

### Appendix – data on Danske Bank A/S's share buy-back transactions in week 47 2017

We enclose share buy-back transactions data in detailed and aggregated form in accordance with Commission Delegated Regulation (EU) 2016/1052 of 8 March 2016 supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council with regard to regulatory technical standards for the conditions applicable to buy-back programmes and stabilisation measures article 2.

All transactions are made by Danske Bank A/S on behalf of Danske Bank A/S.

#### Transactions per trading venue in week 47 2017

20 November 2017	Number of shares	VWAP DKK	Gross value DKK
BATD			
BATE	100	235.80	23,580
CHID			
CHIX			
DCSE			
TRQM			
TRQX			
XCSE	173,900	235.19	40,899,541
Total	174,000	235.19	40,923,060

21 November 2017	Number of shares	VWAP DKK	Gross value DKK
BATD			
BATE			
CHID			
CHIX			
DCSE			
TRQM			
TRQX			
XCSE	173,000	235.79	40,791,670
Total	173,000	235.79	40,791,670

22 November 2017	Number of shares	VWAP DKK	Gross value DKK
BATD			
BATE			
CHID			
CHIX			
DCSE			
TRQM			
TRQX			
XCSE	172,000	236.73	40,717,560
Total	172,000	236.73	40,717,560

23 November 2017	Number of shares	VWAP DKK	Gross value DKK
BATD			
BATE			
CHID			
CHIX			
DCSE			
TRQM			
TRQX			
XCSE	170,000	233.18	39,640,600
Total	170,000	233.18	39,640,600

24 November 2017	Number of shares	VWAP DKK	Gross value DKK
BATD			
BATE			
CHID			
CHIX			
DCSE			
TRQM			
TRQX			
XCSE	175,000	234.66	41,065,500
Total	175,000	234.66	41,065,500

## Transactions 20 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
294	233.8	XCSE	20171120 9:08:30.156000	607	235	XCSE	20171120 10:41:01.256000	235	235.5	XCSE	20171120 13:29:18.916000
294	233.8	XCSE	20171120 9:08:44.303000	898	235	XCSE	20171120 10:41:01.256000	682	235.5	XCSE	20171120 13:39:27.147000
294	233.8	XCSE	20171120 9:08:44.304000	1088	235	XCSE	20171120 10:41:01.256934	633	235.5	XCSE	20171120 13:39:27.147000
233	233.8	XCSE	20171120 9:08:44.304000	268	234.9	XCSE	20171120 10:44:45.041000	588	235.5	XCSE	20171120 13:43:25.440000
289	233.7	XCSE	20171120 9:09:49.539000	305	234.9	XCSE	20171120 10:44:51.338000	642	235.5	XCSE	20171120 13:43:25.440000
315	233.7	XCSE	20171120 9:09:49.539000	74	234.9	XCSE	20171120 10:44:51.468000	137	235.4	XCSE	20171120 13:44:52.266000
264	233.7	XCSE	20171120 9:09:49.539000	9	234.9	XCSE	20171120 10:44:51.468000	797	235.4	XCSE	20171120 13:44:52.266000
627	234.3	XCSE	20171120 9:14:23.143000	284	235	XCSE	20171120 10:45:53.339000	182	235.4	XCSE	20171120 13:44:52.266000
82	234.3	XCSE	20171120 9:14:23.143000	1227	235	XCSE	20171120 10:54:06.480000	267	235.4	XCSE	20171120 13:46:00.816394
265	234.3	XCSE	20171120 9:14:23.143000	372	235	XCSE	20171120 10:54:06.480000	300	235.4	XCSE	20171120 13:46:00.816394
265	234.3	XCSE	20171120 9:14:23.143000	306	234.9	XCSE	20171120 10:58:47.135000	200	235.4	XCSE	20171120 13:46:00.816394
24	234.3	XCSE	20171120 9:14:23.143000	270	234.9	XCSE	20171120 11:05:04.521000	442	235.4	XCSE	20171120 13:46:00.816394
394	234.3	XCSE	20171120 9:15:32.143000	397	234.9	XCSE	20171120 11:05:04.521000	68	235.4	XCSE	20171120 13:46:00.816394
218	234.3	XCSE	20171120 9:16:22.437000	272	234.9	XCSE	20171120 11:06:31.557000	469	235.4	XCSE	20171120 13:46:00.816394
272	234.3	XCSE	20171120 9:16:50.152000	136	234.9	XCSE	20171120 11:12:02.634000	2000	235.4	XCSE	20171120 13:46:04.493260
142	234.3	XCSE	20171120 9:17:02.243000	136	234.9	XCSE	20171120 11:12:02.634000	183	235.4	XCSE	20171120 13:46:04.493275
166	234.1	XCSE	20171120 9:18:30.143000	136	234.9	XCSE	20171120 11:12:02.634000	71	235.4	XCSE	20171120 13:46:04.493297
107	234.1	XCSE	20171120 9:18:30.143000	287	234.9	XCSE	20171120 11:12:02.634000	427	235.3	XCSE	20171120 13:46:04.677000
274	234	XCSE	20171120 9:18:47.462000	373	234.9	XCSE	20171120 11:15:44.529000	87	235.3	XCSE	20171120 13:52:29.195000
344	234.1	XCSE	20171120 9:20:01.106000	930	235.3	XCSE	20171120 11:22:55.407000	459	235.4	XCSE	20171120 13:55:51.500000
286	233.8	XCSE	20171120 9:22:39.143000	300	235.3	XCSE	20171120 11:22:55.407000	533	235.4	XCSE	20171120 13:55:51.500000
99	233.9	XCSE	20171120 9:24:34.621000	398	235.3	XCSE	20171120 11:22:55.412000	672	235.4	XCSE	20171120 13:55:51.500000
720	233.9	XCSE	20171120 9:24:34.622000	532	235.3	XCSE	20171120 11:22:55.435000	868	235.4	XCSE	20171120 13:55:51.502000
307	233.8	XCSE	20171120 9:27:06.143000	100	235.3	XCSE	20171120 11:22:55.436000	175	235.8	XCSE	20171120 14:09:06.491402
104	233.8	XCSE	20171120 9:27:06.143000	211	235.3	XCSE	20171120 11:22:55.436000	472	235.8	XCSE	20171120 14:09:06.491402
418	233.9	XCSE	20171120 9:27:54.217324	730	235.7	XCSE	20171120 11:26:03.406000	416	235.8	XCSE	20171120 14:09:06.491402
45	233.9	XCSE	20171120 9:27:54.217324	700	235.7	XCSE	20171120 11:26:03.406000	300	235.8	XCSE	20171120 14:09:06.491402
1218	233.9	XCSE	20171120 9:28:00.174492	285	235.7	XCSE	20171120 11:26:03.406000	390	235.8	XCSE	20171120 14:09:06.491402
79	233.9	XCSE	20171120 9:28:00.174498	626	235.7	XCSE	20171120 11:26:03.406000	333	235.8	XCSE	20171120 14:09:06.491457
1240	233.9	XCSE	20171120 9:28:00.174500	11	236	XCSE	20171120 11:43:15.505000	2914	235.8	XCSE	20171120 14:09:06.491491
106	233.8	XCSE	20171120 9:28:02.139000	807	236	XCSE	20171120 11:47:38.015000	725	235.7	XCSE	20171120 14:09:37.455000
33	233.8	XCSE	20171120 9:28:02.139000	1123	236	XCSE	20171120 11:47:38.015000	178	235.7	XCSE	20171120 14:09:37.455000
124	233.8	XCSE	20171120 9:28:02.139000	325	236	XCSE	20171120 11:47:45.158000	465	235.7	XCSE	20171120 14:09:37.455000
236	233.8	XCSE	20171120 9:28:02.139000	288	236	XCSE	20171120 11:47:45.158000	359	235.7	XCSE	20171120 14:09:37.476000
35	233.8	XCSE	20171120 9:28:02.139000	381	236	XCSE	20171120 11:47:45.158000	287	235.7	XCSE	20171120 14:09:37.476000
17	233.7	XCSE	20171120 9:28:46.146000	129	236	XCSE	20171120 11:47:45.160000	79	235.7	XCSE	20171120 14:09:37.476000
266	233.7	XCSE	20171120 9:28:46.146000	601	236	XCSE	20171120 11:47:45.160000	311	235.7	XCSE	20171120 14:09:37.476000
362	233.7	XCSE	20171120 9:30:21.017000	300	236.1	XCSE	20171120 12:02:21.310300	360	235.7	XCSE	20171120 14:09:37.476000
288	233.4	XCSE	20171120 9:31:20.166000	172	236.1	XCSE	20171120 12:02:21.310300	209	235.7	XCSE	20171120 14:09:37.476000
5000	233.4	XCSE	20171120 9:31:20.166122	174	236.1	XCSE	20171120 12:02:21.310300	80	235.7	XCSE	20171120 14:09:37.476000
282	233.4	XCSE	20171120 9:33:14.432000	290	236.1	XCSE	20171120 12:02:21.310300	300	235.7	XCSE	20171120 14:09:37.476000
4	233.4	XCSE	20171120 9:33:14.457000	856	236.1	XCSE	20171120 12:02:21.310300	320	235.7	XCSE	20171120 14:09:37.480000
264	233.2	XCSE	20171120 9:33:59.009000	500	236.1	XCSE	20171120 12:02:21.311298	25	235.7	XCSE	20171120 14:09:37.480000
22	233.2	XCSE	20171120 9:33:59.009000	327	236.1	XCSE	20171120 12:02:21.311352	1757	235.7	XCSE	20171120 14:13:57.703000
90	233.6	XCSE	20171120 9:36:24.831000	10	236.1	XCSE	20171120 12:02:21.340279	90	235.7	XCSE	20171120 14:13:57.704000
281	233.6	XCSE	20171120 9:36:24.831000	376	236.1	XCSE	20171120 12:02:21.347832	71	235.7	XCSE	20171120 14:13:57.704000
319	233.7	XCSE	20171120 9:38:22.893000	14	236.1	XCSE	20171120 12:02:21.347894	90	235.7	XCSE	20171120 14:13:57.704000
272	233.7	XCSE	20171120 9:39:03.897000	184	236.1	XCSE	20171120 12:02:22.157897	300	235.7	XCSE	20171120 14:13:57.704000
1	233.7	XCSE	20171120 9:39:03.897000	100	236.1	XCSE	20171120 12:02:22.157897	187	235.7	XCSE	20171120 14:13:57.712000
15	233.7	XCSE	20171120 9:40:11.302000	200	236.1	XCSE	20171120 12:02:22.419282	552	235.8	XCSE	20171120 14:22:22.771000
298	233.7	XCSE	20171120 9:40:11.302000	408	236.2	XCSE	20171120 12:10:37.552127	609	235.8	XCSE	20171120 14:22:22.771000
280	233.9	XCSE	20171120 9:42:30.269000	300	236.2	XCSE	20171120 12:10:37.552127	552	235.8	XCSE	20171120 14:22:22.775000
153	233.9	XCSE	20171120 9:42:30.269000	365	236.2	XCSE	20171120 12:10:37.552127	349	235.8	XCSE	20171120 14:22:22.775000
38	233.9	XCSE	20171120 9:44:18.801000	3927	236.2	XCSE	20171120 12:10:37.552127	270	235.8	XCSE	20171120 14:22:22.785000
255	233.9	XCSE	20171120 9:44:18.801000	408	236.2	XCSE	20171120 12:10:45.802868	235	235.8	XCSE	20171120 14:22:22.786000
90	233.9	XCSE	20171120 9:44:18.801000	234	236.2	XCSE	20171120 12:10:45.802868	316	235.8	XCSE	20171120 14:28:30.264000
175	233.8	XCSE	20171120 9:46:21.292000	2496	236.2	XCSE	20171120 12:10:45.802868	603	235.7	XCSE	20171120 14:31:16.292000
254	233.8	XCSE	20171120 9:46:21.293000	209	236.1	XCSE	20171120 12:21:08.854000	214	235.7	XCSE	20171120 14:31:16.292000
716	233.8	XCSE	20171120 9:51:43.106000	1332	236.1	XCSE	20171120 12:21:08.854000	603	235.7	XCSE	20171120 14:31:16.318000
3	233.8	XCSE	20171120 9:51:43.106000	148	236.1	XCSE	20171120 12:21:08.854000	603	235.7	XCSE	20171120 14:31:16.320000
380	233.7	XCSE	20171120 9:52:14.322000	559	235.8	XCSE	20171120 12:21:36.957129	349	235.7	XCSE	20171120 14:31:16.320000
3	233.7	XCSE	20171120 9:52:14.322000	100	235.8	BATE	20171120 12:21:36.958006	603	235.7	XCSE	20171120 14:31:16.320000
335	233.7	XCSE	20171120 9:57:18.023000	747	235.8	XCSE	20171120 12:23:56.702000	15	235.7	XCSE	20171120 14:31:16.320000
432	233.8	XCSE	20171120 9:58:56.477000	297	235.8	XCSE	20171120 12:28:17.833000	305	235.7	XCSE	20171120 14:31:16.320000
128	233.8	XCSE	20171120 9:58:56.477000	247	235.8	XCSE	20171120 12:28:17.833000	298	235.7	XCSE	20171120 14:31:16.320000
280	233.8	XCSE	20171120 9:58:56.478000	287	235.7	XCSE	20171120 12:36:51.471000	312	235.6	XCSE	20171120 14:43:36.147000
152	233.8	XCSE	20171120 9:58:56.584000	287	235.7	XCSE	20171120 12:37:57.436000	168	235.6	XCSE	20171120 14:43:36.147000
281	233.8	XCSE	20171120 10:02:32.144000	292	235.7	XCSE	20171120 12:37:57.436000	93	235.6	XCSE	20171120 14:44:31.027000
276	233.8	XCSE	20171120 10:02:44.279000	48	235.7	XCSE	20171120 12:37:57.460000	261	235.6	XCSE	20171120 14:44:31.033000
146	233.8	XCSE	20171120 10:02:44.281000	351	235.7	XCSE	20171120 12:41:15.933000	513	235.5	XCSE	20171120 14:44:35.112000
655	234	XCSE	20171120 10:06:22.461000	375	235.7	XCSE	20171120 12:41:15.933000	679	235.6	XCSE	20171120 14:46:45.392000
282	233.8	XCSE	20171120 10:09:44.524000	200	235.7	XCSE	20171120 12:41:50.946072	1357	235.6	XCSE	20171120 14:46:45.392000
303	233.8	XCSE	20171120 10:12:59.772000	203	235.7	XCSE	20171120 12:41:50.946072	1444	235.6	XCSE	20171120 14:46:45.392000
369	233.8	XCSE	20171120 10:12:59.772000	174	235.7	XCSE	20171120 12:41:50.946				

## Transactions 20 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
604	235.2	XCSE	20171120 15:31:20.912000	82	235.1	XCSE	20171120 16:41:23.934705
973	235.2	XCSE	20171120 15:31:20.912000	166	235.1	XCSE	20171120 16:41:23.956921
260	235.2	XCSE	20171120 15:31:20.912000	500	235.2	XCSE	20171120 16:48:35.106917
823	235.1	XCSE	20171120 15:35:52.177000	2171	235.2	XCSE	20171120 16:48:35.106917
1529	235	XCSE	20171120 15:39:31.086000	500	235.2	XCSE	20171120 16:48:35.122484
97	235	XCSE	20171120 15:39:31.086000	514	235.2	XCSE	20171120 16:48:35.122555
2120	235	XCSE	20171120 15:39:31.086000	500	235.2	XCSE	20171120 16:48:35.123889
563	235	XCSE	20171120 15:39:31.086000	286	235.2	XCSE	20171120 16:48:35.123950
688	235.1	XCSE	20171120 15:42:08.601000	191	235.2	XCSE	20171120 16:48:35.127953
171	235.1	XCSE	20171120 15:43:13.220000	309	235.2	XCSE	20171120 16:48:35.153574
126	235.1	XCSE	20171120 15:43:24.608000	310	235.2	XCSE	20171120 16:48:35.153606
5	235.1	XCSE	20171120 15:43:33.973000	1479	235.2	XCSE	20171120 16:48:35.186285
337	235.1	XCSE	20171120 15:43:39.035000	500	235.2	XCSE	20171120 16:48:35.186285
235	235.1	XCSE	20171120 15:48:55.407520	500	235.2	XCSE	20171120 16:48:40.576329
158	235.1	XCSE	20171120 15:48:55.407520	712	235.2	XCSE	20171120 16:48:40.576329
268	235.1	XCSE	20171120 15:48:55.407520	12	235.2	XCSE	20171120 16:48:40.592162
265	235.1	XCSE	20171120 15:48:55.407520	21	235.2	XCSE	20171120 16:48:40.601792
149	235.1	XCSE	20171120 15:48:55.407520	200	235.2	XCSE	20171120 16:48:40.601834
300	235.1	XCSE	20171120 15:48:55.407520	409	235.2	XCSE	20171120 16:48:40.639408
225	235.1	XCSE	20171120 15:48:55.407520	267	235.2	XCSE	20171120 16:48:40.639408
444	235.1	XCSE	20171120 15:48:55.433352	321	235.2	XCSE	20171120 16:48:40.639469
440	235.1	XCSE	20171120 15:48:55.433571	133	235.2	XCSE	20171120 16:48:40.649666
284	235.1	XCSE	20171120 15:48:55.471444	500	235.2	XCSE	20171120 16:48:40.649666
125	235.1	XCSE	20171120 15:48:57.558132				
153	235.1	XCSE	20171120 15:49:33.856872				
598	235.1	XCSE	20171120 15:49:42.647728				
556	235.1	XCSE	20171120 15:50:48.292000				
250	235.1	XCSE	20171120 15:50:48.292000				
173	235.1	XCSE	20171120 15:50:48.292000				
668	235.1	XCSE	20171120 15:50:48.292000				
894	235.1	XCSE	20171120 15:50:48.292000				
250	235.1	XCSE	20171120 15:50:48.292648				
1106	235.1	XCSE	20171120 15:50:48.292680				
108	234.9	XCSE	20171120 15:50:57.394000				
422	234.9	XCSE	20171120 15:53:12.929000				
758	234.9	XCSE	20171120 15:53:43.070000				
306	234.9	XCSE	20171120 15:55:30.677000				
1843	235.2	XCSE	20171120 16:02:21.204000				
300	235.2	XCSE	20171120 16:02:21.204000				
133	235.2	XCSE	20171120 16:02:21.204000				
48	235.2	XCSE	20171120 16:02:21.204000				
248	235.2	XCSE	20171120 16:02:21.205000				
490	235.2	XCSE	20171120 16:02:21.209000				
390	235.2	XCSE	20171120 16:02:21.225000				
500	235.2	XCSE	20171120 16:02:21.226000				
215	235.2	XCSE	20171120 16:02:21.347000				
79	235.1	XCSE	20171120 16:02:49.060000				
545	235.1	XCSE	20171120 16:02:49.060000				
259	235.1	XCSE	20171120 16:05:09.049000				
125	235.2	XCSE	20171120 16:05:51.504000				
188	235.2	XCSE	20171120 16:05:51.504000				
45	235.2	XCSE	20171120 16:05:51.504000				
867	235.3	XCSE	20171120 16:10:38.151000				
112	235.3	XCSE	20171120 16:10:38.151000				
667	235.3	XCSE	20171120 16:17:35.647000				
811	235.4	XCSE	20171120 16:20:01.914000				
189	235.4	XCSE	20171120 16:20:01.914000				
213	235.4	XCSE	20171120 16:20:01.914000				
299	235.4	XCSE	20171120 16:23:21.309000				
318	235.3	XCSE	20171120 16:25:27.632000				
295	235.3	XCSE	20171120 16:31:28.480000				
357	235.3	XCSE	20171120 16:31:47.205000				
153	235.3	XCSE	20171120 16:33:52.623000				
97	235.3	XCSE	20171120 16:33:52.623000				
272	235.1	XCSE	20171120 16:35:28.067000				
264	235	XCSE	20171120 16:37:49.503000				
343	235.1	XCSE	20171120 16:40:37.327000				
500	235.1	XCSE	20171120 16:41:05.142345				
380	235.1	XCSE	20171120 16:41:05.142406				
408	235.1	XCSE	20171120 16:41:08.413843				
92	235.1	XCSE	20171120 16:41:08.413899				
223	235.1	XCSE	20171120 16:41:08.413902				
500	235.1	XCSE	20171120 16:41:11.469498				
320	235.1	XCSE	20171120 16:41:11.469553				
39	235.1	XCSE	20171120 16:41:11.469555				
500	235.1	XCSE	20171120 16:41:11.493367				
180	235.1	XCSE	20171120 16:41:11.493367				
237	235.1	XCSE	20171120 16:41:13.933164				
263	235.1	XCSE	20171120 16:41:16.889174				
340	235.1	XCSE	20171120 16:41:16.889224				
310	235.1	XCSE	20171120 16:41:16.889233				
91	235.1	XCSE	20171120 16:41:18.938163				
409	235.1	XCSE	20171120 16:41:18.962431				
500	235.1	XCSE	20171120 16:41:19.034809				
330	235.1	XCSE	20171120 16:41:19.034858				
299	235.1	XCSE	20171120 16:41:19.265034				
201	235.1	XCSE	20171120 16:41:19.341575				
320	235.1	XCSE	20171120 16:41:19.341625				
500	235.1	XCSE	20171120 16:41:19.670616				
360	235.1	XCSE	20171120 16:41:19.670670				
500	235.1	XCSE	20171120 16:41:19.895527				
360	235.1	XCSE	20171120 16:41:19.895605				
140	235.1	XCSE	20171120 16:41:23.209935				
300	235.1	XCSE	20171120 16:41:23.209980				
340	235.1	XCSE	20171120 16:41:23.209991				
298	235.1	XCSE	20171120 16:41:23.210057				
32	235.1	XCSE	20171120 16:41:23.278661				
88	235.1	XCSE	20171120 16:41:23.904306				
82	235.1	XCSE	20171120 16:41:23.932008				
310	235.1	XCSE	20171120 16:41:23.932041				
				<b>174.000</b>	<b>235.19</b>		

## Transactions 21 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
135	235.3	XCSE	20171121 9:00:01.972000	323	236	XCSE	20171121 10:34:59.792000	407	236	XCSE	20171121 12:55:21.942000
288	235.3	XCSE	20171121 9:00:01.972000	278	235.9	XCSE	20171121 10:36:28.712000	188	235.8	XCSE	20171121 12:56:00.224000
288	235.3	XCSE	20171121 9:00:03.092000	277	235.8	XCSE	20171121 10:37:20.461000	73	235.8	XCSE	20171121 12:56:00.224000
104	235.3	XCSE	20171121 9:00:03.761000	500	235.8	XCSE	20171121 10:37:27.684959	300	235.8	XCSE	20171121 12:56:10.940409
184	235.3	XCSE	20171121 9:00:03.761000	500	235.8	XCSE	20171121 10:37:27.684959	174	235.8	XCSE	20171121 12:56:10.940409
229	235.3	XCSE	20171121 9:00:03.761000	304	235.8	XCSE	20171121 10:37:27.684959	438	235.8	XCSE	20171121 12:56:10.940409
313	235.5	XCSE	20171121 9:00:50.089000	300	235.8	XCSE	20171121 10:37:27.684959	403	235.8	XCSE	20171121 12:56:10.940409
434	235.6	XCSE	20171121 9:03:12.825000	896	235.8	XCSE	20171121 10:37:28.106565	167	235.8	XCSE	20171121 12:56:10.940409
485	235.6	XCSE	20171121 9:03:12.825000	278	235.8	XCSE	20171121 10:39:01.226000	500	235.8	XCSE	20171121 12:56:10.940409
305	235.3	XCSE	20171121 9:04:19.302000	300	235.7	XCSE	20171121 10:40:26.727904	500	235.8	XCSE	20171121 12:56:10.940409
405	235.1	XCSE	20171121 9:05:56.474000	370	235.7	XCSE	20171121 10:41:41.071000	384	235.8	XCSE	20171121 12:56:10.961491
295	235.1	XCSE	20171121 9:06:32.061000	66	235.7	XCSE	20171121 10:41:41.071579	293	235.8	XCSE	20171121 12:56:10.961500
18	235.1	XCSE	20171121 9:06:32.061000	148	235.7	XCSE	20171121 10:41:41.071587	322	235.8	XCSE	20171121 12:56:10.961516
295	235.1	XCSE	20171121 9:06:32.061000	250	235.7	XCSE	20171121 10:41:41.071613	1519	235.8	XCSE	20171121 12:56:10.961532
75	234.9	XCSE	20171121 9:07:43.519000	509	235.7	XCSE	20171121 10:41:41.071644	1673	235.7	XCSE	20171121 13:00:09.739000
432	234.9	XCSE	20171121 9:07:43.519000	1727	235.7	XCSE	20171121 10:41:41.071647	705	235.7	XCSE	20171121 13:00:09.739000
812	234.8	XCSE	20171121 9:10:01.757000	3	235.8	XCSE	20171121 10:44:29.496000	459	235.6	XCSE	20171121 13:03:52.503000
1004	235	XCSE	20171121 9:12:16.806000	616	235.8	XCSE	20171121 10:44:29.496000	510	235.5	XCSE	20171121 13:07:11.432000
43	234.8	XCSE	20171121 9:14:32.208000	40	235.8	XCSE	20171121 10:44:29.496000	65	235.4	XCSE	20171121 13:07:33.454000
741	235	XCSE	20171121 9:15:10.892000	285	235.8	XCSE	20171121 10:46:14.990000	410	235.4	XCSE	20171121 13:07:33.454000
324	234.7	XCSE	20171121 9:16:25.473000	286	235.7	XCSE	20171121 10:50:39.141000	272	235.4	XCSE	20171121 13:11:01.313000
99	234.9	XCSE	20171121 9:17:55.414000	1017	235.7	XCSE	20171121 10:56:42.788000	247	235.6	XCSE	20171121 13:12:37.479676
298	234.9	XCSE	20171121 9:17:55.414000	388	235.7	XCSE	20171121 10:56:42.788000	1018	235.6	XCSE	20171121 13:12:37.479676
275	234.8	XCSE	20171121 9:21:13.465000	164	235.7	XCSE	20171121 10:56:42.788000	174	235.6	XCSE	20171121 13:12:37.479676
171	234.8	XCSE	20171121 9:21:13.465000	306	235.9	XCSE	20171121 11:03:11.889000	748	235.7	XCSE	20171121 13:15:22.129000
209	234.8	XCSE	20171121 9:21:13.465000	251	235.9	XCSE	20171121 11:03:11.889000	136	236.1	XCSE	20171121 13:19:44.301000
266	235	XCSE	20171121 9:24:36.840000	200	235.9	XCSE	20171121 11:03:11.889000	595	236.1	XCSE	20171121 13:19:44.301000
315	235	XCSE	20171121 9:24:36.840000	251	235.9	XCSE	20171121 11:03:11.889000	309	236.2	XCSE	20171121 13:23:09.104000
185	235	XCSE	20171121 9:24:36.840000	41	235.9	XCSE	20171121 11:03:11.889000	261	236.2	XCSE	20171121 13:23:09.104000
8	235	XCSE	20171121 9:24:36.840000	449	235.8	XCSE	20171121 11:07:22.433000	286	236.3	XCSE	20171121 13:25:02.164000
73	235	XCSE	20171121 9:24:36.840000	50	235.8	XCSE	20171121 11:09:21.837000	284	236.1	XCSE	20171121 13:27:27.490000
397	235	XCSE	20171121 9:25:55.888000	122	235.8	XCSE	20171121 11:09:21.837000	24	236.1	XCSE	20171121 13:37:32.433000
190	235	XCSE	20171121 9:25:55.888000	300	235.8	XCSE	20171121 11:09:21.837000	61	236.1	XCSE	20171121 13:41:48.270000
900	235	XCSE	20171121 9:25:55.888000	541	235.8	XCSE	20171121 11:09:21.837000	1371	236.1	XCSE	20171121 13:41:48.270000
500	235	XCSE	20171121 9:25:55.888000	142	235.8	XCSE	20171121 11:09:21.837000	811	236.4	XCSE	20171121 13:53:30.403000
500	235	XCSE	20171121 9:25:55.888000	247	235.8	XCSE	20171121 11:14:53.473000	1351	236.4	XCSE	20171121 13:53:30.403000
320	235	XCSE	20171121 9:25:55.888000	54	235.8	XCSE	20171121 11:14:53.473000	382	236.4	XCSE	20171121 13:53:30.403000
1690	235	XCSE	20171121 9:25:55.888000	82	236	XCSE	20171121 11:17:14.126000	409	236.4	XCSE	20171121 13:53:30.403000
258	235	XCSE	20171121 9:26:20.275000	292	236	XCSE	20171121 11:17:14.126000	98	236.4	XCSE	20171121 13:53:30.403000
149	235.2	XCSE	20171121 9:29:00.880000	575	236	XCSE	20171121 11:17:14.126000	365	236.4	XCSE	20171121 13:55:02.445000
332	235.2	XCSE	20171121 9:29:00.880000	279	236	XCSE	20171121 11:17:14.126000	525	236.4	XCSE	20171121 13:55:02.445000
159	235.2	XCSE	20171121 9:30:03.959000	614	236.1	XCSE	20171121 11:20:50.432000	124	236.5	XCSE	20171121 14:02:11.017000
116	235.2	XCSE	20171121 9:30:03.959000	255	236.1	XCSE	20171121 11:20:58.197000	1274	236.5	XCSE	20171121 14:02:11.017000
54	235.2	XCSE	20171121 9:30:03.959000	614	236.1	XCSE	20171121 11:24:46.525000	615	236.6	XCSE	20171121 14:06:35.130000
472	235.7	XCSE	20171121 9:31:53.201000	293	236.1	XCSE	20171121 11:26:43.081000	99	236.6	XCSE	20171121 14:06:35.130000
301	235.7	XCSE	20171121 9:33:09.195000	431	236.1	XCSE	20171121 11:30:06.400000	227	236.6	XCSE	20171121 14:06:35.130000
582	236.1	XCSE	20171121 9:35:39.816000	1721	236.2	XCSE	20171121 11:39:34.426000	227	236.6	XCSE	20171121 14:06:35.130000
496	236.1	XCSE	20171121 9:35:39.816000	552	236.2	XCSE	20171121 11:39:34.426000	12	236.6	XCSE	20171121 14:06:35.130000
71	236.1	XCSE	20171121 9:35:39.816000	703	236.1	XCSE	20171121 11:47:37.396000	292	236.5	XCSE	20171121 14:07:35.825000
12	235.8	XCSE	20171121 9:37:27.383000	135	236.1	XCSE	20171121 11:47:37.396000	246	236.5	XCSE	20171121 14:08:41.276000
284	235.8	XCSE	20171121 9:37:27.383000	398	236.1	XCSE	20171121 11:52:33.952000	300	236.4	XCSE	20171121 14:13:40.087000
297	235.7	XCSE	20171121 9:39:36.647000	1511	236.1	XCSE	20171121 11:52:33.952000	1097	236.3	XCSE	20171121 14:16:12.164000
397	235.6	XCSE	20171121 9:44:22.373000	647	236	XCSE	20171121 11:55:22.854000	200	236.3	XCSE	20171121 14:16:12.164000
265	235.6	XCSE	20171121 9:44:22.373000	600	236	XCSE	20171121 11:57:19.896000	14	236.2	XCSE	20171121 14:16:22.199000
508	235.6	XCSE	20171121 9:46:50.608000	289	235.9	XCSE	20171121 11:58:52.774000	40	236.2	XCSE	20171121 14:16:54.786000
646	235.6	XCSE	20171121 9:46:50.608000	272	236	XCSE	20171121 12:01:02.371000	1088	236.3	XCSE	20171121 14:19:58.240000
422	235.6	XCSE	20171121 9:50:00.074000	307	236	XCSE	20171121 12:01:02.371000	591	236.4	XCSE	20171121 14:25:31.397000
403	235.6	XCSE	20171121 9:50:00.074000	290	236	XCSE	20171121 12:04:42.513000	852	236.4	XCSE	20171121 14:25:31.397000
234	235.6	XCSE	20171121 9:50:00.074000	134	236	XCSE	20171121 12:05:17.099000	676	236.4	XCSE	20171121 14:25:31.397000
285	235.5	XCSE	20171121 9:50:54.374000	236	236	XCSE	20171121 12:05:17.099000	374	236.4	XCSE	20171121 14:26:30.266000
222	235.5	XCSE	20171121 9:58:09.634000	604	236	XCSE	20171121 12:09:06.869000	676	235.5	XCSE	20171121 14:32:08.573000
645	235.5	XCSE	20171121 9:58:09.634000	306	235.9	XCSE	20171121 12:11:38.447000	267	236.5	XCSE	20171121 14:32:08.573000
228	235.5	XCSE	20171121 9:58:09.634000	259	235.8	XCSE	20171121 12:13:49.670000	136	236.5	XCSE	20171121 14:35:09.937000
849	236	XCSE	20171121 10:02:10.963260	389	235.8	XCSE	20171121 12:13:57.391000	643	236.5	XCSE	20171121 14:35:09.937000
210	236	XCSE	20171121 10:02:10.963260	392	235.8	XCSE	20171121 12:15:10.114847	643	236.5	XCSE	20171121 14:35:09.937000
4	236	XCSE	20171121 10:02:10.963260	400	235.8	XCSE	20171121 12:15:10.114847	300	236.5	XCSE	20171121 14:35:09.937000
432	236	XCSE	20171121 10:02:10.995569	200	235.8	XCSE	20171121 12:15:10.114847	5	236.5	XCSE	20171121 14:35:09.937000
294	236	XCSE	20171121 10:02:10.996162	174	235.8	XCSE	20171121 12:15:10.114847	500	236.5	XCSE	20171121 14:35:09.937000
125	236	XCSE	20171121 10:02:10.996198	560	235.8	XCSE	20171121 12:15:10.114847	162	236.5	XCSE	20171121 14:35:09.937000
586	236	XCSE	20171121 10:02:10.996535	174	235.8	XCSE	20171121 12:15:10.114847	341	236.5	XCSE	20171121 14:36:29.427000
380	236.2	XCSE	20171121 10:04:34.186000	230	235.8	XCSE	20171121 12:15:10.114847	44	236.7	XCSE	20171121 14:42:52.774000
553	236.2	XCSE	20171121 10:04:34.186000	85	235.8	XCSE	20171121 12:15:10.114847	1640	236.7	XCSE	20171121 14:42:52.774000
553	236.2	XCSE	20171121 10:04:34.186000	300	235.8	XCSE	20171121 12:15:10.114847	906	236.7	XCSE	20171121 14:42:52.774000
126	236.2	XCSE	20171121 10:04:34.186000	485	235.8	XCSE	20171121 12:15:10.114847	219	236.6	XCSE	

## Transactions 21 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
320	236.1	XCSE	20171121 15:15:57.901000	500	235.2	XCSE	20171121 16:40:28.977590
219	236.1	XCSE	20171121 15:15:57.901000	809	235.2	XCSE	20171121 16:40:28.977590
176	236.1	XCSE	20171121 15:15:57.901000	392	235.2	XCSE	20171121 16:40:28.977590
350	236	XCSE	20171121 15:16:36.965000	100	235.2	XCSE	20171121 16:40:28.977590
270	236	XCSE	20171121 15:16:36.988000	1632	235.2	XCSE	20171121 16:40:28.977590
80	236	XCSE	20171121 15:16:38.935000	23	235.2	XCSE	20171121 16:40:28.977590
80	236	XCSE	20171121 15:16:38.958000	223	235.2	XCSE	20171121 16:40:28.977590
312	235.9	XCSE	20171121 15:18:11.477000	414	235.2	XCSE	20171121 16:40:33.488000
56	235.9	XCSE	20171121 15:21:23.251000	1321	235.2	XCSE	20171121 16:40:33.488313
1534	235.9	XCSE	20171121 15:21:23.251000	278	235.2	XCSE	20171121 16:42:18.951000
553	235.9	XCSE	20171121 15:21:23.251000	437	235.1	XCSE	20171121 16:42:53.849000
279	235.9	XCSE	20171121 15:21:23.251000	61	235.1	XCSE	20171121 16:42:53.849000
3500	235.9	XCSE	20171121 15:21:23.251889	57	235	XCSE	20171121 16:43:25.566000
73	235.9	XCSE	20171121 15:22:42.701000	267	235	XCSE	20171121 16:43:25.590000
419	235.9	XCSE	20171121 15:22:42.702000	500	235	XCSE	20171121 16:43:52.530880
17	235.9	XCSE	20171121 15:22:42.703000	399	235	XCSE	20171121 16:43:52.530880
509	235.9	XCSE	20171121 15:22:55.961000	374	235	XCSE	20171121 16:43:52.530880
49	235.9	XCSE	20171121 15:22:55.963000	23	235	XCSE	20171121 16:43:52.530880
448	235.8	XCSE	20171121 15:23:04.162000				
538	235.6	XCSE	20171121 15:26:12.440000				
339	235.6	XCSE	20171121 15:28:17.251000	<u>173.000</u>	<u>235.79</u>		
4	235.6	XCSE	20171121 15:28:17.251000				
283	235.6	XCSE	20171121 15:28:17.251000				
77	235.6	XCSE	20171121 15:28:27.084562				
255	235.6	XCSE	20171121 15:28:27.084562				
525	235.6	XCSE	20171121 15:28:27.084562				
3050	235.6	XCSE	20171121 15:28:27.088180				
1093	235.6	XCSE	20171121 15:28:27.088217				
438	235.6	XCSE	20171121 15:29:00.311000				
368	235.6	XCSE	20171121 15:29:00.311000				
267	235.5	XCSE	20171121 15:29:36.903000				
195	235.5	XCSE	20171121 15:30:57.897000				
11	235.5	XCSE	20171121 15:30:57.897000				
244	235.5	XCSE	20171121 15:30:57.897000				
269	235.4	XCSE	20171121 15:33:29.629000				
285	235.3	XCSE	20171121 15:37:11.182000				
304	235.3	XCSE	20171121 15:37:11.182000				
103	235.3	XCSE	20171121 15:37:11.182000				
119	235.3	XCSE	20171121 15:37:11.182000				
364	235.2	XCSE	20171121 15:38:56.602000				
305	235.2	XCSE	20171121 15:38:56.623000				
372	235.2	XCSE	20171121 15:38:56.623000				
334	235.2	XCSE	20171121 15:38:56.623000				
1073	235.4	XCSE	20171121 15:41:05.555000				
255	235.4	XCSE	20171121 15:41:06.064000				
400	235.3	XCSE	20171121 15:42:20.020000				
92	235.4	XCSE	20171121 15:49:40.689000				
750	235.4	XCSE	20171121 15:49:40.710000				
62	235.4	XCSE	20171121 15:49:40.710000				
57	235.4	XCSE	20171121 15:51:58.428000				
100	235.4	XCSE	20171121 15:51:58.430000				
975	235.4	XCSE	20171121 15:51:58.430000				
1132	235.4	XCSE	20171121 15:52:13.419000				
193	235.4	XCSE	20171121 15:52:13.421000				
74	235.4	XCSE	20171121 15:52:13.543000				
342	235.4	XCSE	20171121 15:52:15.816000				
174	235.4	XCSE	20171121 15:52:15.816000				
242	235.4	XCSE	20171121 15:52:15.816000				
251	235.4	XCSE	20171121 15:52:15.816000				
20	235.4	XCSE	20171121 15:52:15.818000				
309	235.1	XCSE	20171121 15:53:13.484000				
415	235.2	XCSE	20171121 15:56:00.393000				
200	235.3	XCSE	20171121 15:59:18.661000				
665	235.3	XCSE	20171121 15:59:18.661000				
665	235.3	XCSE	20171121 15:59:18.661000				
319	235.3	XCSE	20171121 15:59:18.661000				
333	235.3	XCSE	20171121 16:05:53.053000				
52	235.3	XCSE	20171121 16:05:53.053000				
175	235.3	XCSE	20171121 16:05:53.053000				
158	235.3	XCSE	20171121 16:05:53.053000				
1006	235.3	XCSE	20171121 16:08:39.866000				
1356	235.3	XCSE	20171121 16:08:39.866000				
40	235.2	XCSE	20171121 16:08:46.471000				
431	235.2	XCSE	20171121 16:08:46.473000				
82	235.2	XCSE	20171121 16:08:46.475000				
87	235.2	XCSE	20171121 16:08:46.499000				
180	235.2	XCSE	20171121 16:08:46.499000				
44	235.1	XCSE	20171121 16:10:25.229000				
249	235.1	XCSE	20171121 16:11:44.810000				
65	235.1	XCSE	20171121 16:14:25.474000				
785	235.1	XCSE	20171121 16:14:25.474000				
603	235.1	XCSE	20171121 16:16:03.401000				
603	235.1	XCSE	20171121 16:16:03.401000				
139	235.1	XCSE	20171121 16:16:03.401000				
315	235	XCSE	20171121 16:24:06.967000				
261	235	XCSE	20171121 16:28:28.402000				
915	235	XCSE	20171121 16:28:28.402000				
870	235	XCSE	20171121 16:28:28.402000				
79	235	XCSE	20171121 16:32:47.164714				
170	235	XCSE	20171121 16:32:47.164714				
3628	235	XCSE	20171121 16:32:47.164714				
161	235	XCSE	20171121 16:32:47.164714				
371	235	XCSE	20171121 16:32:47.164714				
100	235	XCSE	20171121 16:32:47.164714				
100	235	XCSE	20171121 16:32:47.164714				
390	235	XCSE	20171121 16:32:47.164714				
1	235	XCSE	20171121 16:32:47.164714				
1745	235.2	XCSE	20171121 16:38:01.442000				
596	235.2	XCSE	20171121 16:38:36.100000				
296	235.2	XCSE	20171121 16:39:58.009000				

## Transactions 22 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
24	235	XCSE	20171122 9:01:01.126000	351	236.7	XCSE	20171122 10:40:18.924012	572	237.2	XCSE	20171122 13:31:35.799000
315	235	XCSE	20171122 9:02:04.493000	11	236.7	XCSE	20171122 10:40:25.269379	428	237.2	XCSE	20171122 13:31:35.799000
300	235	XCSE	20171122 9:02:04.493000	900	236.7	XCSE	20171122 10:40:25.269420	390	237.2	XCSE	20171122 13:31:35.799000
300	235	XCSE	20171122 9:02:04.493000	1363	236.7	XCSE	20171122 10:40:25.269451	38	237.2	XCSE	20171122 13:31:35.799000
40	235	XCSE	20171122 9:02:04.493000	384	236.6	XCSE	20171122 10:46:36.180000	428	237.2	XCSE	20171122 13:31:35.823000
300	235	XCSE	20171122 9:02:04.493000	444	236.7	XCSE	20171122 10:48:17.614000	121	237.2	XCSE	20171122 13:31:35.823000
315	235	XCSE	20171122 9:02:04.493000	1133	236.7	XCSE	20171122 10:48:17.614000	445	237.6	XCSE	20171122 13:53:10.683698
300	235	XCSE	20171122 9:02:04.493000	1033	236.9	XCSE	20171122 10:53:05.613000	500	237.6	XCSE	20171122 13:53:10.683698
152	235	XCSE	20171122 9:02:04.496000	300	236.9	XCSE	20171122 10:53:05.613000	646	237.6	XCSE	20171122 13:54:32.324704
278	235	XCSE	20171122 9:03:00.054000	707	236.9	XCSE	20171122 10:53:05.613000	3409	237.6	XCSE	20171122 13:54:32.324734
266	235	XCSE	20171122 9:03:00.054000	480	236.9	XCSE	20171122 10:56:54.737000	400	237.6	XCSE	20171122 13:58:09.190185
54	235	XCSE	20171122 9:03:00.054000	258	236.8	XCSE	20171122 10:58:19.018000	274	237.6	XCSE	20171122 13:58:09.190185
54	235	XCSE	20171122 9:03:00.054000	760	236.8	XCSE	20171122 10:59:04.035190	503	237.6	XCSE	20171122 13:58:09.190185
47	235	XCSE	20171122 9:03:00.075000	385	236.8	XCSE	20171122 10:59:04.035190	408	237.6	XCSE	20171122 13:58:09.190185
249	234.9	XCSE	20171122 9:04:04.756000	293	236.8	XCSE	20171122 10:59:04.035190	500	237.6	XCSE	20171122 13:58:09.190185
48	234.9	XCSE	20171122 9:04:04.756000	30	236.8	XCSE	20171122 10:59:04.035190	163	237.6	XCSE	20171122 13:58:09.190185
50	234.9	XCSE	20171122 9:04:04.756000	339	236.8	XCSE	20171122 10:59:04.035190	2752	237.6	XCSE	20171122 13:58:09.190282
485	235.5	XCSE	20171122 9:10:42.567000	500	236.9	XCSE	20171122 11:02:04.397260	394	237.6	XCSE	20171122 14:00:23.257055
285	235.5	XCSE	20171122 9:10:42.567000	300	236.8	XCSE	20171122 11:08:31.921418	300	237.6	XCSE	20171122 14:00:23.257055
655	235.5	XCSE	20171122 9:10:42.567000	200	236.8	XCSE	20171122 11:08:31.921418	500	237.6	XCSE	20171122 14:00:23.257055
655	235.5	XCSE	20171122 9:10:42.567000	126	236.8	XCSE	20171122 11:08:41.370641	100	237.6	XCSE	20171122 14:00:23.257055
655	235.5	XCSE	20171122 9:10:42.567000	106	236.8	XCSE	20171122 11:08:41.370641	382	237.6	XCSE	20171122 14:00:23.257055
389	235.5	XCSE	20171122 9:10:42.588000	500	236.8	XCSE	20171122 11:08:41.370641	500	237.6	XCSE	20171122 14:00:23.257055
162	235.9	XCSE	20171122 9:12:10.902000	310	236.8	XCSE	20171122 11:08:41.370641	320	237.6	XCSE	20171122 14:00:23.257055
204	235.9	XCSE	20171122 9:12:10.920000	9	236.8	XCSE	20171122 11:08:41.370641	330	237.6	XCSE	20171122 14:00:23.257055
73	235.9	XCSE	20171122 9:12:10.920000	549	236.8	XCSE	20171122 11:08:41.370641	407	237.6	XCSE	20171122 14:00:23.257185
227	235.9	XCSE	20171122 9:12:10.920000	105	236.8	XCSE	20171122 11:08:43.469894	1767	237.6	XCSE	20171122 14:00:23.257215
294	235.7	XCSE	20171122 9:12:46.308000	490	236.8	XCSE	20171122 11:08:43.490922	575	237.5	XCSE	20171122 14:04:15.339000
767	236.1	XCSE	20171122 9:15:22.009000	2116	236.8	XCSE	20171122 11:08:43.490927	682	237.5	XCSE	20171122 14:04:15.339000
123	236.1	XCSE	20171122 9:17:50.586000	189	236.8	XCSE	20171122 11:08:43.490945	994	237.5	XCSE	20171122 14:04:15.339000
430	236.1	XCSE	20171122 9:17:50.586000	406	236.8	XCSE	20171122 11:10:22.086000	323	237.5	XCSE	20171122 14:04:15.339000
362	236.1	XCSE	20171122 9:19:14.680000	68	236.8	XCSE	20171122 11:12:51.459000	44	237.5	XCSE	20171122 14:04:15.340000
24	236.1	XCSE	20171122 9:19:14.680000	312	236.8	XCSE	20171122 11:15:07.071000	500	237.5	XCSE	20171122 14:04:15.340000
381	236	XCSE	20171122 9:20:02.018000	602	236.8	XCSE	20171122 11:16:14.586000	31	237.5	XCSE	20171122 14:04:15.340000
386	236	XCSE	20171122 9:21:12.737000	370	236.8	XCSE	20171122 11:16:14.586000	162	237.5	XCSE	20171122 14:09:02.456000
123	236.4	XCSE	20171122 9:30:23.263000	204	236.8	XCSE	20171122 11:16:14.586000	817	237.5	XCSE	20171122 14:09:02.456000
408	236.4	XCSE	20171122 9:30:23.263000	403	236.8	XCSE	20171122 11:26:43.555000	500	237.5	XCSE	20171122 14:09:02.456000
300	236.4	XCSE	20171122 9:30:23.264000	1479	236.8	XCSE	20171122 11:28:43.467000	76	237.5	XCSE	20171122 14:09:02.456000
300	236.4	XCSE	20171122 9:30:23.264000	714	236.8	XCSE	20171122 11:28:43.467000	640	237.5	XCSE	20171122 14:09:02.456000
531	236.4	XCSE	20171122 9:30:23.264000	1075	236.9	XCSE	20171122 11:34:46.445000	291	237.5	XCSE	20171122 14:11:19.162000
460	236.4	XCSE	20171122 9:30:23.265000	409	236.9	XCSE	20171122 11:34:46.445000	73	237.5	XCSE	20171122 14:11:19.162000
970	236.4	XCSE	20171122 9:31:49.039000	363	236.9	XCSE	20171122 11:35:07.291000	297	237.5	XCSE	20171122 14:11:38.588000
283	236.2	XCSE	20171122 9:32:25.202000	4	236.9	XCSE	20171122 11:35:07.291000	664	237.5	XCSE	20171122 14:12:39.500000
30	236.1	XCSE	20171122 9:35:24.829000	802	237	XCSE	20171122 11:42:28.671000	267	237.4	XCSE	20171122 14:15:20.059000
265	236.1	XCSE	20171122 9:36:22.127000	677	237	XCSE	20171122 11:42:28.671000	101	237.3	XCSE	20171122 14:18:09.294000
349	236	XCSE	20171122 9:38:03.018000	7	237	XCSE	20171122 11:42:28.671000	390	237.3	XCSE	20171122 14:18:09.294000
197	236	XCSE	20171122 9:38:03.018000	102	236.9	XCSE	20171122 11:48:11.559000	718	237.3	XCSE	20171122 14:18:09.294000
62	236	XCSE	20171122 9:38:03.018000	102	236.9	XCSE	20171122 11:50:13.592000	390	237.3	XCSE	20171122 14:18:09.294000
238	236	XCSE	20171122 9:38:03.018000	19	236.9	XCSE	20171122 11:51:12.675000	300	237.3	XCSE	20171122 14:18:09.294000
111	236	XCSE	20171122 9:38:03.022000	123	236.9	XCSE	20171122 11:53:29.609000	1209	237.3	XCSE	20171122 14:18:09.294000
506	236	XCSE	20171122 9:38:50.156000	38	236.9	XCSE	20171122 11:57:20.548000	314	237.3	XCSE	20171122 14:18:09.294000
13	236	XCSE	20171122 9:38:50.184000	779	236.9	XCSE	20171122 11:57:20.548000	425	237.3	XCSE	20171122 14:18:09.294000
64	236	XCSE	20171122 9:40:16.738000	891	236.9	XCSE	20171122 11:57:20.550000	355	237.2	XCSE	20171122 14:19:38.113000
1016	236.1	XCSE	20171122 9:42:34.743000	332	236.9	XCSE	20171122 11:57:20.550000	35	237.2	XCSE	20171122 14:19:39.046000
267	236	XCSE	20171122 9:44:51.673000	109	236.9	XCSE	20171122 11:57:20.550000	55	237.2	XCSE	20171122 14:19:43.849000
52	236	XCSE	20171122 9:46:40.145000	300	236.9	XCSE	20171122 11:57:20.551000	326	237.2	XCSE	20171122 14:19:43.849000
387	236	XCSE	20171122 9:46:40.146000	100	236.9	XCSE	20171122 11:57:20.557000	269	237.2	XCSE	20171122 14:21:01.791000
105	236	XCSE	20171122 9:47:35.120000	1109	237.1	XCSE	20171122 12:00:03.079000	150	237.2	XCSE	20171122 14:21:01.818000
22	236	XCSE	20171122 9:47:37.740000	113	237	XCSE	20171122 12:00:19.320000	263	237.1	XCSE	20171122 14:22:05.220000
87	236	XCSE	20171122 9:47:37.930000	129	237	XCSE	20171122 12:04:19.391000	12	237.1	XCSE	20171122 14:22:05.220000
53	236	XCSE	20171122 9:47:38.002000	1060	237.1	XCSE	20171122 12:05:41.357000	12	237.1	XCSE	20171122 14:22:05.220000
56	236	XCSE	20171122 9:47:38.002000	289	237	XCSE	20171122 12:09:45.289000	131	237.1	XCSE	20171122 14:22:05.220000
268	236	XCSE	20171122 9:48:27.811000	125	237	XCSE	20171122 12:11:31.252000	164	237	XCSE	20171122 14:22:38.136000
271	235.6	XCSE	20171122 9:51:01.582000	423	237	XCSE	20171122 12:13:45.155000	115	237	XCSE	20171122 14:22:38.136000
430	235.7	XCSE	20171122 9:52:09.291000	991	237.1	XCSE	20171122 12:15:04.146000	696	237.1	XCSE	20171122 14:25:21.131000
177	235.7	XCSE	20171122 9:53:05.576000	902	237.1	XCSE	20171122 12:20:27.197000	280	237	XCSE	20171122 14:29:56.175000
308	235.7	XCSE	20171122 9:53:58.045000	141	237	XCSE	20171122 12:24:44.550000	149	237	XCSE	20171122 14:32:53.690000
270	235.7	XCSE	20171122 9:55:02.604000	362	237	XCSE	20171122 12:24:44.550000	127	237	XCSE	20171122 14:32:53.690000
73	235.7	XCSE	20171122 9:57:04.489908	798	236.9	XCSE	20171122 12:37:25.180000	840	237	XCSE	20171122 14:32:53.690000
500	235.7	XCSE	20171122 9:57:04.489908	94	236.9	XCSE	20171122 12:37:25.180000	268	236.9	XCSE	20171122 14:36:52.660000
47	235.7	XCSE	20171122 9:57:04.489908	194	237	XCSE	20171122 12:54:15.252000	607	236.9	XCSE	20171122 14:36:52.660000
666	235.8	XCSE	20171122 9:59:20.333000	529	237	XCSE	20171122 12:54:15.252000	1404	236.9	XCSE	20171122 14:36:52.660000
666	235.9	XCSE	20171122 10:01:24.506000	3	237	XCSE	20171122 12:54:15.252000	607	236.9	XCSE	20171122 14:36:52.660000
1227	236.5	XCSE	20171122 10:07:04.429000	500	237	XCSE	20171122 12:54:15.252000	887	236.9	XCSE	20171122 14:36:52.660000
108	236.5</										

## Transactions 22 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
378	236.8	XCSE	20171122 15:02:05.665000	306	235.7	XCSE	20171122 16:35:25.208000
443	237	XCSE	20171122 15:04:00.675000	247	235.7	XCSE	20171122 16:35:25.208000
257	237	XCSE	20171122 15:04:00.675000	231	235.7	XCSE	20171122 16:35:25.208000
264	237	XCSE	20171122 15:11:25.734000	40	235.7	XCSE	20171122 16:37:16.473000
100	237	XCSE	20171122 15:11:25.734000	58	235.7	XCSE	20171122 16:37:16.473000
365	237	XCSE	20171122 15:11:25.734000	188	235.7	XCSE	20171122 16:37:16.473000
56	237	XCSE	20171122 15:11:25.734000	1075	235.6	XCSE	20171122 16:37:41.253000
357	237	XCSE	20171122 15:13:21.856000	1119	235.9	XCSE	20171122 16:40:10.904000
898	237	XCSE	20171122 15:13:21.856000	237	235.8	XCSE	20171122 16:41:04.885000
1173	237	XCSE	20171122 15:13:21.856000	150	235.8	XCSE	20171122 16:41:49.425000
300	237	XCSE	20171122 15:13:21.856000	146	235.9	XCSE	20171122 16:42:31.632000
906	237	XCSE	20171122 15:13:21.856000	131	235.9	XCSE	20171122 16:42:31.632000
572	237.1	XCSE	20171122 15:15:13.082000	369	235.9	XCSE	20171122 16:42:31.632000
823	237.3	XCSE	20171122 15:18:30.416000	124	235.9	XCSE	20171122 16:42:31.632000
263	237.3	XCSE	20171122 15:23:57.463000	500	235.9	XCSE	20171122 16:43:40.790000
548	237.1	XCSE	20171122 15:25:44.560000	42	235.9	XCSE	20171122 16:43:40.790000
830	237.1	XCSE	20171122 15:25:44.560000	147	235.9	XCSE	20171122 16:43:40.790000
381	237.1	XCSE	20171122 15:27:37.864000	82	235.9	XCSE	20171122 16:43:40.790000
273	237.1	XCSE	20171122 15:29:09.031000	12	235.9	XCSE	20171122 16:43:40.790000
424	236.9	XCSE	20171122 15:35:24.291000	1777	235.9	XCSE	20171122 16:47:00.951748
246	236.9	XCSE	20171122 15:35:24.291000	355	235.9	XCSE	20171122 16:47:00.976957
54	236.9	XCSE	20171122 15:35:24.291000	1876	235.9	XCSE	20171122 16:47:00.976972
113	236.9	XCSE	20171122 15:36:33.477000				
475	236.9	XCSE	20171122 15:36:33.477000				
1264	236.9	XCSE	20171122 15:36:33.477000	<u>172,000</u>	<u>236.73</u>		
101	236.9	XCSE	20171122 15:36:33.477000				
1377	237	XCSE	20171122 15:43:29.151000				
50	237	XCSE	20171122 15:43:29.151000				
50	237	XCSE	20171122 15:43:29.151000				
300	237	XCSE	20171122 15:43:29.151000				
50	237	XCSE	20171122 15:43:29.151000				
50	237	XCSE	20171122 15:43:29.151000				
400	237	XCSE	20171122 15:43:29.151000				
300	237	XCSE	20171122 15:43:29.151000				
871	237	XCSE	20171122 15:43:29.154000				
556	237	XCSE	20171122 15:43:29.154000				
305	237	XCSE	20171122 15:43:29.154000				
112	237	XCSE	20171122 15:43:29.154000				
352	236.9	XCSE	20171122 15:48:45.276000				
5	236.9	XCSE	20171122 15:48:45.276000				
54	236.8	XCSE	20171122 15:50:12.806000				
259	236.8	XCSE	20171122 15:50:18.563000				
400	236.8	XCSE	20171122 15:50:18.563000				
242	236.8	XCSE	20171122 15:50:18.587000				
71	236.8	XCSE	20171122 15:50:18.592000				
212	236.8	XCSE	20171122 15:50:18.592000				
409	236.7	XCSE	20171122 15:54:17.817000				
304	236.5	XCSE	20171122 15:55:31.799000				
634	236.5	XCSE	20171122 15:55:31.799000				
469	236.5	XCSE	20171122 15:57:32.641000				
24	236.6	XCSE	20171122 15:59:18.749000				
639	236.7	XCSE	20171122 16:00:32.841000				
136	236.7	XCSE	20171122 16:00:32.841000				
281	236.7	XCSE	20171122 16:00:32.841000				
1540	236.7	XCSE	20171122 16:00:32.841000				
203	236.7	XCSE	20171122 16:03:05.255000				
533	236.7	XCSE	20171122 16:03:05.255000				
341	236.6	XCSE	20171122 16:03:56.274000				
25	236.6	XCSE	20171122 16:03:56.274000				
69	236.5	XCSE	20171122 16:04:42.353000				
341	236.5	XCSE	20171122 16:04:42.353000				
341	236.5	XCSE	20171122 16:04:42.353000				
89	236.5	XCSE	20171122 16:04:42.353000				
655	236.5	XCSE	20171122 16:04:42.353000				
845	236.5	XCSE	20171122 16:08:52.994000				
489	236.4	XCSE	20171122 16:10:44.859000				
1	236.4	XCSE	20171122 16:10:44.859000				
123	236.4	XCSE	20171122 16:10:44.859000				
300	236.4	XCSE	20171122 16:10:44.859000				
123	236.4	XCSE	20171122 16:10:44.859000				
156	236.4	XCSE	20171122 16:10:44.880000				
114	236.4	XCSE	20171122 16:10:44.880000				
220	236.4	XCSE	20171122 16:10:44.883000				
22	236.4	XCSE	20171122 16:10:44.883000				
1636	236.4	XCSE	20171122 16:14:21.765000				
217	236.4	XCSE	20171122 16:14:21.765000				
213	236.2	XCSE	20171122 16:16:54.980000				
410	236.2	XCSE	20171122 16:16:54.980000				
701	236.1	XCSE	20171122 16:17:25.048000				
352	236.1	XCSE	20171122 16:17:25.048000				
373	236.4	XCSE	20171122 16:18:15.942000				
285	236.2	XCSE	20171122 16:18:51.340000				
319	236.2	XCSE	20171122 16:20:15.097000				
147	236.2	XCSE	20171122 16:20:15.097000				
473	236.2	XCSE	20171122 16:21:51.699000				
279	236.1	XCSE	20171122 16:25:20.565000				
495	236	XCSE	20171122 16:25:42.618000				
500	236	XCSE	20171122 16:25:42.618000				
64	236	XCSE	20171122 16:25:42.618000				
64	236	XCSE	20171122 16:25:42.618000				
64	236	XCSE	20171122 16:25:42.618000				
317	236	XCSE	20171122 16:26:48.371000				
334	235.9	XCSE	20171122 16:29:23.840000				
163	235.9	XCSE	20171122 16:29:23.840000				
69	235.8	XCSE	20171122 16:30:02.748000				
1204	235.8	XCSE	20171122 16:30:02.748000				
1152	235.8	XCSE	20171122 16:35:05.803000				
1128	235.7	XCSE	20171122 16:35:25.208000				
300	235.7	XCSE	20171122 16:35:25.208000				



## Transactions 23 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
313	235	XCSE	20171123 9:00:23.810000	63	233	XCSE	20171123 10:14:44.873000	415	232.9	XCSE	20171123 12:23:01.651000
313	235	XCSE	20171123 9:00:23.831000	290	233	XCSE	20171123 10:17:33.676000	185	233	XCSE	20171123 12:23:01.651000
313	235	XCSE	20171123 9:00:23.832000	401	232.9	XCSE	20171123 10:17:52.586000	226	232.9	XCSE	20171123 12:23:01.651000
313	235	XCSE	20171123 9:00:23.832000	99	232.8	XCSE	20171123 10:19:17.123000	399	232.8	XCSE	20171123 12:29:01.682000
305	235	XCSE	20171123 9:00:23.835000	184	232.8	XCSE	20171123 10:19:17.123000	805	232.7	XCSE	20171123 12:30:33.032000
300	234.6	XCSE	20171123 9:01:13.461000	100	232.7	XCSE	20171123 10:21:07.679000	242	232.7	XCSE	20171123 12:32:06.234000
112	234.5	XCSE	20171123 9:01:23.789000	172	232.7	XCSE	20171123 10:21:07.679000	909	232.6	XCSE	20171123 12:34:10.227000
193	234.5	XCSE	20171123 9:01:23.789000	188	232.7	XCSE	20171123 10:21:09.820000	455	232.7	XCSE	20171123 12:38:58.779000
74	234.5	XCSE	20171123 9:01:23.789000	34	232.7	XCSE	20171123 10:22:07.056000	53	232.7	XCSE	20171123 12:39:59.863000
95	234.1	XCSE	20171123 9:01:57.313000	188	232.7	XCSE	20171123 10:22:07.078000	240	232.7	XCSE	20171123 12:41:32.344000
168	234.1	XCSE	20171123 9:02:08.240000	267	232.7	XCSE	20171123 10:23:22.056000	1	232.7	XCSE	20171123 12:41:32.344000
379	234.2	XCSE	20171123 9:02:53.639000	262	232.6	XCSE	20171123 10:24:56.612000	234	232.7	XCSE	20171123 12:41:36.070000
257	234.1	XCSE	20171123 9:03:12.134000	257	232.5	XCSE	20171123 10:25:53.245000	351	232.7	XCSE	20171123 12:41:38.698000
200	233.5	XCSE	20171123 9:03:58.883000	1154	232.5	XCSE	20171123 10:32:30.814000	246	232.6	XCSE	20171123 12:43:37.476000
66	233.5	XCSE	20171123 9:03:58.883000	320	232.5	XCSE	20171123 10:32:30.814000	272	232.6	XCSE	20171123 12:45:51.456000
614	233.6	XCSE	20171123 9:03:50.246000	377	232.5	XCSE	20171123 10:32:30.814000	49	232.7	XCSE	20171123 12:49:02.623000
200	233.5	XCSE	20171123 9:07:09.628000	330	232.5	XCSE	20171123 10:32:30.814000	308	232.7	XCSE	20171123 12:49:02.623000
111	233.5	XCSE	20171123 9:08:09.972000	297	232.5	XCSE	20171123 10:34:21.344000	148	232.7	XCSE	20171123 12:51:24.892000
1	233.5	XCSE	20171123 9:08:09.972000	72	232.5	XCSE	20171123 10:34:21.344000	120	232.7	XCSE	20171123 12:51:24.892000
16	233.7	XCSE	20171123 9:09:33.083384	297	232.5	XCSE	20171123 10:34:21.412000	78	232.7	XCSE	20171123 12:53:13.951000
379	233.7	XCSE	20171123 9:09:33.083384	3	232.4	XCSE	20171123 10:34:49.585000	82	232.7	XCSE	20171123 12:53:36.315000
300	233.7	XCSE	20171123 9:09:33.083384	21	232.4	XCSE	20171123 10:34:49.592000	7	232.8	XCSE	20171123 12:58:01.677000
1393	233.7	XCSE	20171123 9:09:47.538000	332	232.4	XCSE	20171123 10:34:49.605000	233	232.8	XCSE	20171123 12:58:01.677000
769	233.7	XCSE	20171123 9:09:47.538000	306	232.3	XCSE	20171123 10:36:02.709000	104	232.8	XCSE	20171123 12:58:01.677000
2305	233.7	XCSE	20171123 9:09:47.538785	294	232.3	XCSE	20171123 10:37:23.057000	39	232.8	XCSE	20171123 12:58:34.195000
386	233.4	XCSE	20171123 9:11:16.746000	294	232.4	XCSE	20171123 10:39:16.657000	28	232.8	XCSE	20171123 12:58:35.698000
536	233.2	XCSE	20171123 9:12:00.428000	245	232.4	XCSE	20171123 10:41:02.350000	263	232.8	XCSE	20171123 12:58:35.698000
55	232.9	XCSE	20171123 9:12:09.518000	15	232.4	XCSE	20171123 10:41:36.123000	58	232.8	XCSE	20171123 12:58:35.698000
310	232.9	XCSE	20171123 9:12:09.518000	118	232.4	XCSE	20171123 10:41:36.170000	269	232.8	XCSE	20171123 13:00:22.651000
316	232.5	XCSE	20171123 9:13:34.711000	852	232.7	XCSE	20171123 10:46:45.619000	978	232.9	XCSE	20171123 13:03:48.575000
169	232.5	XCSE	20171123 9:13:51.734000	312	232.7	XCSE	20171123 10:46:45.619000	273	232.8	XCSE	20171123 13:03:57.945000
80	232.5	XCSE	20171123 9:13:52.027000	182	232.7	XCSE	20171123 10:47:36.512000	55	232.8	XCSE	20171123 13:06:52.666000
328	232.6	XCSE	20171123 9:15:08.027000	97	232.6	XCSE	20171123 10:48:49.141000	141	232.8	XCSE	20171123 13:07:31.946000
324	232.6	XCSE	20171123 9:16:06.524000	100	232.6	XCSE	20171123 10:48:49.141000	20	232.8	XCSE	20171123 13:07:58.175000
1	232.6	XCSE	20171123 9:16:06.524000	9	232.6	XCSE	20171123 10:48:49.141000	57	232.8	XCSE	20171123 13:08:14.076000
15	233.2	XCSE	20171123 9:19:30.101000	9	232.6	XCSE	20171123 10:48:49.145000	186	232.8	XCSE	20171123 13:08:22.703000
980	233.2	XCSE	20171123 9:19:47.662000	68	232.6	XCSE	20171123 10:48:49.145000	23	232.8	XCSE	20171123 13:08:22.703000
225	233.1	XCSE	20171123 9:21:20.225000	340	232.6	XCSE	20171123 10:48:49.145000	269	232.7	XCSE	20171123 13:10:55.065000
302	233.1	XCSE	20171123 9:21:42.238412	163	232.7	XCSE	20171123 10:52:07.144000	60	232.7	XCSE	20171123 13:13:27.878000
212	233.1	XCSE	20171123 9:21:42.238412	1092	232.7	XCSE	20171123 10:52:07.165000	55	232.7	XCSE	20171123 13:13:43.190000
204	233.1	XCSE	20171123 9:21:42.238412	46	232.7	XCSE	20171123 10:53:13.254000	18	232.7	XCSE	20171123 13:13:43.212000
300	233.1	XCSE	20171123 9:21:42.238412	228	232.7	XCSE	20171123 10:53:39.641000	133	232.7	XCSE	20171123 13:14:43.248000
333	233.1	XCSE	20171123 9:21:42.238412	317	232.6	XCSE	20171123 10:56:23.796000	7	232.7	XCSE	20171123 13:14:45.473000
320	233.1	XCSE	20171123 9:21:42.238412	57	232.6	XCSE	20171123 10:56:23.850000	301	232.7	XCSE	20171123 13:16:22.232000
110	233.1	XCSE	20171123 9:21:42.444775	199	232.6	XCSE	20171123 10:57:15.518000	330	232.8	XCSE	20171123 13:18:58.247000
819	233.1	XCSE	20171123 9:21:48.115594	171	232.6	XCSE	20171123 10:57:15.883000	269	232.8	XCSE	20171123 13:20:00.590000
482	233	XCSE	20171123 9:21:50.116000	281	232.6	XCSE	20171123 11:00:53.098000	779	232.7	XCSE	20171123 13:26:56.729000
329	232.9	XCSE	20171123 9:23:17.852000	433	232.5	XCSE	20171123 11:02:16.176000	267	232.6	XCSE	20171123 13:33:25.742000
321	232.7	XCSE	20171123 9:24:37.824000	94	232.5	XCSE	20171123 11:02:16.176000	571	232.7	XCSE	20171123 13:41:36.245000
436	232.6	XCSE	20171123 9:26:43.261000	291	232.2	XCSE	20171123 11:06:34.697000	506	232.7	XCSE	20171123 13:41:36.245000
439	232.7	XCSE	20171123 9:27:33.561000	238	232.2	XCSE	20171123 11:11:54.523000	492	232.7	XCSE	20171123 13:47:09.256000
300	232.7	XCSE	20171123 9:27:33.561000	1300	232.2	XCSE	20171123 11:11:54.524000	399	232.7	XCSE	20171123 13:47:09.256000
44	232.7	XCSE	20171123 9:27:33.738000	1120	232.2	XCSE	20171123 11:11:54.524000	535	232.7	XCSE	20171123 13:47:09.256000
16	232.7	XCSE	20171123 9:28:19.792000	130	232.2	XCSE	20171123 11:11:56.501000	355	232.7	XCSE	20171123 13:49:49.186000
275	232.7	XCSE	20171123 9:28:20.065000	5	232.2	XCSE	20171123 11:11:59.422000	597	232.7	XCSE	20171123 13:50:03.179000
50	232.7	XCSE	20171123 9:29:26.863000	1003	232.5	XCSE	20171123 11:20:59.995000	355	232.7	XCSE	20171123 13:50:03.179000
246	232.7	XCSE	20171123 9:29:35.070000	882	232.5	XCSE	20171123 11:20:59.995000	36	232.8	XCSE	20171123 13:59:01.995000
119	232.6	XCSE	20171123 9:30:05.432000	273	232.3	XCSE	20171123 11:22:30.262000	5	232.8	XCSE	20171123 14:00:15.684000
140	232.6	XCSE	20171123 9:30:22.920000	5000	232.3	XCSE	20171123 11:23:40.764985	335	232.8	XCSE	20171123 14:00:16.242000
66	232.7	XCSE	20171123 9:31:07.556000	1202	232.2	XCSE	20171123 11:28:05.144000	411	233.1	XCSE	20171123 14:03:58.333000
207	232.7	XCSE	20171123 9:31:07.556000	1112	232.2	XCSE	20171123 11:28:05.166000	750	233.1	XCSE	20171123 14:03:58.354000
51	232.7	XCSE	20171123 9:31:07.556000	391	232.2	XCSE	20171123 11:29:31.711000	529	233.1	XCSE	20171123 14:03:58.354000
309	232.9	XCSE	20171123 9:32:33.973000	606	232.2	XCSE	20171123 11:33:32.450000	322	233.1	XCSE	20171123 14:03:58.354000
180	232.9	XCSE	20171123 9:33:23.222000	43	232.2	XCSE	20171123 11:33:32.450000	27	233.1	XCSE	20171123 14:03:58.354000
402	232.7	XCSE	20171123 9:34:14.995000	195	232.2	XCSE	20171123 11:33:32.450000	493	233.1	XCSE	20171123 14:03:58.355000
494	232.8	XCSE	20171123 9:35:29.207000	202	232.2	XCSE	20171123 11:33:32.451000	810	233.1	XCSE	20171123 14:03:58.355000
228	232.7	XCSE	20171123 9:36:29.561000	106	232.2	XCSE	20171123 11:37:49.744000	335	233.1	XCSE	20171123 14:05:52.872000
93	232.7	XCSE	20171123 9:36:29.561000	22	232.2	XCSE	20171123 11:40:32.515000	66	233.1	XCSE	20171123 14:05:52.872000
246	232.5	XCSE	20171123 9:37:14.605000	25	232.2	XCSE	20171123 11:40:32.515000	4	233	XCSE	20171123 14:06:37.169000
300	232.7	XCSE	20171123 9:49:29.571000	24	232.2	XCSE	20171123 11:40:44.278000	406	233	XCSE	20171123 14:06:37.169000
737	232.7	XCSE	20171123 9:49:29.571000	67	232.6	XCSE	20171123 11:50:41.766000	130	233	XCSE	20171123 14:09:56.686000
796	233.3	XCSE	20171123 9:55:13.949000	532	232.6	XCSE	20171123 11:50:41.766000	30	233	XCSE	20171123 14:10:02.321000
211	233.3	XCSE	20171123 9:55:13.949000	300	232.6	XCSE	20171123 11:50:41.766000	126	233	XCSE	20171123 14:10:04.055000
300	233.3	XCSE	20171123 9:55:13.949000	267	232.6	XCSE	20171123 11:50:41.788000	261	233	XCSE	20171



## Transactions 24 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
309	233.5	XCSE	20171124 9:00:03.652000	315	234.5	XCSE	20171124 10:31:29.935000	129	234.1	XCSE	20171124 11:32:30.813000
309	233.5	XCSE	20171124 9:00:04.478000	171	234.6	XCSE	20171124 10:33:16.384000	1625	234.1	XCSE	20171124 11:34:11.706000
219	233.5	XCSE	20171124 9:00:04.478000	300	234.6	XCSE	20171124 10:33:16.384000	234	234	XCSE	20171124 11:35:31.569000
90	233.5	XCSE	20171124 9:00:04.503000	125	234.6	XCSE	20171124 10:33:16.384000	74	234	XCSE	20171124 11:35:31.569000
309	233.5	XCSE	20171124 9:00:10.978000	112	234.6	XCSE	20171124 10:33:16.384000	268	233.9	XCSE	20171124 11:37:12.096000
237	233.5	XCSE	20171124 9:00:10.999000	125	234.6	XCSE	20171124 10:33:16.384000	96	234	XCSE	20171124 11:40:59.075000
296	233.4	XCSE	20171124 9:01:02.002000	5	234.6	XCSE	20171124 10:33:16.384000	348	234	XCSE	20171124 11:40:59.076000
147	233.4	XCSE	20171124 9:01:02.002000	261	234.5	XCSE	20171124 10:36:56.249000	96	234	XCSE	20171124 11:40:59.076000
179	233.8	XCSE	20171124 9:02:14.786000	655	234.5	XCSE	20171124 10:38:13.556000	81	233.9	XCSE	20171124 11:43:15.184000
428	233.8	XCSE	20171124 9:02:14.786000	57	234.5	XCSE	20171124 10:42:13.907000	189	233.9	XCSE	20171124 11:43:15.184000
15	233.5	XCSE	20171124 9:04:23.910000	1188	234.5	XCSE	20171124 10:42:13.907000	24	233.9	XCSE	20171124 11:44:51.388000
250	234.1	XCSE	20171124 9:05:21.081000	171	234.5	XCSE	20171124 10:42:13.907000	245	233.9	XCSE	20171124 11:45:36.048000
50	234.1	XCSE	20171124 9:05:21.081000	854	234.5	XCSE	20171124 10:42:13.907000	248	234	XCSE	20171124 11:49:49.093000
300	234.1	XCSE	20171124 9:05:22.307000	42	234.4	XCSE	20171124 10:43:38.289000	232	234	XCSE	20171124 11:49:49.120000
56	234.1	XCSE	20171124 9:05:27.306000	244	234.4	XCSE	20171124 10:43:38.289000	54	234	XCSE	20171124 11:51:14.620000
244	234.1	XCSE	20171124 9:06:08.266000	235	234.3	XCSE	20171124 10:45:11.263000	298	234	XCSE	20171124 11:51:35.207000
251	234.1	XCSE	20171124 9:06:08.266000	516	234.5	XCSE	20171124 10:49:11.562000	441	234	XCSE	20171124 11:56:34.991000
49	234.1	XCSE	20171124 9:06:08.266000	397	234.5	XCSE	20171124 10:49:11.562000	1704	234	XCSE	20171124 11:56:34.991000
251	234.1	XCSE	20171124 9:06:08.266000	298	234.4	XCSE	20171124 10:50:50.272000	383	234	XCSE	20171124 11:58:21.267000
22	234.1	XCSE	20171124 9:06:14.020000	110	234.4	XCSE	20171124 10:50:50.272000	1	234	XCSE	20171124 11:59:21.267000
83	234.1	XCSE	20171124 9:06:14.045000	1445	234.4	XCSE	20171124 10:50:50.272000	231	234	XCSE	20171124 11:59:21.267000
201	234.1	XCSE	20171124 9:06:14.045000	35	234.4	XCSE	20171124 10:50:50.272000	789	234.2	XCSE	20171124 12:10:00.501000
186	234.1	XCSE	20171124 9:06:14.045000	200	234.3	XCSE	20171124 10:55:11.913000	387	234.2	XCSE	20171124 12:10:00.505000
464	234.5	XCSE	20171124 9:08:27.356000	50	234.3	XCSE	20171124 10:55:11.913000	383	234.2	XCSE	20171124 12:10:00.505000
161	234.5	XCSE	20171124 9:08:27.356000	500	234.3	XCSE	20171124 10:55:11.913283	342	234.2	XCSE	20171124 12:15:48.999000
825	234.7	XCSE	20171124 9:11:20.967000	220	234.3	XCSE	20171124 10:55:11.913328	237	234.2	XCSE	20171124 12:15:48.999000
885	234.7	XCSE	20171124 9:11:20.967000	220	234.3	XCSE	20171124 10:55:11.913330	247	234.2	XCSE	20171124 12:17:44.411000
654	234.7	XCSE	20171124 9:13:04.609000	170	234.3	XCSE	20171124 10:55:11.913335	1056	234.2	XCSE	20171124 12:27:19.261000
583	234.7	XCSE	20171124 9:15:21.257000	220	234.3	XCSE	20171124 10:55:11.913338	786	234.2	XCSE	20171124 12:33:35.693000
248	234.7	XCSE	20171124 9:15:21.257000	300	234.3	XCSE	20171124 10:55:11.913341	255	234.2	XCSE	20171124 12:33:35.693000
413	234.7	XCSE	20171124 9:15:21.257000	220	234.3	XCSE	20171124 10:55:11.913342	856	234.2	XCSE	20171124 12:33:35.693000
238	234.7	XCSE	20171124 9:15:21.257000	220	234.3	XCSE	20171124 10:55:11.913383	280	234.2	XCSE	20171124 12:36:03.972000
278	234.5	XCSE	20171124 9:15:30.128000	320	234.3	XCSE	20171124 10:55:11.913389	279	234.2	XCSE	20171124 12:38:23.870000
129	234.5	XCSE	20171124 9:15:30.176000	8	234.3	XCSE	20171124 10:55:11.913408	44	234.3	XCSE	20171124 12:43:31.814000
17	234.5	XCSE	20171124 9:15:30.181000	420	234.3	XCSE	20171124 10:55:11.914448	472	234.3	XCSE	20171124 12:43:34.950000
254	234.6	XCSE	20171124 9:16:47.328000	29	234.3	XCSE	20171124 10:55:11.934482	183	234.3	XCSE	20171124 12:43:34.950000
162	234.6	XCSE	20171124 9:16:47.351000	14	234.3	XCSE	20171124 10:55:11.934891	279	234.2	XCSE	20171124 12:45:46.349000
272	234.7	XCSE	20171124 9:18:05.505000	15	234.3	XCSE	20171124 10:55:11.934935	489	234.3	XCSE	20171124 12:49:05.094000
63	234.7	XCSE	20171124 9:18:05.505000	10	234.3	XCSE	20171124 10:55:13.094984	267	234.2	XCSE	20171124 12:53:02.974000
336	234.7	XCSE	20171124 9:20:02.446000	4	234.3	XCSE	20171124 10:55:13.095074	276	234.1	XCSE	20171124 12:54:39.256000
571	234.7	XCSE	20171124 9:21:26.011000	500	234.3	XCSE	20171124 10:55:13.095130	22	234.1	XCSE	20171124 12:54:39.256000
18	234.7	XCSE	20171124 9:21:26.011000	260	234.3	XCSE	20171124 10:55:15.584781	270	234	XCSE	20171124 12:56:09.582000
416	234.6	XCSE	20171124 9:21:58.351000	284	234.3	XCSE	20171124 10:55:27.112000	267	234	XCSE	20171124 12:57:47.986000
254	234.5	XCSE	20171124 9:22:41.294000	240	234.3	XCSE	20171124 10:55:27.112816	533	234.1	XCSE	20171124 13:06:16.651000
935	234.7	XCSE	20171124 9:25:15.412000	396	234.3	XCSE	20171124 10:55:27.138387	172	234.1	XCSE	20171124 13:06:16.652000
208	235	XCSE	20171124 9:28:38.610000	5	234.3	XCSE	20171124 10:55:31.666797	400	234.1	XCSE	20171124 13:06:16.652000
765	235	XCSE	20171124 9:28:38.610000	284	234.3	XCSE	20171124 10:55:31.692000	10	234.1	XCSE	20171124 13:06:16.681000
311	234.9	XCSE	20171124 9:29:20.637000	99	234.3	XCSE	20171124 10:55:31.692369	523	234.1	XCSE	20171124 13:06:16.681000
316	234.9	XCSE	20171124 9:30:20.219000	180	234.3	XCSE	20171124 10:57:29.133000	10	234.1	XCSE	20171124 13:06:16.681000
259	234.8	XCSE	20171124 9:31:37.434000	4	234.3	XCSE	20171124 10:57:29.166000	197	234.1	XCSE	20171124 13:08:09.361000
1555	235	XCSE	20171124 9:35:49.887000	5	234.3	XCSE	20171124 10:58:17.143000	78	234.1	XCSE	20171124 13:08:09.373000
253	234.9	XCSE	20171124 9:38:41.396000	7	234.3	XCSE	20171124 10:58:24.091000	551	234.2	XCSE	20171124 13:17:18.706000
738	234.8	XCSE	20171124 9:40:14.564000	9	234.3	XCSE	20171124 10:58:32.492000	241	234.2	XCSE	20171124 13:17:18.706000
204	234.8	XCSE	20171124 9:40:14.564000	253	234.3	XCSE	20171124 10:58:49.047000	395	234.2	XCSE	20171124 13:19:46.734000
225	234.8	XCSE	20171124 9:41:33.922000	2	234.3	XCSE	20171124 10:58:53.274000	93	234.2	XCSE	20171124 13:19:46.758000
287	234.8	XCSE	20171124 9:41:33.922000	3	234.3	XCSE	20171124 11:00:37.537000	4	234.2	XCSE	20171124 13:19:46.758000
145	234.7	XCSE	20171124 9:42:13.843000	14	234.3	XCSE	20171124 11:00:37.537000	553	234.6	XCSE	20171124 13:28:13.810000
216	234.7	XCSE	20171124 9:42:13.843000	224	234.3	XCSE	20171124 11:00:46.824000	167	234.6	XCSE	20171124 13:28:13.810000
259	234.6	XCSE	20171124 9:42:49.901000	17	234.3	XCSE	20171124 11:00:46.825000	578	234.6	XCSE	20171124 13:28:13.810000
54	234.7	XCSE	20171124 9:46:11.395000	3	234	XCSE	20171124 11:02:32.959000	282	234.6	XCSE	20171124 13:31:26.546000
531	234.7	XCSE	20171124 9:46:11.395000	237	234	XCSE	20171124 11:03:04.478000	263	234.5	XCSE	20171124 13:35:55.951000
253	234.5	XCSE	20171124 9:48:03.677000	375	234	XCSE	20171124 11:05:33.074000	142	234.4	XCSE	20171124 13:42:36.800000
327	234.5	XCSE	20171124 9:48:03.677000	139	234.1	XCSE	20171124 11:07:06.086000	453	234.4	XCSE	20171124 13:42:36.800000
752	234.5	XCSE	20171124 9:51:17.994000	247	234.1	XCSE	20171124 11:08:58.053000	1009	234.3	XCSE	20171124 13:44:24.415000
75	234.6	XCSE	20171124 9:54:28.012000	162	234.1	XCSE	20171124 11:08:58.248000	505	234.3	XCSE	20171124 13:44:38.949000
258	234.6	XCSE	20171124 9:54:28.012000	12	234.1	XCSE	20171124 11:10:17.417000	256	234.3	XCSE	20171124 13:44:38.949000
572	234.6	XCSE	20171124 9:54:28.012000	8	234.1	XCSE	20171124 11:10:26.129000	256	234.3	XCSE	20171124 13:44:38.949000
132	234.5	XCSE	20171124 9:59:19.707000	550	234.1	XCSE	20171124 11:10:26.129000	256	234.3	XCSE	20171124 13:44:38.949000
565	235.2	XCSE	20171124 10:02:51.734000	360	234.1	XCSE	20171124 11:13:37.793943	98	234.3	XCSE	20171124 13:44:38.978000
26	235.2	XCSE	20171124 10:02:51.734000	112	234.1	XCSE	20171124 11:13:37.793943	365	234.3	XCSE	20171124 13:48:22.455000
300	235.2	XCSE	20171124 10:02:51.734000	300	234.1	XCSE	20171124 11:13:37.793943	87	234.3	XCSE	20171124 13:51:15.144000
591	235.2	XCSE	20171124 10:02:51.734000	500	234.1	XCSE	20171124 11:13:37.793943	239	234.3	XCSE	20171124 13:51:15.144000
296	235.2	XCSE	20171124 10:02:51.734000	320	234.1	XCSE	20171124 11:13:37.793943	262	234.3	XCSE	20171124 13:55:10.712000
4	235.2	XCSE	20171124 10:02:51.734000	500	234.1	XCSE	20171124 11:13:37.793943	458	234.3	XCSE	20171124 13:55:

## Transactions 24 November 2017

Volume	Price	Venue	Time CET	Volume	Price	Venue	Time CET
21	235.2	XCSE	20171124 14:28:08.754649	320	235.4	XCSE	20171124 15:31:11.533000
500	235.2	XCSE	20171124 14:28:08.754649	1097	235.3	XCSE	20171124 15:33:16.139000
209	235.2	XCSE	20171124 14:28:08.777645	590	235.2	XCSE	20171124 15:33:35.238000
291	235.2	XCSE	20171124 14:28:08.778476	500	235.2	XCSE	20171124 15:33:35.240000
29	235.2	XCSE	20171124 14:28:10.798984	90	235.2	XCSE	20171124 15:33:35.266000
521	235.2	XCSE	20171124 14:28:10.831706	46	235.2	XCSE	20171124 15:33:35.288000
471	235.2	XCSE	20171124 14:28:10.831706	277	235.1	XCSE	20171124 15:35:18.839000
330	235.2	XCSE	20171124 14:28:10.833565	422	235	XCSE	20171124 15:35:36.663000
317	235	XCSE	20171124 14:33:54.721695	391	235	XCSE	20171124 15:35:36.684000
500	235	XCSE	20171124 14:33:54.721695	1231	235	XCSE	20171124 15:38:05.318000
500	235	XCSE	20171124 14:33:54.721695	142	235	XCSE	20171124 15:38:05.318000
218	235	XCSE	20171124 14:33:54.721695	1399	235	XCSE	20171124 15:41:23.461000
121	235	XCSE	20171124 14:33:54.721695	803	235	XCSE	20171124 15:41:23.461000
180	235	XCSE	20171124 14:33:54.721695	671	234.8	XCSE	20171124 15:45:28.918000
203	235	XCSE	20171124 14:33:54.721695	13	234.7	XCSE	20171124 15:50:21.364000
117	235	XCSE	20171124 14:33:54.721695	2308	234.7	XCSE	20171124 15:51:03.530000
816	235	XCSE	20171124 14:33:54.721695	889	234.5	XCSE	20171124 15:51:18.732000
305	235	XCSE	20171124 14:33:54.746258	10	234.5	XCSE	20171124 15:53:27.416000
426	235	XCSE	20171124 14:33:54.748446	879	234.5	XCSE	20171124 15:53:31.107000
1297	235	XCSE	20171124 14:33:59.399786	22	234.5	XCSE	20171124 15:53:31.108000
250	234.9	XCSE	20171124 14:35:31.046000	96	234.7	XCSE	20171124 15:54:37.713000
10	234.9	XCSE	20171124 14:35:31.071000	88	234.7	XCSE	20171124 15:54:37.713000
475	234.9	XCSE	20171124 14:35:33.753000	300	234.7	XCSE	20171124 15:54:37.713000
254	234.9	XCSE	20171124 14:35:33.753000	363	234.7	XCSE	20171124 15:54:37.713000
805	234.9	XCSE	20171124 14:40:08.285000	272	234.7	XCSE	20171124 15:54:37.713000
36	234.9	XCSE	20171124 14:40:08.285000	205	234.7	XCSE	20171124 15:57:13.123000
910	234.8	XCSE	20171124 14:40:14.648000	1612	234.7	XCSE	20171124 15:57:13.123000
10	234.8	XCSE	20171124 14:40:14.648000	264	234.7	XCSE	20171124 15:57:13.123000
307	234.8	XCSE	20171124 14:42:41.030000	706	234.6	XCSE	20171124 15:58:00.669000
757	235	XCSE	20171124 14:48:37.824000	461	234.6	XCSE	20171124 15:58:00.669000
907	235	XCSE	20171124 14:48:37.824000	458	234.6	XCSE	20171124 15:58:00.669000
345	235	XCSE	20171124 14:48:38.757000	490	234.5	XCSE	20171124 15:59:46.602000
412	235	XCSE	20171124 14:48:38.759000	94	234.5	XCSE	20171124 15:59:48.906000
646	235	XCSE	20171124 14:54:08.147000	58	234.5	XCSE	20171124 15:59:52.738000
273	235	XCSE	20171124 14:54:08.148000	473	234.7	XCSE	20171124 16:05:39.664000
534	235	XCSE	20171124 14:55:47.055000	529	234.7	XCSE	20171124 16:05:39.664000
136	235	XCSE	20171124 14:55:47.055000	144	234.6	XCSE	20171124 16:06:16.332000
132	235	XCSE	20171124 14:55:47.057000	1093	234.6	XCSE	20171124 16:06:16.332000
412	235.1	XCSE	20171124 15:00:19.502360	205	234.6	XCSE	20171124 16:06:16.332000
525	235.1	XCSE	20171124 15:00:19.502360	1099	234.5	XCSE	20171124 16:07:06.314000
18	235.1	XCSE	20171124 15:00:19.527133	1729	234.5	XCSE	20171124 16:07:06.314000
58	235.1	XCSE	20171124 15:00:19.527608	783	234.7	XCSE	20171124 16:11:06.639000
91	235.1	XCSE	20171124 15:00:19.527775	300	234.7	XCSE	20171124 16:11:06.639000
21	235.1	XCSE	20171124 15:00:19.529515	390	234.7	XCSE	20171124 16:11:06.639000
1050	235.1	XCSE	20171124 15:00:29.250426	300	234.7	XCSE	20171124 16:11:06.639000
24	235.2	XCSE	20171124 15:02:07.493000	630	234.7	XCSE	20171124 16:11:06.643000
72	235.3	XCSE	20171124 15:04:43.398000	153	234.7	XCSE	20171124 16:11:06.660000
319	235.3	XCSE	20171124 15:04:43.398000	103	234.7	XCSE	20171124 16:11:06.660000
387	235.3	XCSE	20171124 15:04:43.398000	277	234.7	XCSE	20171124 16:12:59.098000
360	235.3	XCSE	20171124 15:04:43.398000	435	234.7	XCSE	20171124 16:12:59.098000
128	235.3	XCSE	20171124 15:04:43.398000	287	234.6	XCSE	20171124 16:13:52.180000
8	235.3	XCSE	20171124 15:04:43.398000	1076	234.6	XCSE	20171124 16:13:52.180000
599	235.3	XCSE	20171124 15:06:07.056000	904	234.6	XCSE	20171124 16:13:52.180000
350	235.3	XCSE	20171124 15:06:07.056000	922	234.7	XCSE	20171124 16:17:59.482000
249	235.3	XCSE	20171124 15:06:07.057000	673	234.7	XCSE	20171124 16:17:59.482000
49	235.3	XCSE	20171124 15:06:07.057000	175	234.7	XCSE	20171124 16:17:59.482000
500	235.3	XCSE	20171124 15:06:07.059000	854	234.6	XCSE	20171124 16:23:56.836000
50	235.3	XCSE	20171124 15:06:07.065000	302	234.6	XCSE	20171124 16:24:02.158000
50	235.3	XCSE	20171124 15:06:07.081000	396	234.6	XCSE	20171124 16:24:02.193000
549	235.3	XCSE	20171124 15:06:07.107000	142	234.6	XCSE	20171124 16:24:04.254000
49	235.3	XCSE	20171124 15:10:27.407000	10	234.6	XCSE	20171124 16:24:08.163000
310	235.3	XCSE	20171124 15:10:27.408000	573	234.6	XCSE	20171124 16:24:32.668699
359	235.3	XCSE	20171124 15:10:27.434000	375	234.6	XCSE	20171124 16:24:32.690347
5	235.3	XCSE	20171124 15:10:27.437000	1660	234.6	XCSE	20171124 16:24:32.693855
930	235.3	XCSE	20171124 15:11:07.466000	5000	234.5	XCSE	20171124 16:25:42.101741
682	235.3	XCSE	20171124 15:11:07.494000	311	234.5	XCSE	20171124 16:29:32.302210
10	235.3	XCSE	20171124 15:11:10.190000	361	234.5	XCSE	20171124 16:29:32.302210
238	235.3	XCSE	20171124 15:11:23.916000	361	234.5	XCSE	20171124 16:29:32.302210
12	235.3	XCSE	20171124 15:11:23.928000	500	234.5	XCSE	20171124 16:29:32.302210
12	235.3	XCSE	20171124 15:11:23.931000	395	234.5	XCSE	20171124 16:29:32.302210
149	235.3	XCSE	20171124 15:11:24.021000	155	234.5	XCSE	20171124 16:29:32.302210
9	235.4	XCSE	20171124 15:17:25.348000	1012	234.5	XCSE	20171124 16:29:32.302210
500	235.4	XCSE	20171124 15:17:25.348000	267	234.5	XCSE	20171124 16:29:32.302210
150	235.4	XCSE	20171124 15:17:25.348000	531	234.5	XCSE	20171124 16:29:32.302210
500	235.4	XCSE	20171124 15:17:25.348000	500	234.5	XCSE	20171124 16:29:32.302210
105	235.4	XCSE	20171124 15:17:25.348000	554	234.5	XCSE	20171124 16:29:32.302210
168	235.3	XCSE	20171124 15:17:51.656000	53	234.5	XCSE	20171124 16:29:32.302210
350	235.3	XCSE	20171124 15:17:51.656000				
738	235.5	XCSE	20171124 15:20:26.901515				
201	235.5	XCSE	20171124 15:20:26.901515	175.000	234.66		
658	235.5	XCSE	20171124 15:20:26.901515				
150	235.5	XCSE	20171124 15:20:26.901515				
99	235.5	XCSE	20171124 15:20:26.901515				
174	235.5	XCSE	20171124 15:20:26.901515				
154	235.5	XCSE	20171124 15:20:26.901515				
628	235.5	XCSE	20171124 15:20:26.901515				
500	235.5	XCSE	20171124 15:20:26.901515				
320	235.5	XCSE	20171124 15:20:26.901515				
300	235.5	XCSE	20171124 15:20:26.901515				
401	235.5	XCSE	20171124 15:20:26.924508				
1396	235.5	XCSE	20171124 15:20:26.928606				
24	235.5	XCSE	20171124 15:22:15.434000				
785	235.4	XCSE	20171124 15:23:47.858000				
426	235.4	XCSE	20171124 15:23:47.864000				
763	235.4	XCSE	20171124 15:24:07.309000				
325	235.4	XCSE	20171124 15:24:07.309000				
99	235.3	XCSE	20171124 15:25:26.588000				
200	235.3	XCSE	20171124 15:25:26.590000				
306	235.3	XCSE	20171124 15:28:06.176000				
1509	235.4	XCSE	20171124 15:31:11.533000				