52	SE
2022-05-10	11:04:29	1,000	28.66	SE	2022-05-10	13:33:29	5,000	28.52	SE
2022-05-10	11:12:15	1,000	28.66	SE	2022-05-10	13:46:52	1,000	28.51	SE
2022-05-10	11:12:48	5,000	28.66	SE	2022-05-10	13:49:23	1,000	28.51	SE
2022-05-10	11:13:17	1,000	28.65	SE	2022-05-10	13:56:43	1,000	28.51	SE
2022-05-10	11:26:15	1,000	28.65	SE	2022-05-10	14:08:18	5,000	28.48	SE
2022-05-10	11:44:16	1,000	28.65	SE	2022-05-10	14:08:21	1,000	28.48	SE
2022-05-10	11:44:19	5,000	28.65	SE	2022-05-10	14:18:07	1,000	28.48	SE
2022-05-10	11:44:34	5,000	28.65	SE	2022-05-10	14:26:22	5,000	28.48	SE
2022-05-10	11:44:36	5,000	28.65	SE	2022-05-10	14:26:24	5,000	28.48	SE
2022-05-10	11:50:33	5,000	28.64	SE	2022-05-10	15:03:23	1,000	28.47	SE
2022-05-10	11:50:54	5,000	28.64	SE	2022-05-10	15:03:23	1,000	28.47	SE
2022-05-10	11:51:12	1,000	28.64	SE	2022-05-10	15:08:49	1,000	28.47	SE
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2022-05-10	12:03:28	1,000	28.63	SE	2022-05-10	15:38:42	5,000	28.47	SE
2022-05-10	12:04:00	5,000	28.63	SE	2022-05-10	15:40:45	5,000	28.47	SE
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2022-05-10	12:09:55	5,000	28.62	SE	2022-05-10	15:41:16	1,000	28.47	SE
2022-05-10	12:09:55	5,000	28.62	SE	2022-05-10	15:41:23	1,000	28.47	SE
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2022-05-10	12:15:53	5,000	28.61	SE	2022-05-10	15:47:33	1,000	28.46	SE
2022-05-10	12:22:01	5,000	28.60	SE	2022-05-10	15:47:50	1,000	28.46	SE
2022-05-10	12:22:14	1,000	28.60	SE	2022-05-10	15:48:01	5,000	28.46	SE
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2022-05-10	12:28:17	1,000	28.60	SE	2022-05-10	15:48:33	1,000	28.46	SE
2022-05-10	12:28:26	5,000	28.60	SE	2022-05-10	15:48:33	1,000	28.46	SE
2022-05-10	12:28:27	1,000	28.57	SE	2022-05-10	15:48:34	1,000	28.46	SE

2022-05-10	15:48:34	1,000	28.46	SE	2022-05-10	16:47:48	1,000	28.36	SE
2022-05-10	15:48:40	1,000	28.46	SE	2022-05-10	16:49:19	5,000	28.35	SE
2022-05-10	15:48:51	1,000	28.46	SE	2022-05-10	16:49:22	5,000	28.34	SE
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2022-05-10	16:28:21	1,000	28.46	SE	2022-05-10	16:51:41	5,000	28.24	SE
2022-05-10	16:28:21	1,000	28.45	SE	2022-05-10	16:51:46	5,000	28.23	SE
2022-05-10	16:28:22	1,000	28.45	SE	2022-05-10	16:52:19	1,000	28.20	SE
2022-05-10	16:28:36	5,000	28.45	SE	2022-05-10	16:53:37	4,000	28.20	SE
2022-05-10	16:28:40	1,000	28.45	SE	2022-05-10	16:53:38	1,000	28.20	SE
2022-05-10	16:28:40	1,000	28.45	SE	2022-05-10	16:54:14	5,000	28.20	SE
2022-05-10	16:28:46	5,000	28.45	SE	2022-05-11	09:03:35	5,000	28.61	SE
2022-05-10	16:28:46	5,000	28.44	SE	2022-05-11	09:04:39	1,000	28.63	SE
2022-05-10	16:28:47	5,000	28.44	SE	2022-05-11	09:04:47	1,000	28.63	SE
2022-05-10	16:28:47	1,000	28.43	SE	2022-05-11	09:04:47	1,000	28.63	SE
2022-05-10	16:30:31	1,000	28.43	SE	2022-05-11	09:06:04	1,000	28.60	SE
2022-05-10	16:30:31	5,000	28.42	SE	2022-05-11	09:06:08	5,000	28.62	SE
2022-05-10	16:30:35	5,000	28.41	SE	2022-05-11	09:10:00	1,000	28.62	SE
2022-05-10	16:30:41	5,000	28.40	SE	2022-05-11	09:10:02	1,000	28.62	SE
2022-05-10	16:30:41	5,000	28.40	SE	2022-05-11	09:11:27	1,000	28.55	SE
2022-05-10	16:31:01	5,000	28.39	SE	2022-05-11	09:11:28	1,000	28.55	SE
2022-05-10	16:31:07	5,000	28.39	SE	2022-05-11	09:12:03	1,000	28.52	SE
2022-05-10	16:31:26	5,000	28.39	SE	2022-05-11	09:12:05	1,000	28.53	SE
2022-05-10	16:32:09	1,000	28.39	SE	2022-05-11	09:12:12	1,000	28.54	SE
2022-05-10	16:36:07	1,000	28.39	SE	2022-05-11	09:13:26	1,000	28.49	SE
2022-05-10	16:36:09	5,000	28.39	SE	2022-05-11	09:14:25	5,000	28.50	SE
2022-05-10	16:36:10	5,000	28.39	SE	2022-05-11	09:15:02	5,000	28.49	SE
2022-05-10	16:36:12	5,000	28.39	SE	2022-05-11	09:15:10	5,000	28.48	SE
2022-05-10	16:36:13	5,000	28.38	SE	2022-05-11	09:17:42	5,000	28.45	SE
2022-05-10	16:38:04	5,000	28.38	SE	2022-05-11	09:26:38	5,000	28.45	SE
2022-05-10	16:38:40	5,000	28.38	SE	2022-05-11	09:37:39	1,000	28.39	SE
2022-05-10	16:38:41	5,000	28.38	SE	2022-05-11	09:37:40	1,000	28.39	SE
2022-05-10	16:39:09	5,000	28.37	SE	2022-05-11	09:39:33	1,000	28.40	SE
2022-05-10	16:40:50	5,000	28.37	SE	2022-05-11	09:39:39	1,000	28.41	SE
2022-05-10	16:41:08	5,000	28.37	SE	2022-05-11	09:39:41	1,000	28.41	SE
2022-05-10	16:41:09	1,000	28.37	SE	2022-05-11	09:40:58	5,000	28.40	SE
2022-05-10	16:41:36	1,000	28.37	SE	2022-05-11	09:47:01	5,000	28.41	SE
2022-05-10	16:41:36	1,000	28.37	SE	2022-05-11	09:47:51	5,000	28.42	SE
2022-05-10	16:41:53	1,000	28.37	SE	2022-05-11	10:14:07	5,000	28.36	SE
2022-05-10	16:41:58	5,000	28.37	SE	2022-05-11	10:14:56	5,000	28.38	SE
2022-05-10	16:42:27	5,000	28.37	SE	2022-05-11	10:27:53	5,000	28.41	SE
2022-05-10	16:42:31	5,000	28.37	SE	2022-05-11	10:27:55	5,000	28.40	SE
2022-05-10	16:43:51	5,000	28.37	SE	2022-05-11	10:37:17	5,000	28.41	SE
2022-05-10	16:43:53	5,000	28.36	SE	2022-05-11	10:43:29	5,000	28.45	SE
2022-05-10	16:47:41	5,000	28.36	SE	2022-05-11	10:46:02	1,000	28.47	SE



2022-05-11	10:46:05	1,000	28.47	SE	2022-05-11	15:05:36	5,000	28.12	SE
2022-05-11	10:46:07	1,000	28.47	SE	2022-05-11	15:26:35	5,000	28.17	SE
2022-05-11	10:48:16	5,000	28.47	SE	2022-05-11	15:28:32	5,000	28.18	SE
2022-05-11	10:49:39	5,000	28.48	SE	2022-05-11	15:32:57	5,000	28.23	SE
2022-05-11	10:50:08	5,000	28.50	SE	2022-05-11	15:35:39	1,000	28.12	SE
2022-05-11	11:09:09	5,000	28.56	SE	2022-05-11	15:35:39	1,000	28.12	SE
2022-05-11	11:09:11	5,000	28.55	SE	2022-05-11	15:35:40	1,000	28.12	SE
2022-05-11	11:19:33	5,000	28.55	SE	2022-05-11	15:35:43	1,000	28.12	SE
2022-05-11	11:19:36	5,000	28.54	SE	2022-05-11	15:35:43	1,000	28.12	SE
2022-05-11	11:34:15	1,000	28.48	SE	2022-05-11	15:35:47	1,000	28.11	SE
2022-05-11	11:34:17	1,000	28.49	SE	2022-05-11	15:35:47	1,000	28.11	SE
2022-05-11	11:34:17	1,000	28.49	SE	2022-05-11	15:35:51	1,000	28.12	SE
2022-05-11	11:34:27	5,000	28.49	SE	2022-05-11	15:35:54	1,000	28.12	SE
2022-05-11	11:34:34	5,000	28.49	SE	2022-05-11	15:35:54	1,000	28.12	SE
2022-05-11	11:34:36	5,000	28.48	SE	2022-05-11	15:35:55	2,000	28.12	SE
2022-05-11	11:52:07	5,000	28.42	SE	2022-05-11	15:35:55	3,000	28.12	SE
2022-05-11	12:07:04	5,000	28.41	SE	2022-05-11	15:36:01	3,000	28.12	SE
2022-05-11	12:07:49	5,000	28.40	SE	2022-05-11	15:37:23	1,000	28.04	SE
2022-05-11	12:19:51	5,000	28.44	SE	2022-05-11	15:37:49	1,000	28.06	SE
2022-05-11	12:20:26	5,000	28.44	SE	2022-05-11	15:37:53	1,000	28.06	SE
2022-05-11	12:33:05	5,000	28.52	SE	2022-05-11	15:37:55	1,000	28.07	SE
2022-05-11	13:10:12	5,000	28.47	SE	2022-05-11	15:37:55	1,000	28.07	SE
2022-05-11	13:10:14	5,000	28.46	SE	2022-05-11	15:37:56	1,000	28.07	SE
2022-05-11	13:24:47	5,000	28.53	SE	2022-05-11	15:38:00	5,000	28.06	SE
2022-05-11	13:24:49	5,000	28.52	SE	2022-05-11	15:38:05	5,000	28.06	SE
2022-05-11	13:35:41	5,000	28.56	SE	2022-05-11	16:02:51	1,000	28.30	SE
2022-05-11	13:38:37	5,000	28.57	SE	2022-05-11	16:03:32	5,000	28.27	SE
2022-05-11	13:57:12	5,000	28.56	SE	2022-05-11	16:03:46	5,000	28.28	SE
2022-05-11	13:57:15	5,000	28.55	SE	2022-05-11	16:05:34	1,000	28.29	SE
2022-05-11	14:31:37	5,000	28.32	SE	2022-05-11	16:05:35	1,000	28.29	SE
2022-05-11	14:32:43	1,000	28.35	SE	2022-05-11	16:05:35	1,000	28.29	SE
2022-05-11	14:32:43	1,000	28.35	SE	2022-05-11	16:05:46	1,000	28.29	SE
2022-05-11	14:32:44	1,000	28.35	SE	2022-05-11	16:05:46	5,000	28.29	SE
2022-05-11	14:32:52	5,000	28.37	SE	2022-05-11	16:05:46	1,000	28.29	SE
2022-05-11	14:32:55	5,000	28.36	SE	2022-05-11	16:05:46	1,000	28.29	SE
2022-05-11	14:33:37	5,000	28.36	SE	2022-05-11	16:06:15	5,000	28.30	SE
2022-05-11	14:33:38	5,000	28.36	SE	2022-05-11	16:10:40	5,000	28.27	SE
2022-05-11	14:41:15	1,000	28.23	SE					
2022-05-11	14:41:16	1,000	28.23	SE					
2022-05-11	14:41:17	1,000	28.23	SE					
2022-05-11	14:41:19	1,000	28.23	SE					
2022-05-11	14:41:20	1,000	28.23	SE					
2022-05-11	14:41:20	1,000	28.23	SE					
2022-05-11	14:41:38	5,000	28.25	SE					
2022-05-11	14:45:52	5,000	28.28	SE					
2022-05-11	14:54:15	5,000	28.16	SE					
2022-05-11	14:54:16	5,000	28.16	SE					
2022-05-11	14:54:40	5,000	28.13	SE					
2022-05-11	15:02:04	5,000	28.09	SE					