

Appendix E

Bouwer and Rice Slug-Test

Bouwer and Rice Slug-Test.....	E1
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Figures and Tables

Figure E.1: Bouwer and Rice Slug-Test Data Plots from MW6	E2
Table E.1: Bouwer and Rice Slug-Test Results	E3

Bouwer and Rice Slug-Test

On June 15, 1999, the Bouwer and Rice Slug-Test was conducted on MW6 to determine an estimate of hydraulic conductivity of the aquifer using the Solinst pressure transducer. The test was developed for unconfined aquifers and can be performed on open boreholes or screened wells (Fetter, 1994, pg. 251).

The equations for the test are described in section 3.2.5. The test was initiated by pouring a couple of gallons of water into the well and then immediately inserting the pressure transducer to record the decline of the water level in the well as it permeates into the soil. The pressure transducer was set to record in one second intervals and the test was conducted twice.

The ΔH for the first test was 2.69 ft and the ΔH for the second test was 1.93 ft. Parameters and results of the slug-test are shown in Table E1. Figure E1 shows the two tests plotted against time. The y-axis is plotted as y/y_0 (measured head/initial head).

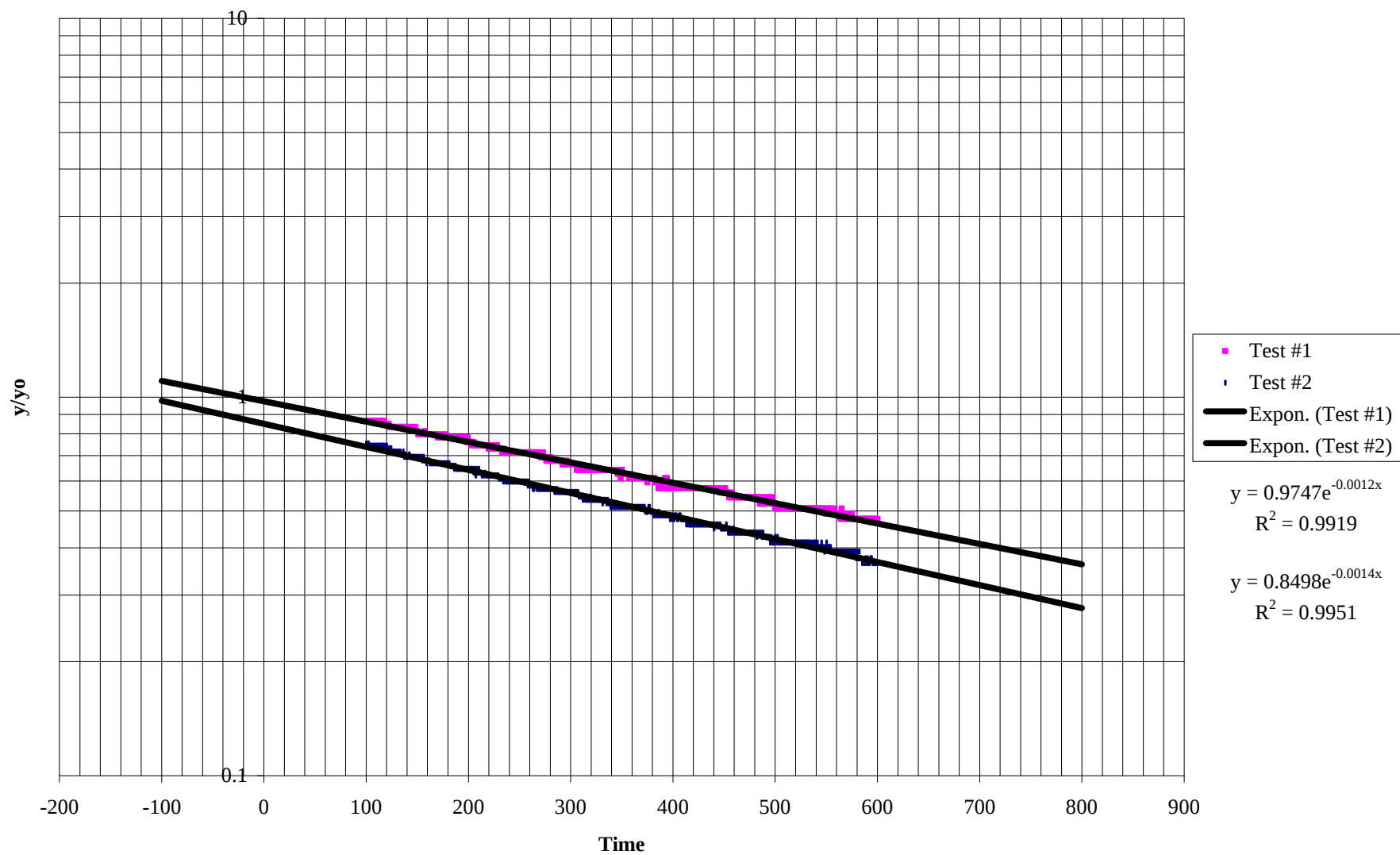


Figure E.1: Bouwer and Rice Slug-Test Data from the two tests conducted on June 15, 1999 at MW6

Table E.1: Bouwer and Rice Slug-Test Results for MW6 on June 15, 1999

Bouwer and Rice Slug-Test Method
Data taken at Oneida, TN on 6/15/99

Lw =	6.71 ft
Le =	5 ft
R =	2 in
	= 0.166667 ft
Rc =	1 in
	= 0.083333 ft
Le/R =	30
C =	2 *from graph in Bouwer and Rice Results

$\ln(Re/R) = 2.744709$

Test #1	
t1 (sec) =	100
t2 (sec) =	600
H1 (ft) =	0.864481
H2 (ft) =	0.474437

K (ft/d) = 0.197619

Test #2	
t1 (sec) =	100
t2 (sec) =	600
H1 (ft) =	0.738781
H2 (ft) =	0.366868

K (ft/d) = 0.230556

June 15, 1999 Slug Test Data for MW 6

correction for barometric pressure =	2.59 ft
y prime + barometric pressure =	3.61 ft
y prime (initial depth of transducer) =	1.02 ft

yo2 (ft) = 2.69		Slug Test #2		
Time	Raw Data	Seconds	y(t)	y/yo
12:02:25	6.3	0	2.69	1
12:02:26	6.26	1	2.65	0.98513
12:02:27	6.26	2	2.65	0.98513
12:02:28	6.2	3	2.59	0.962825
12:02:29	6.2	4	2.59	0.962825
12:02:30	6.17	5	2.56	0.951673
12:02:31	6.13	6	2.52	0.936803
12:02:32	6.13	7	2.52	0.936803
12:02:33	6.13	8	2.52	0.936803
12:02:34	6.13	9	2.52	0.936803
12:02:35	6.13	10	2.52	0.936803
12:02:36	6.07	11	2.46	0.914498
12:02:37	6.07	12	2.46	0.914498
12:02:38	6.07	13	2.46	0.914498
12:02:39	6.07	14	2.46	0.914498
12:02:40	6.04	15	2.43	0.903346
12:02:41	6	16	2.39	0.888476
12:02:42	6.04	17	2.43	0.903346
12:02:43	6	18	2.39	0.888476
12:02:44	6	19	2.39	0.888476
12:02:45	6	20	2.39	0.888476
12:02:46	6	21	2.39	0.888476
12:02:47	6	22	2.39	0.888476
12:02:48	6	23	2.39	0.888476
12:02:49	6	24	2.39	0.888476
12:02:50	6	25	2.39	0.888476
12:02:51	6	26	2.39	0.888476
12:02:52	5.97	27	2.36	0.877323
12:02:53	5.94	28	2.33	0.866171
12:02:54	5.97	29	2.36	0.877323
12:02:55	5.94	30	2.33	0.866171
12:02:56	5.94	31	2.33	0.866171
12:02:57	5.94	32	2.33	0.866171
12:02:58	5.94	33	2.33	0.866171
12:02:59	5.94	34	2.33	0.866171
12:03:00	5.94	35	2.33	0.866171
12:03:01	5.94	36	2.33	0.866171
12:03:02	5.9	37	2.29	0.851301
12:03:03	5.87	38	2.26	0.840149
12:03:04	5.87	39	2.26	0.840149
12:03:05	5.87	40	2.26	0.840149
12:03:06	5.87	41	2.26	0.840149
12:03:07	5.87	42	2.26	0.840149
12:03:08	5.87	43	2.26	0.840149
12:03:09	5.87	44	2.26	0.840149
12:03:10	5.87	45	2.26	0.840149
12:03:11	5.87	46	2.26	0.840149
12:03:12	5.87	47	2.26	0.840149
12:03:13	5.87	48	2.26	0.840149
12:03:14	5.87	49	2.26	0.840149
12:03:15	5.84	50	2.23	0.828996
12:03:16	5.84	51	2.23	0.828996
12:03:17	5.81	52	2.2	0.817844
12:03:18	5.81	53	2.2	0.817844
12:03:19	5.81	54	2.2	0.817844
12:03:20	5.81	55	2.2	0.817844

yo1 (ft) = 1.93		Slug Test #1		
Time	Raw Data	Seconds	y(t)	y/yo
11:00:11	5.54	0	1.93	1
11:00:12	5.54	1	1.93	1
11:00:13	5.48	2	1.87	0.968912
11:00:14	5.48	3	1.87	0.968912
11:00:15	5.48	4	1.87	0.968912
11:00:16	5.51	5	1.9	0.984456
11:00:17	5.54	6	1.93	1
11:00:18	5.54	7	1.93	1
11:00:19	5.54	8	1.93	1
11:00:20	5.54	9	1.93	1
11:00:21	5.54	10	1.93	1
11:00:22	5.54	11	1.93	1
11:00:23	5.54	12	1.93	1
11:00:24	5.54	13	1.93	1
11:00:25	5.54	14	1.93	1
11:00:26	5.54	15	1.93	1
11:00:27	5.54	16	1.93	1
11:00:28	5.54	17	1.93	1
11:00:29	5.54	18	1.93	1
11:00:30	5.54	19	1.93	1
11:00:31	5.54	20	1.93	1
11:00:32	5.54	21	1.93	1
11:00:33	5.54	22	1.93	1
11:00:34	5.54	23	1.93	1
11:00:35	5.51	24	1.9	0.984456
11:00:36	5.54	25	1.93	1
11:00:37	5.54	26	1.93	1
11:00:38	5.54	27	1.93	1
11:00:39	5.54	28	1.93	1
11:00:40	5.54	29	1.93	1
11:00:41	5.51	30	1.9	0.984456
11:00:42	5.51	31	1.9	0.984456
11:00:43	5.48	32	1.87	0.968912
11:00:44	5.51	33	1.9	0.984456
11:00:45	5.48	34	1.87	0.968912
11:00:46	5.51	35	1.9	0.984456
11:00:47	5.48	36	1.87	0.968912
11:00:48	5.48	37	1.87	0.968912
11:00:49	5.48	38	1.87	0.968912
11:00:50	5.48	39	1.87	0.968912
11:00:51	5.48	40	1.87	0.968912
11:00:52	5.48	41	1.87	0.968912
11:00:53	5.48	42	1.87	0.968912
11:00:54	5.48	43	1.87	0.968912
11:00:55	5.48	44	1.87	0.968912
11:00:56	5.48	45	1.87	0.968912
11:00:57	5.48	46	1.87	0.968912
11:00:58	5.44	47	1.83	0.948187
11:00:59	5.48	48	1.87	0.968912
11:01:00	5.44	49	1.83	0.948187
11:01:01	5.44	50	1.83	0.948187
11:01:02	5.44	51	1.83	0.948187
11:01:03	5.44	52	1.83	0.948187
11:01:04	5.41	53	1.8	0.932642
11:01:05	5.41	54	1.8	0.932642
11:01:06	5.41	55	1.8	0.932642

12:03:21	5.81	56	2.2	0.817844
12:03:22	5.81	57	2.2	0.817844
12:03:23	5.81	58	2.2	0.817844
12:03:24	5.81	59	2.2	0.817844
12:03:25	5.81	60	2.2	0.817844
12:03:26	5.81	61	2.2	0.817844
12:03:27	5.77	62	2.16	0.802974
12:03:28	5.81	63	2.2	0.817844
12:03:29	5.74	64	2.13	0.791822
12:03:30	5.74	65	2.13	0.791822
12:03:31	5.74	66	2.13	0.791822
12:03:32	5.74	67	2.13	0.791822
12:03:33	5.74	68	2.13	0.791822
12:03:34	5.74	69	2.13	0.791822
12:03:35	5.74	70	2.13	0.791822
12:03:36	5.74	71	2.13	0.791822
12:03:37	5.74	72	2.13	0.791822
12:03:38	5.74	73	2.13	0.791822
12:03:39	5.74	74	2.13	0.791822
12:03:40	5.74	75	2.13	0.791822
12:03:41	5.74	76	2.13	0.791822
12:03:42	5.74	77	2.13	0.791822
12:03:43	5.74	78	2.13	0.791822
12:03:44	5.74	79	2.13	0.791822
12:03:45	5.74	80	2.13	0.791822
12:03:46	5.74	81	2.13	0.791822
12:03:47	5.74	82	2.13	0.791822
12:03:48	5.74	83	2.13	0.791822
12:03:49	5.71	84	2.1	0.780669
12:03:50	5.67	85	2.06	0.765799
12:03:51	5.71	86	2.1	0.780669
12:03:52	5.71	87	2.1	0.780669
12:03:53	5.67	88	2.06	0.765799
12:03:54	5.67	89	2.06	0.765799
12:03:55	5.67	90	2.06	0.765799
12:03:56	5.67	91	2.06	0.765799
12:03:57	5.67	92	2.06	0.765799
12:03:58	5.67	93	2.06	0.765799
12:03:59	5.67	94	2.06	0.765799
12:04:00	5.67	95	2.06	0.765799
12:04:01	5.64	96	2.03	0.754647
12:04:02	5.67	97	2.06	0.765799
12:04:03	5.64	98	2.03	0.754647
12:04:04	5.64	99	2.03	0.754647
12:04:05	5.64	100	2.03	0.754647
12:04:06	5.61	101	2	0.743494
12:04:07	5.64	102	2.03	0.754647
12:04:08	5.61	103	2	0.743494
12:04:09	5.61	104	2	0.743494
12:04:10	5.61	105	2	0.743494
12:04:11	5.61	106	2	0.743494
12:04:12	5.61	107	2	0.743494
12:04:13	5.61	108	2	0.743494
12:04:14	5.61	109	2	0.743494
12:04:15	5.61	110	2	0.743494
12:04:16	5.61	111	2	0.743494
12:04:17	5.61	112	2	0.743494
12:04:18	5.61	113	2	0.743494
12:04:19	5.61	114	2	0.743494
12:04:20	5.61	115	2	0.743494
12:04:21	5.61	116	2	0.743494
12:04:22	5.61	117	2	0.743494
12:04:23	5.61	118	2	0.743494
12:04:24	5.58	119	1.97	0.732342
12:04:25	5.61	120	2	0.743494

11:01:07	5.41	56	1.8	0.932642
11:01:08	5.41	57	1.8	0.932642
11:01:09	5.41	58	1.8	0.932642
11:01:10	5.41	59	1.8	0.932642
11:01:11	5.41	60	1.8	0.932642
11:01:12	5.41	61	1.8	0.932642
11:01:13	5.41	62	1.8	0.932642
11:01:14	5.41	63	1.8	0.932642
11:01:15	5.41	64	1.8	0.932642
11:01:16	5.41	65	1.8	0.932642
11:01:17	5.41	66	1.8	0.932642
11:01:18	5.41	67	1.8	0.932642
11:01:19	5.41	68	1.8	0.932642
11:01:20	5.38	69	1.77	0.917098
11:01:21	5.35	70	1.74	0.901554
11:01:22	5.38	71	1.77	0.917098
11:01:23	5.35	72	1.74	0.901554
11:01:24	5.35	73	1.74	0.901554
11:01:25	5.38	74	1.77	0.917098
11:01:26	5.38	75	1.77	0.917098
11:01:27	5.35	76	1.74	0.901554
11:01:28	5.35	77	1.74	0.901554
11:01:29	5.35	78	1.74	0.901554
11:01:30	5.35	79	1.74	0.901554
11:01:31	5.35	80	1.74	0.901554
11:01:32	5.35	81	1.74	0.901554
11:01:33	5.35	82	1.74	0.901554
11:01:34	5.35	83	1.74	0.901554
11:01:35	5.35	84	1.74	0.901554
11:01:36	5.35	85	1.74	0.901554
11:01:37	5.35	86	1.74	0.901554
11:01:38	5.35	87	1.74	0.901554
11:01:39	5.35	88	1.74	0.901554
11:01:40	5.35	89	1.74	0.901554
11:01:41	5.35	90	1.74	0.901554
11:01:42	5.35	91	1.74	0.901554
11:01:43	5.31	92	1.7	0.880829
11:01:44	5.35	93	1.74	0.901554
11:01:45	5.35	94	1.74	0.901554
11:01:46	5.31	95	1.7	0.880829
11:01:47	5.28	96	1.67	0.865285
11:01:48	5.31	97	1.7	0.880829
11:01:49	5.31	98	1.7	0.880829
11:01:50	5.31	99	1.7	0.880829
11:01:51	5.28	100	1.67	0.865285
11:01:52	5.28	101	1.67	0.865285
11:01:53	5.28	102	1.67	0.865285
11:01:54	5.28	103	1.67	0.865285
11:01:55	5.28	104	1.67	0.865285
11:01:56	5.28	105	1.67	0.865285
11:01:57	5.28	106	1.67	0.865285
11:01:58	5.28	107	1.67	0.865285
11:01:59	5.28	108	1.67	0.865285
11:02:00	5.28	109	1.67	0.865285
11:02:01	5.28	110	1.67	0.865285
11:02:02	5.28	111	1.67	0.865285
11:02:03	5.28	112	1.67	0.865285
11:02:04	5.28	113	1.67	0.865285
11:02:05	5.28	114	1.67	0.865285
11:02:06	5.28	115	1.67	0.865285
11:02:07	5.25	116	1.64	0.849741
11:02:08	5.28	117	1.67	0.865285
11:02:09	5.25	118	1.64	0.849741
11:02:10	5.25	119	1.64	0.849741
11:02:11	5.25	120	1.64	0.849741

12:04:26	5.58	121	1.97	0.732342
12:04:27	5.54	122	1.93	0.717472
12:04:28	5.58	123	1.97	0.732342
12:04:29	5.58	124	1.97	0.732342
12:04:30	5.54	125	1.93	0.717472
12:04:31	5.54	126	1.93	0.717472
12:04:32	5.54	127	1.93	0.717472
12:04:33	5.54	128	1.93	0.717472
12:04:34	5.54	129	1.93	0.717472
12:04:35	5.54	130	1.93	0.717472
12:04:36	5.54	131	1.93	0.717472
12:04:37	5.54	132	1.93	0.717472
12:04:38	5.54	133	1.93	0.717472
12:04:39	5.51	134	1.9	0.70632
12:04:40	5.51	135	1.9	0.70632
12:04:41	5.54	136	1.93	0.717472
12:04:42	5.48	137	1.87	0.695167
12:04:43	5.51	138	1.9	0.70632
12:04:44	5.48	139	1.87	0.695167
12:04:45	5.48	140	1.87	0.695167
12:04:46	5.48	141	1.87	0.695167
12:04:47	5.51	142	1.9	0.70632
12:04:48	5.48	143	1.87	0.695167
12:04:49	5.48	144	1.87	0.695167
12:04:50	5.48	145	1.87	0.695167
12:04:51	5.48	146	1.87	0.695167
12:04:52	5.48	147	1.87	0.695167
12:04:53	5.48	148	1.87	0.695167
12:04:54	5.48	149	1.87	0.695167
12:04:55	5.48	150	1.87	0.695167
12:04:56	5.48	151	1.87	0.695167
12:04:57	5.48	152	1.87	0.695167
12:04:58	5.48	153	1.87	0.695167
12:04:59	5.48	154	1.87	0.695167
12:05:00	5.44	155	1.83	0.680297
12:05:01	5.48	156	1.87	0.695167
12:05:02	5.44	157	1.83	0.680297
12:05:03	5.44	158	1.83	0.680297
12:05:04	5.41	159	1.8	0.669145
12:05:05	5.44	160	1.83	0.680297
12:05:06	5.44	161	1.83	0.680297
12:05:07	5.41	162	1.8	0.669145
12:05:08	5.41	163	1.8	0.669145
12:05:09	5.41	164	1.8	0.669145
12:05:10	5.41	165	1.8	0.669145
12:05:11	5.41	166	1.8	0.669145
12:05:12	5.41	167	1.8	0.669145
12:05:13	5.41	168	1.8	0.669145
12:05:14	5.41	169	1.8	0.669145
12:05:15	5.41	170	1.8	0.669145
12:05:16	5.41	171	1.8	0.669145
12:05:17	5.41	172	1.8	0.669145
12:05:18	5.41	173	1.8	0.669145
12:05:19	5.41	174	1.8	0.669145
12:05:20	5.41	175	1.8	0.669145
12:05:21	5.41	176	1.8	0.669145
12:05:22	5.41	177	1.8	0.669145
12:05:23	5.41	178	1.8	0.669145
12:05:24	5.41	179	1.8	0.669145
12:05:25	5.41	180	1.8	0.669145
12:05:26	5.41	181	1.8	0.669145
12:05:27	5.38	182	1.77	0.657993
12:05:28	5.38	183	1.77	0.657993
12:05:29	5.38	184	1.77	0.657993
12:05:30	5.38	185	1.77	0.657993

11:02:12	5.25	121	1.64	0.849741
11:02:13	5.25	122	1.64	0.849741
11:02:14	5.22	123	1.61	0.834197
11:02:15	5.22	124	1.61	0.834197
11:02:16	5.22	125	1.61	0.834197
11:02:17	5.22	126	1.61	0.834197
11:02:18	5.22	127	1.61	0.834197
11:02:19	5.22	128	1.61	0.834197
11:02:20	5.22	129	1.61	0.834197
11:02:21	5.22	130	1.61	0.834197
11:02:22	5.22	131	1.61	0.834197
11:02:23	5.22	132	1.61	0.834197
11:02:24	5.22	133	1.61	0.834197
11:02:25	5.22	134	1.61	0.834197
11:02:26	5.22	135	1.61	0.834197
11:02:27	5.22	136	1.61	0.834197
11:02:28	5.22	137	1.61	0.834197
11:02:29	5.22	138	1.61	0.834197
11:02:30	5.22	139	1.61	0.834197
11:02:31	5.22	140	1.61	0.834197
11:02:32	5.22	141	1.61	0.834197
11:02:33	5.22	142	1.61	0.834197
11:02:34	5.22	143	1.61	0.834197
11:02:35	5.22	144	1.61	0.834197
11:02:36	5.18	145	1.57	0.813472
11:02:37	5.22	146	1.61	0.834197
11:02:38	5.22	147	1.61	0.834197
11:02:39	5.22	148	1.61	0.834197
11:02:40	5.18	149	1.57	0.813472
11:02:41	5.18	150	1.57	0.813472
11:02:42	5.15	151	1.54	0.797927
11:02:43	5.15	152	1.54	0.797927
11:02:44	5.15	153	1.54	0.797927
11:02:45	5.15	154	1.54	0.797927
11:02:46	5.15	155	1.54	0.797927
11:02:47	5.15	156	1.54	0.797927
11:02:48	5.18	157	1.57	0.813472
11:02:49	5.15	158	1.54	0.797927
11:02:50	5.15	159	1.54	0.797927
11:02:51	5.15	160	1.54	0.797927
11:02:52	5.15	161	1.54	0.797927
11:02:53	5.15	162	1.54	0.797927
11:02:54	5.15	163	1.54	0.797927
11:02:55	5.15	164	1.54	0.797927
11:02:56	5.15	165	1.54	0.797927
11:02:57	5.15	166	1.54	0.797927
11:02:58	5.15	167	1.54	0.797927
11:02:59	5.15	168	1.54	0.797927
11:03:00	5.15	169	1.54	0.797927
11:03:01	5.12	170	1.51	0.782383
11:03:02	5.12	171	1.51	0.782383
11:03:03	5.12	172	1.51	0.782383
11:03:04	5.12	173	1.51	0.782383
11:03:05	5.15	174	1.54	0.797927
11:03:06	5.12	175	1.51	0.782383
11:03:07	5.12	176	1.51	0.782383
11:03:08	5.12	177	1.51	0.782383
11:03:09	5.15	178	1.54	0.797927
11:03:10	5.12	179	1.51	0.782383
11:03:11	5.12	180	1.51	0.782383
11:03:12	5.12	181	1.51	0.782383
11:03:13	5.12	182	1.51	0.782383
11:03:14	5.12	183	1.51	0.782383
11:03:15	5.12	184	1.51	0.782383
11:03:16	5.12	185	1.51	0.782383

12:05:31	5.35	186	1.74	0.64684
12:05:32	5.38	187	1.77	0.657993
12:05:33	5.35	188	1.74	0.64684
12:05:34	5.35	189	1.74	0.64684
12:05:35	5.35	190	1.74	0.64684
12:05:36	5.35	191	1.74	0.64684
12:05:37	5.35	192	1.74	0.64684
12:05:38	5.35	193	1.74	0.64684
12:05:39	5.35	194	1.74	0.64684
12:05:40	5.35	195	1.74	0.64684
12:05:41	5.35	196	1.74	0.64684
12:05:42	5.35	197	1.74	0.64684
12:05:43	5.35	198	1.74	0.64684
12:05:44	5.35	199	1.74	0.64684
12:05:45	5.35	200	1.74	0.64684
12:05:46	5.35	201	1.74	0.64684
12:05:47	5.35	202	1.74	0.64684
12:05:48	5.35	203	1.74	0.64684
12:05:49	5.35	204	1.74	0.64684
12:05:50	5.31	205	1.7	0.63197
12:05:51	5.35	206	1.74	0.64684
12:05:52	5.28	207	1.67	0.620818
12:05:53	5.35	208	1.74	0.64684
12:05:54	5.31	209	1.7	0.63197
12:05:55	5.35	210	1.74	0.64684
12:05:56	5.31	211	1.7	0.63197
12:05:57	5.31	212	1.7	0.63197
12:05:58	5.28	213	1.67	0.620818
12:05:59	5.28	214	1.67	0.620818
12:06:00	5.28	215	1.67	0.620818
12:06:01	5.31	216	1.7	0.63197
12:06:02	5.28	217	1.67	0.620818
12:06:03	5.28	218	1.67	0.620818
12:06:04	5.28	219	1.67	0.620818
12:06:05	5.28	220	1.67	0.620818
12:06:06	5.28	221	1.67	0.620818
12:06:07	5.28	222	1.67	0.620818
12:06:08	5.28	223	1.67	0.620818
12:06:09	5.28	224	1.67	0.620818
12:06:10	5.28	225	1.67	0.620818
12:06:11	5.28	226	1.67	0.620818
12:06:12	5.28	227	1.67	0.620818
12:06:13	5.28	228	1.67	0.620818
12:06:14	5.28	229	1.67	0.620818
12:06:15	5.25	230	1.64	0.609665
12:06:16	5.25	231	1.64	0.609665
12:06:17	5.25	232	1.64	0.609665
12:06:18	5.25	233	1.64	0.609665
12:06:19	5.22	234	1.61	0.598513
12:06:20	5.25	235	1.64	0.609665
12:06:21	5.22	236	1.61	0.598513
12:06:22	5.22	237	1.61	0.598513
12:06:23	5.22	238	1.61	0.598513
12:06:24	5.22	239	1.61	0.598513
12:06:25	5.22	240	1.61	0.598513
12:06:26	5.22	241	1.61	0.598513
12:06:27	5.22	242	1.61	0.598513
12:06:28	5.22	243	1.61	0.598513
12:06:29	5.22	244	1.61	0.598513
12:06:30	5.22	245	1.61	0.598513
12:06:31	5.22	246	1.61	0.598513
12:06:32	5.22	247	1.61	0.598513
12:06:33	5.22	248	1.61	0.598513
12:06:34	5.22	249	1.61	0.598513
12:06:35	5.22	250	1.61	0.598513

11:03:17	5.12	186	1.51	0.782383
11:03:18	5.12	187	1.51	0.782383
11:03:19	5.12	188	1.51	0.782383
11:03:20	5.12	189	1.51	0.782383
11:03:21	5.12	190	1.51	0.782383
11:03:22	5.12	191	1.51	0.782383
11:03:23	5.12	192	1.51	0.782383
11:03:24	5.12	193	1.51	0.782383
11:03:25	5.12	194	1.51	0.782383
11:03:26	5.12	195	1.51	0.782383
11:03:27	5.12	196	1.51	0.782383
11:03:28	5.12	197	1.51	0.782383
11:03:29	5.08	198	1.47	0.761658
11:03:30	5.12	199	1.51	0.782383
11:03:31	5.08	200	1.47	0.761658
11:03:32	5.08	201	1.47	0.761658
11:03:33	5.08	202	1.47	0.761658
11:03:34	5.05	203	1.44	0.746114
11:03:35	5.05	204	1.44	0.746114
11:03:36	5.08	205	1.47	0.761658
11:03:37	5.05	206	1.44	0.746114
11:03:38	5.05	207	1.44	0.746114
11:03:39	5.05	208	1.44	0.746114
11:03:40	5.05	209	1.44	0.746114
11:03:41	5.05	210	1.44	0.746114
11:03:42	5.05	211	1.44	0.746114
11:03:43	5.05	212	1.44	0.746114
11:03:44	5.05	213	1.44	0.746114
11:03:45	5.05	214	1.44	0.746114
11:03:46	5.05	215	1.44	0.746114
11:03:47	5.05	216	1.44	0.746114
11:03:48	5.05	217	1.44	0.746114
11:03:49	5.05	218	1.44	0.746114
11:03:50	5.05	219	1.44	0.746114
11:03:51	5.02	220	1.41	0.73057
11:03:52	5.05	221	1.44	0.746114
11:03:53	5.05	222	1.44	0.746114
11:03:54	5.05	223	1.44	0.746114
11:03:55	5.02	224	1.41	0.73057
11:03:56	5.02	225	1.41	0.73057
11:03:57	5.05	226	1.44	0.746114
11:03:58	5.05	227	1.44	0.746114
11:03:59	5.05	228	1.44	0.746114
11:04:00	5.02	229	1.41	0.73057
11:04:01	5.02	230	1.41	0.73057
11:04:02	5.02	231	1.41	0.73057
11:04:03	5.02	232	1.41	0.73057
11:04:04	4.99	233	1.38	0.715026
11:04:05	4.99	234	1.38	0.715026
11:04:06	5.02	235	1.41	0.73057
11:04:07	4.99	236	1.38	0.715026
11:04:08	4.99	237	1.38	0.715026
11:04:09	4.99	238	1.38	0.715026
11:04:10	4.99	239	1.38	0.715026
11:04:11	4.99	240	1.38	0.715026
11:04:12	4.99	241	1.38	0.715026
11:04:13	4.99	242	1.38	0.715026
11:04:14	4.99	243	1.38	0.715026
11:04:15	4.99	244	1.38	0.715026
11:04:16	4.99	245	1.38	0.715026
11:04:17	4.99	246	1.38	0.715026
11:04:18	4.99	247	1.38	0.715026
11:04:19	4.99	248	1.38	0.715026
11:04:20	4.99	249	1.38	0.715026
11:04:21	4.99	250	1.38	0.715026

12:06:36	5.22	251	1.61	0.598513
12:06:37	5.22	252	1.61	0.598513
12:06:38	5.22	253	1.61	0.598513
12:06:39	5.22	254	1.61	0.598513
12:06:40	5.22	255	1.61	0.598513
12:06:41	5.22	256	1.61	0.598513
12:06:42	5.22	257	1.61	0.598513
12:06:43	5.18	258	1.57	0.583643
12:06:44	5.22	259	1.61	0.598513
12:06:45	5.18	260	1.57	0.583643
12:06:46	5.18	261	1.57	0.583643
12:06:47	5.18	262	1.57	0.583643
12:06:48	5.15	263	1.54	0.572491
12:06:49	5.15	264	1.54	0.572491
12:06:50	5.18	265	1.57	0.583643
12:06:51	5.18	266	1.57	0.583643
12:06:52	5.15	267	1.54	0.572491
12:06:53	5.15	268	1.54	0.572491
12:06:54	5.15	269	1.54	0.572491
12:06:55	5.15	270	1.54	0.572491
12:06:56	5.15	271	1.54	0.572491
12:06:57	5.15	272	1.54	0.572491
12:06:58	5.15	273	1.54	0.572491
12:06:59	5.15	274	1.54	0.572491
12:07:00	5.15	275	1.54	0.572491
12:07:01	5.15	276	1.54	0.572491
12:07:02	5.15	277	1.54	0.572491
12:07:03	5.15	278	1.54	0.572491
12:07:04	5.15	279	1.54	0.572491
12:07:05	5.15	280	1.54	0.572491
12:07:06	5.15	281	1.54	0.572491
12:07:07	5.15	282	1.54	0.572491
12:07:08	5.15	283	1.54	0.572491
12:07:09	5.12	284	1.51	0.561338
12:07:10	5.12	285	1.51	0.561338
12:07:11	5.15	286	1.54	0.572491
12:07:12	5.12	287	1.51	0.561338
12:07:13	5.12	288	1.51	0.561338
12:07:14	5.12	289	1.51	0.561338
12:07:15	5.12	290	1.51	0.561338
12:07:16	5.12	291	1.51	0.561338
12:07:17	5.12	292	1.51	0.561338
12:07:18	5.12	293	1.51	0.561338
12:07:19	5.12	294	1.51	0.561338
12:07:20	5.12	295	1.51	0.561338
12:07:21	5.12	296	1.51	0.561338
12:07:22	5.12	297	1.51	0.561338
12:07:23	5.12	298	1.51	0.561338
12:07:24	5.12	299	1.51	0.561338
12:07:25	5.12	300	1.51	0.561338
12:07:26	5.12	301	1.51	0.561338
12:07:27	5.12	302	1.51	0.561338
12:07:28	5.12	303	1.51	0.561338
12:07:29	5.12	304	1.51	0.561338
12:07:30	5.12	305	1.51	0.561338
12:07:31	5.12	306	1.51	0.561338
12:07:32	5.12	307	1.51	0.561338
12:07:33	5.08	308	1.47	0.546468
12:07:34	5.08	309	1.47	0.546468
12:07:35	5.08	310	1.47	0.546468
12:07:36	5.08	311	1.47	0.546468
12:07:37	5.05	312	1.44	0.535316
12:07:38	5.08	313	1.47	0.546468
12:07:39	5.05	314	1.44	0.535316
12:07:40	5.08	315	1.47	0.546468

11:04:22	4.99	251	1.38	0.715026
11:04:23	4.99	252	1.38	0.715026
11:04:24	4.99	253	1.38	0.715026
11:04:25	4.99	254	1.38	0.715026
11:04:26	4.99	255	1.38	0.715026
11:04:27	4.99	256	1.38	0.715026
11:04:28	4.99	257	1.38	0.715026
11:04:29	4.99	258	1.38	0.715026
11:04:30	4.99	259	1.38	0.715026
11:04:31	4.99	260	1.38	0.715026
11:04:32	4.99	261	1.38	0.715026
11:04:33	4.99	262	1.38	0.715026
11:04:34	4.99	263	1.38	0.715026
11:04:35	4.99	264	1.38	0.715026
11:04:36	4.99	265	1.38	0.715026
11:04:37	4.99	266	1.38	0.715026
11:04:38	4.99	267	1.38	0.715026
11:04:39	4.99	268	1.38	0.715026
11:04:40	4.99	269	1.38	0.715026
11:04:41	4.99	270	1.38	0.715026
11:04:42	4.95	271	1.34	0.694301
11:04:43	4.95	272	1.34	0.694301
11:04:44	4.99	273	1.38	0.715026
11:04:45	4.95	274	1.34	0.694301
11:04:46	4.95	275	1.34	0.694301
11:04:47	4.92	276	1.31	0.678756
11:04:48	4.95	277	1.34	0.694301
11:04:49	4.92	278	1.31	0.678756
11:04:50	4.92	279	1.31	0.678756
11:04:51	4.95	280	1.34	0.694301
11:04:52	4.92	281	1.31	0.678756
11:04:53	4.92	282	1.31	0.678756
11:04:54	4.92	283	1.31	0.678756
11:04:55	4.92	284	1.31	0.678756
11:04:56	4.92	285	1.31	0.678756
11:04:57	4.92	286	1.31	0.678756
11:04:58	4.92	287	1.31	0.678756
11:04:59	4.92	288	1.31	0.678756
11:05:00	4.92	289	1.31	0.678756
11:05:01	4.92	290	1.31	0.678756
11:05:02	4.92	291	1.31	0.678756
11:05:03	4.89	292	1.28	0.663212
11:05:04	4.92	293	1.31	0.678756
11:05:05	4.89	294	1.28	0.663212
11:05:06	4.89	295	1.28	0.663212
11:05:07	4.92	296	1.31	0.678756
11:05:08	4.89	297	1.28	0.663212
11:05:09	4.89	298	1.28	0.663212
11:05:10	4.89	299	1.28	0.663212
11:05:11	4.89	300	1.28	0.663212
11:05:12	4.89	301	1.28	0.663212
11:05:13	4.89	302	1.28	0.663212
11:05:14	4.89	303	1.28	0.663212
11:05:15	4.89	304	1.28	0.663212
11:05:16	4.89	305	1.28	0.663212
11:05:17	4.85	306	1.24	0.642487
11:05:18	4.85	307	1.24	0.642487
11:05:19	4.85	308	1.24	0.642487
11:05:20	4.85	309	1.24	0.642487
11:05:21	4.85	310	1.24	0.642487
11:05:22	4.85	311	1.24	0.642487
11:05:23	4.85	312	1.24	0.642487
11:05:24	4.85	313	1.24	0.642487
11:05:25	4.85	314	1.24	0.642487
11:05:26	4.85	315	1.24	0.642487

12:07:41	5.05	316	1.44	0.535316
12:07:42	5.05	317	1.44	0.535316
12:07:43	5.05	318	1.44	0.535316
12:07:44	5.08	319	1.47	0.546468
12:07:45	5.05	320	1.44	0.535316
12:07:46	5.05	321	1.44	0.535316
12:07:47	5.05	322	1.44	0.535316
12:07:48	5.05	323	1.44	0.535316
12:07:49	5.05	324	1.44	0.535316
12:07:50	5.05	325	1.44	0.535316
12:07:51	5.05	326	1.44	0.535316
12:07:52	5.05	327	1.44	0.535316
12:07:53	5.05	328	1.44	0.535316
12:07:54	5.05	329	1.44	0.535316
12:07:55	5.05	330	1.44	0.535316
12:07:56	5.02	331	1.41	0.524164
12:07:57	5.05	332	1.44	0.535316
12:07:58	5.05	333	1.44	0.535316
12:07:59	5.05	334	1.44	0.535316
12:08:00	5.02	335	1.41	0.524164
12:08:01	5.05	336	1.44	0.535316
12:08:02	5.02	337	1.41	0.524164
12:08:03	5.02	338	1.41	0.524164
12:08:04	4.99	339	1.38	0.513011
12:08:05	5.02	340	1.41	0.524164
12:08:06	4.99	341	1.38	0.513011
12:08:07	4.99	342	1.38	0.513011
12:08:08	4.99	343	1.38	0.513011
12:08:09	4.99	344	1.38	0.513011
12:08:10	5.02	345	1.41	0.524164
12:08:11	4.99	346	1.38	0.513011
12:08:12	4.99	347	1.38	0.513011
12:08:13	4.99	348	1.38	0.513011
12:08:14	4.99	349	1.38	0.513011
12:08:15	4.99	350	1.38	0.513011
12:08:16	4.99	351	1.38	0.513011
12:08:17	4.99	352	1.38	0.513011
12:08:18	4.99	353	1.38	0.513011
12:08:19	4.99	354	1.38	0.513011
12:08:20	4.99	355	1.38	0.513011
12:08:21	4.99	356	1.38	0.513011
12:08:22	4.99	357	1.38	0.513011
12:08:23	4.99	358	1.38	0.513011
12:08:24	4.99	359	1.38	0.513011
12:08:25	4.99	360	1.38	0.513011
12:08:26	4.99	361	1.38	0.513011
12:08:27	4.99	362	1.38	0.513011
12:08:28	4.99	363	1.38	0.513011
12:08:29	4.99	364	1.38	0.513011
12:08:30	4.99	365	1.38	0.513011
12:08:31	4.99	366	1.38	0.513011
12:08:32	4.99	367	1.38	0.513011
12:08:33	4.99	368	1.38	0.513011
12:08:34	4.99	369	1.38	0.513011
12:08:35	4.99	370	1.38	0.513011
12:08:36	4.99	371	1.38	0.513011
12:08:37	4.99	372	1.38	0.513011
12:08:38	4.95	373	1.34	0.498141
12:08:39	4.95	374	1.34	0.498141
12:08:40	4.95	375	1.34	0.498141
12:08:41	4.99	376	1.38	0.513011
12:08:42	4.99	377	1.38	0.513011
12:08:43	4.95	378	1.34	0.498141
12:08:44	4.95	379	1.34	0.498141
12:08:45	4.95	380	1.34	0.498141

11:05:27	4.85	316	1.24	0.642487
11:05:28	4.85	317	1.24	0.642487
11:05:29	4.85	318	1.24	0.642487
11:05:30	4.85	319	1.24	0.642487
11:05:31	4.85	320	1.24	0.642487
11:05:32	4.85	321	1.24	0.642487
11:05:33	4.85	322	1.24	0.642487
11:05:34	4.85	323	1.24	0.642487
11:05:35	4.85	324	1.24	0.642487
11:05:36	4.85	325	1.24	0.642487
11:05:37	4.85	326	1.24	0.642487
11:05:38	4.85	327	1.24	0.642487
11:05:39	4.85	328	1.24	0.642487
11:05:40	4.85	329	1.24	0.642487
11:05:41	4.85	330	1.24	0.642487
11:05:42	4.85	331	1.24	0.642487
11:05:43	4.85	332	1.24	0.642487
11:05:44	4.85	333	1.24	0.642487
11:05:45	4.85	334	1.24	0.642487
11:05:46	4.85	335	1.24	0.642487
11:05:47	4.85	336	1.24	0.642487
11:05:48	4.85	337	1.24	0.642487
11:05:49	4.85	338	1.24	0.642487
11:05:50	4.85	339	1.24	0.642487
11:05:51	4.85	340	1.24	0.642487
11:05:52	4.85	341	1.24	0.642487
11:05:53	4.85	342	1.24	0.642487
11:05:54	4.85	343	1.24	0.642487
11:05:55	4.85	344	1.24	0.642487
11:05:56	4.85	345	1.24	0.642487
11:05:57	4.82	346	1.21	0.626943
11:05:58	4.85	347	1.24	0.642487
11:05:59	4.85	348	1.24	0.642487
11:06:00	4.79	349	1.18	0.611399
11:06:01	4.85	350	1.24	0.642487
11:06:02	4.82	351	1.21	0.626943
11:06:03	4.82	352	1.21	0.626943
11:06:04	4.82	353	1.21	0.626943
11:06:05	4.82	354	1.21	0.626943
11:06:06	4.82	355	1.21	0.626943
11:06:07	4.82	356	1.21	0.626943
11:06:08	4.79	357	1.18	0.611399
11:06:09	4.79	358	1.18	0.611399
11:06:10	4.82	359	1.21	0.626943
11:06:11	4.79	360	1.18	0.611399
11:06:12	4.79	361	1.18	0.611399
11:06:13	4.79	362	1.18	0.611399
11:06:14	4.79	363	1.18	0.611399
11:06:15	4.79	364	1.18	0.611399
11:06:16	4.79	365	1.18	0.611399
11:06:17	4.79	366	1.18	0.611399
11:06:18	4.79	367	1.18	0.611399
11:06:19	4.79	368	1.18	0.611399
11:06:20	4.79	369	1.18	0.611399
11:06:21	4.79	370	1.18	0.611399
11:06:22	4.79	371	1.18	0.611399
11:06:23	4.79	372	1.18	0.611399
11:06:24	4.79	373	1.18	0.611399
11:06:25	4.79	374	1.18	0.611399
11:06:26	4.76	375	1.15	0.595855
11:06:27	4.79	376	1.18	0.611399
11:06:28	4.79	377	1.18	0.611399
11:06:29	4.79	378	1.18	0.611399
11:06:30	4.79	379	1.18	0.611399
11:06:31	4.79	380	1.18	0.611399

12:08:46	4.92	381	1.31	0.486989
12:08:47	4.92	382	1.31	0.486989
12:08:48	4.92	383	1.31	0.486989
12:08:49	4.92	384	1.31	0.486989
12:08:50	4.92	385	1.31	0.486989
12:08:51	4.95	386	1.34	0.498141
12:08:52	4.92	387	1.31	0.486989
12:08:53	4.92	388	1.31	0.486989
12:08:54	4.92	389	1.31	0.486989
12:08:55	4.92	390	1.31	0.486989
12:08:56	4.92	391	1.31	0.486989
12:08:57	4.92	392	1.31	0.486989
12:08:58	4.92	393	1.31	0.486989
12:08:59	4.92	394	1.31	0.486989
12:09:00	4.92	395	1.31	0.486989
12:09:01	4.92	396	1.31	0.486989
12:09:02	4.89	397	1.28	0.475836
12:09:03	4.92	398	1.31	0.486989
12:09:04	4.89	399	1.28	0.475836
12:09:05	4.92	400	1.31	0.486989
12:09:06	4.89	401	1.28	0.475836
12:09:07	4.92	402	1.31	0.486989
12:09:08	4.92	403	1.31	0.486989
12:09:09	4.89	404	1.28	0.475836
12:09:10	4.89	405	1.28	0.475836
12:09:11	4.92	406	1.31	0.486989
12:09:12	4.92	407	1.31	0.486989
12:09:13	4.89	408	1.28	0.475836
12:09:14	4.89	409	1.28	0.475836
12:09:15	4.89	410	1.28	0.475836
12:09:16	4.89	411	1.28	0.475836
12:09:17	4.89	412	1.28	0.475836
12:09:18	4.85	413	1.24	0.460967
12:09:19	4.89	414	1.28	0.475836
12:09:20	4.85	415	1.24	0.460967
12:09:21	4.85	416	1.24	0.460967
12:09:22	4.85	417	1.24	0.460967
12:09:23	4.85	418	1.24	0.460967
12:09:24	4.85	419	1.24	0.460967
12:09:25	4.85	420	1.24	0.460967
12:09:26	4.85	421	1.24	0.460967
12:09:27	4.85	422	1.24	0.460967
12:09:28	4.85	423	1.24	0.460967
12:09:29	4.85	424	1.24	0.460967
12:09:30	4.85	425	1.24	0.460967
12:09:31	4.85	426	1.24	0.460967
12:09:32	4.85	427	1.24	0.460967
12:09:33	4.85	428	1.24	0.460967
12:09:34	4.85	429	1.24	0.460967
12:09:35	4.85	430	1.24	0.460967
12:09:36	4.85	431	1.24	0.460967
12:09:37	4.85	432	1.24	0.460967
12:09:38	4.85	433	1.24	0.460967
12:09:39	4.85	434	1.24	0.460967
12:09:40	4.85	435	1.24	0.460967
12:09:41	4.85	436	1.24	0.460967
12:09:42	4.85	437	1.24	0.460967
12:09:43	4.85	438	1.24	0.460967
12:09:44	4.85	439	1.24	0.460967
12:09:45	4.82	440	1.21	0.449814
12:09:46	4.85	441	1.24	0.460967
12:09:47	4.85	442	1.24	0.460967
12:09:48	4.85	443	1.24	0.460967
12:09:49	4.85	444	1.24	0.460967
12:09:50	4.85	445	1.24	0.460967

11:06:32	4.79	381	1.18	0.611399
11:06:33	4.79	382	1.18	0.611399
11:06:34	4.76	383	1.15	0.595855
11:06:35	4.76	384	1.15	0.595855
11:06:36	4.76	385	1.15	0.595855
11:06:37	4.72	386	1.11	0.57513
11:06:38	4.72	387	1.11	0.57513
11:06:39	4.76	388	1.15	0.595855
11:06:40	4.72	389	1.11	0.57513
11:06:41	4.76	390	1.15	0.595855
11:06:42	4.72	391	1.11	0.57513
11:06:43	4.79	392	1.18	0.611399
11:06:44	4.72	393	1.11	0.57513
11:06:45	4.79	394	1.18	0.611399
11:06:46	4.72	395	1.11	0.57513
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11:06:50	4.72	399	1.11	0.57513
11:06:51	4.72	400	1.11	0.57513
11:06:52	4.72	401	1.11	0.57513
11:06:53	4.72	402	1.11	0.57513
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11:06:56	4.72	405	1.11	0.57513
11:06:57	4.72	406	1.11	0.57513
11:06:58	4.72	407	1.11	0.57513
11:06:59	4.72	408	1.11	0.57513
11:07:00	4.72	409	1.11	0.57513
11:07:01	4.72	410	1.11	0.57513
11:07:02	4.72	411	1.11	0.57513
11:07:03	4.72	412	1.11	0.57513
11:07:04	4.72	413	1.11	0.57513
11:07:05	4.72	414	1.11	0.57513
11:07:06	4.72	415	1.11	0.57513
11:07:07	4.72	416	1.11	0.57513
11:07:08	4.72	417	1.11	0.57513
11:07:09	4.72	418	1.11	0.57513
11:07:10	4.72	419	1.11	0.57513
11:07:11	4.72	420	1.11	0.57513
11:07:12	4.72	421	1.11	0.57513
11:07:13	4.72	422	1.11	0.57513
11:07:14	4.72	423	1.11	0.57513
11:07:15	4.72	424	1.11	0.57513
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11:07:17	4.72	426	1.11	0.57513
11:07:18	4.72	427	1.11	0.57513
11:07:19	4.72	428	1.11	0.57513
11:07:20	4.72	429	1.11	0.57513
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11:07:22	4.72	431	1.11	0.57513
11:07:23	4.72	432	1.11	0.57513
11:07:24	4.72	433	1.11	0.57513
11:07:25	4.72	434	1.11	0.57513
11:07:26	4.72	435	1.11	0.57513
11:07:27	4.72	436	1.11	0.57513
11:07:28	4.72	437	1.11	0.57513
11:07:29	4.72	438	1.11	0.57513
11:07:30	4.72	439	1.11	0.57513
11:07:31	4.72	440	1.11	0.57513
11:07:32	4.72	441	1.11	0.57513
11:07:33	4.72	442	1.11	0.57513
11:07:34	4.72	443	1.11	0.57513
11:07:35	4.72	444	1.11	0.57513
11:07:36	4.72	445	1.11	0.57513

12:09:51	4.85	446	1.24	0.460967
12:09:52	4.82	447	1.21	0.449814
12:09:53	4.82	448	1.21	0.449814
12:09:54	4.82	449	1.21	0.449814
12:09:55	4.82	450	1.21	0.449814
12:09:56	4.82	451	1.21	0.449814
12:09:57	4.85	452	1.24	0.460967
12:09:58	4.82	453	1.21	0.449814
12:09:59	4.79	454	1.18	0.438662
12:10:00	4.79	455	1.18	0.438662
12:10:01	4.79	456	1.18	0.438662
12:10:02	4.79	457	1.18	0.438662
12:10:03	4.79	458	1.18	0.438662
12:10:04	4.82	459	1.21	0.449814
12:10:05	4.79	460	1.18	0.438662
12:10:06	4.79	461	1.18	0.438662
12:10:07	4.79	462	1.18	0.438662
12:10:08	4.79	463	1.18	0.438662
12:10:09	4.79	464	1.18	0.438662
12:10:10	4.79	465	1.18	0.438662
12:10:11	4.79	466	1.18	0.438662
12:10:12	4.79	467	1.18	0.438662
12:10:13	4.79	468	1.18	0.438662
12:10:14	4.79	469	1.18	0.438662
12:10:15	4.79	470	1.18	0.438662
12:10:16	4.79	471	1.18	0.438662
12:10:17	4.79	472	1.18	0.438662
12:10:18	4.79	473	1.18	0.438662
12:10:19	4.79	474	1.18	0.438662
12:10:20	4.79	475	1.18	0.438662
12:10:21	4.79	476	1.18	0.438662
12:10:22	4.79	477	1.18	0.438662
12:10:23	4.79	478	1.18	0.438662
12:10:24	4.79	479	1.18	0.438662
12:10:25	4.79	480	1.18	0.438662
12:10:26	4.79	481	1.18	0.438662
12:10:27	4.76	482	1.15	0.427509
12:10:28	4.79	483	1.18	0.438662
12:10:29	4.79	484	1.18	0.438662
12:10:30	4.79	485	1.18	0.438662
12:10:31	4.79	486	1.18	0.438662
12:10:32	4.76	487	1.15	0.427509
12:10:33	4.79	488	1.18	0.438662
12:10:34	4.76	489	1.15	0.427509
12:10:35	4.76	490	1.15	0.427509
12:10:36	4.76	491	1.15	0.427509
12:10:37	4.76	492	1.15	0.427509
12:10:38	4.76	493	1.15	0.427509
12:10:39	4.76	494	1.15	0.427509
12:10:40	4.72	495	1.11	0.412639
12:10:41	4.76	496	1.15	0.427509
12:10:42	4.72	497	1.11	0.412639
12:10:43	4.72	498	1.11	0.412639
12:10:44	4.72	499	1.11	0.412639
12:10:45	4.76	500	1.15	0.427509
12:10:46	4.72	501	1.11	0.412639
12:10:47	4.76	502	1.15	0.427509
12:10:48	4.72	503	1.11	0.412639
12:10:49	4.72	504	1.11	0.412639
12:10:50	4.72	505	1.11	0.412639
12:10:51	4.72	506	1.11	0.412639
12:10:52	4.72	507	1.11	0.412639
12:10:53	4.72	508	1.11	0.412639
12:10:54	4.72	509	1.11	0.412639
12:10:55	4.72	510	1.11	0.412639

11:07:37	4.69	446	1.08	0.559585
11:07:38	4.69	447	1.08	0.559585
11:07:39	4.69	448	1.08	0.559585
11:07:40	4.69	449	1.08	0.559585
11:07:41	4.69	450	1.08	0.559585
11:07:42	4.72	451	1.11	0.57513
11:07:43	4.69	452	1.08	0.559585
11:07:44	4.69	453	1.08	0.559585
11:07:45	4.69	454	1.08	0.559585
11:07:46	4.66	455	1.05	0.544041
11:07:47	4.66	456	1.05	0.544041
11:07:48	4.69	457	1.08	0.559585
11:07:49	4.66	458	1.05	0.544041
11:07:50	4.66	459	1.05	0.544041
11:07:51	4.66	460	1.05	0.544041
11:07:52	4.66	461	1.05	0.544041
11:07:53	4.66	462	1.05	0.544041
11:07:54	4.66	463	1.05	0.544041
11:07:55	4.66	464	1.05	0.544041
11:07:56	4.66	465	1.05	0.544041
11:07:57	4.66	466	1.05	0.544041
11:07:58	4.66	467	1.05	0.544041
11:07:59	4.66	468	1.05	0.544041
11:08:00	4.66	469	1.05	0.544041
11:08:01	4.66	470	1.05	0.544041
11:08:02	4.66	471	1.05	0.544041
11:08:03	4.66	472	1.05	0.544041
11:08:04	4.66	473	1.05	0.544041
11:08:05	4.66	474	1.05	0.544041
11:08:06	4.66	475	1.05	0.544041
11:08:07	4.66	476	1.05	0.544041
11:08:08	4.66	477	1.05	0.544041
11:08:09	4.66	478	1.05	0.544041
11:08:10	4.66	479	1.05	0.544041
11:08:11	4.66	480	1.05	0.544041
11:08:12	4.66	481	1.05	0.544041
11:08:13	4.66	482	1.05	0.544041
11:08:14	4.66	483	1.05	0.544041
11:08:15	4.66	484	1.05	0.544041
11:08:16	4.62	485	1.01	0.523316
11:08:17	4.66	486	1.05	0.544041
11:08:18	4.62	487	1.01	0.523316
11:08:19	4.66	488	1.05	0.544041
11:08:20	4.62	489	1.01	0.523316
11:08:21	4.62	490	1.01	0.523316
11:08:22	4.66	491	1.05	0.544041
11:08:23	4.66	492	1.05	0.544041
11:08:24	4.66	493	1.05	0.544041
11:08:25	4.66	494	1.05	0.544041
11:08:26	4.62	495	1.01	0.523316
11:08:27	4.66	496	1.05	0.544041
11:08:28	4.66	497	1.05	0.544041
11:08:29	4.62	498	1.01	0.523316
11:08:30	4.62	499	1.01	0.523316
11:08:31	4.59	500	0.98	0.507772
11:08:32	4.59	501	0.98	0.507772
11:08:33	4.59	502	0.98	0.507772
11:08:34	4.59	503	0.98	0.507772
11:08:35	4.59	504	0.98	0.507772
11:08:36	4.59	505	0.98	0.507772
11:08:37	4.59	506	0.98	0.507772
11:08:38	4.59	507	0.98	0.507772
11:08:39	4.59	508	0.98	0.507772
11:08:40	4.59	509	0.98	0.507772
11:08:41	4.59	510	0.98	0.507772

12:10:56	4.72	511	1.11	0.412639
12:10:57	4.72	512	1.11	0.412639
12:10:58	4.72	513	1.11	0.412639
12:10:59	4.72	514	1.11	0.412639
12:11:00	4.72	515	1.11	0.412639
12:11:01	4.72	516	1.11	0.412639
12:11:02	4.72	517	1.11	0.412639
12:11:03	4.72	518	1.11	0.412639
12:11:04	4.72	519	1.11	0.412639
12:11:05	4.72	520	1.11	0.412639
12:11:06	4.72	521	1.11	0.412639
12:11:07	4.72	522	1.11	0.412639
12:11:08	4.72	523	1.11	0.412639
12:11:09	4.72	524	1.11	0.412639
12:11:10	4.72	525	1.11	0.412639
12:11:11	4.72	526	1.11	0.412639
12:11:12	4.72	527	1.11	0.412639
12:11:13	4.72	528	1.11	0.412639
12:11:14	4.72	529	1.11	0.412639
12:11:15	4.72	530	1.11	0.412639
12:11:16	4.72	531	1.11	0.412639
12:11:17	4.72	532	1.11	0.412639
12:11:18	4.72	533	1.11	0.412639
12:11:19	4.69	534	1.08	0.401487
12:11:20	4.72	535	1.11	0.412639
12:11:21	4.69	536	1.08	0.401487
12:11:22	4.72	537	1.11	0.412639
12:11:23	4.72	538	1.11	0.412639
12:11:24	4.72	539	1.11	0.412639
12:11:25	4.69	540	1.08	0.401487
12:11:26	4.72	541	1.11	0.412639
12:11:27	4.69	542	1.08	0.401487
12:11:28	4.69	543	1.08	0.401487
12:11:29	4.69	544	1.08	0.401487
12:11:30	4.72	545	1.11	0.412639
12:11:31	4.69	546	1.08	0.401487
12:11:32	4.69	547	1.08	0.401487
12:11:33	4.66	548	1.05	0.390335
12:11:34	4.69	549	1.08	0.401487
12:11:35	4.72	550	1.11	0.412639
12:11:36	4.69	551	1.08	0.401487
12:11:37	4.69	552	1.08	0.401487
12:11:38	4.69	553	1.08	0.401487
12:11:39	4.69	554	1.08	0.401487
12:11:40	4.66	555	1.05	0.390335
12:11:41	4.66	556	1.05	0.390335
12:11:42	4.66	557	1.05	0.390335
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12:11:47	4.66	562	1.05	0.390335
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12:11:54	4.66	569	1.05	0.390335
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12:11:57	4.66	572	1.05	0.390335
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12:11:59	4.66	574	1.05	0.390335
12:12:00	4.66	575	1.05	0.390335

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11:08:43	4.59	512	0.98	0.507772
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11:08:50	4.59	519	0.98	0.507772
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11:09:00	4.59	529	0.98	0.507772
11:09:01	4.59	530	0.98	0.507772
11:09:02	4.59	531	0.98	0.507772
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11:09:05	4.59	534	0.98	0.507772
11:09:06	4.59	535	0.98	0.507772
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11:09:13	4.59	542	0.98	0.507772
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11:09:18	4.59	547	0.98	0.507772
11:09:19	4.59	548	0.98	0.507772
11:09:20	4.56	549	0.95	0.492228
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11:09:26	4.56	555	0.95	0.492228
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11:09:28	4.56	557	0.95	0.492228
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11:09:30	4.56	559	0.95	0.492228
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11:09:32	4.56	561	0.95	0.492228
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11:09:34	4.56	563	0.95	0.492228
11:09:35	4.53	564	0.92	0.476684
11:09:36	4.59	565	0.98	0.507772
11:09:37	4.53	566	0.92	0.476684
11:09:38	4.56	567	0.95	0.492228
11:09:39	4.56	568	0.95	0.492228
11:09:40	4.53	569	0.92	0.476684
11:09:41	4.53	570	0.92	0.476684
11:09:42	4.56	571	0.95	0.492228
11:09:43	4.53	572	0.92	0.476684
11:09:44	4.53	573	0.92	0.476684
11:09:45	4.53	574	0.92	0.476684
11:09:46	4.56	575	0.95	0.492228

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12:12:05	4.66	580	1.05	0.390335
12:12:06	4.62	581	1.01	0.375465
12:12:07	4.66	582	1.05	0.390335
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11:09:50	4.53	579	0.92	0.476684
11:09:51	4.53	580	0.92	0.476684
11:09:52	4.53	581	0.92	0.476684
11:09:53	4.53	582	0.92	0.476684
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11:10:00	4.53	589	0.92	0.476684
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11:10:05	4.53	594	0.92	0.476684
11:10:06	4.53	595	0.92	0.476684
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11:10:09	4.53	598	0.92	0.476684
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11:10:13	4.49	602	0.88	0.455959
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11:10:15	4.53	604	0.92	0.476684
11:10:16	4.46	605	0.85	0.440415
11:10:17	4.49	606	0.88	0.455959
11:10:18	4.46	607	0.85	0.440415
11:10:19	4.53	608	0.92	0.476684
11:10:20	4.53	609	0.92	0.476684
11:10:21	4.49	610	0.88	0.455959
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11:10:23	4.49	612	0.88	0.455959
11:10:24	4.53	613	0.92	0.476684
11:10:25	4.49	614	0.88	0.455959
11:10:26	4.46	615	0.85	0.440415
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11:10:28	4.46	617	0.85	0.440415
11:10:29	4.46	618	0.85	0.440415
11:10:30	4.49	619	0.88	0.455959
11:10:31	4.49	620	0.88	0.455959
11:10:32	4.46	621	0.85	0.440415
11:10:33	4.46	622	0.85	0.440415
11:10:34	4.46	623	0.85	0.440415
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11:10:36	4.46	625	0.85	0.440415
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11:10:38	4.46	627	0.85	0.440415
11:10:39	4.46	628	0.85	0.440415
11:10:40	4.46	629	0.85	0.440415
11:10:41	4.46	630	0.85	0.440415
11:10:42	4.46	631	0.85	0.440415
11:10:43	4.46	632	0.85	0.440415
11:10:44	4.46	633	0.85	0.440415
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11:10:47	4.46	636	0.85	0.440415
11:10:48	4.46	637	0.85	0.440415
11:10:49	4.46	638	0.85	0.440415
11:10:50	4.46	639	0.85	0.440415
11:10:51	4.46	640	0.85	0.440415

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12:13:07	4.59	642	0.98	0.364312
12:13:08	4.53	643	0.92	0.342007
12:13:09	4.53	644	0.92	0.342007
12:13:10	4.59	645	0.98	0.364312
12:13:11	4.53	646	0.92	0.342007
12:13:12	4.53	647	0.92	0.342007
12:13:13	4.53	648	0.92	0.342007
12:13:14	4.56	649	0.95	0.35316
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12:13:18	4.53	653	0.92	0.342007
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12:13:27	4.53	662	0.92	0.342007
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12:13:29	4.53	664	0.92	0.342007
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12:13:32	4.53	667	0.92	0.342007
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12:13:36	4.53	671	0.92	0.342007
12:13:37	4.53	672	0.92	0.342007
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12:13:41	4.53	676	0.92	0.342007
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12:13:56	4.49	691	0.88	0.327138
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12:13:58	4.49	693	0.88	0.327138
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12:14:00	4.49	695	0.88	0.327138
12:14:01	4.46	696	0.85	0.315985
12:14:02	4.49	697	0.88	0.327138
12:14:03	4.46	698	0.85	0.315985
12:14:04	4.46	699	0.85	0.315985
12:14:05	4.46	700	0.85	0.315985
12:14:06	4.46	701	0.85	0.315985
12:14:07	4.49	702	0.88	0.327138
12:14:08	4.53	703	0.92	0.342007
12:14:09	4.49	704	0.88	0.327138
12:14:10	4.49	705	0.88	0.327138

11:10:52	4.46	641	0.85	0.440415
11:10:53	4.46	642	0.85	0.440415
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11:10:58	4.46	647	0.85	0.440415
11:10:59	4.46	648	0.85	0.440415
11:11:00	4.46	649	0.85	0.440415
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11:11:19	4.46	668	0.85	0.440415
11:11:20	4.46	669	0.85	0.440415
11:11:21	4.46	670	0.85	0.440415
11:11:22	4.46	671	0.85	0.440415
11:11:23	4.46	672	0.85	0.440415
11:11:24	4.46	673	0.85	0.440415
11:11:25	4.43	674	0.82	0.42487
11:11:26	4.46	675	0.85	0.440415
11:11:27	4.46	676	0.85	0.440415
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11:11:29	4.46	678	0.85	0.440415
11:11:30	4.46	679	0.85	0.440415
11:11:31	4.46	680	0.85	0.440415
11:11:32	4.46	681	0.85	0.440415
11:11:33	4.46	682	0.85	0.440415
11:11:34	4.46	683	0.85	0.440415
11:11:35	4.46	684	0.85	0.440415
11:11:36	4.46	685	0.85	0.440415
11:11:37	4.43	686	0.82	0.42487
11:11:38	4.46	687	0.85	0.440415
11:11:39	4.46	688	0.85	0.440415
11:11:40	4.46	689	0.85	0.440415
11:11:41	4.46	690	0.85	0.440415
11:11:42	4.43	691	0.82	0.42487
11:11:43	4.43	692	0.82	0.42487
11:11:44	4.46	693	0.85	0.440415
11:11:45	4.43	694	0.82	0.42487
11:11:46	4.43	695	0.82	0.42487
11:11:47	4.43	696	0.82	0.42487
11:11:48	4.46	697	0.85	0.440415
11:11:49	4.46	698	0.85	0.440415
11:11:50	4.43	699	0.82	0.42487
11:11:51	4.43	700	0.82	0.42487
11:11:52	4.46	701	0.85	0.440415
11:11:53	4.43	702	0.82	0.42487
11:11:54	4.46	703	0.85	0.440415
11:11:55	4.43	704	0.82	0.42487
11:11:56	4.43	705	0.82	0.42487

12:14:11	4.49	706	0.88	0.327138
12:14:12	4.46	707	0.85	0.315985
12:14:13	4.46	708	0.85	0.315985
12:14:14	4.46	709	0.85	0.315985
12:14:15	4.46	710	0.85	0.315985
12:14:16	4.46	711	0.85	0.315985
12:14:17	4.49	712	0.88	0.327138
12:14:18	4.46	713	0.85	0.315985
12:14:19	4.49	714	0.88	0.327138
12:14:20	4.46	715	0.85	0.315985
12:14:21	4.46	716	0.85	0.315985
12:14:22	4.46	717	0.85	0.315985
12:14:23	4.49	718	0.88	0.327138
12:14:24	4.46	719	0.85	0.315985
12:14:25	4.46	720	0.85	0.315985
12:14:26	4.46	721	0.85	0.315985
12:14:27	4.46	722	0.85	0.315985
12:14:28	4.46	723	0.85	0.315985
12:14:29	4.46	724	0.85	0.315985
12:14:30	4.46	725	0.85	0.315985
12:14:31	4.46	726	0.85	0.315985
12:14:32	4.46	727	0.85	0.315985
12:14:33	4.46	728	0.85	0.315985
12:14:34	4.46	729	0.85	0.315985
12:14:35	4.46	730	0.85	0.315985
12:14:36	4.46	731	0.85	0.315985
12:14:37	4.46	732	0.85	0.315985
12:14:38	4.46	733	0.85	0.315985
12:14:39	4.46	734	0.85	0.315985
12:14:40	4.46	735	0.85	0.315985
12:14:41	4.46	736	0.85	0.315985
12:14:42	4.46	737	0.85	0.315985
12:14:43	4.46	738	0.85	0.315985
12:14:44	4.46	739	0.85	0.315985
12:14:45	4.46	740	0.85	0.315985
12:14:46	4.46	741	0.85	0.315985
12:14:47	4.46	742	0.85	0.315985
12:14:48	4.46	743	0.85	0.315985
12:14:49	4.46	744	0.85	0.315985
12:14:50	4.46	745	0.85	0.315985
12:14:51	4.46	746	0.85	0.315985
12:14:52	4.46	747	0.85	0.315985
12:14:53	4.46	748	0.85	0.315985
12:14:54	4.46	749	0.85	0.315985
12:14:55	4.46	750	0.85	0.315985
12:14:56	4.46	751	0.85	0.315985
12:14:57	4.46	752	0.85	0.315985
12:14:58	4.46	753	0.85	0.315985
12:14:59	4.46	754	0.85	0.315985
12:15:00	4.46	755	0.85	0.315985
12:15:01	4.46	756	0.85	0.315985
12:15:02	4.46	757	0.85	0.315985
12:15:03	4.46	758	0.85	0.315985
12:15:04	4.46	759	0.85	0.315985
12:15:05	4.46	760	0.85	0.315985
12:15:06	4.46	761	0.85	0.315985
12:15:07	4.46	762	0.85	0.315985
12:15:08	4.46	763	0.85	0.315985
12:15:09	4.43	764	0.82	0.304833
12:15:10	4.46	765	0.85	0.315985
12:15:11	4.46	766	0.85	0.315985
12:15:12	4.43	767	0.82	0.304833
12:15:13	4.46	768	0.85	0.315985
12:15:14	4.46	769	0.85	0.315985
12:15:15	4.43	770	0.82	0.304833

11:11:57	4.43	706	0.82	0.42487
11:11:58	4.43	707	0.82	0.42487
11:11:59	4.43	708	0.82	0.42487
11:12:00	4.4	709	0.79	0.409326
11:12:01	4.4	710	0.79	0.409326
11:12:02	4.43	711	0.82	0.42487
11:12:03	4.43	712	0.82	0.42487
11:12:04	4.4	713	0.79	0.409326
11:12:05	4.4	714	0.79	0.409326
11:12:06	4.4	715	0.79	0.409326
11:12:07	4.4	716	0.79	0.409326
11:12:08	4.4	717	0.79	0.409326
11:12:09	4.4	718	0.79	0.409326
11:12:10	4.4	719	0.79	0.409326
11:12:11	4.4	720	0.79	0.409326
11:12:12	4.4	721	0.79	0.409326
11:12:13	4.4	722	0.79	0.409326
11:12:14	4.4	723	0.79	0.409326
11:12:15	4.4	724	0.79	0.409326
11:12:16	4.4	725	0.79	0.409326
11:12:17	4.4	726	0.79	0.409326
11:12:18	4.4	727	0.79	0.409326
11:12:19	4.4	728	0.79	0.409326
11:12:20	4.4	729	0.79	0.409326
11:12:21	4.4	730	0.79	0.409326
11:12:22	4.4	731	0.79	0.409326
11:12:23	4.4	732	0.79	0.409326
11:12:24	4.4	733	0.79	0.409326
11:12:25	4.4	734	0.79	0.409326
11:12:26	4.4	735	0.79	0.409326
11:12:27	4.4	736	0.79	0.409326
11:12:28	4.4	737	0.79	0.409326
11:12:29	4.4	738	0.79	0.409326
11:12:30	4.4	739	0.79	0.409326
11:12:31	4.4	740	0.79	0.409326
11:12:32	4.4	741	0.79	0.409326
11:12:33	4.4	742	0.79	0.409326
11:12:34	4.4	743	0.79	0.409326
11:12:35	4.4	744	0.79	0.409326
11:12:36	4.4	745	0.79	0.409326
11:12:37	4.4	746	0.79	0.409326
11:12:38	4.4	747	0.79	0.409326
11:12:39	4.4	748	0.79	0.409326
11:12:40	4.36	749	0.75	0.388601
11:12:41	4.36	750	0.75	0.388601
11:12:42	4.4	751	0.79	0.409326
11:12:43	4.4	752	0.79	0.409326
11:12:44	4.4	753	0.79	0.409326
11:12:45	4.4	754	0.79	0.409326
11:12:46	4.4	755	0.79	0.409326
11:12:47	4.4	756	0.79	0.409326
11:12:48	4.4	757	0.79	0.409326
11:12:49	4.36	758	0.75	0.388601
11:12:50	4.4	759	0.79	0.409326
11:12:51	4.4	760	0.79	0.409326
11:12:52	4.4	761	0.79	0.409326
11:12:53	4.36	762	0.75	0.388601
11:12:54	4.36	763	0.75	0.388601
11:12:55	4.36	764	0.75	0.388601
11:12:56	4.36	765	0.75	0.388601
11:12:57	4.36	766	0.75	0.388601
11:12:58	4.36	767	0.75	0.388601
11:12:59	4.4	768	0.79	0.409326
11:13:00	4.4	769	0.79	0.409326
11:13:01	4.36	770	0.75	0.388601

12:15:16	4.43	771	0.82	0.304833
12:15:17	4.43	772	0.82	0.304833
12:15:18	4.43	773	0.82	0.304833
12:15:19	4.43	774	0.82	0.304833
12:15:20	4.46	775	0.85	0.315985
12:15:21	4.43	776	0.82	0.304833
12:15:22	4.46	777	0.85	0.315985
12:15:23	4.43	778	0.82	0.304833
12:15:24	4.46	779	0.85	0.315985
12:15:25	4.43	780	0.82	0.304833
12:15:26	4.43	781	0.82	0.304833
12:15:27	4.43	782	0.82	0.304833
12:15:28	4.43	783	0.82	0.304833
12:15:29	4.43	784	0.82	0.304833
12:15:30	4.43	785	0.82	0.304833
12:15:31	4.43	786	0.82	0.304833
12:15:32	4.43	787	0.82	0.304833
12:15:33	4.4	788	0.79	0.29368
12:15:34	4.43	789	0.82	0.304833
12:15:35	4.4	790	0.79	0.29368
12:15:36	4.46	791	0.85	0.315985
12:15:37	4.4	792	0.79	0.29368
12:15:38	4.43	793	0.82	0.304833
12:15:39	4.4	794	0.79	0.29368
12:15:40	4.43	795	0.82	0.304833
12:15:41	4.4	796	0.79	0.29368
12:15:42	4.4	797	0.79	0.29368
12:15:43	4.4	798	0.79	0.29368
12:15:44	4.43	799	0.82	0.304833
12:15:45	4.4	800	0.79	0.29368
12:15:46	4.4	801	0.79	0.29368
12:15:47	4.4	802	0.79	0.29368
12:15:48	4.4	803	0.79	0.29368
12:15:49	4.4	804	0.79	0.29368
12:15:50	4.4	805	0.79	0.29368
12:15:51	4.4	806	0.79	0.29368
12:15:52	4.4	807	0.79	0.29368
12:15:53	4.4	808	0.79	0.29368
12:15:54	4.4	809	0.79	0.29368
12:15:55	4.4	810	0.79	0.29368
12:15:56	4.4	811	0.79	0.29368
12:15:57	4.4	812	0.79	0.29368
12:15:58	4.4	813	0.79	0.29368
12:15:59	4.4	814	0.79	0.29368
12:16:00	4.4	815	0.79	0.29368
12:16:01	4.4	816	0.79	0.29368
12:16:02	4.4	817	0.79	0.29368
12:16:03	4.4	818	0.79	0.29368
12:16:04	4.4	819	0.79	0.29368
12:16:05	4.4	820	0.79	0.29368
12:16:06	4.4	821	0.79	0.29368
12:16:07	4.4	822	0.79	0.29368
12:16:08	4.4	823	0.79	0.29368
12:16:09	4.4	824	0.79	0.29368
12:16:10	4.4	825	0.79	0.29368
12:16:11	4.4	826	0.79	0.29368
12:16:12	4.36	827	0.75	0.27881
12:16:13	4.4	828	0.79	0.29368
12:16:14	4.4	829	0.79	0.29368
12:16:15	4.4	830	0.79	0.29368
12:16:16	4.36	831	0.75	0.27881
12:16:17	4.4	832	0.79	0.29368
12:16:18	4.4	833	0.79	0.29368
12:16:19	4.36	834	0.75	0.27881
12:16:20	4.36	835	0.75	0.27881

11:13:02	4.36	771	0.75	0.388601
11:13:03	4.36	772	0.75	0.388601
11:13:04	4.36	773	0.75	0.388601
11:13:05	4.36	774	0.75	0.388601
11:13:06	4.36	775	0.75	0.388601
11:13:07	4.36	776	0.75	0.388601
11:13:08	4.33	777	0.72	0.373057
11:13:09	4.33	778	0.72	0.373057
11:13:10	4.33	779	0.72	0.373057
11:13:11	4.33	780	0.72	0.373057
11:13:12	4.36	781	0.75	0.388601
11:13:13	4.36	782	0.75	0.388601
11:13:14	4.36	783	0.75	0.388601
11:13:15	4.33	784	0.72	0.373057
11:13:16	4.33	785	0.72	0.373057
11:13:17	4.33	786	0.72	0.373057
11:13:18	4.33	787	0.72	0.373057
11:13:19	4.33	788	0.72	0.373057
11:13:20	4.33	789	0.72	0.373057
11:13:21	4.33	790	0.72	0.373057
11:13:22	4.33	791	0.72	0.373057
11:13:23	4.33	792	0.72	0.373057
11:13:24	4.33	793	0.72	0.373057
11:13:25	4.33	794	0.72	0.373057
11:13:26	4.33	795	0.72	0.373057
11:13:27	4.33	796	0.72	0.373057
11:13:28	4.33	797	0.72	0.373057
11:13:29	4.33	798	0.72	0.373057
11:13:30	4.33	799	0.72	0.373057
11:13:31	4.33	800	0.72	0.373057
11:13:32	4.33	801	0.72	0.373057
11:13:33	4.33	802	0.72	0.373057
11:13:34	4.33	803	0.72	0.373057
11:13:35	4.33	804	0.72	0.373057
11:13:36	4.33	805	0.72	0.373057
11:13:37	4.33	806	0.72	0.373057
11:13:38	4.33	807	0.72	0.373057
11:13:39	4.33	808	0.72	0.373057
11:13:40	4.33	809	0.72	0.373057
11:13:41	4.33	810	0.72	0.373057
11:13:42	4.33	811	0.72	0.373057
11:13:43	4.33	812	0.72	0.373057
11:13:44	4.33	813	0.72	0.373057
11:13:45	4.33	814	0.72	0.373057
11:13:46	4.33	815	0.72	0.373057
11:13:47	4.33	816	0.72	0.373057
11:13:48	4.33	817	0.72	0.373057
11:13:49	4.33	818	0.72	0.373057
11:13:50	4.33	819	0.72	0.373057
11:13:51	4.33	820	0.72	0.373057
11:13:52	4.33	821	0.72	0.373057
11:13:53	4.33	822	0.72	0.373057
11:13:54	4.33	823	0.72	0.373057
11:13:55	4.33	824	0.72	0.373057
11:13:56	4.33	825	0.72	0.373057
11:13:57	4.33	826	0.72	0.373057
11:13:58	4.33	827	0.72	0.373057
11:13:59	4.33	828	0.72	0.373057
11:14:00	4.33	829	0.72	0.373057
11:14:01	4.33	830	0.72	0.373057
11:14:02	4.33	831	0.72	0.373057
11:14:03	4.33	832	0.72	0.373057
11:14:04	4.33	833	0.72	0.373057
11:14:05	4.3	834	0.69	0.357513
11:14:06	4.33	835	0.72	0.373057

12:16:21	4.4	836	0.79	0.29368
12:16:22	4.4	837	0.79	0.29368
12:16:23	4.4	838	0.79	0.29368
12:16:24	4.4	839	0.79	0.29368
12:16:25	4.36	840	0.75	0.27881
12:16:26	4.33	841	0.72	0.267658
12:16:27	4.4	842	0.79	0.29368
12:16:28	4.36	843	0.75	0.27881
12:16:29	4.4	844	0.79	0.29368
12:16:30	4.36	845	0.75	0.27881
12:16:31	4.36	846	0.75	0.27881
12:16:32	4.4	847	0.79	0.29368
12:16:33	4.33	848	0.72	0.267658
12:16:34	4.4	849	0.79	0.29368
12:16:35	4.36	850	0.75	0.27881
12:16:36	4.36	851	0.75	0.27881
12:16:37	4.4	852	0.79	0.29368
12:16:38	4.33	853	0.72	0.267658
12:16:39	4.36	854	0.75	0.27881
12:16:40	4.36	855	0.75	0.27881
12:16:41	4.36	856	0.75	0.27881
12:16:42	4.36	857	0.75	0.27881
12:16:43	4.36	858	0.75	0.27881
12:16:44	4.33	859	0.72	0.267658
12:16:45	4.36	860	0.75	0.27881
12:16:46	4.33	861	0.72	0.267658
12:16:47	4.33	862	0.72	0.267658
12:16:48	4.33	863	0.72	0.267658
12:16:49	4.33	864	0.72	0.267658
12:16:50	4.33	865	0.72	0.267658
12:16:51	4.33	866	0.72	0.267658
12:16:52	4.33	867	0.72	0.267658
12:16:53	4.33	868	0.72	0.267658
12:16:54	4.36	869	0.75	0.27881
12:16:55	4.33	870	0.72	0.267658
12:16:56	4.33	871	0.72	0.267658
12:16:57	4.33	872	0.72	0.267658
12:16:58	4.33	873	0.72	0.267658
12:16:59	4.33	874	0.72	0.267658
12:17:00	4.33	875	0.72	0.267658
12:17:01	4.33	876	0.72	0.267658
12:17:02	4.33	877	0.72	0.267658
12:17:03	4.33	878	0.72	0.267658
12:17:04	4.33	879	0.72	0.267658
12:17:05	4.33	880	0.72	0.267658
12:17:06	4.33	881	0.72	0.267658
12:17:07	4.33	882	0.72	0.267658
12:17:08	4.33	883	0.72	0.267658
12:17:09	4.33	884	0.72	0.267658
12:17:10	4.33	885	0.72	0.267658
12:17:11	4.33	886	0.72	0.267658
12:17:12	4.33	887	0.72	0.267658
12:17:13	4.33	888	0.72	0.267658
12:17:14	4.33	889	0.72	0.267658
12:17:15	4.33	890	0.72	0.267658
12:17:16	4.33	891	0.72	0.267658
12:17:17	4.33	892	0.72	0.267658
12:17:18	4.33	893	0.72	0.267658
12:17:19	4.33	894	0.72	0.267658
12:17:20	4.33	895	0.72	0.267658
12:17:21	4.33	896	0.72	0.267658
12:17:22	4.33	897	0.72	0.267658
12:17:23	4.33	898	0.72	0.267658
12:17:24	4.33	899	0.72	0.267658
12:17:25	4.33	900	0.72	0.267658

11:14:07	4.33	836	0.72	0.373057
11:14:08	4.33	837	0.72	0.373057
11:14:09	4.33	838	0.72	0.373057
11:14:10	4.33	839	0.72	0.373057
11:14:11	4.33	840	0.72	0.373057
11:14:12	4.33	841	0.72	0.373057
11:14:13	4.3	842	0.69	0.357513
11:14:14	4.33	843	0.72	0.373057
11:14:15	4.3	844	0.69	0.357513
11:14:16	4.33	845	0.72	0.373057
11:14:17	4.3	846	0.69	0.357513
11:14:18	4.33	847	0.72	0.373057
11:14:19	4.33	848	0.72	0.373057
11:14:20	4.33	849	0.72	0.373057
11:14:21	4.3	850	0.69	0.357513
11:14:22	4.33	851	0.72	0.373057
11:14:23	4.33	852	0.72	0.373057
11:14:24	4.3	853	0.69	0.357513
11:14:25	4.33	854	0.72	0.373057
11:14:26	4.3	855	0.69	0.357513
11:14:27	4.3	856	0.69	0.357513
11:14:28	4.3	857	0.69	0.357513
11:14:29	4.3	858	0.69	0.357513
11:14:30	4.33	859	0.72	0.373057
11:14:31	4.3	860	0.69	0.357513
11:14:32	4.33	861	0.72	0.373057
11:14:33	4.26	862	0.65	0.336788
11:14:34	4.33	863	0.72	0.373057
11:14:35	4.3	864	0.69	0.357513
11:14:36	4.3	865	0.69	0.357513
11:14:37	4.3	866	0.69	0.357513
11:14:38	4.3	867	0.69	0.357513
11:14:39	4.3	868	0.69	0.357513
11:14:40	4.33	869	0.72	0.373057
11:14:41	4.3	870	0.69	0.357513
11:14:42	4.3	871	0.69	0.357513
11:14:43	4.3	872	0.69	0.357513
11:14:44	4.33	873	0.72	0.373057
11:14:45	4.3	874	0.69	0.357513
11:14:46	4.26	875	0.65	0.336788
11:14:47	4.3	876	0.69	0.357513
11:14:48	4.26	877	0.65	0.336788
11:14:49	4.26	878	0.65	0.336788
11:14:50	4.26	879	0.65	0.336788
11:14:51	4.3	880	0.69	0.357513
11:14:52	4.26	881	0.65	0.336788
11:14:53	4.26	882	0.65	0.336788
11:14:54	4.3	883	0.69	0.357513
11:14:55	4.26	884	0.65	0.336788
11:14:56	4.26	885	0.65	0.336788
11:14:57	4.3	886	0.69	0.357513
11:14:58	4.3	887	0.69	0.357513
11:14:59	4.26	888	0.65	0.336788
11:15:00	4.3	889	0.69	0.357513
11:15:01	4.26	890	0.65	0.336788
11:15:02	4.26	891	0.65	0.336788
11:15:03	4.26	892	0.65	0.336788
11:15:04	4.26	893	0.65	0.336788
11:15:05	4.26	894	0.65	0.336788
11:15:06	4.26	895	0.65	0.336788
11:15:07	4.26	896	0.65	0.336788
11:15:08	4.26	897	0.65	0.336788
11:15:09	4.26	898	0.65	0.336788
11:15:10	4.26	899	0.65	0.336788
11:15:11	4.26	900	0.65	0.336788

12:17:26	4.33	901	0.72	0.267658
12:17:27	4.33	902	0.72	0.267658
12:17:28	4.33	903	0.72	0.267658
12:17:29	4.33	904	0.72	0.267658
12:17:30	4.33	905	0.72	0.267658
12:17:31	4.33	906	0.72	0.267658
12:17:32	4.33	907	0.72	0.267658
12:17:33	4.33	908	0.72	0.267658
12:17:34	4.33	909	0.72	0.267658
12:17:35	4.33	910	0.72	0.267658
12:17:36	4.33	911	0.72	0.267658
12:17:37	4.33	912	0.72	0.267658
12:17:38	4.33	913	0.72	0.267658
12:17:39	4.33	914	0.72	0.267658
12:17:40	4.33	915	0.72	0.267658
12:17:41	4.33	916	0.72	0.267658
12:17:42	4.33	917	0.72	0.267658
12:17:43	4.33	918	0.72	0.267658
12:17:44	4.33	919	0.72	0.267658
12:17:45	4.33	920	0.72	0.267658
12:17:46	4.33	921	0.72	0.267658
12:17:47	4.33	922	0.72	0.267658
12:17:48	4.33	923	0.72	0.267658
12:17:49	4.33	924	0.72	0.267658
12:17:50	4.33	925	0.72	0.267658
12:17:51	4.33	926	0.72	0.267658
12:17:52	4.33	927	0.72	0.267658
12:17:53	4.3	928	0.69	0.256506
12:17:54	4.33	929	0.72	0.267658
12:17:55	4.33	930	0.72	0.267658
12:17:56	4.33	931	0.72	0.267658
12:17:57	4.3	932	0.69	0.256506
12:17:58	4.3	933	0.69	0.256506
12:17:59	4.3	934	0.69	0.256506
12:18:00	4.33	935	0.72	0.267658
12:18:01	4.33	936	0.72	0.267658
12:18:02	4.3	937	0.69	0.256506
12:18:03	4.33	938	0.72	0.267658
12:18:04	4.3	939	0.69	0.256506
12:18:05	4.33	940	0.72	0.267658
12:18:06	4.33	941	0.72	0.267658
12:18:07	4.33	942	0.72	0.267658
12:18:08	4.33	943	0.72	0.267658
12:18:09	4.33	944	0.72	0.267658
12:18:10	4.33	945	0.72	0.267658
12:18:11	4.33	946	0.72	0.267658
12:18:12	4.33	947	0.72	0.267658
12:18:13	4.3	948	0.69	0.256506
12:18:14	4.33	949	0.72	0.267658
12:18:15	4.33	950	0.72	0.267658
12:18:16	4.3	951	0.69	0.256506
12:18:17	4.33	952	0.72	0.267658
12:18:18	4.33	953	0.72	0.267658
12:18:19	4.33	954	0.72	0.267658
12:18:20	4.33	955	0.72	0.267658
12:18:21	4.3	956	0.69	0.256506
12:18:22	4.3	957	0.69	0.256506
12:18:23	4.3	958	0.69	0.256506
12:18:24	4.33	959	0.72	0.267658
12:18:25	4.3	960	0.69	0.256506
12:18:26	4.3	961	0.69	0.256506
12:18:27	4.3	962	0.69	0.256506
12:18:28	4.26	963	0.65	0.241636
12:18:29	4.3	964	0.69	0.256506
12:18:30	4.3	965	0.69	0.256506

11:15:12	4.26	901	0.65	0.336788
11:15:13	4.26	902	0.65	0.336788
11:15:14	4.26	903	0.65	0.336788
11:15:15	4.26	904	0.65	0.336788
11:15:16	4.26	905	0.65	0.336788
11:15:17	4.26	906	0.65	0.336788
11:15:18	4.26	907	0.65	0.336788
11:15:19	4.26	908	0.65	0.336788
11:15:20	4.26	909	0.65	0.336788
11:15:21	4.26	910	0.65	0.336788
11:15:22	4.26	911	0.65	0.336788
11:15:23	4.26	912	0.65	0.336788
11:15:24	4.26	913	0.65	0.336788
11:15:25	4.26	914	0.65	0.336788
11:15:26	4.26	915	0.65	0.336788
11:15:27	4.26	916	0.65	0.336788
11:15:28	4.26	917	0.65	0.336788
11:15:29	4.26	918	0.65	0.336788
11:15:30	4.26	919	0.65	0.336788
11:15:31	4.26	920	0.65	0.336788
11:15:32	4.26	921	0.65	0.336788
11:15:33	4.23	922	0.62	0.321244
11:15:34	4.26	923	0.65	0.336788
11:15:35	4.26	924	0.65	0.336788
11:15:36	4.23	925	0.62	0.321244
11:15:37	4.23	926	0.62	0.321244
11:15:38	4.26	927	0.65	0.336788
11:15:39	4.26	928	0.65	0.336788
11:15:40	4.26	929	0.65	0.336788
11:15:41	4.26	930	0.65	0.336788
11:15:42	4.26	931	0.65	0.336788
11:15:43	4.26	932	0.65	0.336788
11:15:44	4.26	933	0.65	0.336788
11:15:45	4.26	934	0.65	0.336788
11:15:46	4.23	935	0.62	0.321244
11:15:47	4.26	936	0.65	0.336788
11:15:48	4.26	937	0.65	0.336788
11:15:49	4.26	938	0.65	0.336788
11:15:50	4.23	939	0.62	0.321244
11:15:51	4.23	940	0.62	0.321244
11:15:52	4.26	941	0.65	0.336788
11:15:53	4.26	942	0.65	0.336788
11:15:54	4.2	943	0.59	0.305699
11:15:55	4.26	944	0.65	0.336788
11:15:56	4.23	945	0.62	0.321244
11:15:57	4.26	946	0.65	0.336788
11:15:58	4.26	947	0.65	0.336788
11:15:59	4.23	948	0.62	0.321244
11:16:00	4.26	949	0.65	0.336788
11:16:01	4.23	950	0.62	0.321244
11:16:02	4.23	951	0.62	0.321244
11:16:03	4.23	952	0.62	0.321244
11:16:04	4.23	953	0.62	0.321244
11:16:05	4.23	954	0.62	0.321244
11:16:06	4.23	955	0.62	0.321244
11:16:07	4.23	956	0.62	0.321244
11:16:08	4.23	957	0.62	0.321244
11:16:09	4.2	958	0.59	0.305699
11:16:10	4.2	959	0.59	0.305699
11:16:11	4.2	960	0.59	0.305699
11:16:12	4.23	961	0.62	0.321244
11:16:13	4.26	962	0.65	0.336788
11:16:14	4.23	963	0.62	0.321244
11:16:15	4.23	964	0.62	0.321244
11:16:16	4.23	965	0.62	0.321244