Test #: 1053 CBD

Date: 5/9/94

Test cycle results

CO (g/mi) =	2.92
CO2 (g/mi) =	689.30
NOx (g/mi) =	8.90

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT_INL1	FT_INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
09:32:31	102.69	3.27	390.23	97.68	62.27	73.67	679.32							
09:32:32	102.69	3.32	389.74	96.46	61.05	73.91	679.32	20.9936	21.9390	0.1131	0.0012	0.0077	0.6175	0.0000
09:32:33	102.69	3.32	389.74	96.46	61.05	73.91	679.32	20.6731	21.6164	0.1131	0.0024	0.0153	1.2339	0.0001
09:32:34	102.69	3.34	389.74	95.24	59.83	73.91	680.85	20.6731	21.6164	0.1131	0.0037	0.0229	1.8503	0.0001
09:32:35	102.69	3.37	389.74	94.02	62.27	73.91	683.39	20.3526	21.2890	0.0000	0.0049	0.0303	2.4624	0.0001
09:32:36	102.69	3.42	390.23	97.68	70.82	73.43	681.86	20.5128	21.4633	0.1131	0.0061	0.0378	3.0838	0.0001
09:32:37	102.69	3.42	390.23	97.68	70.82	73.43	681.86	22.1154	23.1570	0.1131	0.0074	0.0460	3.7651	0.0002
09:32:38	102.69	3.45	389.74	96.46	67.16	73.91	682.88	22.1154	23.1570	0.1131	0.0087	0.0541	4.4465	0.0002
09:32:39	102.69	3.48	389.74	94.02	61.05	73.43	680.34	21.4744	22.4939	0.0000	0.0099	0.0620	5.1136	0.0002
09:32:40	102.69	3.49	395.60	92.80	63.49	74.16	680.34	20.3526	21.3277	0.1131	0.0111	0.0695	5.7519	0.0002
09:32:41	102.69	3.51	396.09	95.24	64.71	73.91	681.86	20.5128	21.4990	0.1131	0.0123	0.0771	6.3974	0.0003
09:32:42	102.69	3.53	395.60	101.34	68.38	73.91	679.83	20.9936	22.0086	0.1131	0.0136	0.0849	7.0620	0.0003
09:32:43	102.69	3.53	395.60	101.34	68.38	73.67	679.83	22.2756	23.3575	0.1131	0.0149	0.0933	7.7704	0.0003
09:32:44	102.69	3.55	395.60	101.34	68.38	73.91	680.85	22.2756	23.3575	0.1131	0.0162	0.1016	8.4788	0.0003
09:32:45	102.69	3.55	395.60	101.34	68.38	73.91	680.85	22.2756	23.3635	0.1131	0.0175	0.1099	9.1913	0.0004
09:32:46	102.69	3.58	395.60	100.12	70.82	73.91	682.37	22.2756	23.3635	0.1131	0.0188	0.1182	9.9039	0.0004
09:32:47	102.69	3.58	395.60	101.34	74.48	74.16	679.32	22.4359	23.5439	0.1131	0.0202	0.1266	10.6298	0.0004
09:32:48	102.69	3.60	396.09	100.12	73.26	73.91	677.80	23.0769	24.2165	0.1131	0.0215	0.1352	11.3765	0.0005
09:32:49	102.69	3.60	396.09	96.46	70.82	73.91	680.34	22.7564	23.8839	0.1131	0.0229	0.1437	12.1153	0.0005
09:32:50	103.17	3.62	402.44	94.02	70.82	73.91	680.34	21.9551	23.0429	0.1131	0.0242	0.1519	12.8281	0.0005
09:32:51	103.17	3.62	402.44	94.02	65.93	74.16	704.24	21.6346	22.7148	0.1131	0.0254	0.1601	13.5361	0.0006
09:32:52	103.17	3.62	402.44	94.02	65.93	74.16	704.24	20.9936	22.0418	0.1131	0.0267	0.1681	14.2231	0.0006
09:32:53	103.17	3.62	402.44	95.24	67.16	73.67	1006.27	20.9936	22.0418	0.1131	0.0279	0.1761	14.9102	0.0006
09:32:54	103.17	3.64	401.95	147.74	86.69	74.16	1333.22	21.3141	22.3783	3.8447	0.0292	0.1842	15.6077	0.0017
09:32:55	103.17	3.64	402.44	147.74	86.69	74.16	1333.22	30.7692	32.3105	7.2372	0.0310	0.1958	16.6180	0.0037
09:32:56	103.17	3.64	402.44	318.68	144.08	74.16	1755.76	30.7692	32.3105	7.2372	0.0328	0.2075	17.6284	0.0057
09:32:57	103.17	3.65	401.95	562.88	208.35	73.67	1918.98	60.7372	63.7796	11.7604	0.0364	0.2306	19.6228	0.0090
09:32:58	103.17	3.65	402.44	1178.27	208.35	73.67	1918.98	100.9615	106.0354	13.6828	0.0424	0.2690	22.9492	0.0128
09:32:59	103.17	3.65	402.44	1553.11	516.48	73.67	1932.20	181.7307	190.8638	13.6828	0.0532	0.3380	28.9367	0.0166
09:33:00	103.17	3.65	402.44	1553.11	516.48	73.67	1932.20	271.6345	285.2857	19.5630	0.0693	0.4413	37.8863	0.0220
09:33:01	113.68	3.65	395.60	1836.39	648.35	73.91	1810.68	271.6345	285.2857	19.5630	0.0855	0.5445	46.8359	0.0275
09:33:02	113.68	3.65	396.09	1255.19	536.02	73.43	974.75	326.1217	342.5178	20.9200	0.1068	0.6664	57.5809	0.0333
09:33:03	113.68	3.65	395.60	667.89	341.88	73.67	974.75	235.0961	246.9158	21.1461	0.1221	0.7544	65.3268	0.0391
09:33:04	113.68	3.66	396.09	445.67	253.97	73.43	938.64	132.5320	139.1952	21.1461	0.1308	0.8039	69.6935	0.0450
09:33:05	113.68	3.64	396.09	277.17	166.06	73.43	938.64	91.8269	96.4586	20.3545	0.1368	0.8382	72.7292	0.0507
09:33:06	113.68	3.64	396.09	221.00	130.65	73.43	938.64	58.1731	61.0946	20.4676	0.1406	0.8600	74.6437	0.0564
09:33:07	113.68	3.64	395.60	186.81	111.11	73.67	937.63	46.1538	48.4718	20.4676	0.1436	0.8773	76.1627	0.0620
09:33:08	113.68	3.64	396.09	161.17	98.90	73.43	938.64	39.1026	41.0663	20.3545	0.1462	0.8919	77.4496	0.0677
09:33:09	113.68	3.64	396.09	152.63	96.46	73.43	938.64	34.1346	35.8489	20.3545	0.1484	0.9047	78.5730	0.0733
09:33:10	112.70	3.64	391.70	147.74	92.80	73.43	946.27	32.6923	34.3342	20.3545	0.1505	0.9169	79.6489	0.0790
09:33:11	112.70	3.64	391.70	142.86	90.35	73.67	949.32	31.5705	33.1560	20.5807	0.1526	0.9286	80.6879	0.0847
09:33:12	112.70	3.65	391.70	140.42	87.91	73.43	951.36	30.6090	32.1461	20.6938	0.1546	0.9399	81.6953	0.0905
09:33:13	112.70	3.64	391.70	142.86	86.69	73.43	954.41	29.9679	31.4778	20.6938	0.1565	0.9510	82.6849	0.0962
09:33:14	112.70	3.64	391.70	144.08	85.47	73.43	950.85	30.1282	31.6412	20.9200	0.1585	0.9621	83.6764	0.1020
09:33:15	112.70	3.64	392.19	144.08	85.47	73.43	944.75	30.1282	31.6412	20.6938	0.1604	0.9733	84.6680	0.1078
09:33:16	112.70	3.63	392.19	148.96	89.13	73.67	944.75	30.1282	31.6412	20.5807	0.1624	0.9844	85.6595	0.1135
09:33:17	112.70	3.63	392.19	155.07	89.13	73.67	944.75	31.2500	32.8142	20.5807	0.1644	0.9960	86.6845	0.1192
09:33:18	112.70	3.63	391.70	157.51	97.68	73.67	944.75	32.0513	33.6556	20.5807	0.1665	1.0079	87.7358	0.1249
09:33:19	112.70	3.65	391.70	155.07	95.24	73.43	945.76	33.4936	35.1701	20.5807	0.1686	1.0203	88.8344	0.1306
09:33:20	221.98	3.68	501.10	151.40	91.58	73.67	934.58	32.8526	34.5042	20.6938	0.1708	1.0324	89.9168	0.1364
09:33:21	221.98	3.70	501.10	137.97	86.69	73.67	661.02	31.8910	33.5149	20.3545	0.1748	1.0475	90.9772	0.1420
09:33:22	221.98	3.73	501.10	124.54	85.47	73.91	721.02	29.4872	30.9983	14.3613	0.1786	1.0615	91.9642	0.1460
09:33:23	221.86	3.80	501.10	111.11	81.81	73.43	692.54	27.5641	28.9887	9.8380	0.1821	1.0746	92.8950	0.1488
09:33:24	221.86	3.85	501.10	106.23	81.81	73.91	690.00	25.3205	26.6513	4.9756	0.1854	1.0866	93.7651	0.1501
09:33:25	221.86	3.89	501.10	103.79	80.59	73.91	690.00	24.6795	25.9941	2.2616	0.1885	1.0983	94.6251	0.1508
09:33:26	221.98	3.98	501.10	102.56	78.14	73.43	680.85	24.1987	25.5022	2.2616	0.1916	1.1098	95.4782	0.1514
09:33:27	221.86	4.04	501.10	102.56	75.70	73.43	679.83	23.7179	25.0254	0.1131	0.1947	1.1211	96.3347	0.1514
09:33:28	221.86	4.16	501.10	102.56	73.26	73.91	679.83	23.3974	24.7077	0.1131	0.1977	1.1322	97.1936	0.1515
09:33:29	221.98	4.21	500.61	100.12	68.38	73.43	681.86	23.0769	24.4071	0.1131	0.2006	1.1432	98.0667	0.1515
09:33:30	283.27	4.26	608.55	98.90	67.16	73.67	680.85	22.1154	23.4047	0.1131	0.2035	1.1537	98.9133	0.1515
09:33:31	283.27	4.35	608.06	97.68	65.93	73.43	883.73	21.7949	23.0860	0.1131	0.2071	1.1664	99.7600	0.1516
09:33:32	283.27	4.35	608.06	97.68	65.93	73.43	883.73	21.4744	22.7736	2.1485	0.2106	1.1788	100.6129	0.1522
09:33:33	283.27	4.44	608.55	111.11	70.82	73.67	1094.24	21.4744	22.7736	2.1485	0.2141	1.1913	101.4658	0.1528
09:33:34	283.15	4.49	608.06	141.64	78.14	73.43	1338.81							

1 K1	1	unitless	for flow calc	
2 K2	1	unitless	for NOx calc (expl deriv.)	K2=1/(1-0.0047*(H-75))
3 CO density	32.85	gm/ft3	T=70 F, P=760 mmHG	H=grains of water/lbm dry air
4 NOx density	53.96	gm/ft3	T=70 F, P=760 mmHG	
5 Rhc	1.8	unitless	Diesel #2	
6 Ywi	0.03	unitless	for humidity comp. (from chart)	
7 gear ratio	3.58	unitless		
8 axle rev	16	pulses		
9 tire	114	inches		
10 interval	1	seconds		
11 CO2 density	51.61	gm/ft3	T=70 F, P=760 mmHG	
12 FF1	0.5			
13 FF2	0.5			
14 Pipe Area	0.2625	ft2		

09:33:35	283.27	4.53	608.55	175.82	84.25	73.67	1456.78	23.8782	25.3517	4.5232	0.2181	1.2051	102.4339	0.1540
09:33:36	283.27	4.56	608.06	266.18	112.33	73.67	1710.51	28.8461	30.6468	7.8026	0.2228	1.2219	103.6177	0.1562
09:33:37	283.27	4.56	608.06	266.18	112.33	73.67	1710.51	34.1346	36.2860	9.2726	0.2284	1.2418	105.0327	0.1588
09:33:38	283.27	4.59	608.55	452.99	155.07	73.43	1858.98	49.6795	52.8325	11.6473	0.2368	1.2706	107.1071	0.1620
09:33:39	283.27	4.61	608.06	765.57	222.22	73.43	1764.92	49.6795	52.8325	11.6473	0.2448	1.2995	109.1815	0.1652
09:33:40	287.79	4.62	530.40	1296.70	448.11	73.67	1848.31	79.8077	84.9036	13.5697	0.2580	1.3460	112.5351	0.1690
09:33:41	287.79	4.64	530.89	1296.70	448.11	73.67	1848.31	129.6474	137.9614	16.2836	0.2794	1.4214	118.0076	0.1735
09:33:42	287.79	4.64	530.89	1473.75	514.04	73.43	1832.54	229.0064	243.7318	19.9022	0.3178	1.5377	127.7002	0.1790
09:33:43	287.79	4.64	530.89	1348.76	500.61	73.43	1005.25	229.0064	243.7822	19.9022	0.3562	1.6541	137.4275	0.1846
09:33:44	287.79	4.64	530.89	919.41	387.06	73.43	896.44	260.8974	277.7309	20.9200	0.4000	1.7867	148.5095	0.1904
09:33:45	287.79	4.62	530.40	488.40	258.85	73.43	920.34	242.4679	258.1123	21.1461	0.4408	1.9099	158.8087	0.1963
09:33:46	287.79	4.62	531.38	269.84	166.06	73.67	923.90	171.4743	182.5381	19.3368	0.4694	1.9971	166.0923	0.2016
09:33:47	287.79	4.62	531.38	269.84	166.06	73.67	928.98	98.0769	104.3834	20.0153	0.4858	2.0469	170.2434	0.2072
09:33:48	287.79	4.56	530.89	217.34	124.54	73.19	943.22	57.2115	60.8903	20.1284	0.4954	2.0760	172.6648	0.2128
09:33:49	287.79	4.53	530.89	181.93	102.56	73.67	947.29	57.2115	60.8903	20.2415	0.5050	2.1051	175.0863	0.2184
09:33:50	289.26	4.47	530.89	181.93	102.56	73.67	951.86	44.8718	47.7201	20.5807	0.5125	2.1279	176.9600	0.2241
09:33:51	289.38	4.44	449.82	166.06	98.90	73.43	946.27	37.3397	39.6894	20.6938	0.5188	2.1468	178.5050	0.2299
09:33:52	289.38	4.44	449.82	166.06	98.90	73.43	946.27	37.3397	39.6587	20.6938	0.5251	2.1658	180.0288	0.2356
09:33:53	289.13	4.38	449.82	169.72	101.34	73.67	948.31	34.7756	36.9239	20.6938	0.5309	2.1807	181.4402	0.2414
09:33:54	289.13	4.35	450.31	183.15	102.56	73.67	946.27	34.7756	36.9239	20.6938	0.5368	2.1956	182.8515	0.2471
09:33:55	289.38	4.26	449.82	164.84	97.68	73.67	944.24	35.5769	37.7415	20.6938	0.5428	2.2109	184.2725	0.2529
09:33:56	289.26	4.22	449.82	153.85	92.80	73.91	945.76	37.5000	39.7851	20.5807	0.5491	2.2270	185.7591	0.2586
09:33:57	289.38	4.19	449.82	153.85	92.80	73.91	945.76	34.4551	36.4948	20.5807	0.5548	2.2418	187.0964	0.2643
09:33:58	289.38	4.19	450.31	141.64	90.35	73.67	944.24	32.3718	34.2721	20.5807	0.5603	2.2556	188.3419	0.2700
09:33:59	289.38	4.12	449.82	128.21	85.47	73.43	944.24	32.3718	34.2544	20.5807	0.5657	2.2695	189.5752	0.2757
09:34:00	363.74	4.10	449.82	128.21	85.47	73.43	944.24	30.4487	32.2195	20.5807	0.5708	2.2825	190.7353	0.2814
09:34:01	363.61	4.10	518.68	122.10	84.25	73.67	681.86	28.0449	29.6513	20.4676	0.5755	2.2945	191.7870	0.2871
09:34:02	363.74	4.10	518.68	112.33	84.25	73.67	723.05	28.0449	29.6477	20.4676	0.5814	2.3065	192.8336	0.2928
09:34:03	363.74	4.10	518.68	112.33	85.47	73.67	710.85	27.0833	28.6312	14.7005	0.5871	2.3199	193.8443	0.2969
09:34:04	363.61	4.14	519.17	107.45	84.25	73.67	696.10	25.8013	27.2758	11.0819	0.5925	2.3326	194.8071	0.3000
09:34:05	363.61	4.21	518.68	103.79	80.59	73.67	681.36	25.9615	27.4453	8.0287	0.5980	2.3454	195.7759	0.3022
09:34:06	363.61	4.21	518.68	103.79	80.59	73.67	681.36	25.1603	26.6092	3.8447	0.6033	2.3578	196.7224	0.3033
09:34:07	363.61	4.28	518.68	102.56	69.60	73.67	684.41	24.1987	25.6175	0.2262	0.6084	2.3698	197.6500	0.3033
09:34:08	363.74	4.35	519.17	100.12	64.71	73.43	680.85	24.1987	25.6175	0.2262	0.6135	2.3817	198.5775	0.3034
09:34:09	363.74	4.35	519.17	100.12	64.71	73.43	680.85	22.5961	23.9445	0.1131	0.6183	2.3929	199.4597	0.3034
09:34:10	387.06	4.38	519.17	97.68	62.27	73.43	680.85	21.6346	22.9446	0.0000	0.6228	2.4036	200.3175	0.3034
09:34:11	386.94	4.43	589.01	98.46	59.83	73.91	754.07	21.6346	22.9446	0.0000	0.6274	2.4143	201.1752	0.3034
09:34:12	386.94	4.47	589.01	98.46	61.05	73.43	1025.09	20.9936	22.2749	0.1131	0.6321	2.4247	202.0139	0.3035
09:34:13	386.94	4.53	589.01	122.10	78.14	73.43	1228.98	20.5128	21.7794	0.6785	0.6367	2.4363	202.8434	0.3037
09:34:14	386.94	4.56	589.50	122.10	78.14	73.43	1228.98	20.6731	21.9632	4.1840	0.6414	2.4479	203.6888	0.3048
09:34:15	386.94	4.60	589.01	207.57	108.67	73.67	1607.29	26.2820	27.9439	6.5587	0.6473	2.4627	204.7785	0.3066
09:34:16	386.94	4.63	589.01	365.08	174.60	73.91	1820.34	26.2820	27.9554	6.5587	0.6532	2.4775	205.8761	0.3085
09:34:17	386.94	4.63	589.01	634.92	236.87	73.91	1820.34	41.5064	44.1674	10.0642	0.6626	2.5009	207.6222	0.3113
09:34:18	386.94	4.66	589.01	1146.52	372.41	73.43	1667.29	70.8333	75.4056	12.3258	0.6788	2.5409	210.6234	0.3147
09:34:19	386.94	4.66	589.01	1146.52	372.41	73.43	1667.29	114.4231	121.8091	12.3258	0.7044	2.6054	215.4715	0.3181
09:34:20	359.46	4.66	589.01	1217.34	412.70	73.91	1825.93	199.3589	212.3263	17.0752	0.7493	2.7179	223.9865	0.3228
09:34:21	359.46	4.66	528.45	1656.90	619.05	73.67	1365.25	199.3589	212.3263	17.0752	0.7943	2.8303	232.5016	0.3276
09:34:22	359.46	4.66	528.45	1656.90	619.05	73.67	1365.25	213.9423	227.8467	18.5453	0.8392	2.9510	241.6390	0.3327
09:34:23	359.58	4.66	528.45	722.83	363.86	73.67	964.58	298.7178	318.1320	22.0508	0.9018	3.1022	254.3972	0.3389
09:34:24	359.58	4.66	528.94	493.26	284.49	73.67	951.86	298.7178	318.1320	22.0508	0.9644	3.2534	267.1553	0.3450
09:34:25	359.58	4.66	528.94	355.31	228.33	73.67	951.86	142.6282	151.8978	21.1461	0.9943	3.3256	273.2470	0.3509
09:34:26	359.58	4.62	528.45	255.19	179.49	73.43	951.86	102.0833	108.7179	20.6938	1.0157	3.3773	277.6069	0.3566
09:34:27	359.58	4.62	528.45	255.19	179.49	73.43	951.86	76.6026	81.5811	20.6938	1.0318	3.4161	280.8786	0.3624
09:34:28	359.58	4.62	528.94	217.34	153.85	73.67	948.81	57.0513	60.7246	20.6938	1.0437	3.4450	283.2914	0.3681
09:34:29	315.38	4.56	528.45	163.61	108.67	73.67	942.20	57.0513	60.7246	20.6938	1.0557	3.4738	285.7043	0.3739
09:34:30	315.38	4.56	528.45	163.61	108.67	73.67	942.20	48.7179	51.8547	20.5807	1.0659	3.4985	287.7647	0.3796
09:34:31	315.38	4.48	466.42	144.08	90.35	73.67	939.15	35.7372	38.0036	20.5807	1.0724	3.5166	289.2543	0.3853
09:34:32	315.38	4.45	468.91	140.42	87.91	73.91	941.19	35.7372	38.0036	20.5807	1.0790	3.5346	290.7439	0.3910
09:34:33	315.38	4.39	468.91	139.19	86.69	73.67	943.22	30.7692	32.6868	20.4676	1.0846	3.5483	292.0031	0.3967
09:34:34	315.38	4.35	468.42	136.75	85.47	73.67	944.75	29.9679	31.8224	20.5807	1.0901	3.5617	293.2205	0.4024
09:34:35	315.38	4.31	468.42	133.09	86.69	73.67	946.27	29.6474	31.4577	20.4676	1.0956	3.5749	294.4081	0.4081
09:34:36	315.38	4.31	468.42	133.09	86.69	73.67	946.27	29.1667	30.9299	20.6938	1.1009	3.5879	295.5844	0.4138
09:34:37	315.38	4.22	468.42	133.09	87.91	73.67	942.20	28.8461	30.5742	20.5807	1.1062	3.6007	296.6971	0.4196
09:34:38	315.38	4.18	468.42	131.87	89.13	73.91	939.15	28.8461	30.5742	20.5807	1.1115	3.6135	297.8298	0.4253
09:34:39	353.11	4.18	530.89	137.97	90.35	73.43	873.05	29.0064	30.7107	20.4676	1.1168	3.6264	298.9458	0.4310
09:34:40	353.11	4.18	530.89	137.97	90.35	73.43	873.05	29.0064	30.6916	20.4676	1.1221	3.6393	300.0488	0.4366
09:34:41	353.24	4.18	531.38	135.53	87.91	73.67	656.95	29.9679	31.7112	18.8845	1.1282	3.6544	301.1885	0.4419
09:34:42	353.24	4.18	530.89	119.66	81.81	73.43	706.78	29.9679	31.7112	18.8845	1.1343	3.6696	302.3282	0.4471
09:34:43	353.24	4.18	530.89	107.45	74.48	73.43	690.00	29.3269	31.0329	14.2482	1.1403	3.6844	303.4434	0.4511
09:34:44	353.11	4.23	530.89	102.56	74.48	73.43	690.00	26.4423	27.9805	8.3680	1.1457	3.6978	304.4490	0.4534
09:34:45	353.11	4.23	530.89	102.56	70.82	73.91	679.83	23.8782	25.2672	2.9401	1.1506	3.7098	305.3571	0.4542
09:34:46	353.11	4.32	530.89	101.34	67.16	73.67	678.81	23.2372	24.6067	2.9401	1.1554	3.7216	306.2530	0.4551

09:34:47	353.24	4.34	531.38	105.01	68.38	73.43	678.81	22.7564	24.0976	1.0177	1.1600	3.7331	307.1303	0.4553
09:34:48	353.11	4.39	530.89	103.79	69.60	73.91	677.80	22.1154	23.4467	0.1131	1.1646	3.7443	308.0021	0.4554
09:34:49	362.27	4.45	594.38	103.79	70.82	73.43	676.78	22.7564	24.1313	0.0000	1.1692	3.7558	308.9026	0.4554
09:34:50	362.15	4.50	594.87	103.79	72.04	73.43	740.85	22.7564	24.1488	0.1131	1.1739	3.7673	309.8151	0.4554
09:34:51	362.03	4.53	594.38	103.79	73.26	73.67	963.05	22.9167	24.3369	0.0000	1.1787	3.7803	310.7461	0.4554
09:34:52	362.03	4.53	594.38	103.79	73.26	73.67	963.05	23.0769	24.5248	0.4523	1.1836	3.7935	311.6959	0.4555
09:34:53	362.15	4.60	594.87	136.75	84.25	73.43	1193.90	23.2372	24.7028	3.8447	1.1885	3.8067	312.6575	0.4566
09:34:54	362.15	4.62	594.87	173.38	95.24	73.67	1398.81	23.2372	24.7028	3.8447	1.1934	3.8199	313.6191	0.4577
09:34:55	362.15	4.62	594.87	173.38	95.24	73.67	1398.81	29.0064	30.8646	6.5587	1.1995	3.8364	314.8393	0.4595
09:34:56	362.27	4.64	594.38	213.68	116.00	73.67	1548.31	35.2564	37.5247	8.7072	1.2070	3.8565	316.3290	0.4619
09:34:57	362.27	4.65	594.38	318.68	140.42	73.43	1734.92	35.2564	37.5247	8.7072	1.2144	3.8765	317.8188	0.4643
09:34:58	362.15	4.67	594.38	1194.14	361.42	73.67	1824.92	43.2692	46.0673	10.1773	1.2235	3.9012	319.6569	0.4671
09:34:59	362.15	4.67	594.87	1562.88	537.24	73.67	1877.80	60.2564	64.1629	11.9866	1.2363	3.9355	322.2236	0.4705
09:35:00	362.15	4.67	594.87	1562.88	537.24	73.67	1916.44	204.1666	217.4705	15.9444	1.2794	4.0517	330.9669	0.4749
09:35:01	318.80	4.65	516.73	1818.07	744.81	73.67	1827.46	275.6409	293.6022	17.7537	1.3376	4.2088	342.7709	0.4798
09:35:02	318.80	4.65	516.73	1076.92	525.03	73.67	1146.61	275.6409	293.6022	19.5630	1.3958	4.3659	354.5749	0.4853
09:35:03	318.80	4.65	516.73	1076.92	525.03	73.67	976.78	336.3781	358.1391	20.9200	1.4583	4.5323	368.8894	0.4911
09:35:04	318.80	4.63	516.73	711.84	391.94	73.19	953.39	210.2564	223.8583	21.2592	1.4974	4.6363	377.8368	0.4970
09:35:05	318.93	4.60	516.73	472.53	267.40	73.67	948.31	210.2564	223.8583	21.2592	1.5365	4.7403	386.7842	0.5029
09:35:06	318.93	4.60	516.73	300.37	223.44	73.67	946.78	144.8718	154.2199	20.8069	1.5634	4.8120	392.9327	0.5087
09:35:07	318.93	4.53	517.22	200.24	141.64	73.43	940.68	97.1154	103.3339	20.6938	1.5814	4.8600	397.0212	0.5144
09:35:08	318.93	4.53	517.22	200.24	141.64	73.43	940.68	68.7500	73.1522	20.5807	1.5942	4.8940	399.9156	0.5201
09:35:09	318.93	4.51	516.73	180.71	120.88	73.67	938.14	44.8718	47.7006	20.4676	1.6025	4.9162	401.7741	0.5258
09:35:10	289.26	4.48	516.73	162.39	107.45	73.67	936.61	44.8718	47.7006	20.4676	1.6109	4.9384	403.6325	0.5315
09:35:11	289.26	4.42	437.61	147.74	97.68	73.67	933.05	39.5833	42.0701	20.4676	1.6182	4.9580	405.2660	0.5372
09:35:12	289.26	4.37	437.61	140.42	94.02	73.43	931.53	35.4167	37.6221	20.4676	1.6242	4.9754	406.7154	0.5429
09:35:13	289.26	4.37	437.61	140.42	94.02	73.43	931.53	32.2115	34.1908	20.3545	1.6296	4.9889	408.0154	0.5485
09:35:14	289.26	4.26	438.10	133.09	91.58	73.43	931.53	30.7692	32.6396	20.2415	1.6347	5.0017	409.2432	0.5542
09:35:15	289.26	4.26	438.10	135.53	95.24	73.91	935.09	30.7692	32.6396	20.2415	1.6399	5.0146	410.4710	0.5598
09:35:16	289.26	4.20	437.61	142.86	102.56	73.91	939.15	29.4872	31.2327	20.2415	1.6449	5.0269	411.6155	0.5654
09:35:17	289.26	4.17	437.61	152.63	109.89	73.67	940.68	30.2885	32.0815	20.3545	1.6499	5.0395	412.7911	0.5711
09:35:18	289.26	4.12	438.10	157.51	109.89	73.67	945.76	32.2115	34.0919	20.5807	1.6553	5.0529	414.0232	0.5768
09:35:19	289.26	4.08	438.10	156.29	101.34	73.91	949.32	34.4551	36.4514	20.4676	1.6611	5.0673	415.3308	0.5825
09:35:20	289.26	4.06	438.10	151.40	95.24	74.16	952.37	35.0961	37.1026	20.5807	1.6670	5.0819	416.6442	0.5882
09:35:21	335.29	4.06	528.45	145.30	90.35	73.91	660.00	33.8141	35.7306	20.6938	1.6727	5.0960	417.8983	0.5939
09:35:22	335.41	4.05	528.45	129.43	86.69	73.91	717.97	32.3718	34.1959	20.9200	1.6781	5.1095	419.0917	0.5997
09:35:23	335.41	4.05	528.45	129.43	86.69	73.91	700.68	30.9295	32.6751	14.3613	1.6841	5.1250	420.2320	0.6037
09:35:24	335.29	4.07	528.45	120.88	83.03	73.91	692.03	28.3654	29.9647	7.6895	1.6896	5.1392	421.2766	0.6059
09:35:25	335.29	4.11	528.45	109.89	78.14	74.16	684.92	28.3654	29.9647	7.6895	1.6951	5.1535	422.3213	0.6080
09:35:26	335.41	4.16	528.94	103.79	75.70	73.67	679.83	26.7628	28.2791	3.0532	1.7003	5.1669	423.3120	0.6088
09:35:27	335.41	4.21	528.94	102.56	75.70	73.91	679.83	24.6795	26.0899	1.6962	1.7051	5.1793	424.2339	0.6093
09:35:28	335.29	4.25	528.45	101.34	74.48	73.91	678.81	23.5577	24.9221	0.1131	1.7098	5.1912	425.1262	0.6093
09:35:29	335.41	4.33	528.45	100.12	70.82	73.67	680.85	23.3974	24.7692	0.1131	1.7142	5.2029	426.0238	0.6094
09:35:30	357.63	4.40	618.32	97.68	68.38	73.91	680.85	23.0769	24.4413	0.1131	1.7187	5.2146	426.9170	0.6094
09:35:31	357.63	4.40	618.32	97.68	65.93	73.91	680.85	22.4359	23.7870	0.0000	1.7230	5.2259	427.8022	0.6094
09:35:32	357.63	4.45	618.32	96.46	64.71	73.67	903.56	21.7949	23.1298	0.1131	1.7276	5.2387	428.6770	0.6094
09:35:33	357.63	4.49	618.32	98.90	67.16	73.91	963.56	21.4744	22.7897	0.1131	1.7320	5.2514	429.5389	0.6095
09:35:34	357.63	4.54	618.32	106.23	74.48	73.91	1180.17	21.1538	22.4658	3.5055	1.7364	5.2639	430.3991	0.6104
09:35:35	357.63	4.56	618.32	128.21	80.59	73.91	1332.71	21.7949	23.1585	4.0709	1.7410	5.2768	431.2936	0.6116
09:35:36	357.63	4.58	618.32	199.02	94.02	73.91	1572.20	23.7179	25.2176	6.1064	1.7459	5.2908	432.2778	0.6133
09:35:37	357.63	4.58	618.32	247.86	106.23	73.67	1680.00	27.4038	29.1471	7.6895	1.7516	5.3070	433.4222	0.6154
09:35:38	357.51	4.62	618.80	621.49	186.81	73.91	1909.83	38.4615	40.9187	10.1773	1.7596	5.3298	435.0357	0.6182
09:35:39	357.51	4.60	618.80	1085.47	322.34	73.67	1895.09	46.4743	49.4435	11.0819	1.7693	5.3573	436.9854	0.6213
09:35:40	357.63	4.63	618.32	1692.31	590.96	73.91	1936.27	106.0897	112.9142	14.4743	1.7914	5.4201	441.4681	0.6253
09:35:41	321.00	4.60	531.38	1943.83	741.15	73.91	1903.73	184.7756	196.6313	17.3014	1.8299	5.5295	449.2546	0.6301
09:35:42	321.00	4.60	531.38	1932.84	770.45	73.67	1322.54	299.6794	319.0068	20.0153	1.8923	5.7069	461.9514	0.6357
09:35:43	321.00	4.59	531.38	1177.05	538.46	73.91	936.61	352.4037	374.9897	21.0330	1.9582	5.8861	476.8009	0.6415
09:35:44	321.00	4.59	530.89	770.45	394.38	73.43	951.86	354.8076	377.5476	22.0508	2.0246	6.0665	491.7516	0.6477
09:35:45	321.00	4.56	530.89	435.90	273.50	73.91	956.95	225.1602	239.5415	20.3545	2.0667	6.1810	501.2052	0.6533
09:35:46	321.00	4.56	531.38	322.34	219.78	73.91	948.31	152.8846	162.6495	20.6938	2.0953	6.2587	507.6242	0.6591
09:35:47	321.00	4.53	530.89	260.07	184.37	73.91	945.76	93.1090	99.0150	20.8069	2.1127	6.3059	511.5052	0.6649
09:35:48	321.00	4.51	531.38	214.90	150.18	74.16	942.71	71.1538	75.6672	20.5807	2.1260	6.3421	514.4711	0.6706
09:35:49	321.00	4.44	530.89	200.24	142.86	74.16	942.71	58.3333	62.0142	20.5807	2.1369	6.3717	516.8894	0.6763
09:35:50	321.00	4.42	530.89	191.70	137.97	73.91	942.71	47.9167	50.9218	20.4676	2.1458	6.3960	518.8631	0.6820
09:35:51	287.79	4.38	442.00	188.03	123.32	74.16	942.71	45.0320	47.8167	20.5807	2.1542	6.4189	520.6908	0.6877
09:35:52	287.79	4.35	442.00	181.93	118.44	73.67	943.73	43.2692	45.9330	20.5807	2.1623	6.4408	522.4387	0.6934
09:35:53	287.91	4.30	441.51	170.94	102.56	73.91	943.73	40.8654	43.3539	20.5807	2.1691	6.4580	524.0725	0.6991
09:35:54	287.79	4.26	442.00	163.61	96.46	73.67	942.71	39.4231	41.8043	20.5807	2.1757	6.4747	525.6353	0.7048
09:35:55	287.79	4.19	442.00	157.51	91.58	73.91	944.24	35.8974	38.0401	20.5807	2.1817	6.4898	527.0407	0.7106
09:35:56	287.79	4.17	442.00	157.51	90.35	73.91	945.76	34.1346	36.1552	20.5807	2.1874	6.5041	528.3656	0.7163
09:35:57	287.79	4.14	442.00	153.85	86.69	73.91	948.31	32.6923	34.5970	20.5807	2.1929	6.5179	529.6136	0.7220
09:35:58	287.79	4.08	442.00	150.18	86.69	74.16	949.83	32.5320	34.4150	20.5807	2.1983	6.5316	530.8470	0.7277

09:35:59	287.79	4.05	441.51	148.96	86.69	73.91	951.36	31.5705	33.3857	20.6938	2.2036	6.5448	532.0356	0.7335
09:36:00	287.79	4.01	442.00	147.74	85.47	74.16	878.14	31.0897	32.8500	20.6938	2.2087	6.5579	533.1875	0.7392
09:36:01	325.89	4.01	524.54	135.53	81.81	73.91	664.58	30.9295	32.6706	20.8069	2.2139	6.5709	534.3265	0.7450
09:36:02	325.89	4.00	525.03	120.88	76.92	74.16	727.12	30.6090	32.3153	20.6938	2.2190	6.5837	535.4423	0.7507
09:36:03	325.76	4.00	525.03	108.67	74.48	73.91	697.63	28.5256	30.1179	14.4743	2.2243	6.5979	536.4822	0.7548
09:36:04	325.89	4.00	524.54	103.79	70.82	74.16	890.51	25.9815	27.4064	10.6296	2.2292	6.6109	537.4257	0.7577
09:36:05	325.76	4.03	524.54	101.34	65.93	73.91	687.46	24.0385	25.3763	6.7849	2.2338	6.6228	538.2994	0.7596
09:36:06	325.89	4.08	525.03	98.90	61.05	73.67	682.88	22.9167	24.1921	3.7317	2.2381	6.6343	539.1322	0.7606
09:36:07	325.76	4.11	525.03	97.68	58.61	73.67	680.34	21.9551	23.1854	1.8093	2.2422	6.6452	539.9359	0.7611
09:36:08	325.76	4.17	524.54	95.24	57.39	74.16	680.34	20.9936	22.1838	0.3392	2.2462	6.6557	540.7138	0.7612
09:36:09	325.89	4.21	524.54	94.02	57.39	73.91	679.32	20.5128	21.6859	0.1131	2.2500	6.6659	541.4807	0.7613
09:36:10	325.89	4.27	525.03	94.02	61.05	73.67	680.85	20.0320	21.1930	0.1131	2.2538	6.6759	542.2403	0.7613
09:36:11	332.36	4.30	608.55	95.24	61.05	73.91	714.92	19.8718	21.0343	0.1131	2.2576	6.6858	543.0011	0.7613
09:36:12	332.23	4.31	608.06	96.46	62.27	73.67	974.24	20.3526	21.5622	0.1131	2.2614	6.6960	543.7934	0.7613
09:36:13	332.36	4.35	608.06	101.34	65.93	73.91	1078.48	20.5128	21.7412	0.4523	2.2654	6.7079	544.5982	0.7615
09:36:14	332.36	4.39	608.06	120.88	74.48	74.16	1214.24	20.8333	22.0844	3.8447	2.2694	6.7200	545.4178	0.7625
09:36:15	332.36	4.42	608.55	144.08	79.37	73.91	1426.27	21.9551	23.2831	4.8625	2.2736	6.7327	546.2882	0.7639
09:36:16	332.36	4.44	608.55	213.68	102.56	73.67	1606.27	25.6410	27.2075	6.6718	2.2786	6.7476	547.3153	0.7657
09:36:17	332.36	4.46	608.06	351.65	145.30	73.91	1838.65	29.3269	31.1298	8.0287	2.2842	6.7646	548.4979	0.7680
09:36:18	332.23	4.47	608.06	885.23	272.28	73.91	1835.09	41.5064	44.0694	10.6296	2.2923	6.7888	550.1794	0.7709
09:36:19	332.36	4.47	608.06	1200.24	380.95	73.91	1739.49	65.2243	69.2770	12.3258	2.3049	6.8266	552.8389	0.7744
09:36:20	332.36	4.47	608.06	1321.12	437.12	73.91	1804.58	151.9231	161.3878	16.5098	2.3342	6.9149	559.0510	0.7789
09:36:21	295.24	4.47	528.94	1485.96	498.17	73.91	1732.37	207.5320	220.4612	17.5275	2.3743	7.0354	567.5368	0.7838
09:36:22	295.24	4.47	528.45	1465.20	517.70	73.67	1105.93	230.7692	245.1460	18.9976	2.4189	7.1695	576.9727	0.7891
09:36:23	295.36	4.47	528.94	1036.63	367.52	73.91	918.81	260.4166	276.6216	20.5807	2.4637	7.3011	587.6202	0.7946
09:36:24	295.24	4.46	528.45	579.98	285.71	73.91	927.97	260.2564	276.4514	20.2415	2.5083	7.4325	598.2612	0.8004
09:36:25	295.24	4.46	528.94	406.59	230.77	73.91	939.15	184.2949	195.7631	20.0153	2.5400	7.5256	605.7964	0.8060
09:36:26	295.24	4.42	528.45	273.50	177.05	73.67	947.60	113.6218	120.6610	20.2415	2.5595	7.5829	610.4205	0.8116
09:36:27	295.24	4.42	528.94	228.33	151.40	73.91	934.07	83.6538	88.8364	20.4676	2.5739	7.6252	613.8250	0.8173
09:36:28	295.24	4.39	528.94	201.47	133.09	73.67	932.54	59.1348	62.7722	20.5807	2.5840	7.6550	616.2137	0.8230
09:36:29	295.24	4.36	528.45	183.15	116.00	73.91	939.15	49.8397	52.9055	20.4676	2.5926	7.6802	618.2270	0.8287
09:36:30	295.24	4.35	528.94	174.60	106.23	73.91	940.68	43.9103	46.5872	20.3545	2.6001	7.7024	619.9843	0.8343
09:36:31	259.95	4.30	449.82	159.95	98.90	73.91	943.22	39.2628	41.6414	20.4676	2.6068	7.7222	621.5451	0.8400
09:36:32	259.83	4.27	450.31	152.63	95.24	73.91	942.20	36.6590	39.0858	20.5807	2.6131	7.7407	623.0063	0.8458
09:36:33	259.95	4.22	449.82	146.52	94.02	73.91	942.20	33.9744	36.0004	20.5807	2.6183	7.7553	624.3363	0.8515
09:36:34	259.95	4.17	450.31	141.64	91.58	73.91	945.76	32.5320	34.4614	20.4676	2.6232	7.7693	625.6028	0.8572
09:36:35	259.95	4.13	449.82	139.19	90.35	74.16	945.76	31.5705	33.4186	20.5807	2.6279	7.7828	626.8149	0.8629
09:36:36	259.83	4.08	449.82	144.08	89.13	73.91	947.29	30.6090	32.3806	20.5807	2.6325	7.7959	627.9764	0.8686
09:36:37	259.95	4.05	449.82	148.96	89.13	73.91	947.29	30.1282	31.8555	20.5807	2.6371	7.8088	629.1084	0.8743
09:36:38	259.83	4.03	450.31	155.07	87.91	73.91	948.31	30.6090	32.3421	20.6938	2.6417	7.8219	630.2436	0.8801
09:36:39	259.83	3.98	450.31	150.18	87.91	73.67	950.34	31.2500	33.0040	20.5807	2.6464	7.8352	631.3920	0.8858
09:36:40	259.95	3.98	449.82	146.52	86.69	73.91	887.80	31.8910	33.6740	20.6938	2.6512	7.8489	632.5592	0.8915
09:36:41	300.73	3.97	526.50	137.97	83.03	74.16	655.42	31.2500	32.9767	20.8069	2.6559	7.8622	633.6890	0.8973
09:36:42	300.73	3.97	526.50	125.78	79.37	74.16	717.97	30.6090	32.3002	19.2237	2.6604	7.8753	634.7955	0.9026
09:36:43	300.73	3.96	526.01	116.00	75.70	73.67	702.20	29.0064	30.6066	14.2482	2.6655	7.8898	635.8410	0.9066
09:36:44	300.73	3.99	526.50	108.23	72.04	73.67	697.12	26.9231	28.4084	10.0642	2.6702	7.9032	636.8114	0.9094
09:36:45	300.73	4.03	526.01	105.01	70.82	73.67	687.97	25.1603	26.5442	7.2372	2.6745	7.9158	637.7154	0.9114
09:36:46	300.73	4.06	526.50	102.56	68.38	74.16	681.86	23.3974	24.6959	3.3924	2.6786	7.9275	638.5640	0.9123
09:36:47	300.73	4.12	526.50	102.56	70.82	73.91	680.85	23.0769	24.3677	2.1485	2.6826	7.9390	639.4078	0.9129
09:36:48	300.73	4.15	526.01	101.34	73.26	73.91	679.32	22.4359	23.7031	0.5654	2.6865	7.9502	640.2366	0.9131
09:36:49	300.73	4.22	526.50	102.56	75.70	73.91	684.41	22.7564	24.0579	0.1131	2.6905	7.9616	641.0883	0.9131
09:36:50	300.73	4.24	526.50	103.79	76.92	73.91	679.32	22.9167	24.2386	0.1131	2.6945	7.9731	641.9537	0.9132
09:36:51	313.80	4.31	604.15	105.01	78.14	74.40	723.56	23.3974	24.7689	0.0000	2.6985	7.9848	642.8521	0.9132
09:36:52	313.92	4.33	604.15	106.23	80.59	74.16	791.19	23.7179	25.1147	0.1131	2.7027	7.9967	643.7674	0.9132
09:36:53	313.92	4.38	604.15	108.67	80.59	73.91	989.49	24.0384	25.4811	1.1308	2.7071	8.0105	644.7131	0.9135
09:36:54	313.92	4.42	604.64	112.33	80.59	73.91	1244.75	24.5192	25.9947	3.0532	2.7115	8.0247	645.6805	0.9144
09:36:55	313.80	4.47	604.15	147.74	85.47	74.40	1394.24	24.8397	26.3523	3.9578	2.7161	8.0390	646.6727	0.9155
09:36:56	313.92	4.49	604.15	190.48	95.24	73.91	1670.85	25.3205	26.8776	5.7671	2.7207	8.0536	647.6946	0.9171
09:36:57	313.92	4.52	603.66	393.16	153.85	73.91	1937.29	30.6090	32.5131	8.1418	2.7263	8.0713	648.9450	0.9193
09:36:58	313.92	4.54	604.15	827.84	279.61	73.91	1881.36	37.5000	39.8431	9.8380	2.7331	8.0929	650.4839	0.9220
09:36:59	313.92	4.56	604.15	1473.75	529.91	73.91	1867.97	71.7949	76.3085	12.7781	2.7462	8.1343	653.4493	0.9256
09:37:00	283.76	4.59	604.64	1777.78	715.51	73.91	1815.76	145.3525	154.5385	16.1706	2.7728	8.2183	659.4859	0.9301
09:37:01	283.76	4.57	536.26	1645.91	689.87	74.16	1326.61	282.9807	279.8728	18.7714	2.8209	8.3703	670.4576	0.9353
09:37:02	283.64	4.60	536.75	1191.70	501.83	74.40	951.36	327.2435	348.1212	20.5807	2.8749	8.5596	684.1962	0.9410
09:37:03	283.76	4.60	536.26	664.22	373.63	74.16	959.49	306.5704	326.0618	19.9022	2.9256	8.7168	697.0205	0.9465
09:37:04	283.76	4.59	537.24	458.65	284.49	73.91	955.42	222.2756	236.5053	20.5807	2.9623	8.8310	706.3881	0.9523
09:37:05	283.76	4.59	536.75	308.91	205.13	73.91	944.75	136.2179	144.9384	20.9200	2.9848	8.9009	712.1256	0.9581
09:37:06	283.76	4.57	536.75	251.53	161.17	74.16	948.31	97.2756	103.4870	20.9200	3.0009	8.9509	716.2132	0.9639
09:37:07	283.76	4.55	536.75	213.68	130.65	74.16	947.29	67.4679	71.7760	20.5807	3.0121	8.9855	719.0483	0.9696
09:37:08	283.76	4.54	536.75	179.49	105.01	73.91	939.15	54.1667	57.6105	20.6938	3.0210	9.0133	721.3141	0.9754
09:37:09	283.76	4.51	536.26	162.39	96.48	73.91	938.14	45.1923	48.0531	20.5807	3.0285	9.0365	723.1960	0.9811
09:37:10	258.85	4.46	536.75	147.74	92.80	74.16	938.14	37.3397	39.6953	20.3545	3.0347	9.0557	724.7453	0.9867

09:37:11	258.85	4.43	468.38	140.42	87.91	73.91	938.14	33.9744	36.1064	20.4676	3.0403	9.0731	726.1472	0.9924
09:37:12	258.97	4.41	468.86	142.86	86.69	74.16	936.61	31.5705	33.5259	20.3545	3.0450	9.0893	727.4331	0.9981
09:37:13	258.85	4.35	468.38	137.97	83.03	74.16	936.61	29.9679	31.8125	20.4676	3.0495	9.1027	728.6459	1.0037
09:37:14	258.97	4.32	468.86	133.09	81.81	73.91	936.61	30.1282	31.9744	20.3545	3.0541	9.1162	729.8594	1.0094
09:37:15	258.85	4.26	468.86	129.43	80.59	73.91	938.14	29.0064	30.7568	20.4676	3.0584	9.1291	731.0092	1.0151
09:37:16	258.97	4.23	468.38	128.21	79.37	74.16	940.17	28.2051	29.8963	20.4676	3.0627	9.1417	732.1198	1.0208
09:37:17	258.97	4.19	468.38	126.98	79.37	73.91	942.20	27.5641	29.1927	20.4676	3.0668	9.1540	733.1886	1.0265
09:37:18	258.97	4.15	468.38	128.21	79.37	73.91	946.78	27.2436	28.8443	20.4676	3.0709	9.1662	734.2387	1.0321
09:37:19	258.85	4.12	468.38	129.43	80.59	73.91	948.81	27.0833	28.6598	20.5807	3.0749	9.1783	735.2726	1.0379
09:37:20	258.85	4.08	468.38	131.87	80.59	73.67	871.53	27.2436	28.8114	20.6938	3.0790	9.1904	736.3003	1.0436
09:37:21	308.55	4.08	538.22	122.10	75.70	74.16	687.46	27.5641	29.1383	20.6938	3.0832	9.2027	737.3318	1.0494
09:37:22	308.55	4.06	538.71	113.55	73.26	73.91	712.37	27.8846	29.4649	18.9976	3.0873	9.2151	738.3670	1.0546
09:37:23	308.55	4.07	538.71	107.45	69.60	74.16	692.54	25.9615	27.4354	12.2127	3.0920	9.2284	739.3309	1.0580
09:37:24	308.55	4.09	538.22	102.56	64.71	74.16	685.42	24.5192	25.9018	8.7072	3.0963	9.2409	740.2348	1.0604
09:37:25	308.55	4.13	538.22	101.34	64.71	73.67	683.39	23.2372	24.5525	6.1064	3.1005	9.2528	741.0949	1.0621
09:37:26	308.55	4.16	538.71	100.12	63.49	74.16	677.29	21.9551	23.2027	2.2616	3.1044	9.2640	741.9108	1.0628
09:37:27	308.42	4.19	538.71	100.12	63.49	73.67	677.29	21.7949	23.0453	1.0177	3.1083	9.2752	742.7290	1.0631
09:37:28	308.55	4.24	538.71	100.12	63.49	74.16	679.32	21.4744	22.7158	0.0000	3.1121	9.2862	743.5415	1.0631
09:37:29	308.55	4.28	538.22	98.90	63.49	73.67	678.31	21.4744	22.7240	0.1131	3.1160	9.2972	744.3597	1.0631
09:37:30	308.55	4.31	538.71	98.90	63.49	73.91	679.32	21.4744	22.7393	0.1131	3.1198	9.3082	745.1884	1.0631
09:37:31	327.84	4.36	606.10	98.90	63.49	74.16	863.90	21.3141	22.5813	0.1131	3.1236	9.3192	746.0189	1.0631
09:37:32	327.84	4.38	606.10	101.34	65.93	74.16	1043.39	21.3141	22.5907	0.1131	3.1275	9.3301	746.8558	1.0632
09:37:33	327.84	4.41	606.10	114.77	72.04	73.91	1165.93	21.3141	22.6067	3.1663	3.1315	9.3424	747.7032	1.0641
09:37:34	327.84	4.45	606.10	164.84	83.03	73.91	1385.09	21.9551	23.2938	4.4102	3.1357	9.3551	748.5810	1.0653
09:37:35	327.96	4.48	605.62	225.89	92.80	73.91	1544.75	24.5192	26.0237	5.7671	3.1404	9.3693	749.5679	1.0669
09:37:36	327.72	4.49	606.10	479.85	175.82	73.91	1903.22	32.5320	34.5460	8.0287	3.1466	9.3881	750.8895	1.0691
09:37:37	327.84	4.52	606.59	868.13	302.81	73.91	1857.97	41.8269	44.4370	9.7250	3.1545	9.4123	752.6029	1.0718
09:37:38	327.84	4.54	605.62	1288.16	452.99	73.91	1773.56	86.0577	91.4419	12.5520	3.1709	9.4622	756.1379	1.0753
09:37:39	327.84	4.54	605.62	1550.67	564.10	73.91	1740.00	153.6859	163.3604	15.9444	3.2003	9.5513	762.4917	1.0797
09:37:40	324.66	4.54	606.10	1545.79	560.44	73.91	1853.90	228.5256	242.9741	17.9799	3.2439	9.6836	771.9828	1.0847
09:37:41	297.19	4.54	532.84	1614.16	593.41	74.16	1694.24	277.5640	295.1130	18.8845	3.2969	9.8444	783.5108	1.0900
09:37:42	297.19	4.53	532.84	1190.48	531.14	73.91	929.49	276.4422	293.9186	20.3545	3.3491	10.0046	794.9917	1.0956
09:37:43	297.19	4.53	533.33	792.43	405.37	74.16	919.83	289.7435	308.0452	21.1461	3.3992	10.1522	807.0246	1.1015
09:37:44	297.19	4.50	532.84	446.89	279.61	74.16	943.73	225.9615	240.1847	20.1284	3.4383	10.2673	816.3745	1.1071
09:37:45	297.19	4.50	532.84	335.78	228.33	73.91	947.29	157.2115	167.1073	20.1284	3.4655	10.3475	822.8796	1.1127
09:37:46	297.19	4.47	533.33	244.20	167.28	74.16	944.24	95.3525	101.3231	20.5807	3.4820	10.3960	826.8035	1.1184
09:37:47	297.19	4.46	532.84	214.90	145.30	73.67	936.61	74.0385	78.6744	20.5807	3.4948	10.4337	829.8503	1.1241
09:37:48	297.19	4.44	533.33	196.58	125.76	73.91	938.64	54.0064	57.3843	20.5807	3.5041	10.4612	832.0564	1.1298
09:37:49	297.19	4.39	533.33	181.93	109.89	74.16	940.17	47.2756	50.2047	20.3545	3.5123	10.4853	833.9804	1.1355
09:37:50	272.41	4.38	533.33	167.28	97.68	73.91	941.70	42.3077	44.9219	20.4676	3.5196	10.5068	835.6974	1.1412
09:37:51	272.41	4.33	456.17	161.17	92.80	74.16	943.73	38.3013	40.6406	20.5807	3.5262	10.5263	837.2331	1.1469
09:37:52	272.41	4.30	456.17	156.29	89.13	73.91	945.76	34.7756	36.8923	20.4676	3.5317	10.5440	838.6233	1.1526
09:37:53	272.53	4.27	456.17	151.40	89.13	74.16	948.31	33.3333	35.3366	20.4676	3.5370	10.5585	839.9384	1.1583
09:37:54	272.41	4.22	456.17	147.74	87.91	73.91	949.83	32.2115	34.1367	20.5807	3.5421	10.5725	841.2019	1.1640
09:37:55	272.41	4.19	456.17	144.08	86.69	73.91	952.37	31.5705	33.4436	20.6938	3.5471	10.5862	842.4308	1.1697
09:37:56	272.41	4.15	456.17	140.42	86.69	74.16	953.39	30.9295	32.7408	20.8069	3.5519	10.5997	843.6184	1.1755
09:37:57	272.41	4.11	456.17	139.19	86.69	73.91	955.42	30.2885	32.0506	20.8069	3.5567	10.6128	844.7735	1.1813
09:37:58	272.41	4.08	456.17	136.75	87.91	74.16	955.42	29.8077	31.5255	20.8069	3.5614	10.6258	845.8991	1.1871
09:37:59	272.41	4.06	456.17	134.31	86.69	73.91	946.78	29.8474	31.3382	20.8069	3.5661	10.6386	847.0064	1.1928
09:38:00	327.35	4.04	456.17	131.87	86.69	74.40	744.92	29.4872	31.1559	20.8069	3.5707	10.6514	848.0989	1.1986
09:38:01	327.35	4.01	536.75	122.10	83.03	74.40	680.34	29.0064	30.6400	20.6938	3.5753	10.6640	849.1681	1.2044
09:38:02	327.23	4.04	536.26	109.89	78.14	73.91	704.24	28.6859	30.2966	16.1706	3.5807	10.6764	850.2203	1.2089
09:38:03	327.23	4.04	536.75	106.23	74.48	73.91	691.53	26.9231	28.4260	12.5520	3.5858	10.6901	851.2018	1.2124
09:38:04	327.23	4.06	536.26	103.79	70.82	73.91	687.46	24.6795	26.0866	7.9157	3.5905	10.7027	852.1080	1.2146
09:38:05	327.35	4.11	536.26	101.34	67.16	73.91	681.86	23.7179	25.0510	4.7494	3.5950	10.7148	852.9788	1.2159
09:38:06	327.23	4.14	536.26	100.12	64.71	73.91	679.32	22.9167	24.2122	2.4878	3.5993	10.7265	853.8254	1.2166
09:38:07	327.23	4.20	536.26	100.12	64.71	74.40	679.32	22.1154	23.3789	0.9046	3.6035	10.7377	854.6514	1.2168
09:38:08	327.35	4.26	536.26	97.68	64.71	73.91	678.31	21.6346	22.8814	0.1131	3.6076	10.7488	855.4669	1.2168
09:38:09	327.23	4.29	536.26	96.46	64.71	73.91	679.83	21.6346	22.8991	0.1131	3.6117	10.7598	856.2944	1.2169
09:38:10	335.90	4.33	536.26	96.46	63.49	73.91	681.36	21.3141	22.5763	0.1131	3.6158	10.7707	857.1210	1.2169
09:38:11	335.78	4.38	616.36	97.68	62.27	74.16	933.05	21.1538	22.4158	0.1131	3.6198	10.7815	857.9476	1.2169
09:38:12	335.90	4.42	616.36	101.34	64.71	74.16	1115.59	20.9936	22.2590	0.0000	3.6239	10.7922	858.7767	1.2169
09:38:13	335.90	4.45	616.36	117.22	73.26	73.91	1229.49	20.9936	22.2740	3.6186	3.6280	10.8046	859.6161	1.2179
09:38:14	335.78	4.47	616.36	140.42	84.25	74.16	1451.70	21.7949	23.1349	4.6363	3.6322	10.8174	860.4950	1.2192
09:38:15	335.90	4.49	616.36	214.90	102.56	74.16	1642.88	25.0000	26.5480	6.6718	3.6371	10.8321	861.5106	1.2211
09:38:16	335.90	4.49	616.36	214.90	102.56	74.16	1642.88	29.4872	31.3212	9.0465	3.6429	10.8495	862.7141	1.2236
09:38:17	335.90	4.52	616.85	870.57	280.83	73.91	1806.61	41.6667	44.2719	10.8558	3.6510	10.8740	864.4241	1.2266
09:38:18	335.78	4.52	616.36	1164.83	404.15	74.16	1779.15	41.6667	44.2719	10.8558	3.6592	10.8986	866.1341	1.2296
09:38:19	335.90	4.52	616.36	1338.22	473.75	73.91	1765.42	151.1218	160.6373	16.1706	3.6887	10.9877	872.3820	1.2341
09:38:20	309.89	4.53	534.80	1424.91	526.25	73.91	1865.59	205.9294	218.8959	17.6406	3.7289	11.1090	880.8958	1.2390
09:38:21	309.89	4.52	534.31	1543.34	578.75	74.16	1494.41	237.8205	252.7950	18.7714	3.7754	11.2491	890.7281	1.2442
09:38:22	309.89	4.51	534.31	1065.93	483.52	74.16	936.10	256.0897	272.2438	20.8069	3.8216	11.3801	901.3443	1.2500

09:38:23	310.01	4.51	534.31	742.37	385.84	74.16	941.70	278.5256	298.0490	21.3723	3.8718	11.5223	912.8589	1.2560
09:38:24	310.01	4.51	534.80	525.03	310.13	73.91	950.85	203.3654	216.1266	20.3545	3.9085	11.6262	921.2432	1.2616
09:38:25	309.89	4.50	534.80	337.00	228.33	74.16	954.92	148.0769	157.3688	20.4676	3.9352	11.7018	927.3481	1.2673
09:38:26	309.89	4.49	534.80	280.83	190.48	74.16	938.14	109.8154	116.4938	20.6938	3.9550	11.7578	931.8673	1.2730
09:38:27	310.01	4.46	534.80	241.76	166.06	73.91	937.12	74.1987	78.8425	20.8069	3.9684	11.7958	934.9179	1.2788
09:38:28	309.89	4.42	534.31	212.45	142.86	74.40	940.68	61.8590	65.7202	20.5807	3.9795	11.8274	937.4542	1.2845
09:38:29	309.89	4.39	534.31	191.70	125.76	74.16	941.70	53.5256	56.8432	20.4676	3.9892	11.8547	939.6326	1.2902
09:38:30	281.20	4.35	453.72	168.50	108.67	74.16	943.22	46.6346	49.5046	20.4676	3.9976	11.8785	941.5165	1.2959
09:38:31	281.20	4.32	453.72	163.61	102.56	74.40	943.22	41.6667	44.2080	20.5807	4.0051	11.8997	943.1839	1.3016
09:38:32	281.20	4.32	453.72	163.61	102.56	74.16	943.22	36.3782	38.5790	20.5807	4.0110	11.9155	944.6287	1.3073
09:38:33	281.32	4.24	454.21	150.18	94.02	74.16	944.24	34.9359	37.0322	20.6938	4.0167	11.9308	946.0044	1.3131
09:38:34	281.32	4.20	453.72	140.42	87.91	74.16	945.76	34.9359	37.0322	20.6938	4.0224	11.9457	947.3800	1.3188
09:38:35	281.32	4.15	453.72	133.09	85.47	74.40	946.78	32.0513	33.9411	20.6938	4.0276	11.9596	948.6192	1.3246
09:38:36	281.20	4.08	454.21	125.76	84.25	74.16	941.70	29.9679	31.7152	20.5807	4.0325	11.9725	949.7643	1.3303
09:38:37	281.32	4.06	454.21	122.10	83.03	73.91	939.15	28.6859	30.3396	20.5807	4.0372	11.9849	950.8476	1.3360
09:38:38	281.20	4.04	454.21	122.10	81.81	74.40	937.63	27.5641	29.1274	20.4676	4.0417	11.9968	951.8709	1.3417
09:38:39	281.20	3.99	453.72	125.76	81.81	73.91	936.10	26.9231	28.4398	20.4676	4.0461	12.0084	952.8634	1.3474
09:38:40	281.32	3.99	453.72	126.98	83.03	74.16	761.70	26.7628	28.2631	20.4676	4.0504	12.0200	953.8449	1.3531
09:38:41	311.48	3.98	533.33	119.66	79.37	74.16	727.12	27.2436	28.7545	20.4676	4.0548	12.0317	954.8329	1.3588
09:38:42	311.48	3.99	533.33	108.67	75.70	74.40	713.39	27.5641	29.0928	16.5098	4.0593	12.0436	955.8326	1.3633
09:38:43	311.48	3.99	532.84	105.01	74.48	74.40	699.66	26.1218	27.5649	10.8558	4.0640	12.0568	956.7751	1.3664
09:38:44	311.36	4.03	532.84	102.56	72.04	74.40	688.98	24.1987	25.5395	8.1418	4.0684	12.0690	957.6509	1.3686
09:38:45	311.48	4.04	532.84	101.34	68.38	73.91	682.88	23.5577	24.8630	5.5410	4.0728	12.0809	958.5035	1.3702
09:38:46	311.36	4.10	532.84	97.68	64.71	74.40	677.80	22.9167	24.2002	2.2616	4.0767	12.0925	959.3423	1.3708
09:38:47	311.36	4.12	533.33	97.68	64.71	74.16	680.34	22.2756	23.5269	1.1308	4.0808	12.1038	960.1602	1.3711
09:38:48	311.36	4.12	533.33	97.68	64.71	74.16	680.34	21.3141	22.5289	0.1131	4.0846	12.1146	960.9547	1.3711
09:38:49	311.36	4.21	533.33	97.68	64.71	74.16	681.86	21.3141	22.5347	0.1131	4.0884	12.1254	961.7532	1.3712
09:38:50	319.29	4.26	609.52	98.90	64.71	74.40	760.68	21.3141	22.5347	0.1131	4.0923	12.1362	962.5517	1.3712
09:38:51	319.29	4.29	610.01	103.79	65.93	74.16	1019.49	21.3141	22.5604	0.1131	4.0961	12.1471	963.3678	1.3712
09:38:52	319.29	4.33	610.01	119.66	72.04	73.91	1121.70	21.4744	22.7468	0.1131	4.1001	12.1595	964.2014	1.3713
09:38:53	319.41	4.36	610.01	142.86	76.92	74.16	1222.88	22.2756	23.6054	4.2971	4.1042	12.1725	965.0727	1.3725
09:38:54	319.29	4.37	609.52	184.37	88.69	74.16	1413.56	25.1603	26.6774	5.2017	4.1089	12.1871	966.0673	1.3739
09:38:55	319.41	4.41	610.01	236.87	100.12	73.91	1661.19	28.8461	30.5950	8.5587	4.1142	12.2039	967.2141	1.3757
09:38:56	319.41	4.41	610.01	236.87	100.12	74.16	1661.19	35.5769	37.7416	8.7072	4.1208	12.2246	968.6339	1.3781
09:38:57	319.29	4.41	610.01	849.82	261.29	74.16	1815.26	44.2308	46.9439	10.2904	4.1291	12.2503	970.4140	1.3810
09:38:58	319.29	4.42	610.01	1388.28	452.99	74.16	1788.31	44.2308	46.9439	10.2904	4.1373	12.2761	972.1941	1.3839
09:38:59	319.29	4.42	610.50	1560.44	521.37	73.91	1786.27	145.8333	154.7788	16.1706	4.1643	12.3610	978.0634	1.3884
09:39:00	288.28	4.44	610.01	1611.72	568.99	74.16	1910.85	241.6666	256.5304	18.3191	4.2092	12.5017	987.8169	1.3934
09:39:01	288.40	4.44	518.68	1692.31	630.04	74.40	1043.39	273.2371	290.0426	19.2237	4.2599	12.6610	998.8446	1.3988
09:39:02	288.40	4.44	518.68	1092.80	485.98	74.16	924.41	286.2179	303.8988	21.1461	4.3078	12.8277	1010.4604	1.4047
09:39:03	288.40	4.41	518.68	730.16	369.96	74.40	955.93	304.8076	323.6370	21.2592	4.3589	12.9787	1022.8306	1.4106
09:39:04	288.40	4.41	518.68	730.16	369.96	74.16	955.93	207.2115	220.0119	20.1284	4.3937	13.0813	1031.2400	1.4161
09:39:05	288.28	4.41	518.19	319.90	221.00	74.16	936.10	144.3910	153.2394	20.8069	4.4179	13.1528	1037.0509	1.4219
09:39:06	288.28	4.36	519.17	240.54	169.72	74.16	940.17	144.3910	153.2394	20.8069	4.4421	13.2243	1042.8618	1.4277
09:39:07	288.28	4.34	518.68	217.34	146.52	74.16	940.17	70.9936	75.3441	20.4676	4.4540	13.2594	1045.7188	1.4334
09:39:08	288.40	4.31	518.68	202.69	133.09	74.40	941.19	53.8461	57.1074	20.4676	4.4630	13.2860	1047.8594	1.4391
09:39:09	288.28	4.26	518.68	185.59	111.11	74.16	944.75	47.7564	50.6357	20.5807	4.4710	13.3097	1049.7489	1.4448
09:39:10	247.99	4.23	518.19	162.39	101.34	74.16	946.27	44.0705	46.7131	20.4676	4.4783	13.3314	1051.4827	1.4505
09:39:11	247.86	4.16	425.89	150.18	94.02	74.16	949.83	38.9423	41.2454	20.5807	4.4848	13.3507	1052.9927	1.4562
09:39:12	247.86	4.16	425.89	150.18	94.02	74.16	949.83	34.6154	36.6468	20.6938	4.4898	13.3678	1054.3257	1.4619
09:39:13	247.99	4.09	425.89	134.31	90.35	73.91	953.39	32.0513	33.9004	20.8069	4.4944	13.3807	1055.5383	1.4677
09:39:14	247.86	4.05	425.89	131.87	86.69	74.16	948.31	32.0513	33.9004	20.8069	4.4990	13.3937	1056.7510	1.4735
09:39:15	247.99	3.98	425.89	126.98	84.25	74.16	944.75	29.4872	31.1609	20.8069	4.5033	13.4057	1057.8478	1.4793
09:39:16	247.99	3.96	425.89	125.76	83.03	73.91	944.75	28.6859	30.2969	20.5807	4.5074	13.4173	1058.9031	1.4850
09:39:17	247.99	3.91	425.89	126.98	83.03	73.91	946.27	27.7244	29.2541	20.5807	4.5113	13.4285	1059.9043	1.4907
09:39:18	247.86	3.91	425.89	135.53	86.69	74.16	946.27	27.4038	28.9069	20.6938	4.5153	13.4395	1060.8878	1.4965
09:39:19	247.86	3.89	425.89	141.64	91.58	74.16	949.83	27.5641	29.0578	20.6938	4.5192	13.4507	1061.8648	1.5022
09:39:20	294.87	3.88	426.37	147.74	102.56	74.16	679.32	29.1667	30.7472	20.5807	4.5234	13.4625	1062.8985	1.5079
09:39:21	294.63	3.88	518.68	141.64	96.46	74.16	722.54	30.6090	32.2610	20.8069	4.5278	13.4748	1063.9789	1.5137
09:39:22	294.75	3.88	519.17	136.75	91.58	74.40	711.36	32.8525	34.6233	14.7005	4.5333	13.4881	1065.1348	1.5178
09:39:23	294.75	3.90	518.68	130.65	85.47	74.16	694.07	31.2500	32.9344	10.8558	4.5387	13.5034	1066.2343	1.5208
09:39:24	294.87	3.92	518.68	120.88	80.59	74.16	691.02	29.9679	31.5832	8.3680	4.5436	13.5182	1067.2888	1.5231
09:39:25	294.75	3.96	518.68	109.89	78.14	74.40	683.39	28.3654	29.9036	4.4102	4.5486	13.5321	1068.2932	1.5244
09:39:26	294.75	4.01	518.68	105.01	79.37	74.16	683.39	26.4423	27.8834	2.4878	4.5531	13.5452	1069.2344	1.5251
09:39:27	294.75	4.06	519.17	102.56	81.81	74.16	683.39	24.6795	26.0380	0.4523	4.5573	13.5573	1070.1220	1.5252
09:39:28	294.75	4.11	519.17	102.56	78.14	74.16	681.36	24.1987	25.5467	0.4523	4.5614	13.5692	1071.0033	1.5253
09:39:29	294.87	4.17	518.68	100.12	74.48	74.16	684.92	24.1987	25.5652	0.1131	4.5655	13.5812	1071.8971	1.5253
09:39:30	308.42	4.22	518.68	97.68	67.16	74.40	781.02	23.7179	25.0716	0.1131	4.5696	13.5929	1072.7830	1.5254
09:39:31	308.55	4.25	612.45	96.46	64.71	74.40	1015.42	22.9167	24.2446	0.0000	4.5735	13.6042	1073.6527	1.5254
09:39:32	308.55	4.30	612.94	98.90	65.93	74.40	1103.90	21.6346	22.9055	0.5654	4.5774	13.6149	1074.4851	1.5255
09:39:33	308.55	4.32	612.94	112.33	72.04	74.16	1252.88	21.1538	22.4046	4.2971	4.5811	13.6272	1075.3046	1.5267
09:39:34	308.55	4.35	612.45	134.31	76.92	74.16	1401.87	21.6346	22.9288	5.2017	4.5850	13.6398	1076.1517	1.5282

09:39:35	308.55	4.37	612.45	213.68	94.02	74.16	1670.85	24.1987	25.6520	7.0110	4.5894	13.6540	1077.1046	1.5301
09:39:36	308.55	4.40	612.45	374.85	131.87	73.91	1911.36	27.7244	29.4031	8.4811	4.5943	13.6702	1078.2057	1.5325
09:39:37	308.42	4.40	612.45	888.89	253.97	73.91	1804.58	40.3846	42.8368	11.1950	4.6016	13.6938	1079.8143	1.5356
09:39:38	308.55	4.42	612.45	1178.27	355.31	73.91	1815.76	66.5064	70.5736	12.8912	4.6135	13.7326	1082.4833	1.5392
09:39:39	308.42	4.44	612.94	1358.97	426.13	73.91	1861.02	150.0000	159.1732	16.8229	4.6404	13.8203	1088.5032	1.5438
09:39:40	271.92	4.44	612.45	1521.37	509.16	73.67	1616.44	201.2820	213.6577	18.0929	4.6765	13.9380	1096.6267	1.5488
09:39:41	271.92	4.44	526.50	1291.82	499.39	73.67	1002.71	234.2948	248.7517	19.7892	4.7185	14.0751	1106.1179	1.5543
09:39:42	271.92	4.44	526.50	881.56	385.84	73.67	963.56	266.5063	282.9318	20.8069	4.7606	14.2309	1116.9132	1.5601
09:39:43	271.92	4.42	526.98	495.73	284.49	73.67	957.97	235.0961	249.5857	21.1461	4.7977	14.3491	1126.4363	1.5659
09:39:44	271.92	4.42	526.98	495.73	284.49	73.91	957.97	166.3461	176.5985	20.9200	4.8240	14.4327	1133.1744	1.5718
09:39:45	271.79	4.42	526.01	373.63	240.54	73.91	946.78	102.4038	108.6984	21.0330	4.8402	14.4843	1137.3109	1.5776
09:39:46	271.79	4.38	526.50	268.62	173.38	73.91	946.78	102.4038	108.6984	21.0330	4.8564	14.5358	1141.4474	1.5834
09:39:47	271.92	4.38	526.50	230.77	141.64	73.91	939.66	80.6090	85.5638	20.5807	4.8691	14.5763	1144.7035	1.5892
09:39:48	271.92	4.33	526.50	199.02	118.44	74.16	931.53	58.0128	61.5405	20.5807	4.8783	14.6054	1147.0206	1.5949
09:39:49	271.79	4.32	526.50	163.61	98.90	73.67	931.53	46.8782	51.8504	20.5807	4.8860	14.6299	1148.9728	1.6006
09:39:50	271.92	4.26	526.01	148.96	92.80	73.91	932.54	41.6667	44.1752	20.3545	4.8926	14.6509	1150.6198	1.6063
09:39:51	255.31	4.24	440.05	139.19	87.91	73.91	935.09	34.4551	36.5219	20.3545	4.8980	14.6682	1151.9765	1.6119
09:39:52	255.31	4.20	439.56	135.53	86.69	73.67	939.66	31.7308	33.6081	20.3545	4.9030	14.6841	1153.2080	1.6176
09:39:53	255.43	4.15	440.05	135.53	83.03	73.91	942.20	29.8077	31.5605	20.4676	4.9074	14.6965	1154.3581	1.6232
09:39:54	255.31	4.12	440.05	131.87	83.03	73.67	944.24	29.1667	30.8674	20.4676	4.9117	14.7087	1155.4737	1.6289
09:39:55	255.31	4.07	440.05	130.65	84.25	73.43	945.76	28.6859	30.3397	20.4676	4.9160	14.7207	1156.5579	1.6346
09:39:56	255.43	4.03	440.05	136.75	86.69	73.91	940.68	28.2051	29.8158	20.4676	4.9202	14.7325	1157.6135	1.6403
09:39:57	255.43	4.00	440.05	141.64	87.91	73.67	938.64	28.2051	29.7988	20.5807	4.9243	14.7443	1158.6574	1.6460
09:39:58	255.31	3.95	439.56	139.19	86.69	73.91	938.64	29.3269	30.9647	20.5807	4.9286	14.7566	1159.7296	1.6517
09:39:59	255.31	3.93	439.56	135.53	85.47	73.91	938.64	30.1282	31.7992	20.4676	4.9331	14.7692	1160.8233	1.6574
09:40:00	255.31	3.91	440.05	133.09	83.03	73.91	751.53	29.6474	31.2723	20.4676	4.9375	14.7815	1161.8863	1.6631
09:40:01	293.28	3.91	530.89	117.22	76.92	73.67	723.56	29.0064	30.5882	20.4676	4.9417	14.7936	1162.9208	1.6688
09:40:02	293.28	3.91	530.89	109.89	74.48	73.91	706.27	28.3654	29.9045	16.2836	4.9459	14.8055	1163.9273	1.6733
09:40:03	293.28	3.91	530.89	105.01	70.82	73.91	693.05	25.4808	26.8652	10.6296	4.9502	14.8183	1164.8314	1.6763
09:40:04	293.16	3.95	530.89	105.01	69.60	73.67	692.03	24.1987	25.5135	8.2549	4.9543	14.8305	1165.6901	1.6786
09:40:05	293.28	3.96	530.89	103.79	68.38	73.91	685.42	23.0769	24.3308	5.6540	4.9582	14.8421	1166.5089	1.6801
09:40:06	293.28	4.03	530.89	102.56	67.16	73.67	680.34	22.9167	24.1731	3.0532	4.9621	14.8536	1167.3297	1.6810
09:40:07	293.28	4.04	530.89	100.12	65.93	73.67	678.31	22.5961	23.8399	1.0177	4.9659	14.8650	1168.1425	1.6813
09:40:08	293.28	4.09	530.89	98.90	64.71	73.91	679.83	22.2756	23.5225	0.4523	4.9697	14.8762	1168.9578	1.6814
09:40:09	293.28	4.15	530.89	95.24	64.71	73.67	679.83	21.7949	23.0184	0.1131	4.9734	14.8872	1169.7580	1.6814
09:40:10	293.28	4.19	530.89	95.24	64.71	73.91	686.44	21.4744	22.6940	0.1131	4.9771	14.8981	1170.5561	1.6814
09:40:11	291.33	4.23	618.32	95.24	63.49	73.67	926.44	20.9936	22.2043	0.1131	4.9806	14.9087	1171.3488	1.6815
09:40:12	291.33	4.27	618.32	101.34	68.38	73.43	1120.68	20.9936	22.2147	0.1131	4.9842	14.9193	1172.1487	1.6815
09:40:13	291.33	4.30	618.80	113.55	74.48	73.67	1228.98	20.8333	22.0576	3.5055	4.9877	14.9315	1172.9510	1.6825
09:40:14	291.21	4.34	618.80	159.95	84.25	73.91	1447.63	22.2756	23.5968	5.3148	4.9915	14.9447	1173.8173	1.6840
09:40:15	291.33	4.34	618.32	225.89	100.12	73.91	1618.98	24.6795	26.1541	6.6718	4.9957	14.9592	1174.7845	1.6858
09:40:16	291.33	4.34	618.32	377.29	136.75	73.43	1843.22	32.0513	33.9857	8.9334	5.0011	14.9781	1176.0538	1.6883
09:40:17	291.21	4.38	618.32	919.41	260.07	73.67	1821.87	42.7885	45.3709	10.7427	5.0083	15.0034	1177.7484	1.6913
09:40:18	291.33	4.39	618.32	1347.98	429.79	73.67	1718.14	67.4679	71.5398	12.3258	5.0197	15.0431	1180.4204	1.6947
09:40:19	291.21	4.39	618.32	1413.92	467.64	73.43	1836.10	154.8077	164.2272	16.3967	5.0459	15.1345	1186.6038	1.6993
09:40:20	263.37	4.37	618.32	1611.72	588.52	73.67	1803.56	233.3333	247.5693	17.9799	5.0854	15.2721	1195.9501	1.7043
09:40:21	263.37	4.37	520.63	1503.05	587.30	73.43	1082.54	246.9551	262.0221	19.6761	5.1272	15.4178	1205.8420	1.7097
09:40:22	263.25	4.37	520.63	1085.47	493.28	73.67	968.64	288.7820	306.3061	21.2592	5.1713	15.5882	1217.3543	1.7156
09:40:23	263.25	4.35	520.63	606.84	330.89	73.67	950.34	274.3589	291.0078	22.5031	5.2133	15.7244	1228.2917	1.7219
09:40:24	263.37	4.35	520.63	421.25	255.19	73.43	937.63	207.2115	219.7857	21.0330	5.2450	15.8273	1236.5522	1.7277
09:40:25	263.37	4.31	520.63	283.27	183.15	73.67	941.19	123.0769	130.5118	20.6938	5.2638	15.8884	1241.4355	1.7335
09:40:26	263.37	4.31	521.12	238.10	148.96	73.67	938.64	88.7820	94.1452	20.3545	5.2774	15.9325	1244.9580	1.7391
09:40:27	263.37	4.28	520.63	207.57	124.54	73.91	938.64	61.2179	64.8824	20.4676	5.2867	15.9629	1247.3639	1.7448
09:40:28	263.37	4.24	520.63	178.27	103.79	73.91	934.07	50.8013	53.8422	20.4676	5.2945	15.9881	1249.3604	1.7505
09:40:29	263.37	4.21	520.63	167.28	97.68	73.67	934.07	43.5897	46.1823	20.3545	5.3011	16.0098	1251.0620	1.7561
09:40:30	232.84	4.16	520.63	164.84	95.24	73.67	937.63	37.0192	39.2007	20.3545	5.3068	16.0281	1252.4932	1.7618
09:40:31	232.84	4.13	421.98	159.95	92.80	73.43	940.17	34.7756	36.8096	20.4676	5.3121	16.0454	1253.8272	1.7675
09:40:32	232.84	4.08	421.49	157.51	91.58	73.43	941.70	34.1346	36.1048	20.3545	5.3167	16.0623	1255.1199	1.7731
09:40:33	232.84	4.03	421.98	151.40	91.58	73.91	943.73	33.1731	35.0732	20.4676	5.3212	16.0756	1256.3663	1.7788
09:40:34	232.84	3.99	421.98	144.08	90.35	73.91	946.27	32.6923	34.5434	20.4676	5.3256	16.0887	1257.5799	1.7845
09:40:35	232.84	3.95	421.49	139.19	89.13	73.43	949.32	31.8910	33.6741	20.5807	5.3299	16.1014	1258.7482	1.7902
09:40:36	232.84	3.91	421.98	133.09	86.69	73.91	951.86	30.7692	32.4694	20.5807	5.3340	16.1138	1259.8617	1.7959
09:40:37	232.84	3.89	421.98	130.65	86.69	73.67	950.85	29.9679	31.6075	20.6938	5.3380	16.1257	1260.9350	1.8017
09:40:38	232.72	3.86	421.98	130.65	84.25	73.43	948.31	28.8461	30.4085	20.5807	5.3419	16.1373	1261.9574	1.8074
09:40:39	232.84	3.86	421.49	131.87	85.47	73.91	892.37	28.5256	30.0629	20.5807	5.3457	16.1487	1262.9631	1.8131
09:40:40	289.74	3.85	526.50	129.43	83.03	73.43	646.27	28.2051	29.7127	20.6938	5.3495	16.1600	1263.9491	1.8189
09:40:41	289.87	3.85	526.50	116.00	76.92	73.43	722.54	28.5256	30.0504	19.4499	5.3534	16.1714	1264.9463	1.8243
09:40:42	289.74	3.87	526.50	109.89	74.48	73.43	705.76	27.8846	29.3736	13.6828	5.3580	16.1853	1265.9180	1.8281
09:40:43	289.87	3.87	526.50	106.23	72.04	73.43	690.51	25.3205	26.6726	9.7250	5.3623	16.1979	1266.8005	1.8308
09:40:44	289.74	3.91	526.50	102.56	67.16	73.91	691.53	24.1987	25.4975	7.3503	5.3663	16.2100	1267.6483	1.8328
09:40:45	289.87	3.96	526.50	101.34	64.71	73.67	678.81	23.3974	24.6532	5.0886	5.3702	16.2216	1268.4681	1.8342
09:40:46	289.74	3.99	526.50	98.90	63.49	73.43	684.41	22.2756	23.4858	2.2616	5.3739	16.2328	1269.2585	1.8349

09:40:47	289.74	4.04	526.50	97.68	62.27	73.43	683.39	21.7949	22.9944	1.0177	5.3778	16.2436	1270.0424	1.8351
09:40:48	289.74	4.09	526.50	96.46	58.61	73.67	682.37	21.3141	22.4942	0.1131	5.3812	16.2543	1270.8138	1.8352
09:40:49	289.74	4.15	526.50	96.46	56.17	73.67	684.92	20.9936	22.1708	0.0000	5.3847	16.2648	1271.5837	1.8352
09:40:50	299.63	4.20	630.53	97.68	57.39	73.43	938.14	20.3526	21.5095	0.1131	5.3881	16.2750	1272.3409	1.8352
09:40:51	299.63	4.24	630.04	101.34	61.05	73.43	1110.51	20.0321	21.1883	0.1131	5.3914	16.2850	1273.0981	1.8352
09:40:52	299.63	4.26	630.53	113.55	65.93	73.67	1219.32	20.3526	21.5411	3.1663	5.3950	16.2972	1273.8766	1.8361
09:40:53	299.63	4.30	630.04	136.75	74.48	73.43	1424.75	21.3141	22.5693	4.8625	5.3987	16.3100	1274.6990	1.8375
09:40:54	299.63	4.32	630.04	202.69	91.58	73.43	1605.26	23.5577	24.9540	6.2194	5.4028	16.3242	1275.6143	1.8392
09:40:55	299.63	4.32	629.55	319.90	129.43	73.43	1825.42	27.7244	29.3828	7.6895	5.4076	16.3408	1276.7019	1.8413
09:40:56	299.76	4.35	630.04	814.41	252.75	73.43	1759.83	38.6218	40.9407	10.5165	5.4143	16.3640	1278.2227	1.8443
09:40:57	299.76	4.35	630.04	1018.31	333.33	73.67	1641.87	58.9744	62.5152	12.2127	5.4246	16.3994	1280.5450	1.8476
09:40:58	299.63	4.36	630.04	1097.68	388.28	73.43	1816.27	140.0641	148.5274	15.6051	5.4489	16.4636	1286.0974	1.8520
09:40:59	299.76	4.35	630.53	1285.71	468.86	73.67	1896.10	177.4037	188.1232	16.3967	5.4798	16.5902	1293.1300	1.8565
09:41:00	272.89	4.35	630.53	1467.64	592.19	73.67	1538.14	195.0320	206.8595	18.9976	5.5138	16.7074	1300.8907	1.8618
09:41:01	272.89	4.35	526.50	1218.56	548.23	73.43	958.98	230.2884	244.2161	20.5807	5.5538	16.8459	1310.0284	1.8675
09:41:02	272.89	4.33	526.98	704.52	363.86	73.43	913.73	270.3525	286.6891	20.8069	5.5967	17.0084	1320.7553	1.8733
09:41:03	272.89	4.33	526.50	489.62	277.17	73.67	934.58	231.8910	245.9035	20.4676	5.6334	17.1249	1329.9562	1.8790
09:41:04	272.89	4.31	526.50	356.53	196.58	73.67	947.29	140.2243	148.6592	20.0153	5.6556	17.1953	1335.4935	1.8846
09:41:05	272.89	4.31	526.50	255.19	162.39	73.43	953.90	100.6410	106.6948	20.3545	5.6716	17.2458	1339.4677	1.8902
09:41:06	272.89	4.28	526.50	205.13	128.21	73.43	936.61	72.5961	76.9391	20.5807	5.6831	17.2823	1342.3181	1.8959
09:41:07	272.89	4.25	526.50	183.15	112.33	73.67	936.61	54.8077	58.0865	20.9200	5.6917	17.3098	1344.4700	1.9017
09:41:08	272.89	4.20	526.98	167.28	102.56	73.67	937.63	43.7500	46.3481	20.3545	5.6987	17.3317	1346.1746	1.9074
09:41:09	273.02	4.17	526.98	156.29	95.24	73.43	937.63	38.7820	41.0702	20.4676	5.7046	17.3512	1347.6754	1.9131
09:41:10	257.39	4.14	526.50	148.96	89.13	73.43	938.64	35.4166	37.4810	20.4676	5.7104	17.3689	1349.0287	1.9188
09:41:11	257.39	4.11	424.42	145.30	86.69	73.67	940.17	33.0128	34.9244	20.4676	5.7156	17.3855	1350.2815	1.9244
09:41:12	257.39	4.04	424.42	142.86	85.47	73.67	942.71	31.2500	33.0432	20.4676	5.7203	17.4011	1351.4568	1.9301
09:41:13	257.39	4.01	424.42	140.42	84.25	73.67	945.25	30.4487	32.1859	20.5807	5.7248	17.4134	1352.5952	1.9358
09:41:14	257.39	3.95	423.93	140.42	84.25	73.67	948.31	29.9679	31.6482	20.5807	5.7293	17.4255	1353.6954	1.9416
09:41:15	257.39	3.93	423.93	139.19	84.25	73.91	951.36	29.4872	31.1260	20.5807	5.7337	17.4374	1354.7680	1.9473
09:41:16	257.39	3.90	424.42	139.19	83.03	73.67	952.37	29.4872	31.1018	20.5807	5.7380	17.4492	1355.8241	1.9530
09:41:17	257.39	3.87	424.42	137.97	83.03	73.43	936.61	29.3269	30.9247	20.8069	5.7424	17.4610	1356.8690	1.9588
09:41:18	257.39	3.86	424.42	136.75	81.81	73.67	936.61	29.1667	30.7462	20.6938	5.7467	17.4727	1357.9017	1.9645
09:41:19	257.51	3.84	423.93	131.87	80.59	73.67	737.80	29.0064	30.5630	20.4676	5.7510	17.4844	1358.9190	1.9702
09:41:20	305.86	3.84	424.42	123.32	78.14	73.91	657.46	28.6859	30.2206	20.5807	5.7553	17.4959	1359.9219	1.9759
09:41:21	305.86	3.84	512.33	113.55	75.70	73.43	722.03	27.8846	29.3688	15.9444	5.7594	17.5071	1360.8915	1.9804
09:41:22	305.86	3.84	512.33	108.67	74.48	73.43	699.15	26.4423	27.8522	12.6651	5.7641	17.5178	1361.8111	1.9839
09:41:23	305.86	3.86	512.33	102.56	70.82	73.67	698.10	24.8397	26.1642	9.3857	5.7685	17.5288	1362.6750	1.9865
09:41:24	305.86	3.89	511.84	102.56	67.16	73.67	686.44	24.0385	25.3202	7.0110	5.7727	17.5415	1363.5109	1.9884
09:41:25	305.74	3.92	512.33	101.34	67.16	73.43	679.32	22.7564	23.9772	3.2793	5.7767	17.5525	1364.3074	1.9893
09:41:26	305.86	3.96	512.33	100.12	65.93	73.43	679.32	22.2756	23.4792	1.2439	5.7807	17.5634	1365.0929	1.9897
09:41:27	305.86	4.01	512.33	98.90	64.71	73.91	681.36	22.1154	23.3212	0.2262	5.7846	17.5741	1365.8801	1.9898
09:41:28	305.86	4.05	512.33	98.90	64.71	73.67	681.36	21.7949	22.9927	0.4523	5.7884	17.5847	1366.6624	1.9899
09:41:29	305.86	4.07	512.33	98.90	64.71	73.67	679.83	21.4744	22.6710	0.1131	5.7922	17.5951	1367.4444	1.9899
09:41:30	312.45	4.13	512.33	101.34	64.71	73.67	880.17	21.4744	22.6816	0.1131	5.7960	17.6056	1368.2336	1.9899
09:41:31	312.58	4.15	600.73	102.56	65.93	73.67	998.14	21.4744	22.6898	0.1131	5.7998	17.6160	1369.0285	1.9900
09:41:32	312.58	4.19	600.73	119.66	73.26	73.43	1209.15	21.7949	23.0466	3.2793	5.8038	17.6267	1369.8475	1.9909
09:41:33	312.45	4.23	600.24	146.52	79.37	73.43	1363.22	22.1154	23.3928	4.2971	5.8078	17.6393	1370.6835	1.9921
09:41:34	312.58	4.26	600.73	194.14	90.35	73.67	1513.22	25.3205	26.7970	6.3325	5.8123	17.6538	1371.6501	1.9938
09:41:35	312.58	4.28	600.24	398.05	136.75	73.67	1816.27	29.6474	31.3908	7.9157	5.8177	17.6707	1372.7920	1.9960
09:41:36	312.33	4.31	600.73	744.81	212.45	73.43	1841.19	37.3397	39.5498	9.6119	5.8245	17.6921	1374.2399	1.9987
09:41:37	312.45	4.33	600.73	1153.85	338.22	73.67	1708.48	70.1923	74.3738	12.0997	5.8372	17.7322	1376.9802	2.0021
09:41:38	312.45	4.33	600.24	1365.08	448.89	73.43	1726.27	125.6410	133.1670	14.9267	5.8600	17.8042	1381.9137	2.0062
09:41:39	312.45	4.32	600.73	1405.37	481.07	73.67	1863.05	195.8333	207.6283	16.8491	5.8955	17.9164	1389.6475	2.0109
09:41:40	269.35	4.33	600.73	1660.56	722.83	73.91	1682.04	237.8205	252.1443	18.4322	5.9386	18.0525	1399.0395	2.0160
09:41:41	269.47	4.33	510.38	1442.00	708.18	73.43	976.78	247.5961	262.4680	20.1284	5.9835	18.1943	1408.7898	2.0216
09:41:42	269.35	4.33	510.38	796.09	444.44	73.91	945.25	312.8204	331.6353	21.4854	6.0324	18.3734	1421.1425	2.0276
09:41:43	269.35	4.33	510.38	544.57	328.01	73.67	950.34	282.2115	299.1854	20.9200	6.0766	18.5108	1432.2867	2.0334
09:41:44	269.35	4.31	510.38	391.94	250.31	73.67	951.86	162.8205	172.6135	20.5807	6.1020	18.5900	1438.7163	2.0391
09:41:45	269.35	4.29	510.38	269.84	178.27	73.91	912.71	114.2628	121.1353	20.6938	6.1199	18.6456	1443.2284	2.0448
09:41:46	269.35	4.29	510.38	233.21	158.73	73.91	925.42	84.2949	89.3464	20.9200	6.1331	18.6866	1446.5444	2.0507
09:41:47	269.35	4.26	510.38	217.34	140.42	73.91	928.47	58.8141	62.3192	20.0153	6.1423	18.7152	1448.8448	2.0562
09:41:48	269.35	4.21	510.38	191.70	112.33	73.91	928.47	51.4423	54.5081	20.1284	6.1503	18.7402	1450.8568	2.0618
09:41:49	269.35	4.17	510.38	181.93	102.56	73.67	936.10	46.9551	49.7304	20.2415	6.1576	18.7631	1452.6775	2.0674
09:41:50	260.20	4.14	510.38	164.84	92.80	73.91	944.75	39.8038	42.2339	20.3545	6.1639	18.7824	1454.2052	2.0731
09:41:51	260.32	4.09	418.07	159.95	91.58	73.67	948.81	37.3397	39.5016	20.4676	6.1697	18.8006	1455.6222	2.0788
09:41:52	260.32	4.04	418.07	152.63	90.35	73.91	939.15	33.8141	35.7585	20.5807	6.1748	18.8170	1456.8952	2.0845
09:41:53	260.32	4.01	418.07	145.30	87.91	73.67	935.09	33.0128	34.8857	20.6938	6.1798	18.8301	1458.1220	2.0902
09:41:54	260.44	3.96	418.07	140.42	86.69	74.16	938.64	31.8910	33.6793	20.5807	6.1846	18.8428	1459.2928	2.0960
09:41:55	260.32	3.92	418.07	133.09	85.47	73.67	938.64	30.6090	32.3120	20.4676	6.1892	18.8549	1460.4074	2.1016
09:41:56	260.32	3.89	418.07	135.53	83.03	73.67	939.68	29.8077	31.4433	20.4676	6.1938	18.8667	1461.4772	2.1073
09:41:57	260.32	3.87	418.07	134.31	81.81	73.67	943.73	28.6859	30.2474	20.4676	6.1980	18.8781	1462.4982	2.1130
09:41:58	260.32	3.87	418.07	134.31	81.81	73.91	943.73	28.6859	30.2317	20.3545	6.2023	18.8895	1463.5086	2.1187

09:41:59	260.32	3.84	418.07	133.09	83.03	73.91	745.93	28.3654	29.8877	20.5807	6.2065	18.9007	1464.5034	2.1244
09:42:00	300.73	3.82	514.77	130.65	85.47	74.16	721.53	28.3654	29.8877	20.5807	6.2108	18.9119	1465.4982	2.1301
09:42:01	300.73	3.84	514.77	125.76	86.69	73.67	708.81	28.3654	29.8769	16.2836	6.2150	18.9232	1466.4856	2.1346
09:42:02	300.73	3.85	514.77	122.10	85.47	73.91	694.58	28.3654	29.8714	10.7427	6.2200	18.9370	1467.4679	2.1376
09:42:03	300.73	3.89	514.77	117.22	84.25	73.91	693.05	27.8846	29.3712	8.1418	6.2248	18.9506	1468.4376	2.1399
09:42:04	300.73	3.90	514.77	111.11	81.81	74.16	689.49	27.2436	28.7004	5.6540	6.2295	18.9639	1469.3881	2.1414
09:42:05	300.73	3.95	515.26	107.45	78.14	73.91	683.39	26.4423	27.8693	3.3924	6.2341	18.9768	1470.3194	2.1424
09:42:06	300.73	3.98	514.29	102.56	74.48	73.67	683.39	25.3205	26.6939	1.3570	6.2385	18.9892	1471.2160	2.1428
09:42:07	300.73	4.02	514.77	102.56	70.82	73.91	685.42	24.3590	25.6948	0.2262	6.2427	19.0011	1472.0885	2.1428
09:42:08	300.61	4.07	514.29	102.56	68.38	73.91	682.88	23.2372	24.5204	0.1131	6.2468	19.0124	1472.9269	2.1429
09:42:09	300.73	4.12	514.29	101.34	67.16	73.91	681.86	22.7564	24.0280	0.1131	6.2507	19.0235	1473.7582	2.1429
09:42:10	309.40	4.15	514.77	102.56	68.38	73.67	684.92	22.4359	23.7043	0.1131	6.2546	19.0345	1474.5878	2.1429
09:42:11	309.40	4.20	612.45	107.45	73.26	73.91	682.37	22.1154	23.3802	0.1131	6.2585	19.0453	1475.4155	2.1429
								22.4359	23.7317	0.1131	6.2625	19.0563	1476.2636	2.1430
								23.7179	25.1021	0.1131	6.2668	19.0701	1477.1699	2.1430

09-MAY-93 09:52 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number : 1054
Test options: Dilute Modal Bag Diesel Auxiliary data Second by Second Data Particulate sampling Smoke meter

TEST TIME (s)	--DILUTE CONCENTRATIONS-- HC (ppm)	CO (ppm)	NOx (ppm)	CO2 (%)	--------MODAL GRAMS-------- HC	CO	NOx	CO2	EXH VOL (Cu.f)	DIL. RATIO	A/F RATIO	DRIV. VIDL. (s)	DIST-ANCE (Mi)	SPEED	FUEL Mpg-US Gal/Hr	SMOKE MTR (%)	----AUXILIARY SIGNALS---- OIL			
0 DL	4.4	4.9	15.0	0.14	0.003	0.008	0.04	3.54	48.44	74.36	22.61	0.0	0.000	0.0	1.26	2.99	188.8	0.0	0.0	0.0
1 DL	4.4	4.9	15.0	0.14	0.003	0.008	0.04	3.54	48.43	74.41	22.62	0.0	0.000	0.0	1.26	3.01	188.8	0.0	0.0	0.0
2 DL	4.4	4.9	15.0	0.14	0.003	0.008	0.04	3.54	48.44	74.42	22.62	0.0	0.000	0.0	1.26	3.08	188.8	0.0	0.0	0.0
3 DL	4.4	4.9	15.1	0.14	0.003	0.008	0.04	3.54	48.44	74.36	22.61	0.0	0.000	0.0	1.26	3.03	188.8	0.0	0.0	0.0
4 DL	4.4	4.8	15.1	0.14	0.003	0.008	0.04	3.55	48.44	74.26	22.60	0.0	0.000	0.0	1.26	3.10	188.8	0.0	0.0	0.0
5 DL	4.4	4.8	15.1	0.14	0.003	0.008	0.04	3.55	48.43	74.28	22.60	0.0	0.000	0.0	1.26	3.15	188.8	0.0	0.0	0.0
6 DL	4.4	4.7	15.0	0.14	0.003	0.008	0.04	3.55	48.44	74.32	22.61	0.0	0.000	0.0	1.26	2.93	188.7	0.0	0.0	0.0
7 DL	4.4	4.7	14.9	0.14	0.003	0.008	0.04	3.54	48.44	74.42	22.62	0.0	0.000	0.0	1.26	3.01	188.6	0.0	0.0	0.0
8 DL	4.4	4.8	14.9	0.14	0.003	0.008	0.04	3.54	48.44	74.50	22.62	0.0	0.000	0.0	1.26	3.02	188.6	0.0	0.0	0.0
9 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.54	48.43	74.48	22.62	0.0	0.000	0.0	1.26	3.07	188.6	0.0	0.0	0.0
10 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.54	48.44	74.43	22.62	0.0	0.000	0.0	1.26	2.98	188.6	0.0	0.0	0.0
11 DL	4.4	4.8	14.9	0.14	0.003	0.008	0.04	3.54	48.44	74.38	22.61	0.0	0.000	0.0	1.26	3.02	188.6	0.0	0.0	0.0
12 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.54	48.43	74.43	22.62	0.0	0.000	0.0	1.26	2.98	188.6	0.0	0.0	0.0
13 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.54	48.43	74.39	22.61	0.0	0.000	0.0	1.26	3.03	188.6	0.0	0.0	0.0
14 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.55	48.44	74.35	22.61	0.0	0.000	0.0	1.26	3.11	188.7	0.0	0.0	0.0
15 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.55	48.43	74.33	22.61	0.0	0.000	0.0	1.26	2.93	188.7	0.0	0.0	0.0
16 DL	4.4	4.8	15.0	0.14	0.003	0.008	0.04	3.55	48.44	74.30	22.61	0.0	0.000	0.0	1.26	3.02	188.7	0.0	0.0	0.0
17 DL	4.4	4.8	15.1	0.14	0.003	0.008	0.04	3.55	48.44	74.34	22.61	0.0	0.000	0.0	1.26	3.02	188.7	0.0	0.0	0.0
18 DL	4.4	4.9	15.1	0.14	0.004	0.008	0.04	3.54	48.43	74.40	22.61	0.0	0.000	0.0	1.26	2.97	188.6	0.0	0.0	0.0
19 DL	4.5	5.2	15.4	0.14	0.004	0.008	0.04	3.55	48.43	74.32	22.61	0.0	0.000	0.0	1.26	3.04	188.6	0.0	0.0	0.0
20 DL	4.6	6.7	17.3	0.14	0.004	0.011	0.05	3.62	48.43	73.03	22.50	0.0	0.000	1.0	0.67	3.02	188.6	0.0	0.0	0.0
21 DL	5.0	11.0	22.4	0.16	0.004	0.018	0.06	3.93	48.43	68.35	22.12	0.0	0.001	3.7	2.61	3.26	188.6	0.0	0.0	0.0
22 DL	5.7	20.9	31.0	0.18	0.005	0.033	0.08	4.64	48.43	59.57	21.44	0.0	0.001	4.9	2.91	6.54	188.7	0.0	0.0	0.0
23 DL	6.8	44.8	41.9	0.23	0.005	0.072	0.11	5.95	48.90	48.55	20.63	0.0	0.002	6.3	2.93	11.26	188.7	0.0	0.0	0.0
24 DL	8.0	84.2	54.5	0.31	0.006	0.134	0.14	7.84	48.44	37.56	19.90	0.0	0.002	8.1	2.82	14.12	188.7	0.0	0.0	0.0
25 DL	9.4	123.7	74.7	0.43	0.007	0.198	0.20	10.72	48.44	28.27	19.32	0.0	0.003	10.1	2.56	17.45	188.7	0.0	0.0	0.0
26 DL	10.9	142.3	110.7	0.58	0.009	0.227	0.29	14.57	48.44	21.32	18.93	0.0	0.003	12.1	2.27	19.17	188.5	0.0	0.0	0.0
27 DL	12.3	135.4	151.4	0.76	0.010	0.216	0.40	18.95	48.43	16.68	18.67	0.0	0.004	15.5	2.24	23.78	188.4	0.0	0.0	0.0
28 DL	13.3	116.0	170.7	0.91	0.011	0.185	0.45	22.84	48.41	13.99	18.53	0.0	0.005	17.5	2.12	21.87	188.4	0.0	0.0	0.0
29 DL	14.0	94.9	162.9	1.02	0.011	0.151	0.43	25.49	48.39	12.61	18.46	0.0	0.005	19.1	2.09	15.73	188.6	0.0	0.0	0.0
30 DL	14.1	75.7	129.7	1.05	0.011	0.121	0.34	26.25	48.37	12.28	18.45	0.0	0.006	19.9	2.13	10.02	188.7	0.0	0.0	0.0
31 DL	13.3	59.8	89.6	0.98	0.011	0.095	0.23	24.47	48.35	13.15	18.49	0.0	0.006	20.5	2.35	5.57	188.8	0.0	0.0	0.0
32 DL	12.2	46.6	61.4	0.84	0.010	0.074	0.16	21.08	48.35	15.21	18.61	0.0	0.005	19.7	2.62	3.28	188.8	0.0	0.0	0.0
33 DL	11.0	36.5	43.4	0.69	0.009	0.058	0.11	17.42	48.36	18.26	18.78	0.0	0.006	19.8	3.20	2.32	188.9	0.0	0.0	0.0
34 DL	10.0	30.0	34.8	0.57	0.008	0.048	0.09	14.27	48.37	22.01	18.99	0.0	0.006	20.0	3.94	2.16	189.0	0.0	0.0	0.0
35 DL	9.3	25.9	31.6	0.49	0.007	0.041	0.08	12.16	48.37	25.52	19.20	0.0	0.006	20.1	4.64	2.64	189.1	0.0	0.0	0.0
36 DL	8.7	22.4	29.5	0.43	0.007	0.036	0.08	10.85	48.37	28.33	19.37	0.0	0.006	20.0	5.18	2.93	189.3	0.0	0.0	0.0
37 DL	8.3	19.0	26.4	0.39	0.007	0.030	0.07	9.81	48.37	31.08	19.54	0.0	0.006	19.9	5.70	2.57	189.4	0.0	0.0	0.0
38 DL	8.1	16.3	23.5	0.35	0.006	0.026	0.06	8.77	48.38	34.42	19.74	0.0	0.006	19.9	6.39	2.09	189.6	0.0	0.0	0.0
39 DL	7.9	14.7	22.0	0.31	0.006	0.023	0.06	7.87	48.38	37.88	19.96	0.0	0.006	20.0	7.12	1.98	189.7	0.0	0.0	0.0
40 DL	7.8	13.5	21.5	0.29	0.006	0.022	0.06	7.31	48.38	40.48	20.13	0.0	0.006	20.0	7.67	1.97	189.7	0.0	0.0	0.0
41 DL	7.6	12.3	21.5	0.28	0.006	0.020	0.06	6.95	48.39	42.29	20.25	0.0	0.006	19.9	8.06	2.05	189.8	0.0	0.0	0.0
42 DL	7.5	11.3	21.6	0.27	0.006	0.018	0.06	6.65	48.40	44.00	20.36	0.0	0.006	20.0	8.44	2.03	189.9	0.0	0.0	0.0
43 DL	7.4	10.5	21.6	0.25	0.006	0.017	0.06	6.35	48.40	45.76	20.48	0.0	0.006	20.0	8.83	2.04	189.9	0.0	0.0	0.0
44 DL	7.3	10.1	21.6	0.25	0.006	0.016	0.06	6.16	48.41	47.02	20.57	0.0	0.006	20.0	9.11	2.11	190.0	0.0	0.0	0.0
45 DL	7.3	9.7	21.4	0.24	0.006	0.015	0.06	6.04	48.41	47.81	20.62	0.0	0.006	20.0	9.30	2.15	190.0	0.0	0.0	0.0

46	DL	7.2	9.1	21.4	0.24	0.006	0.015	0.06	5.93	48.42	48.59	20.67	0.0	0.006	20.0	9.49	2.05	190.1	0.0	0.0	0.0
47	DL	7.1	8.6	21.2	0.23	0.006	0.014	0.06	5.80	48.43	49.54	20.74	0.0	0.006	20.0	9.69	2.06	190.1	0.0	0.0	0.0
48	DL	7.0	8.1	20.8	0.23	0.006	0.013	0.05	5.66	48.43	50.56	20.81	0.0	0.006	20.0	9.94	2.08	190.2	0.0	0.0	0.0
49	DL	6.9	7.8	19.2	0.22	0.005	0.012	0.05	5.52	48.43	51.70	20.89	0.0	0.005	18.8	9.63	2.05	190.2	0.0	0.0	0.0
50	DL	6.7	7.5	16.7	0.21	0.005	0.012	0.04	5.27	48.46	53.78	21.04	0.0	0.004	13.7	7.43	1.89	190.3	0.0	0.0	0.0
51	DL	6.6	7.7	13.6	0.19	0.005	0.012	0.04	4.85	48.46	57.63	21.31	0.0	0.003	8.9	5.28	1.56	190.3	0.0	0.0	0.0
52	DL	6.5	8.0	12.4	0.17	0.005	0.013	0.03	4.34	48.46	63.14	21.72	0.0	0.001	5.2	3.46	2.46	190.3	0.0	0.0	0.0
53	DL	6.3	7.9	12.2	0.16	0.005	0.013	0.03	3.97	48.47	67.89	22.09	0.0	0.001	2.4	1.75	3.53	190.4	0.0	0.0	0.0
54	DL	6.1	7.5	12.5	0.15	0.005	0.012	0.03	3.77	48.47	70.69	22.31	0.0	0.000	1.0	0.78	2.95	190.4	0.0	0.0	0.0
55	DL	5.9	7.2	13.3	0.15	0.005	0.012	0.03	3.69	48.48	71.91	22.41	0.0	0.000	0.1	0.10	2.92	190.4	0.0	0.0	0.0
56	DL	5.7	6.9	14.1	0.15	0.005	0.011	0.04	3.66	48.48	72.46	22.45	0.0	0.000	0.0	0.01	2.76	190.5	0.0	0.0	0.0
57	DL	5.6	6.6	14.7	0.14	0.004	0.011	0.04	3.64	48.49	72.78	22.48	0.0	0.000	0.0	1.30	2.79	190.5	0.0	0.0	0.0
58	DL	5.5	6.5	15.1	0.14	0.004	0.010	0.04	3.63	48.49	72.86	22.49	0.0	0.000	0.0	1.30	2.90	190.6	0.0	0.0	0.0
59	DL	5.4	6.8	15.7	0.15	0.004	0.011	0.04	3.64	48.50	72.71	22.48	0.0	0.000	0.0	1.30	2.83	190.6	0.0	0.0	0.0
60	DL	5.5	8.6	18.2	0.15	0.004	0.014	0.05	3.74	48.50	71.12	22.34	0.0	0.000	1.2	0.73	2.76	190.6	0.0	0.0	0.0
61	DL	5.8	13.9	24.4	0.16	0.005	0.022	0.06	4.12	48.50	65.86	21.92	0.0	0.001	4.0	2.68	3.11	190.6	0.0	0.0	0.0
62	DL	6.3	22.6	32.8	0.20	0.005	0.036	0.09	5.00	48.49	56.11	21.18	0.0	0.001	5.2	2.84	6.32	190.6	0.0	0.0	0.0
63	DL	7.0	38.9	42.3	0.25	0.006	0.062	0.11	6.37	48.51	45.50	20.44	0.0	0.002	6.4	2.75	9.33	190.6	0.0	0.0	0.0
64	DL	8.0	68.2	53.3	0.32	0.006	0.109	0.14	8.15	48.50	36.44	19.84	0.0	0.002	8.1	2.71	11.07	190.6	0.0	0.0	0.0
65	DL	9.2	104.3	70.1	0.41	0.007	0.167	0.18	10.42	48.51	29.06	19.38	0.0	0.003	9.9	2.60	13.58	190.6	0.0	0.0	0.0
66	DL	10.7	128.6	101.9	0.54	0.008	0.206	0.27	13.65	48.51	22.70	19.01	0.0	0.003	12.0	2.40	14.63	190.6	0.0	0.0	0.0
67	DL	12.3	130.0	147.3	0.72	0.010	0.208	0.39	18.11	48.49	17.47	18.72	0.0	0.004	15.0	2.28	14.40	190.6	0.0	0.0	0.0
68	DL	13.6	115.9	180.5	0.91	0.011	0.185	0.47	22.87	48.49	14.01	18.53	0.0	0.005	17.3	2.10	12.98	190.8	0.0	0.0	0.0
69	DL	14.7	97.8	185.1	1.05	0.012	0.156	0.49	26.38	48.46	12.22	18.44	0.0	0.005	19.2	2.03	11.54	191.1	0.0	0.0	0.0
70	DL	15.1	80.2	157.3	1.10	0.012	0.128	0.41	27.69	48.44	11.67	18.41	0.0	0.006	20.2	2.05	9.24	191.3	0.0	0.0	0.0
71	DL	14.5	64.8	118.0	1.05	0.011	0.103	0.31	26.29	48.41	12.29	18.45	0.0	0.006	21.5	2.30	6.09	191.4	0.0	0.0	0.0
72	DL	13.2	51.1	82.6	0.92	0.010	0.082	0.22	23.01	48.42	14.00	18.54	0.0	0.006	20.2	2.48	4.11	191.4	0.0	0.0	0.0
73	DL	11.9	39.7	53.1	0.76	0.009	0.063	0.14	19.03	48.43	16.82	18.70	0.0	0.006	20.0	2.95	2.58	191.5	0.0	0.0	0.0
74	DL	10.8	31.8	35.2	0.60	0.009	0.051	0.09	15.17	48.43	20.84	18.92	0.0	0.006	20.1	3.71	1.88	191.5	0.0	0.0	0.0
75	DL	10.1	26.9	26.8	0.49	0.008	0.043	0.07	12.29	48.44	25.32	19.19	0.0	0.006	20.0	4.57	1.72	191.7	0.0	0.0	0.0
76	DL	9.6	23.5	23.4	0.42	0.008	0.038	0.06	10.51	48.45	29.23	19.42	0.0	0.006	20.0	5.34	1.80	191.8	0.0	0.0	0.0
77	DL	9.2	20.5	22.2	0.37	0.007	0.033	0.06	9.32	48.45	32.57	19.63	0.0	0.006	19.9	6.01	1.94	191.9	0.0	0.0	0.0
78	DL	9.0	17.6	21.7	0.34	0.007	0.028	0.06	8.42	48.46	35.70	19.82	0.0	0.006	20.0	6.65	1.98	192.0	0.0	0.0	0.0
79	DL	8.8	15.4	21.6	0.30	0.007	0.025	0.06	7.65	48.46	38.91	20.03	0.0	0.006	19.9	7.31	1.97	192.1	0.0	0.0	0.0
80	DL	8.7	14.1	21.7	0.28	0.007	0.022	0.06	7.04	48.45	41.85	20.22	0.0	0.006	19.9	7.95	2.07	192.2	0.0	0.0	0.0
81	DL	8.5	13.2	21.7	0.27	0.007	0.021	0.06	6.66	48.47	43.92	20.36	0.0	0.006	19.9	8.39	2.10	192.2	0.0	0.0	0.0
82	DL	8.4	12.5	21.6	0.26	0.007	0.020	0.06	6.45	48.47	45.19	20.44	0.0	0.006	19.9	8.67	2.20	192.2	0.0	0.0	0.0
83	DL	8.3	11.8	21.7	0.25	0.007	0.019	0.06	6.30	48.46	46.12	20.50	0.0	0.006	19.9	8.88	2.21	192.2	0.0	0.0	0.0
84	DL	8.2	10.9	22.0	0.24	0.006	0.017	0.06	6.15	48.46	47.09	20.57	0.0	0.006	20.0	9.12	2.22	192.2	0.0	0.0	0.0
85	DL	8.1	10.3	22.3	0.24	0.006	0.016	0.06	5.99	48.47	48.16	20.64	0.0	0.006	20.0	9.36	2.32	192.2	0.0	0.0	0.0
86	DL	8.0	10.0	22.7	0.23	0.006	0.016	0.06	5.87	48.46	49.01	20.70	0.0	0.006	20.0	9.57	2.44	192.2	0.0	0.0	0.0
87	DL	8.0	9.8	22.9	0.23	0.006	0.016	0.06	5.83	48.47	49.31	20.72	0.0	0.006	20.0	9.65	2.40	192.2	0.0	0.0	0.0
88	DL	7.9	9.3	22.6	0.23	0.006	0.015	0.06	5.82	48.47	49.42	20.73	0.0	0.006	20.1	9.69	2.46	192.3	0.0	0.0	0.0
89	DL	7.7	8.8	20.7	0.23	0.006	0.014	0.05	5.71	48.47	50.21	20.79	0.0	0.005	17.9	8.91	2.44	192.3	0.0	0.0	0.0
90	DL	7.4	8.4	17.8	0.22	0.006	0.013	0.05	5.41	48.47	52.57	20.95	0.0	0.004	12.9	6.78	2.29	192.3	0.0	0.0	0.0
91	DL	7.3	8.3	14.2	0.20	0.006	0.013	0.04	4.91	48.47	57.10	21.27	0.0	0.002	8.5	4.98	1.72	192.2	0.0	0.0	0.0
92	DL	7.1	8.1	12.4	0.17	0.006	0.013	0.03	4.37	48.47	62.81	21.70	0.0	0.001	4.8	3.24	2.69	192.3	0.0	0.0	0.0
93	DL	6.9	7.7	11.8	0.16	0.005	0.012	0.03	4.00	48.47	67.42	22.05	0.0	0.001	2.2	1.58	2.83	192.3	0.0	0.0	0.0
94	DL	6.7	7.3	12.4	0.15	0.005	0.012	0.03	3.78	48.47	70.63	22.31	0.0	0.000	0.8	0.68	2.82	192.3	0.0	0.0	0.0
95	DL	6.5	6.9	13.1	0.15	0.005	0.011	0.03	3.65	48.47	72.58	22.46	0.0	0.000	0.1	0.06	3.12	192.3	0.0	0.0	0.0
96	DL	6.3	6.7	14.0	0.14	0.005	0.011	0.04	3.58	48.48	73.75	22.56	0.0	0.000	0.0	1.28	3.06	192.3	0.0	0.0	0.0
97	DL	6.1	6.7	14.8	0.14	0.005	0.011	0.04	3.57	48.49	73.80	22.56	0.0	0.000	0.0	1.27	3.09	192.3	0.0	0.0	0.0
98	DL	6.0	6.6	15.3	0.14	0.005	0.011	0.04	3.62	48.48	73.00	22.50	0.0	0.000	0.0	1.29	3.16	192.3	0.0	0.0	0.0
99	DL	5.9	6.7	16.1	0.15	0.005	0.011	0.04	3.68	48.49	72.18	22.43	0.0	0.000	0.0	1.31	3.15	192.3	0.0	0.0	0.0
100	DL	5.9	8.0	18.5	0.15	0.005	0.013	0.05	3.79	48.48	70.39	22.29	0.0	0.000	1.2	0.76	2.99	192.2	0.0	0.0	0.0
101	DL	6.1	11.3	23.6	0.16	0.005	0.018	0.06	4.12	48.48	65.79	21.92	0.0	0.001	3.7	2.50	3.40	192.2	0.0	0.0	0.0
102	DL	6.5	19.9	31.5	0.19	0.005	0.032	0.08	4.82	48.49	57.80	21.31	0.0	0.001	4.7	2.68	5.74	192.2	0.0	0.0	0.0
103	DL	7.2	42.9	41.9	0.24	0.006	0.069	0.11	5.95	48.48	48.09	20.61	0.0	0.002	6.2	2.86	7.19	192.2	0.0	0.0	0.0
104	DL	8.1	82.6	54.6	0.31	0.006	0.132	0.14	7.76	48.49	37.93	19.93	0.0	0.002	8.1	2.82	12.79	192.2	0.0	0.0	0.0

105	DL	9.1	125.5	71.8	0.42	0.007	0.201	0.19	10.51	48.49	28.78	19.35	0.0	0.003	9.9	2.56	15.79	192.2	0.0	0.0	0.0
106	DL	10.5	152.0	103.8	0.57	0.008	0.243	0.27	14.27	48.48	21.72	18.94	0.0	0.003	11.9	2.27	15.50	192.1	0.0	0.0	0.0
107	DL	12.0	153.1	149.2	0.75	0.009	0.245	0.39	18.84	48.47	16.77	18.67	0.0	0.004	15.0	2.18	14.53	192.0	0.0	0.0	0.0
108	DL	13.4	137.3	184.6	0.92	0.011	0.219	0.48	23.16	48.45	13.80	18.52	0.0	0.005	17.4	2.08	12.21	192.1	0.0	0.0	0.0
109	DL	14.5	113.4	190.7	1.06	0.011	0.181	0.50	26.51	48.44	12.14	18.43	0.0	0.005	19.4	2.03	11.06	192.3	0.0	0.0	0.0
110	DL	14.7	88.4	157.4	1.12	0.012	0.141	0.41	27.98	48.41	11.55	18.41	0.0	0.006	20.3	2.03	10.25	192.4	0.0	0.0	0.0
111	DL	14.0	68.2	111.8	1.05	0.011	0.109	0.29	26.32	48.39	12.27	18.45	0.0	0.006	21.0	2.24	6.61	192.4	0.0	0.0	0.0
112	DL	12.7	53.7	74.3	0.90	0.010	0.086	0.19	22.60	48.39	14.23	18.55	0.0	0.006	20.0	2.48	3.85	192.4	0.0	0.0	0.0
113	DL	11.6	43.4	50.9	0.75	0.009	0.069	0.13	18.78	48.39	17.00	18.71	0.0	0.006	20.3	3.03	2.53	192.5	0.0	0.0	0.0
114	DL	10.6	35.1	39.3	0.63	0.008	0.056	0.10	15.74	48.41	20.08	18.88	0.0	0.006	20.3	3.62	2.42	192.7	0.0	0.0	0.0
115	DL	10.0	28.3	32.7	0.53	0.008	0.045	0.09	13.37	48.40	23.41	19.07	0.0	0.006	20.2	4.26	2.48	192.8	0.0	0.0	0.0
116	DL	9.5	23.2	27.9	0.45	0.008	0.037	0.07	11.41	48.41	27.11	19.29	0.0	0.006	20.1	4.95	2.32	192.9	0.0	0.0	0.0
117	DL	9.2	19.9	24.0	0.39	0.007	0.032	0.06	9.84	48.42	31.03	19.53	0.0	0.006	20.0	5.72	2.02	193.1	0.0	0.0	0.0
118	DL	9.0	17.6	21.3	0.35	0.007	0.028	0.06	8.71	48.42	34.62	19.75	0.0	0.006	20.0	6.45	1.92	193.2	0.0	0.0	0.0
119	DL	8.9	15.8	20.0	0.32	0.007	0.025	0.05	7.95	48.42	37.57	19.94	0.0	0.006	19.9	7.05	1.94	193.2	0.0	0.0	0.0
120	DL	8.8	13.9	19.5	0.29	0.007	0.022	0.05	7.36	48.43	40.25	20.11	0.0	0.006	19.9	7.61	1.99	193.3	0.0	0.0	0.0
121	DL	8.7	12.4	19.3	0.27	0.007	0.020	0.05	6.80	48.42	43.14	20.30	0.0	0.006	19.9	8.23	2.03	193.3	0.0	0.0	0.0
122	DL	8.5	11.4	19.4	0.25	0.007	0.018	0.05	6.34	48.43	45.85	20.49	0.0	0.006	19.9	8.81	1.98	193.3	0.0	0.0	0.0
123	DL	8.4	10.7	19.4	0.24	0.007	0.017	0.05	6.06	48.43	47.68	20.61	0.0	0.006	19.9	9.21	1.99	193.4	0.0	0.0	0.0
124	DL	8.3	10.1	19.6	0.23	0.007	0.016	0.05	5.89	48.43	48.85	20.69	0.0	0.006	19.9	9.49	2.03	193.4	0.0	0.0	0.0
125	DL	8.3	9.4	20.0	0.23	0.007	0.015	0.05	5.75	48.44	49.86	20.76	0.0	0.006	19.9	9.72	2.13	193.4	0.0	0.0	0.0
126	DL	8.2	9.0	20.6	0.22	0.006	0.014	0.05	5.61	48.44	50.91	20.83	0.0	0.006	20.0	9.98	2.22	193.4	0.0	0.0	0.0
127	DL	8.1	8.9	21.5	0.22	0.006	0.014	0.06	5.55	48.44	51.42	20.87	0.0	0.006	20.0	10.12	2.33	193.5	0.0	0.0	0.0
128	DL	8.1	8.6	21.7	0.22	0.006	0.014	0.06	5.56	48.45	51.37	20.87	0.0	0.006	20.0	10.12	2.30	193.5	0.0	0.0	0.0
129	DL	7.9	8.1	20.6	0.22	0.006	0.013	0.05	5.53	48.45	51.63	20.89	0.0	0.005	19.2	9.84	2.38	193.5	0.0	0.0	0.0
130	DL	7.7	7.5	17.9	0.21	0.006	0.012	0.05	5.31	48.45	53.39	21.01	0.0	0.004	14.5	7.77	2.22	193.6	0.0	0.0	0.0
131	DL	7.6	7.3	14.1	0.19	0.006	0.012	0.04	4.87	48.46	57.42	21.30	0.0	0.003	9.9	5.83	1.83	193.6	0.0	0.0	0.0
132	DL	7.4	7.3	12.2	0.17	0.006	0.012	0.03	4.37	48.92	63.26	21.73	0.0	0.002	6.4	4.24	2.27	193.6	0.0	0.0	0.0
133	DL	7.2	7.0	11.6	0.16	0.006	0.011	0.03	3.95	48.46	68.09	22.11	0.0	0.001	3.0	2.20	3.00	193.7	0.0	0.0	0.0
134	DL	7.0	6.6	11.8	0.15	0.006	0.011	0.03	3.73	48.47	71.36	22.37	0.0	0.000	1.0	0.80	2.80	193.7	0.0	0.0	0.0
135	DL	6.8	6.3	12.8	0.14	0.005	0.010	0.03	3.60	48.47	73.31	22.52	0.0	0.000	0.1	0.12	2.89	193.7	0.0	0.0	0.0
136	DL	6.6	6.1	13.8	0.14	0.005	0.010	0.04	3.54	48.46	74.38	22.61	0.0	0.000	0.2	0.12	2.76	193.7	0.0	0.0	0.0
137	DL	6.4	6.0	14.5	0.14	0.005	0.010	0.04	3.53	48.48	74.44	22.62	0.0	0.000	0.1	0.05	3.16	193.8	0.0	0.0	0.0
138	DL	6.2	5.9	14.9	0.14	0.005	0.009	0.04	3.57	48.49	73.82	22.57	0.0	0.000	0.0	0.01	3.06	193.9	0.0	0.0	0.0
139	DL	6.1	6.3	15.7	0.14	0.005	0.010	0.04	3.62	48.48	73.13	22.51	0.0	0.000	0.0	1.29	3.16	194.0	0.0	0.0	0.0
140	DL	6.2	9.2	19.0	0.15	0.005	0.015	0.05	3.76	48.49	70.91	22.33	0.0	0.000	1.4	0.89	3.01	194.0	0.0	0.0	0.0
141	DL	6.6	16.8	26.8	0.17	0.005	0.027	0.07	4.22	48.49	64.40	21.80	0.0	0.001	4.3	2.75	3.98	194.1	0.0	0.0	0.0
142	DL	7.3	29.0	37.1	0.21	0.006	0.046	0.10	5.25	48.48	53.73	21.01	0.0	0.002	5.6	2.93	8.10	194.1	0.0	0.0	0.0
143	DL	8.0	46.5	46.9	0.27	0.006	0.074	0.12	6.77	48.49	43.06	20.27	0.0	0.002	7.1	2.87	12.17	194.2	0.0	0.0	0.0
144	DL	9.0	70.8	56.8	0.35	0.007	0.113	0.15	8.70	48.48	34.37	19.71	0.0	0.002	8.6	2.72	11.85	194.2	0.0	0.0	0.0
145	DL	10.1	99.9	71.8	0.44	0.008	0.160	0.19	11.09	48.49	27.49	19.29	0.0	0.003	10.2	2.52	11.24	194.2	0.0	0.0	0.0
146	DL	11.5	119.7	101.8	0.57	0.009	0.191	0.27	14.24	48.49	21.84	18.96	0.0	0.003	12.1	2.32	12.46	194.2	0.0	0.0	0.0
147	DL	12.8	119.0	140.8	0.72	0.010	0.190	0.37	18.10	48.48	17.47	18.72	0.0	0.004	15.4	2.33	12.38	194.2	0.0	0.0	0.0
148	DL	13.8	104.7	160.2	0.87	0.011	0.167	0.42	21.74	48.46	14.69	18.57	0.0	0.005	17.4	2.22	9.37	194.3	0.0	0.0	0.0
149	DL	14.7	89.2	158.9	0.97	0.012	0.142	0.42	24.28	48.44	13.23	18.50	0.0	0.005	18.8	2.16	6.71	194.5	0.0	0.0	0.0
150	DL	15.3	74.6	140.8	1.02	0.012	0.119	0.37	25.65	48.43	12.56	18.46	0.0	0.006	20.0	2.19	5.11	194.6	0.0	0.0	0.0
151	DL	14.9	60.8	105.1	1.00	0.012	0.097	0.28	25.07	48.39	12.85	18.48	0.0	0.006	21.0	2.35	4.08	194.8	0.0	0.0	0.0
152	DL	13.7	48.7	70.7	0.89	0.011	0.078	0.19	22.30	48.39	14.41	18.56	0.0	0.006	20.0	2.52	3.13	194.9	0.0	0.0	0.0
153	DL	12.4	38.6	49.3	0.75	0.010	0.062	0.13	18.72	48.41	17.06	18.71	0.0	0.006	20.3	3.05	2.39	194.9	0.0	0.0	0.0
154	DL	11.4	30.7	38.8	0.62	0.009	0.049	0.10	15.53	48.41	20.36	18.90	0.0	0.006	20.3	3.67	2.33	194.9	0.0	0.0	0.0
155	DL	10.6	25.1	31.7	0.52	0.008	0.040	0.08	12.97	48.42	24.09	19.11	0.0	0.006	20.1	4.36	2.42	195.0	0.0	0.0	0.0
156	DL	10.0	21.5	26.4	0.44	0.008	0.034	0.07	11.02	48.42	27.98	19.35	0.0	0.006	20.1	5.13	2.19	195.1	0.0	0.0	0.0
157	DL	9.7	18.9	23.5	0.39	0.008	0.030	0.06	9.67	48.42	31.50	19.56	0.0	0.006	20.1	5.84	2.02	195.2	0.0	0.0	0.0
158	DL	9.4	16.6	22.1	0.35	0.007	0.027	0.06	8.72	48.43	34.59	19.75	0.0	0.006	20.1	6.46	1.97	195.3	0.0	0.0	0.0
159	DL	9.2	14.5	21.5	0.32	0.007	0.023	0.06	7.96	48.43	37.54	19.94	0.0	0.006	20.0	7.07	2.03	195.3	0.0	0.0	0.0
160	DL	9.1	12.7	21.3	0.29	0.007	0.020	0.06	7.30	48.43	40.56	20.14	0.0	0.006	20.0	7.70	2.06	195.3	0.0	0.0	0.0
161	DL	8.9	11.6	21.1	0.27	0.007	0.019	0.06	6.75	48.44	43.42	20.32	0.0	0.006	20.0	8.32	2.11	195.3	0.0	0.0	0.0
162	DL	8.8	10.9	20.9	0.26	0.007	0.017	0.05	6.40	48.43	45.45	20.46	0.0	0.006	20.0	8.76	2.10	195.3	0.0	0.0	0.0
163	DL	8.7	10.2	20.7	0.25	0.007	0.016	0.05	6.19	48.44	46.81	20.55	0.0	0.006	19.9	9.04	2.09	195.3	0.0	0.0	0.0

164 DL	8.6	9.4	20.4	0.24	0.007	0.015	0.05	6.01	48.44	48.01	20.63	0.0	0.006	19.9	9.31	2.10	195.3	0.0	0.0	0.0
165 DL	8.5	8.6	20.3	0.23	0.007	0.014	0.05	5.82	48.44	49.41	20.73	0.0	0.006	19.9	9.63	2.16	195.3	0.0	0.0	0.0
166 DL	8.4	8.2	20.3	0.22	0.007	0.013	0.05	5.62	48.44	50.85	20.83	0.0	0.006	19.9	9.95	2.14	195.3	0.0	0.0	0.0
167 DL	8.4	7.8	20.2	0.22	0.007	0.012	0.05	5.50	48.45	51.83	20.90	0.0	0.006	19.9	10.18	2.12	195.4	0.0	0.0	0.0
168 DL	8.2	7.5	19.8	0.22	0.007	0.012	0.05	5.43	48.44	52.42	20.94	0.0	0.006	19.9	10.31	2.12	195.4	0.0	0.0	0.0
169 DL	8.0	7.0	18.3	0.21	0.006	0.011	0.05	5.29	48.45	53.56	21.02	0.0	0.005	18.5	9.91	2.13	195.4	0.0	0.0	0.0
170 DL	7.8	6.7	15.2	0.20	0.006	0.011	0.04	4.98	48.45	56.35	21.22	0.0	0.004	13.8	7.89	2.06	195.3	0.0	0.0	0.0
171 DL	7.7	6.7	12.4	0.18	0.006	0.011	0.03	4.49	48.46	61.46	21.59	0.0	0.003	9.2	5.88	1.66	195.3	0.0	0.0	0.0
172 DL	7.5	6.6	11.5	0.16	0.006	0.011	0.03	4.03	48.46	67.08	22.03	0.0	0.002	6.2	4.40	2.55	195.3	0.0	0.0	0.0
173 DL	7.3	6.2	11.3	0.15	0.006	0.010	0.03	3.75	48.46	71.08	22.34	0.0	0.001	2.8	2.15	2.92	195.3	0.0	0.0	0.0
174 DL	7.0	5.9	12.0	0.14	0.006	0.009	0.03	3.57	48.47	73.80	22.56	0.0	0.000	1.1	0.92	2.86	195.3	0.0	0.0	0.0
175 DL	6.8	5.6	13.0	0.14	0.005	0.009	0.03	3.48	48.46	75.38	22.70	0.0	0.000	0.5	0.36	2.85	195.3	0.0	0.0	0.0
176 DL	6.6	5.5	14.0	0.14	0.005	0.009	0.04	3.45	48.46	75.85	22.73	0.0	0.000	0.2	0.23	3.23	195.4	0.0	0.0	0.0
177 DL	6.5	5.5	14.7	0.14	0.005	0.009	0.04	3.48	48.47	75.42	22.70	0.0	0.000	0.0	1.24	3.21	195.4	0.0	0.0	0.0
178 DL	6.3	5.4	15.1	0.14	0.005	0.009	0.04	3.52	48.47	74.62	22.63	0.0	0.000	0.0	1.26	3.07	195.5	0.0	0.0	0.0
179 DL	6.2	5.5	15.7	0.14	0.005	0.009	0.04	3.56	48.48	74.01	22.58	0.0	0.000	0.0	1.27	3.08	195.5	0.0	0.0	0.0
180 DL	6.2	6.5	17.8	0.15	0.005	0.011	0.05	3.69	48.93	72.50	22.46	0.0	0.000	1.2	0.79	3.03	195.5	0.0	0.0	0.0
181 DL	6.4	8.8	22.8	0.16	0.005	0.014	0.06	3.95	48.47	68.08	22.10	0.0	0.001	3.7	2.60	3.57	195.5	0.0	0.0	0.0
182 DL	6.7	14.6	30.0	0.18	0.005	0.023	0.08	4.56	48.48	60.55	21.52	0.0	0.001	4.6	2.77	5.47	195.5	0.0	0.0	0.0
183 DL	7.3	34.0	39.2	0.22	0.006	0.054	0.10	5.54	48.48	51.21	20.83	0.0	0.002	5.9	2.91	5.83	195.5	0.0	0.0	0.0
184 DL	8.2	69.3	51.5	0.29	0.006	0.111	0.14	7.22	48.48	40.53	20.09	0.0	0.002	7.7	2.91	9.72	195.3	0.0	0.0	0.0
185 DL	9.2	107.2	68.3	0.39	0.007	0.171	0.18	9.79	48.49	30.75	19.48	0.0	0.003	9.6	2.66	14.50	195.3	0.0	0.0	0.0
186 DL	10.6	133.5	99.2	0.52	0.008	0.213	0.26	13.09	48.49	23.55	19.05	0.0	0.003	11.6	2.42	14.77	195.2	0.0	0.0	0.0
187 DL	12.1	139.7	145.6	0.69	0.010	0.223	0.38	17.27	48.47	18.22	18.76	0.0	0.004	14.4	2.28	13.45	195.1	0.0	0.0	0.0
188 DL	13.5	129.2	184.3	0.87	0.011	0.206	0.48	21.90	48.46	14.58	18.56	0.0	0.005	17.1	2.16	11.46	195.2	0.0	0.0	0.0
189 DL	14.7	109.9	195.2	1.04	0.012	0.175	0.51	26.03	48.44	12.37	18.45	0.0	0.005	19.1	2.04	10.47	195.5	0.0	0.0	0.0
190 DL	15.1	88.9	168.4	1.13	0.012	0.142	0.44	28.42	48.41	11.37	18.40	0.0	0.006	20.3	2.00	8.87	195.6	0.0	0.0	0.0
191 DL	14.5	70.3	121.2	1.10	0.011	0.112	0.32	27.46	48.38	11.77	18.42	0.0	0.006	21.1	2.16	5.97	195.7	0.0	0.0	0.0
192 DL	13.2	55.1	81.9	0.96	0.010	0.088	0.21	23.96	48.38	13.46	18.51	0.0	0.006	20.3	2.38	3.68	195.8	0.0	0.0	0.0
193 DL	12.0	42.8	55.0	0.79	0.009	0.068	0.14	19.88	48.39	16.11	18.66	0.0	0.006	20.1	2.85	2.53	195.8	0.0	0.0	0.0
194 DL	11.0	33.6	37.4	0.64	0.009	0.054	0.10	16.15	48.40	19.64	18.86	0.0	0.006	20.0	3.48	2.13	195.9	0.0	0.0	0.0
195 DL	10.4	27.7	28.0	0.52	0.008	0.044	0.07	13.07	48.41	23.92	19.10	0.0	0.006	20.0	4.30	1.92	196.0	0.0	0.0	0.0
196 DL	9.9	23.7	23.6	0.44	0.008	0.038	0.06	10.97	48.41	28.08	19.35	0.0	0.006	20.0	5.11	1.92	196.1	0.0	0.0	0.0
197 DL	9.6	20.3	21.9	0.38	0.008	0.032	0.06	9.60	48.41	31.70	19.57	0.0	0.006	20.0	5.84	2.06	196.2	0.0	0.0	0.0
198 DL	9.4	17.1	21.2	0.34	0.007	0.027	0.06	8.59	48.42	35.07	19.78	0.0	0.006	20.0	6.53	2.03	196.2	0.0	0.0	0.0
199 DL	9.2	14.7	20.7	0.31	0.007	0.024	0.05	7.72	48.42	38.57	20.01	0.0	0.006	19.9	7.25	2.14	196.3	0.0	0.0	0.0
200 DL	9.1	13.2	20.4	0.28	0.007	0.021	0.05	7.03	48.42	41.89	20.22	0.0	0.006	19.9	7.94	2.15	196.4	0.0	0.0	0.0
201 DL	9.0	12.3	20.3	0.26	0.007	0.020	0.05	6.59	48.43	44.30	20.38	0.0	0.006	19.9	8.46	2.12	196.4	0.0	0.0	0.0
202 DL	8.9	11.5	20.5	0.25	0.007	0.018	0.05	6.33	48.43	45.90	20.49	0.0	0.006	19.9	8.83	2.10	196.5	0.0	0.0	0.0
203 DL	8.8	10.6	21.1	0.24	0.007	0.017	0.06	6.14	48.43	47.10	20.57	0.0	0.006	20.0	9.12	2.19	196.5	0.0	0.0	0.0
204 DL	8.7	9.9	21.8	0.24	0.007	0.016	0.06	5.98	48.43	48.25	20.65	0.0	0.006	20.0	9.40	2.38	196.5	0.0	0.0	0.0
205 DL	8.6	9.4	22.5	0.23	0.007	0.015	0.06	5.86	48.44	49.07	20.71	0.0	0.006	20.1	9.61	2.50	196.5	0.0	0.0	0.0
206 DL	8.6	9.2	23.2	0.23	0.007	0.015	0.06	5.81	48.44	49.41	20.73	0.0	0.006	20.1	9.72	2.62	196.5	0.0	0.0	0.0
207 DL	8.5	9.0	23.7	0.23	0.007	0.014	0.06	5.84	48.44	49.24	20.72	0.0	0.006	20.2	9.71	2.64	196.6	0.0	0.0	0.0
208 DL	8.4	8.6	23.3	0.23	0.007	0.014	0.06	5.86	48.45	49.10	20.71	0.0	0.006	20.2	9.67	2.67	196.6	0.0	0.0	0.0
209 DL	8.2	7.9	21.3	0.23	0.007	0.013	0.06	5.76	48.45	49.86	20.76	0.0	0.005	19.1	9.40	2.52	196.7	0.0	0.0	0.0
210 DL	8.0	7.5	17.8	0.22	0.006	0.012	0.05	5.44	48.44	52.30	20.93	0.0	0.004	14.2	7.45	2.35	196.7	0.0	0.0	0.0
211 DL	7.9	7.4	13.7	0.20	0.006	0.012	0.04	4.93	48.45	56.88	21.26	0.0	0.003	9.5	5.52	1.78	196.7	0.0	0.0	0.0
212 DL	7.7	7.3	12.2	0.17	0.006	0.012	0.03	4.38	48.46	62.66	21.68	0.0	0.002	6.3	4.15	2.53	196.7	0.0	0.0	0.0
214 DL	7.5	7.1	11.6	0.16	0.006	0.011	0.03	4.01	48.46	67.25	22.04	0.0	0.001	3.3	2.58	2.95	196.7	0.0	0.0	0.0
214 DL	7.3	6.6	12.0	0.15	0.006	0.011	0.03	3.78	48.47	70.51	22.30	0.0	0.000	1.5	1.03	2.77	196.7	0.0	0.0	0.0
215 DL	7.0	6.2	12.9	0.14	0.006	0.010	0.03	3.63	48.47	72.83	22.49	0.0	0.000	0.3	0.26	2.94	196.7	0.0	0.0	0.0
216 DL	6.8	6.0	13.7	0.14	0.005	0.010	0.04	3.54	48.47	74.37	22.61	0.0	0.000	0.1	0.06	3.10	196.8	0.0	0.0	0.0
217 DL	6.7	6.0	14.5	0.14	0.005	0.010	0.04	3.52	48.47	74.74	22.64	0.0	0.000	0.0	1.25	3.06	196.8	0.0	0.0	0.0
218 DL	6.5	6.0	15.0	0.14	0.005	0.010	0.04	3.54	48.47	74.31	22.61	0.0	0.000	0.0	1.26	3.17	196.8	0.0	0.0	0.0
219 DL	6.4	6.2	15.6	0.14	0.005	0.010	0.04	3.58	48.47	73.67	22.55	0.0	0.000	0.0	1.28	3.16	196.9	0.0	0.0	0.0
220 DL	6.5	8.1	18.2	0.15	0.005	0.013	0.05	3.69	48.48	71.94	22.41	0.0	0.000	0.9	0.59	3.22	196.9	0.0	0.0	0.0
221 DL	6.8	13.5	24.5	0.16	0.005	0.022	0.06	4.07	48.48	66.46	21.97	0.0	0.001	3.9	2.64	3.61	197.0	0.0	0.0	0.0
222 DL	7.3	24.7	34.1	0.20	0.006	0.039	0.09	4.96	48.49	56.36	21.20	0.0	0.001	5.1	2.80	6.51	197.0	0.0	0.0	0.0

223 DL	8.1	48.2	45.8	0.25	0.006	0.077	0.12	6.40	48.49	45.20	20.41	0.0	0.002	6.6	2.83	8.62	197.0	0.0	0.0	0.0
224 DL	9.1	84.1	61.0	0.33	0.007	0.134	0.16	8.38	48.48	35.41	19.77	0.0	0.002	8.5	2.77	12.48	197.0	0.0	0.0	0.0
225 DL	10.4	117.8	88.5	0.45	0.008	0.188	0.23	11.22	48.49	27.17	19.26	0.0	0.003	10.7	2.59	14.23	197.0	0.0	0.0	0.0
226 DL	11.9	127.7	132.4	0.61	0.009	0.204	0.35	15.43	48.50	20.31	18.87	0.0	0.004	12.9	2.28	13.25	196.9	0.0	0.0	0.0
227 DL	13.2	114.7	161.0	0.81	0.010	0.183	0.42	20.29	48.46	15.69	18.62	0.0	0.004	16.3	2.22	11.26	197.0	0.0	0.0	0.0
228 DL	14.1	97.8	161.2	0.95	0.011	0.156	0.42	23.73	48.43	13.51	18.51	0.0	0.005	17.5	2.06	7.40	197.1	0.0	0.0	0.0
229 DL	14.9	83.8	150.9	1.01	0.012	0.134	0.40	25.33	48.42	12.70	18.47	0.0	0.005	19.0	2.09	4.86	197.4	0.0	0.0	0.0
230 DL	15.0	69.2	116.3	1.01	0.012	0.110	0.31	25.38	48.41	12.70	18.47	0.0	0.006	20.0	2.22	4.30	197.5	0.0	0.0	0.0
231 DL	14.1	54.8	75.0	0.92	0.011	0.087	0.20	22.95	48.39	14.01	18.54	0.0	0.005	19.7	2.42	3.09	197.7	0.0	0.0	0.0
232 DL	13.0	42.6	50.1	0.76	0.010	0.068	0.13	19.16	48.39	16.68	18.69	0.0	0.005	19.5	2.85	2.35	197.8	0.0	0.0	0.0
233 DL	11.9	34.3	39.6	0.62	0.009	0.055	0.10	15.60	48.40	20.26	18.89	0.0	0.005	19.8	3.56	2.11	197.8	0.0	0.0	0.0
234 DL	11.0	29.6	36.6	0.52	0.009	0.047	0.10	13.09	48.41	23.85	19.10	0.0	0.006	20.0	4.29	2.75	197.8	0.0	0.0	0.0
235 DL	10.4	26.7	35.7	0.46	0.008	0.043	0.09	11.59	48.42	26.68	19.27	0.0	0.006	20.2	4.89	3.41	197.8	0.0	0.0	0.0
236 DL	9.9	23.8	34.2	0.43	0.008	0.038	0.09	10.68	48.42	28.74	19.39	0.0	0.006	20.2	5.30	3.62	197.9	0.0	0.0	0.0
237 DL	9.5	20.4	30.8	0.39	0.008	0.033	0.08	9.91	48.42	30.81	19.52	0.0	0.006	20.1	5.69	3.25	198.0	0.0	0.0	0.0
238 DL	9.3	17.3	27.7	0.36	0.007	0.028	0.07	9.06	48.42	33.44	19.68	0.0	0.006	20.2	6.26	2.65	198.0	0.0	0.0	0.0
239 DL	9.1	15.0	25.9	0.33	0.007	0.024	0.07	8.22	48.43	36.47	19.87	0.0	0.006	20.2	6.89	2.42	198.0	0.0	0.0	0.0
240 DL	9.0	13.7	24.6	0.30	0.007	0.022	0.06	7.58	48.43	39.19	20.05	0.0	0.006	20.2	7.47	2.43	198.0	0.0	0.0	0.0
241 DL	8.9	12.7	23.5	0.28	0.007	0.020	0.06	7.15	48.43	41.27	20.18	0.0	0.006	20.2	7.93	2.39	197.9	0.0	0.0	0.0
242 DL	8.8	11.8	22.9	0.27	0.007	0.019	0.06	6.86	48.43	42.81	20.28	0.0	0.006	20.2	8.26	2.33	197.8	0.0	0.0	0.0
243 DL	8.8	10.8	22.4	0.26	0.007	0.017	0.06	6.61	48.44	44.21	20.38	0.0	0.006	20.2	8.58	2.31	197.8	0.0	0.0	0.0
244 DL	8.7	9.7	21.5	0.25	0.007	0.016	0.06	6.35	48.43	45.82	20.49	0.0	0.006	20.1	8.91	2.34	197.8	0.0	0.0	0.0
245 DL	8.6	8.8	20.3	0.24	0.007	0.014	0.05	6.06	48.44	47.71	20.61	0.0	0.006	20.1	9.30	2.22	197.8	0.0	0.0	0.0
246 DL	8.5	8.2	19.3	0.23	0.007	0.013	0.05	5.74	48.44	49.98	20.77	0.0	0.006	20.0	9.79	2.13	197.8	0.0	0.0	0.0
247 DL	8.5	7.8	18.4	0.22	0.007	0.013	0.05	5.50	48.44	51.86	20.90	0.0	0.006	19.9	10.19	2.08	197.8	0.0	0.0	0.0
248 DL	8.5	7.4	17.9	0.21	0.007	0.012	0.05	5.33	48.44	53.24	21.00	0.0	0.006	19.9	10.50	2.04	197.9	0.0	0.0	0.0
249 DL	8.3	6.9	16.7	0.21	0.007	0.011	0.04	5.15	48.44	54.77	21.11	0.0	0.005	18.7	10.27	2.03	197.9	0.0	0.0	0.0
250 DL	8.1	6.6	14.2	0.19	0.006	0.010	0.04	4.86	48.44	57.56	21.31	0.0	0.004	13.7	8.04	1.99	197.9	0.0	0.0	0.0
251 DL	8.0	6.6	11.7	0.17	0.006	0.011	0.03	4.37	48.45	62.86	21.70	0.0	0.003	9.3	6.09	1.75	197.9	0.0	0.0	0.0
252 DL	7.8	6.6	11.1	0.15	0.006	0.011	0.03	3.86	48.45	69.34	22.20	0.0	0.002	5.7	4.26	2.86	197.9	0.0	0.0	0.0
253 DL	7.5	6.3	11.2	0.14	0.006	0.010	0.03	3.57	48.46	73.74	22.56	0.0	0.001	2.6	2.12	3.03	197.9	0.0	0.0	0.0
254 DL	7.3	6.0	11.9	0.14	0.006	0.010	0.03	3.44	48.45	75.96	22.74	0.0	0.000	1.0	0.83	3.05	197.9	0.0	0.0	0.0
255 DL	7.1	5.6	12.9	0.14	0.006	0.009	0.03	3.40	48.46	76.60	22.80	0.0	0.000	0.3	0.20	2.89	198.0	0.0	0.0	0.0
256 DL	6.9	5.4	13.9	0.14	0.005	0.009	0.04	3.41	48.46	76.59	22.80	0.0	0.000	0.2	0.16	3.11	198.1	0.0	0.0	0.0
257 DL	6.7	5.3	14.5	0.14	0.005	0.009	0.04	3.43	48.46	76.26	22.77	0.0	0.000	0.0	0.02	3.18	198.2	0.0	0.0	0.0
258 DL	6.6	5.3	14.9	0.14	0.005	0.008	0.04	3.46	48.46	75.66	22.72	0.0	0.000	0.0	1.23	3.02	198.2	0.0	0.0	0.0
259 DL	6.5	6.4	16.1	0.14	0.005	0.010	0.04	3.52	48.47	74.70	22.64	0.0	0.000	0.0	1.26	3.18	198.2	0.0	0.0	0.0
260 DL	6.7	13.5	20.8	0.15	0.005	0.022	0.05	3.72	48.48	71.33	22.35	0.0	0.001	2.1	1.44	3.23	198.2	0.0	0.0	0.0
261 DL	7.3	30.0	30.8	0.18	0.006	0.048	0.08	4.42	48.48	61.84	21.59	0.0	0.001	4.7	2.90	5.20	198.2	0.0	0.0	0.0
262 DL	8.1	52.6	42.9	0.24	0.006	0.084	0.11	5.95	48.48	48.06	20.59	0.0	0.002	6.3	2.88	13.14	198.3	0.0	0.0	0.0
263 DL	8.9	77.1	54.8	0.32	0.007	0.123	0.14	8.11	48.48	36.52	19.84	0.0	0.002	7.8	2.64	16.78	198.3	0.0	0.0	0.0
264 DL	9.8	102.1	68.3	0.42	0.008	0.163	0.18	10.45	48.46	28.96	19.38	0.0	0.003	9.6	2.50	14.69	198.3	0.0	0.0	0.0
265 DL	10.9	118.2	89.1	0.52	0.009	0.189	0.23	13.10	48.47	23.54	19.06	0.0	0.003	11.5	2.40	13.51	198.1	0.0	0.0	0.0
266 DL	12.2	117.4	114.9	0.65	0.010	0.188	0.30	16.36	48.47	19.18	18.81	0.0	0.004	13.1	2.19	11.71	198.0	0.0	0.0	0.0
267 DL	13.1	106.8	129.0	0.78	0.010	0.171	0.34	19.61	48.45	16.19	18.65	0.0	0.004	15.8	2.23	8.52	198.2	0.0	0.0	0.0
268 DL	13.9	103.6	132.5	0.87	0.011	0.165	0.35	21.88	48.43	14.58	18.57	0.0	0.005	17.0	2.16	5.71	198.4	0.0	0.0	0.0
269 DL	14.8	104.2	145.3	0.94	0.012	0.166	0.38	23.62	48.42	13.56	18.51	0.0	0.005	18.4	2.17	4.92	198.5	0.0	0.0	0.0
270 DL	15.0	92.9	133.4	1.01	0.012	0.148	0.35	25.36	48.43	12.68	18.47	0.0	0.006	20.4	2.25	7.20	198.7	0.0	0.0	0.0
271 DL	14.4	75.0	85.9	0.98	0.011	0.120	0.23	24.48	48.38	13.14	18.49	0.0	0.005	19.7	2.26	6.09	198.7	0.0	0.0	0.0
272 DL	13.5	58.2	47.6	0.82	0.011	0.093	0.12	20.60	48.38	15.55	18.62	0.0	0.005	18.9	2.57	3.92	198.7	0.0	0.0	0.0
273 DL	12.6	45.3	33.9	0.65	0.010	0.072	0.09	16.34	48.39	19.39	18.84	0.0	0.005	19.6	3.36	2.63	198.8	0.0	0.0	0.0
274 DL	11.7	36.8	32.6	0.53	0.009	0.059	0.09	13.28	48.40	23.50	19.08	0.0	0.005	19.8	4.17	2.87	198.8	0.0	0.0	0.0
275 DL	10.9	31.2	32.8	0.46	0.009	0.050	0.09	11.51	48.41	26.82	19.28	0.0	0.006	19.8	4.83	3.36	198.9	0.0	0.0	0.0
276 DL	10.3	26.8	30.1	0.41	0.008	0.043	0.08	10.41	48.41	29.41	19.43	0.0	0.005	19.6	5.29	3.28	199.0	0.0	0.0	0.0
277 DL	9.8	23.1	26.0	0.38	0.008	0.037	0.07	9.50	48.42	31.98	19.59	0.0	0.005	19.6	5.79	2.55	199.1	0.0	0.0	0.0
278 DL	9.5	19.7	23.7	0.34	0.008	0.031	0.06	8.64	48.42	34.87	19.77	0.0	0.005	19.8	6.42	2.26	199.2	0.0	0.0	0.0
279 DL	9.3	16.7	23.3	0.31	0.007	0.027	0.06	7.89	48.41	37.79	19.96	0.0	0.006	19.8	7.05	2.41	199.2	0.0	0.0	0.0
280 DL	9.1	14.5	23.8	0.29	0.007	0.023	0.06	7.31	48.42	40.46	20.13	0.0	0.006	19.9	7.64	2.72	199.2	0.0	0.0	0.0
281 DL	9.0	13.2	24.1	0.28	0.007	0.021	0.06	6.91	48.43	42.51	20.26	0.0	0.006	19.9	8.10	2.72	199.2	0.0	0.0	0.0

282	DL	8.8	12.3	23.3	0.27	0.007	0.020	0.06	6.66	48.42	43.89	20.36	0.0	0.005	19.8	8.33	2.68	199.2	0.0	0.0	0.0
283	DL	8.7	11.5	21.4	0.26	0.007	0.018	0.06	6.43	48.43	45.26	20.45	0.0	0.005	19.8	8.61	2.42	199.2	0.0	0.0	0.0
284	DL	8.6	10.8	20.8	0.25	0.007	0.017	0.05	6.18	48.43	46.85	20.55	0.0	0.006	19.9	9.04	2.23	199.2	0.0	0.0	0.0
285	DL	8.6	10.0	21.9	0.24	0.007	0.016	0.06	6.02	48.43	47.97	20.63	0.0	0.006	19.9	9.30	2.54	199.2	0.0	0.0	0.0
286	DL	8.5	9.3	23.1	0.24	0.007	0.015	0.06	5.91	48.43	48.73	20.68	0.0	0.006	20.0	9.52	2.77	199.2	0.0	0.0	0.0
287	DL	8.4	8.9	24.1	0.23	0.007	0.014	0.06	5.87	48.43	49.03	20.70	0.0	0.006	20.1	9.62	2.81	199.2	0.0	0.0	0.0
288	DL	8.3	8.5	24.2	0.23	0.007	0.014	0.06	5.87	48.44	49.04	20.71	0.0	0.006	20.1	9.61	2.88	199.3	0.0	0.0	0.0
289	DL	8.1	8.1	21.8	0.23	0.006	0.013	0.06	5.82	48.43	49.42	20.73	0.0	0.005	18.9	9.23	2.71	199.3	0.0	0.0	0.0
290	DL	7.9	7.8	17.7	0.22	0.006	0.012	0.05	5.56	48.44	51.36	20.87	0.0	0.004	14.5	7.41	2.39	199.3	0.0	0.0	0.0
291	DL	7.8	7.5	13.2	0.20	0.006	0.012	0.03	5.04	48.44	55.81	21.18	0.0	0.003	10.1	5.74	1.84	199.3	0.0	0.0	0.0
292	DL	7.7	7.1	11.5	0.18	0.006	0.011	0.03	4.41	48.45	62.39	21.66	0.0	0.002	6.3	4.11	2.40	199.2	0.0	0.0	0.0
293	DL	7.5	6.6	11.1	0.16	0.006	0.011	0.03	3.91	48.45	68.64	22.15	0.0	0.001	3.2	2.37	3.05	199.3	0.0	0.0	0.0
294	DL	7.2	6.2	11.5	0.14	0.006	0.010	0.03	3.59	48.45	73.47	22.54	0.0	0.000	1.6	1.30	2.92	199.3	0.0	0.0	0.0
295	DL	7.0	6.0	12.6	0.14	0.006	0.010	0.03	3.46	48.44	75.71	22.72	0.0	0.000	0.7	0.57	3.08	199.3	0.0	0.0	0.0
296	DL	6.9	5.9	13.4	0.14	0.005	0.009	0.04	3.44	48.45	75.97	22.74	0.0	0.000	0.1	0.08	3.33	199.3	0.0	0.0	0.0
297	DL	6.7	5.7	14.3	0.14	0.005	0.009	0.04	3.47	48.46	75.45	22.70	0.0	0.000	0.0	0.01	3.31	199.4	0.0	0.0	0.0
298	DL	6.6	5.6	14.8	0.14	0.005	0.009	0.04	3.51	48.46	74.87	22.65	0.0	0.000	0.0	1.25	3.38	199.5	0.0	0.0	0.0
299	DL	6.4	5.8	15.5	0.14	0.005	0.009	0.04	3.54	48.46	74.34	22.61	0.0	0.000	0.0	1.26	3.31	199.5	0.0	0.0	0.0
300	DL	6.5	7.5	18.1	0.14	0.005	0.012	0.05	3.64	48.47	72.69	22.47	0.0	0.000	1.2	0.76	3.29	199.5	0.0	0.0	0.0
301	DL	6.8	12.6	24.4	0.16	0.005	0.020	0.06	4.00	48.47	67.38	22.04	0.0	0.001	4.0	2.75	3.78	199.5	0.0	0.0	0.0
302	DL	7.3	26.0	34.2	0.19	0.006	0.041	0.09	4.81	48.47	57.74	21.30	0.0	0.001	5.2	2.93	6.51	199.6	0.0	0.0	0.0
303	DL	8.1	55.8	46.7	0.25	0.006	0.089	0.12	6.25	48.47	46.00	20.46	0.0	0.002	6.9	2.99	8.73	199.5	0.0	0.0	0.0
304	DL	9.1	96.1	62.0	0.34	0.007	0.154	0.16	8.56	48.47	34.71	19.72	0.0	0.002	8.7	2.76	13.31	199.4	0.0	0.0	0.0
305	DL	10.4	123.4	86.1	0.47	0.008	0.197	0.23	11.86	48.47	25.82	19.18	0.0	0.003	10.9	2.49	15.27	199.2	0.0	0.0	0.0
306	DL	11.9	124.8	116.7	0.63	0.009	0.199	0.31	15.83	48.47	19.78	18.84	0.0	0.003	12.7	2.20	13.26	199.2	0.0	0.0	0.0
307	DL	13.2	112.7	145.8	0.78	0.010	0.180	0.38	19.47	48.45	16.29	18.66	0.0	0.004	15.5	2.19	9.32	199.3	0.0	0.0	0.0
308	DL	14.4	98.3	166.0	0.89	0.011	0.157	0.44	22.37	48.44	14.29	18.55	0.0	0.005	17.4	2.17	6.75	199.6	0.0	0.0	0.0
309	DL	15.3	82.5	169.6	0.99	0.012	0.132	0.45	24.76	48.43	12.99	18.48	0.0	0.005	19.1	2.16	6.20	199.8	0.0	0.0	0.0
310	DL	15.5	65.9	144.3	1.04	0.012	0.105	0.38	26.05	48.40	12.38	18.45	0.0	0.006	20.2	2.18	6.01	199.9	0.0	0.0	0.0
311	DL	14.7	51.4	106.6	0.99	0.012	0.082	0.28	24.81	48.36	13.00	18.49	0.0	0.006	21.2	2.40	4.59	199.9	0.0	0.0	0.0
312	DL	13.4	40.6	75.0	0.86	0.011	0.065	0.20	21.63	48.38	14.85	18.59	0.0	0.006	20.4	2.65	3.34	199.9	0.0	0.0	0.0
313	DL	12.2	32.9	51.0	0.72	0.010	0.052	0.13	18.15	48.38	17.57	18.74	0.0	0.006	20.1	3.11	2.53	199.9	0.0	0.0	0.0
314	DL	11.2	27.2	34.5	0.60	0.009	0.043	0.09	15.15	48.39	20.83	18.93	0.0	0.006	20.0	3.72	2.20	199.9	0.0	0.0	0.0
315	DL	10.6	22.6	24.9	0.51	0.008	0.036	0.07	12.75	48.40	24.48	19.14	0.0	0.006	19.8	4.38	2.15	199.9	0.0	0.0	0.0
316	DL	10.2	18.8	19.1	0.43	0.008	0.030	0.05	10.78	48.40	28.57	19.38	0.0	0.005	19.5	5.09	2.16	200.0	0.0	0.0	0.0
317	DL	10.0	15.5	15.8	0.36	0.008	0.025	0.04	9.08	48.41	33.41	19.68	0.0	0.005	19.6	6.06	2.14	200.0	0.0	0.0	0.0
318	DL	9.9	13.0	15.6	0.31	0.008	0.021	0.04	7.67	48.41	38.82	20.02	0.0	0.005	19.6	7.17	2.24	200.1	0.0	0.0	0.0
319	DL	9.8	11.6	16.9	0.27	0.008	0.019	0.04	6.71	48.41	43.62	20.34	0.0	0.005	19.6	8.20	2.33	200.1	0.0	0.0	0.0
320	DL	9.6	10.9	19.1	0.25	0.008	0.017	0.05	6.20	48.42	46.72	20.55	0.0	0.005	19.7	8.93	2.38	200.2	0.0	0.0	0.0
321	DL	9.5	10.7	21.6	0.24	0.007	0.017	0.06	6.05	48.42	47.68	20.61	0.0	0.006	19.8	9.19	2.66	200.2	0.0	0.0	0.0
322	DL	9.3	10.5	23.8	0.24	0.007	0.017	0.06	6.11	48.42	47.29	20.58	0.0	0.006	19.9	9.15	2.96	200.2	0.0	0.0	0.0
323	DL	9.2	10.3	25.3	0.25	0.007	0.016	0.07	6.23	48.42	46.54	20.53	0.0	0.006	20.0	9.02	3.19	200.1	0.0	0.0	0.0
324	DL	9.0	9.9	26.1	0.25	0.007	0.016	0.07	6.31	48.43	46.03	20.50	0.0	0.006	20.1	8.94	3.22	200.1	0.0	0.0	0.0
325	DL	8.9	9.3	25.5	0.25	0.007	0.015	0.07	6.32	48.43	46.01	20.50	0.0	0.006	20.0	8.89	3.16	200.1	0.0	0.0	0.0
326	DL	8.8	8.6	23.3	0.25	0.007	0.014	0.06	6.20	48.43	46.80	20.55	0.0	0.006	19.8	9.00	2.88	200.1	0.0	0.0	0.0
327	DL	8.7	8.2	20.5	0.24	0.007	0.013	0.05	5.95	48.44	48.49	20.67	0.0	0.006	19.9	9.40	2.42	200.1	0.0	0.0	0.0
328	DL	8.6	7.7	18.9	0.23	0.007	0.012	0.05	5.69	48.44	50.36	20.80	0.0	0.006	19.9	9.82	2.35	200.2	0.0	0.0	0.0
329	DL	8.5	7.2	17.2	0.22	0.007	0.012	0.05	5.45	48.44	52.22	20.93	0.0	0.005	18.4	9.60	2.45	200.2	0.0	0.0	0.0
330	DL	8.3	6.9	14.5	0.20	0.007	0.011	0.04	5.12	48.45	55.12	21.13	0.0	0.004	13.8	7.68	2.50	200.2	0.0	0.0	0.0
331	DL	8.3	6.9	11.8	0.18	0.007	0.011	0.03	4.57	48.44	60.52	21.52	0.0	0.003	9.6	5.99	2.06	200.2	0.0	0.0	0.0
332	DL	8.1	6.8	10.8	0.16	0.006	0.011	0.03	4.00	48.44	67.38	22.05	0.0	0.002	6.3	4.51	2.86	200.3	0.0	0.0	0.0
334	DL	7.9	6.5	10.6	0.15	0.006	0.010	0.03	3.65	48.45	72.57	22.46	0.0	0.001	3.1	2.62	2.99	200.3	0.0	0.0	0.0
334	DL	7.6	6.3	11.3	0.14	0.006	0.010	0.03	3.47	48.45	75.44	22.70	0.0	0.000	1.7	1.22	3.03	200.3	0.0	0.0	0.0
335	DL	7.4	6.2	9.6	0.14	0.006	0.010	0.03	3.42	48.46	76.33	22.77	0.0	0.000	0.5	0.45	3.32	200.3	0.0	0.0	0.0
336	DL	7.2	6.1	13.4	0.14	0.006	0.010	0.04	3.42	48.46	76.26	22.77	0.0	0.000	0.0	0.04	3.45	200.4	0.0	0.0	0.0
337	DL	7.0	6.0	14.2	0.14	0.006	0.010	0.04	3.45	48.46	75.87	22.73	0.0	0.000	0.0	1.23	3.40	200.5	0.0	0.0	0.0
338	DL	6.9	6.0	14.6	0.14	0.005	0.010	0.04	3.48	48.47	75.38	22.69	0.0	0.000	0.0	1.24	3.40	200.5	0.0	0.0	0.0
339	DL	6.8	6.2	15.1	0.14	0.005	0.010	0.04	3.52	48.47	74.63	22.63	0.0	0.000	0.0	1.26	3.47	200.5	0.0	0.0	0.0
340	DL	6.7	6.8	16.3	0.14	0.005	0.011	0.04	3.61	48.47	73.19	22.51	0.0	0.000	1.0	0.68	3.58	200.5	0.0	0.0	0.0

341 DL	6.8	9.6	19.8	0.15	0.005	0.015	0.05	3.81	48.48	70.10	22.26	0.0	0.001	3.2	2.35	3.84	200.5	0.0	0.0	0.0
342 DL	7.3	21.1	27.4	0.17	0.006	0.034	0.07	4.32	48.48	63.16	21.71	0.0	0.001	4.1	2.60	4.70	200.5	0.0	0.0	0.0
343 DL	8.1	47.2	39.6	0.22	0.006	0.075	0.10	5.47	48.48	51.58	20.84	0.0	0.002	6.2	3.06	7.53	200.6	0.0	0.0	0.0
344 DL	9.0	83.6	54.0	0.30	0.007	0.134	0.14	7.47	48.48	39.21	20.00	0.0	0.002	8.0	2.89	15.86	200.5	0.0	0.0	0.0
345 DL	10.1	119.2	74.4	0.40	0.008	0.190	0.20	10.13	48.49	29.75	19.41	0.0	0.003	9.9	2.66	17.12	200.4	0.0	0.0	0.0
346 DL	11.6	138.9	109.8	0.54	0.009	0.222	0.29	13.67	48.48	22.64	19.00	0.0	0.003	12.0	2.39	15.39	200.3	0.0	0.0	0.0
347 DL	13.0	135.0	149.2	0.72	0.010	0.216	0.39	18.16	48.46	17.38	18.71	0.0	0.004	15.2	2.29	12.81	200.3	0.0	0.0	0.0
348 DL	14.0	117.9	166.6	0.89	0.011	0.188	0.44	22.40	48.44	14.26	18.55	0.0	0.005	17.2	2.13	9.87	200.4	0.0	0.0	0.0
349 DL	14.9	99.5	166.2	1.01	0.012	0.159	0.44	25.29	48.42	12.71	18.47	0.0	0.005	18.7	2.06	6.93	200.7	0.0	0.0	0.0
350 DL	15.3	82.0	143.8	1.06	0.012	0.131	0.38	26.62	48.41	12.11	18.44	0.0	0.006	20.0	2.11	5.65	200.9	0.0	0.0	0.0
351 DL	14.8	66.6	104.1	1.02	0.012	0.106	0.27	25.56	48.38	12.61	18.46	0.0	0.006	20.7	2.27	4.47	201.0	0.0	0.0	0.0
352 DL	13.7	53.7	69.7	0.89	0.011	0.086	0.18	22.38	48.37	14.36	18.56	0.0	0.006	19.8	2.49	3.30	201.0	0.0	0.0	0.0
353 DL	12.5	43.2	49.0	0.74	0.010	0.069	0.13	18.64	48.39	17.11	18.71	0.0	0.006	20.1	3.03	2.57	201.1	0.0	0.0	0.0
354 DL	11.6	34.8	39.3	0.62	0.009	0.055	0.10	15.44	48.40	20.45	18.90	0.0	0.006	20.2	3.68	2.71	201.1	0.0	0.0	0.0
355 DL	10.8	28.5	33.0	0.52	0.009	0.045	0.09	12.97	48.40	24.06	19.11	0.0	0.006	20.0	4.33	3.05	201.1	0.0	0.0	0.0
356 DL	10.3	24.4	27.2	0.44	0.008	0.039	0.07	11.04	48.41	27.92	19.34	0.0	0.006	20.0	5.08	2.77	201.2	0.0	0.0	0.0
357 DL	10.0	21.8	23.7	0.38	0.008	0.035	0.06	9.60	48.41	31.68	19.57	0.0	0.006	20.0	5.84	2.47	201.2	0.0	0.0	0.0
358 DL	9.7	19.5	22.1	0.34	0.008	0.031	0.06	8.62	48.42	34.92	19.77	0.0	0.006	20.0	6.51	2.47	201.3	0.0	0.0	0.0
359 DL	9.6	17.3	21.2	0.31	0.008	0.028	0.06	7.89	48.43	37.81	19.96	0.0	0.006	20.0	7.10	2.54	201.4	0.0	0.0	0.0
360 DL	9.5	15.1	20.7	0.29	0.007	0.024	0.05	7.26	48.42	40.70	20.14	0.0	0.006	20.0	7.72	2.52	201.4	0.0	0.0	0.0
361 DL	9.4	13.6	20.5	0.27	0.007	0.022	0.05	6.70	48.42	43.68	20.34	0.0	0.006	20.0	8.37	2.57	201.3	0.0	0.0	0.0
362 DL	9.3	12.9	20.5	0.25	0.007	0.021	0.05	6.29	48.42	46.10	20.50	0.0	0.006	20.0	8.91	2.54	201.3	0.0	0.0	0.0
363 DL	9.2	12.4	20.5	0.24	0.007	0.020	0.05	6.06	48.42	47.58	20.60	0.0	0.006	20.0	9.23	2.59	201.3	0.0	0.0	0.0
364 DL	9.1	11.8	20.4	0.24	0.007	0.019	0.05	5.92	48.42	48.60	20.67	0.0	0.006	20.0	9.46	2.55	201.3	0.0	0.0	0.0
365 DL	9.0	11.0	20.3	0.23	0.007	0.017	0.05	5.80	48.43	49.50	20.74	0.0	0.006	20.0	9.66	2.59	201.3	0.0	0.0	0.0
366 DL	9.0	10.2	20.3	0.22	0.007	0.016	0.05	5.64	48.44	50.68	20.82	0.0	0.006	20.0	9.93	2.61	201.3	0.0	0.0	0.0
367 DL	8.9	9.9	20.2	0.22	0.007	0.016	0.05	5.49	48.44	51.87	20.90	0.0	0.006	19.9	10.19	2.58	201.3	0.0	0.0	0.0
368 DL	8.8	9.6	19.8	0.21	0.007	0.015	0.05	5.39	48.44	52.69	20.96	0.0	0.006	19.9	10.38	2.64	201.3	0.0	0.0	0.0
369 DL	8.6	9.3	18.5	0.21	0.007	0.015	0.05	5.29	48.43	53.48	21.01	0.0	0.005	18.5	9.90	2.82	201.3	0.0	0.0	0.0
370 DL	8.4	9.0	15.9	0.20	0.007	0.014	0.04	5.07	48.44	55.45	21.15	0.0	0.004	13.8	7.74	2.65	201.3	0.0	0.0	0.0
371 DL	8.3	8.9	12.9	0.18	0.007	0.014	0.03	4.64	48.44	59.77	21.47	0.0	0.003	9.2	5.71	2.17	201.3	0.0	0.0	0.0
372 DL	8.1	8.6	11.8	0.16	0.006	0.014	0.03	4.12	48.45	65.86	21.93	0.0	0.002	6.0	4.19	3.06	201.3	0.0	0.0	0.0
373 DL	7.9	8.3	11.4	0.15	0.006	0.013	0.03	3.75	48.45	70.93	22.33	0.0	0.001	3.0	2.34	3.29	201.4	0.0	0.0	0.0
374 DL	7.6	8.0	12.1	0.14	0.006	0.013	0.03	3.56	48.45	73.94	22.57	0.0	0.000	1.7	1.40	3.32	201.3	0.0	0.0	0.0
375 DL	7.4	7.9	12.9	0.14	0.006	0.013	0.03	3.50	48.46	74.83	22.65	0.0	0.000	0.6	0.51	3.59	201.3	0.0	0.0	0.0
376 DL	7.2	7.7	13.7	0.14	0.006	0.012	0.04	3.51	48.46	74.73	22.64	0.0	0.000	0.1	0.06	3.75	201.3	0.0	0.0	0.0
377 DL	7.1	7.5	14.5	0.14	0.006	0.012	0.04	3.53	48.46	74.35	22.61	0.0	0.000	0.0	0.01	3.66	201.4	0.0	0.0	0.0
378 DL	6.9	7.2	15.0	0.14	0.005	0.012	0.04	3.56	48.47	73.99	22.58	0.0	0.000	0.0	1.27	3.59	201.4	0.0	0.0	0.0
379 DL	6.8	7.4	15.5	0.14	0.005	0.012	0.04	3.57	48.48	73.77	22.56	0.0	0.000	0.0	1.28	3.64	201.4	0.0	0.0	0.0
380 DL	6.8	8.3	17.6	0.15	0.005	0.013	0.05	3.65	48.47	72.55	22.46	0.0	0.000	1.2	0.77	3.48	201.5	0.0	0.0	0.0
381 DL	7.0	10.9	22.7	0.16	0.006	0.017	0.06	3.92	48.48	68.44	22.13	0.0	0.001	3.7	2.59	3.86	201.6	0.0	0.0	0.0
382 DL	7.4	21.1	30.7	0.18	0.006	0.034	0.08	4.55	48.47	60.53	21.51	0.0	0.001	4.6	2.76	5.43	201.7	0.0	0.0	0.0
383 DL	8.1	48.4	42.5	0.23	0.006	0.077	0.11	5.74	48.47	49.52	20.70	0.0	0.002	6.3	3.00	6.86	201.6	0.0	0.0	0.0
384 DL	9.1	87.9	57.9	0.31	0.007	0.140	0.15	7.88	48.47	37.41	19.89	0.0	0.002	8.3	2.85	13.01	201.5	0.0	0.0	0.0
385 DL	10.3	120.9	82.9	0.44	0.008	0.193	0.22	10.93	48.48	27.80	19.30	0.0	0.003	10.4	2.57	15.84	201.4	0.0	0.0	0.0
386 DL	11.8	129.6	121.4	0.59	0.009	0.207	0.32	14.88	48.48	20.96	18.91	0.0	0.003	12.4	2.29	13.89	201.3	0.0	0.0	0.0
387 DL	12.9	118.7	149.5	0.76	0.010	0.190	0.39	19.03	48.46	16.64	18.67	0.0	0.004	15.8	2.28	11.66	201.2	0.0	0.0	0.0
388 DL	14.0	105.4	163.1	0.89	0.011	0.168	0.43	22.22	48.42	14.37	18.55	0.0	0.005	17.1	2.14	7.64	201.4	0.0	0.0	0.0
389 DL	15.0	91.1	168.9	0.99	0.012	0.145	0.44	24.92	48.42	12.90	18.48	0.0	0.005	19.1	2.14	6.07	201.7	0.0	0.0	0.0
390 DL	15.2	74.3	139.9	1.06	0.012	0.118	0.37	26.51	48.40	12.17	18.44	0.0	0.006	20.3	2.14	6.72	201.9	0.0	0.0	0.0
391 DL	14.4	59.2	96.1	1.00	0.011	0.094	0.25	24.99	48.37	12.90	18.48	0.0	0.006	20.5	2.31	5.26	201.9	0.0	0.0	0.0
392 DL	13.3	47.4	61.4	0.85	0.011	0.076	0.16	21.36	48.38	15.03	18.60	0.0	0.005	19.4	2.55	3.61	202.0	0.0	0.0	0.0
393 DL	12.3	38.3	42.5	0.70	0.010	0.061	0.11	17.50	48.39	18.18	18.77	0.0	0.006	19.9	3.20	2.74	202.0	0.0	0.0	0.0
394 DL	11.5	31.2	35.6	0.58	0.009	0.050	0.09	14.46	48.40	21.74	18.98	0.0	0.006	20.1	3.90	3.01	202.0	0.0	0.0	0.0
395 DL	10.8	25.8	32.6	0.49	0.009	0.041	0.09	12.28	48.40	25.31	19.19	0.0	0.006	20.0	4.58	3.42	202.0	0.0	0.0	0.0
396 DL	10.3	22.0	29.0	0.42	0.008	0.035	0.08	10.65	48.41	28.85	19.40	0.0	0.006	19.9	5.25	3.29	202.1	0.0	0.0	0.0
397 DL	9.9	19.5	25.8	0.38	0.008	0.031	0.07	9.42	48.41	32.24	19.61	0.0	0.006	19.9	5.94	2.83	202.3	0.0	0.0	0.0
398 DL	9.7	17.7	24.0	0.34	0.008	0.028	0.06	8.54	48.41	35.22	19.79	0.0	0.006	19.9	6.55	2.72	202.3	0.0	0.0	0.0
399 DL	9.5	15.8	23.0	0.32	0.008	0.025	0.06	7.91	48.41	37.70	19.95	0.0	0.006	20.0	7.08	2.77	202.4	0.0	0.0	0.0

400	DL	9.4	14.0	22.3	0.29	0.007	0.022	0.06	7.39	48.43	40.09	20.10	0.0	0.006	20.0	7.59	2.73	202.4	0.0	0.0	0.0
401	DL	9.3	12.5	21.8	0.27	0.007	0.020	0.06	6.90	48.42	42.58	20.27	0.0	0.006	20.0	8.13	2.75	202.4	0.0	0.0	0.0
402	DL	9.2	11.5	21.6	0.26	0.007	0.018	0.06	6.47	48.42	45.02	20.43	0.0	0.006	20.0	8.67	2.72	202.4	0.0	0.0	0.0
403	DL	9.1	11.0	21.5	0.25	0.007	0.018	0.06	6.18	48.43	46.87	20.56	0.0	0.006	20.0	9.08	2.77	202.3	0.0	0.0	0.0
404	DL	9.0	10.7	21.5	0.24	0.007	0.017	0.06	6.00	48.42	48.03	20.64	0.0	0.006	20.0	9.35	2.79	202.3	0.0	0.0	0.0
405	DL	9.0	10.3	21.4	0.24	0.007	0.016	0.06	5.90	48.44	48.74	20.68	0.0	0.006	20.0	9.51	2.72	202.3	0.0	0.0	0.0
406	DL	8.9	9.8	21.1	0.23	0.007	0.016	0.06	5.80	48.43	49.48	20.74	0.0	0.006	20.0	9.67	2.72	202.2	0.0	0.0	0.0
407	DL	8.8	9.3	21.0	0.23	0.007	0.015	0.06	5.69	48.44	50.31	20.79	0.0	0.006	20.0	9.88	2.79	202.2	0.0	0.0	0.0
408	DL	8.8	8.7	20.5	0.22	0.007	0.014	0.05	5.56	48.44	51.36	20.87	0.0	0.006	20.0	10.12	2.81	202.2	0.0	0.0	0.0
409	DL	8.6	8.4	18.8	0.21	0.007	0.013	0.05	5.37	48.44	52.91	20.97	0.0	0.005	18.7	9.89	2.76	202.2	0.0	0.0	0.0
410	DL	8.4	8.3	16.0	0.20	0.007	0.013	0.04	5.08	48.45	55.42	21.15	0.0	0.004	14.0	7.84	2.73	202.2	0.0	0.0	0.0
411	DL	8.3	8.5	12.8	0.19	0.007	0.014	0.03	4.67	48.45	59.48	21.45	0.0	0.003	9.8	5.97	2.25	202.2	0.0	0.0	0.0
412	DL	8.1	8.3	11.5	0.17	0.006	0.013	0.03	4.22	48.45	64.61	21.83	0.0	0.002	6.6	4.48	3.15	202.1	0.0	0.0	0.0
413	DL	7.9	7.8	11.1	0.15	0.006	0.013	0.03	3.86	48.46	69.35	22.20	0.0	0.001	3.6	2.69	3.34	202.2	0.0	0.0	0.0
414	DL	7.7	7.4	11.7	0.14	0.006	0.012	0.03	3.59	48.46	73.39	22.53	0.0	0.001	2.0	1.61	3.28	202.3	0.0	0.0	0.0
415	DL	7.4	7.2	12.6	0.14	0.006	0.011	0.03	3.45	48.47	75.81	22.73	0.0	0.000	1.0	0.81	3.50	202.3	0.0	0.0	0.0
416	DL	7.2	7.1	13.4	0.14	0.006	0.011	0.04	3.40	48.48	76.58	22.79	0.0	0.000	0.3	0.25	3.55	202.4	0.0	0.0	0.0
417	DL	7.1	7.0	14.3	0.14	0.006	0.011	0.04	3.43	48.47	76.20	22.76	0.0	0.000	0.3	0.26	3.80	202.5	0.0	0.0	0.0
418	DL	6.9	7.0	15.0	0.14	0.005	0.011	0.04	3.49	48.47	75.15	22.67	0.0	0.000	0.4	0.28	4.01	202.5	0.0	0.0	0.0
419	DL	6.8	7.3	15.9	0.14	0.005	0.012	0.04	3.55	48.47	74.04	22.58	0.0	0.000	0.1	0.08	3.99	202.5	0.0	0.0	0.0
420	DL	6.9	10.0	18.7	0.15	0.005	0.016	0.05	3.68	48.48	72.02	22.42	0.0	0.000	0.6	0.33	3.85	202.4	0.0	0.0	0.0
421	DL	7.3	17.9	25.6	0.16	0.006	0.029	0.07	4.10	48.48	65.86	21.92	0.0	0.001	3.6	2.38	4.32	202.4	0.0	0.0	0.0
422	DL	7.9	35.0	36.5	0.20	0.006	0.056	0.10	5.10	48.49	54.86	21.08	0.0	0.001	5.2	2.75	7.94	202.4	0.0	0.0	0.0
423	DL	8.7	66.3	49.6	0.27	0.007	0.106	0.13	6.71	48.48	43.17	20.27	0.0	0.002	6.9	2.79	11.78	202.4	0.0	0.0	0.0
424	DL	9.6	107.0	66.3	0.36	0.008	0.171	0.17	9.00	48.48	33.12	19.62	0.0	0.002	8.8	2.66	15.87	202.2	0.0	0.0	0.0
425	DL	10.7	137.1	93.2	0.49	0.008	0.219	0.24	12.30	48.48	24.93	19.13	0.0	0.003	11.1	2.45	16.25	202.1	0.0	0.0	0.0
426	DL	11.9	139.8	125.0	0.67	0.009	0.223	0.33	16.75	48.48	18.75	18.78	0.0	0.004	13.0	2.13	14.21	202.1	0.0	0.0	0.0
427	DL	13.0	127.7	144.0	0.83	0.010	0.204	0.38	20.83	48.45	15.26	18.60	0.0	0.004	15.7	2.09	10.37	202.2	0.0	0.0	0.0
428	DL	14.1	115.6	157.6	0.93	0.011	0.185	0.41	23.40	48.43	13.67	18.52	0.0	0.005	17.3	2.04	6.74	202.5	0.0	0.0	0.0
429	DL	14.9	99.8	160.8	1.01	0.012	0.159	0.42	25.28	48.42	12.71	18.47	0.0	0.005	19.2	2.12	6.20	202.6	0.0	0.0	0.0
430	DL	15.0	80.0	134.1	1.04	0.012	0.128	0.35	26.08	48.40	12.35	18.45	0.0	0.006	20.1	2.16	5.90	202.8	0.0	0.0	0.0
431	DL	14.3	62.6	97.8	0.98	0.011	0.100	0.26	24.44	48.36	13.17	18.50	0.0	0.006	20.9	2.41	4.35	202.9	0.0	0.0	0.0
432	DL	13.1	50.0	70.1	0.85	0.010	0.080	0.18	21.19	48.38	15.13	18.60	0.0	0.006	20.3	2.70	3.27	202.9	0.0	0.0	0.0
433	DL	12.0	40.4	49.6	0.71	0.009	0.064	0.13	17.91	48.39	17.77	18.75	0.0	0.006	20.1	3.15	2.87	202.9	0.0	0.0	0.0
434	DL	11.1	32.4	35.1	0.60	0.009	0.052	0.09	15.03	48.40	20.98	18.93	0.0	0.006	20.0	3.74	2.55	202.9	0.0	0.0	0.0
435	DL	10.5	26.2	27.2	0.50	0.008	0.042	0.07	12.48	48.40	24.95	19.16	0.0	0.006	20.0	4.50	2.39	203.0	0.0	0.0	0.0
436	DL	10.1	22.2	23.5	0.42	0.008	0.035	0.06	10.47	48.41	29.33	19.43	0.0	0.006	20.0	5.36	2.46	203.0	0.0	0.0	0.0
437	DL	9.9	19.6	22.0	0.36	0.008	0.031	0.06	9.12	48.40	33.19	19.67	0.0	0.006	20.0	6.15	2.50	203.1	0.0	0.0	0.0
438	DL	9.7	17.4	21.5	0.33	0.008	0.028	0.06	8.30	48.42	36.13	19.85	0.0	0.006	20.0	6.76	2.56	203.1	0.0	0.0	0.0
439	DL	9.6	15.1	20.9	0.31	0.008	0.024	0.05	7.66	48.42	38.80	20.02	0.0	0.006	19.9	7.30	2.57	203.2	0.0	0.0	0.0
440	DL	9.5	13.4	20.5	0.28	0.007	0.021	0.05	7.07	48.43	41.69	20.21	0.0	0.006	20.0	7.92	2.53	203.2	0.0	0.0	0.0
441	DL	9.4	12.4	20.1	0.26	0.007	0.020	0.05	6.57	48.42	44.43	20.39	0.0	0.006	19.9	8.51	2.55	203.2	0.0	0.0	0.0
442	DL	9.3	11.8	19.9	0.25	0.007	0.019	0.05	6.26	48.43	46.33	20.52	0.0	0.006	19.9	8.93	2.57	203.2	0.0	0.0	0.0
443	DL	9.2	11.0	19.8	0.24	0.007	0.018	0.05	6.06	48.42	47.61	20.61	0.0	0.006	19.9	9.20	2.51	203.1	0.0	0.0	0.0
444	DL	9.1	10.0	19.8	0.23	0.007	0.016	0.05	5.89	48.43	48.85	20.69	0.0	0.006	19.9	9.49	2.61	203.1	0.0	0.0	0.0
445	DL	9.0	9.3	20.2	0.23	0.007	0.015	0.05	5.69	48.44	50.31	20.79	0.0	0.006	19.9	9.82	2.62	203.0	0.0	0.0	0.0
446	DL	8.9	9.1	20.7	0.22	0.007	0.014	0.05	5.53	48.43	51.53	20.88	0.0	0.006	19.9	10.11	2.63	203.0	0.0	0.0	0.0
447	DL	8.9	8.9	21.1	0.22	0.007	0.014	0.06	5.48	48.44	51.94	20.91	0.0	0.006	20.0	10.25	2.70	203.1	0.0	0.0	0.0
448	DL	8.8	8.5	21.2	0.22	0.007	0.014	0.06	5.48	48.43	51.92	20.91	0.0	0.006	20.1	10.26	2.82	203.1	0.0	0.0	0.0
449	DL	8.6	8.1	19.8	0.22	0.007	0.013	0.05	5.42	48.44	52.44	20.94	0.0	0.005	18.6	9.74	2.92	203.1	0.0	0.0	0.0
450	DL	8.4	7.9	16.8	0.21	0.007	0.013	0.04	5.16	48.44	54.69	21.10	0.0	0.004	14.2	7.80	2.83	203.1	0.0	0.0	0.0
451	DL	8.3	7.9	13.6	0.19	0.007	0.013	0.04	4.72	48.45	58.96	21.41	0.0	0.003	9.9	5.98	2.34	203.1	0.0	0.0	0.0
452	DL	8.1	7.7	12.0	0.17	0.006	0.012	0.03	4.28	48.45	63.87	21.78	0.0	0.002	6.8	4.54	3.04	203.1	0.0	0.0	0.0
453	DL	7.9	7.2	11.2	0.16	0.006	0.012	0.03	3.93	48.46	68.32	22.12	0.0	0.001	3.8	2.80	3.28	203.2	0.0	0.0	0.0
454	DL	7.7	6.9	11.6	0.15	0.006	0.011	0.03	3.67	48.46	72.20	22.43	0.0	0.001	2.1	1.69	3.41	203.2	0.0	0.0	0.0
455	DL	7.5	6.5	12.5	0.14	0.006	0.010	0.03	3.50	48.46	74.89	22.65	0.0	0.000	1.1	0.90	3.56	203.2	0.0	0.0	0.0
456	DL	7.3	6.4	13.4	0.14	0.006	0.010	0.04	3.44	48.46	75.91	22.74	0.0	0.000	0.2	0.20	3.74	203.2	0.0	0.0	0.0
457	DL	7.1	6.4	14.1	0.14	0.006	0.010	0.04	3.46	48.47	75.64	22.72	0.0	0.000	0.0	0.01	3.56	203.3	0.0	0.0	0.0
458	DL	7.0	6.3	14.5	0.14	0.006	0.010	0.04	3.51	48.47	74.88	22.65	0.0	0.000	0.0	1.25	3.56	203.3	0.0	0.0	0.0

459 DL	6.8	6.5	15.2	0.14	0.005	0.010	0.04	3.54	48.47	74.24	22.60	0.0	0.000	0.0	1.27	3.84	203.3	0.0	0.0	0.0
460 DL	6.9	8.3	17.8	0.14	0.005	0.013	0.05	3.64	48.48	72.72	22.47	0.0	0.000	0.8	0.51	3.85	203.3	0.0	0.0	0.0
461 DL	7.2	12.9	24.0	0.16	0.006	0.021	0.06	3.99	48.47	67.40	22.04	0.0	0.001	3.9	2.72	4.32	203.3	0.0	0.0	0.0
462 DL	7.7	23.8	33.1	0.19	0.006	0.038	0.09	4.80	48.47	57.86	21.31	0.0	0.001	5.1	2.90	7.04	203.3	0.0	0.0	0.0
463 DL	8.6	50.8	45.2	0.24	0.007	0.081	0.12	6.11	48.47	46.93	20.53	0.0	0.002	6.7	2.97	8.48	203.3	0.0	0.0	0.0
464 DL	9.6	90.9	61.0	0.33	0.008	0.145	0.16	8.23	48.48	35.97	19.80	0.0	0.002	8.7	2.85	13.11	203.2	0.0	0.0	0.0
465 DL	10.8	122.1	87.5	0.46	0.009	0.195	0.23	11.47	48.48	26.63	19.23	0.0	0.003	10.8	2.57	15.33	203.0	0.0	0.0	0.0
466 DL	12.2	126.6	125.1	0.63	0.010	0.202	0.33	15.73	48.48	19.91	18.85	0.0	0.004	12.9	2.24	13.29	203.0	0.0	0.0	0.0
467 DL	13.2	112.4	148.9	0.79	0.010	0.179	0.39	19.78	48.45	16.05	18.64	0.0	0.004	16.0	2.24	10.36	203.2	0.0	0.0	0.0
468 DL	14.2	96.2	151.5	0.89	0.011	0.154	0.40	22.33	48.42	14.31	18.55	0.0	0.005	17.3	2.15	7.19	203.4	0.0	0.0	0.0
469 DL	15.1	81.9	148.4	0.95	0.012	0.131	0.39	23.96	48.41	13.40	18.51	0.0	0.005	18.8	2.19	5.34	203.5	0.0	0.0	0.0
470 DL	15.3	67.0	126.4	0.99	0.012	0.107	0.33	24.93	48.40	12.92	18.48	0.0	0.006	20.0	2.25	4.95	203.7	0.0	0.0	0.0
471 DL	14.7	53.4	91.9	0.95	0.012	0.085	0.24	23.77	48.37	13.53	18.52	0.0	0.006	20.8	2.45	4.03	203.8	0.0	0.0	0.0
472 DL	13.5	42.4	64.6	0.83	0.011	0.068	0.17	20.81	48.37	15.40	18.62	0.0	0.006	20.0	2.70	3.23	203.9	0.0	0.0	0.0
473 DL	12.4	33.4	46.7	0.70	0.010	0.053	0.12	17.51	48.39	18.17	18.77	0.0	0.006	20.1	3.22	2.75	203.8	0.0	0.0	0.0
474 DL	11.4	26.4	35.5	0.58	0.009	0.042	0.09	14.55	48.40	21.64	18.97	0.0	0.006	20.0	3.86	2.71	203.8	0.0	0.0	0.0
475 DL	10.8	21.7	28.0	0.48	0.009	0.035	0.07	12.11	48.40	25.68	19.21	0.0	0.006	19.8	4.60	2.71	203.8	0.0	0.0	0.0
476 DL	10.3	18.6	23.5	0.41	0.008	0.030	0.06	10.23	48.40	29.96	19.47	0.0	0.006	19.9	5.46	2.58	203.8	0.0	0.0	0.0
477 DL	10.0	16.4	21.9	0.36	0.008	0.026	0.06	8.99	48.40	33.64	19.69	0.0	0.006	19.9	6.22	2.63	203.9	0.0	0.0	0.0
478 DL	9.8	14.5	21.9	0.33	0.008	0.023	0.06	8.19	48.41	36.59	19.88	0.0	0.006	19.9	6.84	2.75	204.0	0.0	0.0	0.0
479 DL	9.6	12.8	22.0	0.30	0.008	0.020	0.06	7.57	48.41	39.24	20.05	0.0	0.006	20.0	7.40	2.89	204.0	0.0	0.0	0.0
480 DL	9.5	11.5	22.0	0.28	0.007	0.018	0.06	7.03	48.43	41.90	20.22	0.0	0.006	20.0	7.98	2.83	204.0	0.0	0.0	0.0
481 DL	9.4	10.7	22.0	0.26	0.007	0.017	0.06	6.61	48.42	44.20	20.38	0.0	0.006	20.0	8.48	2.86	204.0	0.0	0.0	0.0
482 DL	9.2	10.3	21.8	0.25	0.007	0.016	0.06	6.36	48.42	45.70	20.48	0.0	0.006	20.0	8.81	2.94	204.0	0.0	0.0	0.0
483 DL	9.1	9.8	21.8	0.25	0.007	0.016	0.06	6.21	48.43	46.65	20.54	0.0	0.006	20.0	9.04	3.00	204.0	0.0	0.0	0.0
484 DL	9.1	9.1	21.7	0.24	0.007	0.015	0.06	6.09	48.43	47.50	20.60	0.0	0.006	20.0	9.24	2.92	204.0	0.0	0.0	0.0
485 DL	9.0	8.6	21.7	0.24	0.007	0.014	0.06	5.93	48.42	48.58	20.67	0.0	0.006	20.1	9.50	2.88	204.0	0.0	0.0	0.0
486 DL	8.9	8.3	21.8	0.23	0.007	0.013	0.06	5.78	48.44	49.64	20.75	0.0	0.006	20.1	9.76	2.94	204.0	0.0	0.0	0.0
487 DL	8.8	8.2	21.9	0.23	0.007	0.013	0.06	5.70	48.44	50.28	20.79	0.0	0.006	20.1	9.90	2.97	203.9	0.0	0.0	0.0
488 DL	8.8	7.9	21.5	0.23	0.007	0.013	0.06	5.66	48.44	50.57	20.81	0.0	0.006	20.1	9.98	2.90	203.9	0.0	0.0	0.0
489 DL	8.6	7.4	19.6	0.22	0.007	0.012	0.05	5.55	48.44	51.41	20.87	0.0	0.005	18.8	9.59	3.02	203.9	0.0	0.0	0.0
490 DL	8.4	7.0	16.4	0.21	0.007	0.011	0.04	5.25	48.44	53.95	21.05	0.0	0.004	13.9	7.55	2.93	203.9	0.0	0.0	0.0
491 DL	8.3	7.0	13.4	0.19	0.007	0.011	0.04	4.76	48.44	58.55	21.38	0.0	0.003	9.8	5.88	2.52	203.9	0.0	0.0	0.0
492 DL	8.1	6.9	11.9	0.17	0.006	0.011	0.03	4.30	48.45	63.68	21.76	0.0	0.002	6.9	4.63	3.32	203.9	0.0	0.0	0.0
493 DL	7.9	6.6	11.2	0.16	0.006	0.011	0.03	3.95	48.45	68.07	22.10	0.0	0.001	4.1	3.01	3.47	204.0	0.0	0.0	0.0
494 DL	7.7	6.2	11.5	0.15	0.006	0.010	0.03	3.70	48.45	71.70	22.39	0.0	0.001	2.2	1.76	3.40	204.1	0.0	0.0	0.0
495 DL	7.5	5.8	12.2	0.14	0.006	0.009	0.03	3.54	48.45	74.36	22.61	0.0	0.000	1.1	0.90	3.46	204.0	0.0	0.0	0.0
496 DL	7.3	5.7	13.1	0.14	0.006	0.009	0.03	3.45	48.46	75.79	22.73	0.0	0.000	0.6	0.49	3.61	204.0	0.0	0.0	0.0
497 DL	7.2	5.7	13.9	0.14	0.006	0.009	0.04	3.45	48.47	75.80	22.73	0.0	0.000	0.0	0.02	3.80	204.1	0.0	0.0	0.0
498 DL	7.0	5.8	14.8	0.14	0.006	0.009	0.04	3.51	48.47	74.88	22.65	0.0	0.000	0.0	1.25	3.93	204.1	0.0	0.0	0.0
499 DL	6.9	6.4	15.9	0.14	0.005	0.010	0.04	3.58	48.46	73.71	22.56	0.0	0.000	0.0	1.28	3.98	204.2	0.0	0.0	0.0
500 DL	7.1	9.5	19.3	0.15	0.006	0.015	0.05	3.73	48.47	71.22	22.35	0.0	0.000	1.1	0.67	3.88	204.2	0.0	0.0	0.0
501 DL	7.5	17.5	27.1	0.17	0.006	0.028	0.07	4.23	48.47	64.24	21.79	0.0	0.001	4.2	2.72	4.61	204.3	0.0	0.0	0.0
502 DL	8.1	31.7	37.6	0.21	0.006	0.051	0.10	5.31	48.47	53.15	20.96	0.0	0.002	5.5	2.85	8.50	204.4	0.0	0.0	0.0
503 DL	8.9	58.2	49.7	0.27	0.007	0.093	0.13	6.87	48.48	42.34	20.22	0.0	0.002	7.1	2.82	11.52	204.4	0.0	0.0	0.0
504 DL	9.8	95.5	64.8	0.36	0.008	0.153	0.17	9.03	48.47	33.08	19.62	0.0	0.002	8.9	2.70	13.88	204.3	0.0	0.0	0.0
505 DL	10.9	125.2	89.1	0.48	0.009	0.200	0.23	12.13	48.48	25.28	19.15	0.0	0.003	11.1	2.48	15.18	204.2	0.0	0.0	0.0
506 DL	12.0	130.1	119.4	0.65	0.010	0.208	0.31	16.36	48.47	19.19	18.81	0.0	0.004	13.3	2.22	13.37	204.1	0.0	0.0	0.0
507 DL	12.9	122.9	136.9	0.81	0.010	0.196	0.36	20.30	48.45	15.64	18.62	0.0	0.004	15.8	2.15	9.71	204.1	0.0	0.0	0.0
508 DL	13.9	116.2	152.3	0.91	0.011	0.185	0.40	22.77	48.43	14.03	18.53	0.0	0.005	17.1	2.08	6.42	204.2	0.0	0.0	0.0
509 DL	14.7	102.1	158.7	0.99	0.012	0.163	0.42	24.81	48.43	12.94	18.48	0.0	0.005	19.3	2.16	6.91	204.3	0.0	0.0	0.0
510 DL	14.7	81.1	128.4	1.02	0.012	0.129	0.34	25.64	48.39	12.56	18.46	0.0	0.006	20.2	2.21	7.23	204.4	0.0	0.0	0.0
511 DL	13.8	61.6	88.1	0.94	0.011	0.098	0.23	23.60	48.37	13.63	18.52	0.0	0.006	20.4	2.43	5.53	204.6	0.0	0.0	0.0
512 DL	12.7	47.9	60.1	0.79	0.010	0.076	0.16	19.85	48.38	16.11	18.66	0.0	0.006	19.9	2.82	3.67	204.6	0.0	0.0	0.0
513 DL	11.6	39.0	44.9	0.66	0.009	0.062	0.12	16.44	48.39	19.26	18.83	0.0	0.006	20.2	3.44	3.06	204.6	0.0	0.0	0.0
514 DL	10.8	32.4	36.0	0.56	0.009	0.052	0.09	14.03	48.40	22.34	19.01	0.0	0.006	19.9	3.99	3.07	204.6	0.0	0.0	0.0
515 DL	10.2	26.7	28.3	0.49	0.008	0.043	0.07	12.20	48.40	25.46	19.20	0.0	0.005	19.8	4.55	2.89	204.6	0.0	0.0	0.0
516 DL	9.9	21.8	23.6	0.42	0.008	0.035	0.06	10.52	48.41	29.18	19.42	0.0	0.006	19.9	5.31	2.59	204.7	0.0	0.0	0.0
517 DL	9.7	18.3	22.0	0.36	0.008	0.029	0.06	9.08	48.41	33.36	19.67	0.0	0.006	19.9	6.16	2.57	204.8	0.0	0.0	0.0

518	DL	9.5	16.2	21.7	0.32	0.008	0.026	0.06	8.05	48.42	37.14	19.91	0.0	0.006	19.9	6.94	2.76	204.8	0.0	0.0	0.0
519	DL	9.4	14.9	21.6	0.30	0.007	0.024	0.06	7.45	48.41	39.77	20.08	0.0	0.006	19.9	7.50	2.81	204.8	0.0	0.0	0.0
520	DL	9.3	13.6	21.3	0.28	0.007	0.022	0.06	7.10	48.41	41.52	20.20	0.0	0.006	19.9	7.87	2.74	204.8	0.0	0.0	0.0
521	DL	9.2	12.1	21.0	0.27	0.007	0.019	0.06	6.79	48.42	43.15	20.31	0.0	0.006	19.9	8.23	2.73	204.8	0.0	0.0	0.0
522	DL	9.1	10.8	20.8	0.26	0.007	0.017	0.05	6.46	48.42	45.13	20.44	0.0	0.006	19.9	8.66	2.73	204.8	0.0	0.0	0.0
523	DL	9.0	10.0	20.8	0.24	0.007	0.016	0.05	6.15	48.42	47.09	20.57	0.0	0.006	19.9	9.10	2.68	204.8	0.0	0.0	0.0
524	DL	8.9	9.6	20.6	0.24	0.007	0.015	0.05	5.94	48.43	48.52	20.67	0.0	0.006	19.9	9.42	2.74	204.8	0.0	0.0	0.0
525	DL	8.8	9.2	20.6	0.23	0.007	0.015	0.05	5.83	48.44	49.29	20.72	0.0	0.006	19.9	9.60	2.73	204.8	0.0	0.0	0.0
526	DL	8.8	8.7	20.5	0.23	0.007	0.014	0.05	5.75	48.43	49.90	20.77	0.0	0.006	20.0	9.76	2.74	204.8	0.0	0.0	0.0
527	DL	8.7	8.2	20.5	0.22	0.007	0.013	0.05	5.64	48.44	50.69	20.82	0.0	0.006	20.0	9.93	2.70	204.8	0.0	0.0	0.0
528	DL	8.6	7.7	20.2	0.22	0.007	0.012	0.05	5.52	48.43	51.68	20.89	0.0	0.006	20.0	10.17	2.80	204.8	0.0	0.0	0.0
529	DL	8.5	7.4	18.6	0.21	0.007	0.012	0.05	5.36	48.43	53.00	20.98	0.0	0.005	18.5	9.80	2.84	204.8	0.0	0.0	0.0
530	DL	8.3	7.2	15.6	0.20	0.007	0.012	0.04	5.11	48.44	55.17	21.14	0.0	0.004	13.8	7.71	2.81	204.8	0.0	0.0	0.0
531	DL	8.2	7.1	12.9	0.19	0.006	0.011	0.03	4.71	48.45	59.00	21.41	0.0	0.003	9.8	5.90	2.33	204.8	0.0	0.0	0.0
532	DL	8.0	6.8	11.6	0.17	0.006	0.011	0.03	4.27	48.45	63.99	21.79	0.0	0.002	7.1	4.73	3.22	204.8	0.0	0.0	0.0
533	DL	7.8	6.4	11.1	0.15	0.006	0.010	0.03	3.87	48.45	69.28	22.20	0.0	0.001	4.3	3.16	3.32	204.8	0.0	0.0	0.0
534	DL	7.6	6.2	11.6	0.14	0.006	0.010	0.03	3.58	48.45	73.62	22.55	0.0	0.001	2.3	1.84	3.21	204.9	0.0	0.0	0.0
535	DL	7.4	6.0	12.5	0.14	0.006	0.010	0.03	3.46	48.45	75.56	22.71	0.0	0.000	1.0	0.83	3.40	204.9	0.0	0.0	0.0
536	DL	7.2	5.9	13.5	0.14	0.006	0.009	0.04	3.46	48.45	75.69	22.72	0.0	0.000	0.1	0.12	3.67	204.9	0.0	0.0	0.0
537	DL	7.0	5.8	14.2	0.14	0.006	0.009	0.04	3.49	48.46	75.12	22.67	0.0	0.000	0.0	0.02	3.60	204.9	0.0	0.0	0.0
538	DL	6.9	5.7	14.7	0.14	0.005	0.009	0.04	3.53	48.47	74.52	22.62	0.0	0.000	0.0	1.26	3.62	205.0	0.0	0.0	0.0
539	DL	6.8	5.9	15.5	0.14	0.005	0.009	0.04	3.56	48.46	73.98	22.58	0.0	0.000	0.0	1.27	3.67	205.0	0.0	0.0	0.0
540	DL	6.8	7.2	17.9	0.15	0.005	0.011	0.05	3.66	48.48	72.33	22.44	0.0	0.000	1.1	0.67	3.80	205.0	0.0	0.0	0.0
541	DL	7.1	10.4	23.5	0.16	0.006	0.017	0.06	3.99	48.46	67.57	22.06	0.0	0.001	3.9	2.69	4.23	205.0	0.0	0.0	0.0
542	DL	7.5	19.0	32.1	0.19	0.006	0.030	0.08	4.69	48.48	59.07	21.40	0.0	0.001	4.9	2.87	6.27	205.0	0.0	0.0	0.0
543	DL	8.3	42.0	43.1	0.23	0.007	0.067	0.11	5.87	48.47	48.64	20.65	0.0	0.002	6.5	3.02	7.13	204.8	0.0	0.0	0.0
544	DL	9.2	80.4	57.9	0.31	0.007	0.128	0.15	7.86	48.48	37.52	19.90	0.0	0.002	8.4	2.91	11.89	204.8	0.0	0.0	0.0
545	DL	10.4	114.3	82.7	0.44	0.008	0.183	0.22	10.97	48.48	27.78	19.30	0.0	0.003	10.6	2.61	14.61	204.7	0.0	0.0	0.0
546	DL	11.7	121.5	116.2	0.61	0.009	0.194	0.31	15.21	48.48	20.57	18.89	0.0	0.003	12.6	2.27	13.86	204.6	0.0	0.0	0.0
547	DL	12.7	113.9	137.5	0.76	0.010	0.182	0.36	19.17	48.45	16.52	18.67	0.0	0.004	15.6	2.25	11.12	204.8	0.0	0.0	0.0
548	DL	13.9	106.1	160.5	0.87	0.011	0.169	0.42	21.87	48.43	14.59	18.57	0.0	0.005	17.0	2.15	7.20	204.9	0.0	0.0	0.0
549	DL	14.9	92.7	176.7	0.97	0.012	0.148	0.46	24.46	48.42	13.13	18.49	0.0	0.005	19.3	2.20	7.82	205.0	0.0	0.0	0.0
550	DL	15.0	74.2	154.1	1.05	0.012	0.118	0.40	26.26	48.39	12.28	18.45	0.0	0.006	20.5	2.19	8.87	205.1	0.0	0.0	0.0
551	DL	14.2	56.8	113.7	1.01	0.011	0.091	0.30	25.24	48.36	12.77	18.47	0.0	0.006	21.2	2.36	6.32	205.2	0.0	0.0	0.0
552	DL	13.0	44.1	79.4	0.88	0.010	0.070	0.21	21.96	48.37	14.63	18.58	0.0	0.006	20.5	2.62	4.14	205.3	0.0	0.0	0.0
553	DL	11.9	35.3	53.3	0.73	0.009	0.056	0.14	18.33	48.38	17.40	18.73	0.0	0.006	20.3	3.11	3.08	205.3	0.0	0.0	0.0
554	DL	11.0	29.1	35.8	0.61	0.009	0.046	0.09	15.28	48.38	20.66	18.92	0.0	0.006	20.1	3.70	2.59	205.3	0.0	0.0	0.0
555	DL	10.4	24.1	26.1	0.51	0.008	0.038	0.07	12.90	48.39	24.20	19.12	0.0	0.006	20.1	4.37	2.44	205.3	0.0	0.0	0.0
556	DL	10.1	19.8	21.7	0.44	0.008	0.032	0.06	11.00	48.40	28.04	19.35	0.0	0.006	20.0	5.12	2.54	205.3	0.0	0.0	0.0
557	DL	9.8	16.5	20.0	0.38	0.008	0.026	0.05	9.44	48.40	32.24	19.61	0.0	0.006	20.0	5.95	2.57	205.4	0.0	0.0	0.0
558	DL	9.7	14.3	19.2	0.33	0.008	0.023	0.05	8.19	48.40	36.59	19.88	0.0	0.006	20.0	6.85	2.59	205.5	0.0	0.0	0.0
559	DL	9.6	13.0	19.0	0.29	0.008	0.021	0.05	7.36	48.41	40.20	20.11	0.0	0.006	19.9	7.59	2.55	205.5	0.0	0.0	0.0
560	DL	9.5	12.1	19.0	0.27	0.007	0.019	0.05	6.87	48.41	42.72	20.28	0.0	0.006	19.9	8.14	2.61	205.5	0.0	0.0	0.0
561	DL	9.4	11.1	19.1	0.26	0.007	0.018	0.05	6.55	48.41	44.54	20.40	0.0	0.006	19.9	8.53	2.61	205.5	0.0	0.0	0.0
562	DL	9.3	10.1	19.1	0.25	0.007	0.016	0.05	6.28	48.41	46.19	20.51	0.0	0.006	19.9	8.88	2.65	205.5	0.0	0.0	0.0
563	DL	9.2	9.0	19.1	0.24	0.007	0.014	0.05	6.00	48.42	48.09	20.64	0.0	0.006	19.9	9.29	2.73	205.5	0.0	0.0	0.0
564	DL	9.1	8.4	19.2	0.23	0.007	0.013	0.05	5.72	48.43	50.07	20.78	0.0	0.006	19.9	9.74	2.69	205.5	0.0	0.0	0.0
565	DL	9.0	8.1	19.8	0.22	0.007	0.013	0.05	5.54	48.43	51.49	20.88	0.0	0.006	19.9	10.08	2.72	205.5	0.0	0.0	0.0
566	DL	8.9	8.1	20.5	0.22	0.007	0.013	0.05	5.48	48.43	51.96	20.91	0.0	0.006	20.0	10.23	2.81	205.5	0.0	0.0	0.0
567	DL	8.9	8.0	21.3	0.22	0.007	0.013	0.06	5.50	48.43	51.82	20.90	0.0	0.006	20.0	10.22	2.92	205.5	0.0	0.0	0.0
568	DL	8.8	7.7	21.5	0.22	0.007	0.012	0.06	5.53	48.43	51.58	20.88	0.0	0.006	20.1	10.19	3.01	205.5	0.0	0.0	0.0
569	DL	8.6	7.3	20.1	0.22	0.007	0.012	0.05	5.48	48.44	52.02	20.91	0.0	0.005	18.9	9.78	3.13	205.4	0.0	0.0	0.0
570	DL	8.4	7.0	16.8	0.21	0.007	0.011	0.04	5.21	48.43	54.25	21.07	0.0	0.004	14.4	7.86	3.01	205.4	0.0	0.0	0.0
571	DL	8.3	7.0	13.3	0.19	0.007	0.011	0.03	4.72	48.45	59.00	21.41	0.0	0.003	10.3	6.21	2.43	205.4	0.0	0.0	0.0
572	DL	8.1	6.7	11.9	0.17	0.006	0.011	0.03	4.22	48.45	64.58	21.83	0.0	0.002	7.5	5.10	3.02	205.4	0.0	0.0	0.0
573	DL	7.9	6.4	11.2	0.16	0.006	0.010	0.03	3.89	48.45	68.90	22.17	0.0	0.001	4.8	3.59	3.34	205.5	0.0	0.0	0.0
574	DL	7.7	6.0	11.8	0.15	0.006	0.010	0.03	3.68	48.46	72.02	22.42	0.0	0.001	2.8	2.17	3.25	205.5	0.0	0.0	0.0
575	DL	7.5	5.6	12.6	0.14	0.006	0.009	0.03	3.56	48.46	73.97	22.58	0.0	0.000	1.5	1.19	3.47	205.5	0.0	0.0	0.0
576	DL	7.3	5.5	13.5	0.14	0.006	0.009	0.04	3.50	48.46	75.01	22.66	0.0	0.000	0.4	0.37	3.77	205.5	0.0	0.0	0.0

577 DL	7.1	5.5	14.3	0.14	0.006	0.009	0.04	3.50	48.47	74.96	22.66	0.0	0.000	0.0	0.02	3.75	205.5	0.0	0.0	0.0
578 DL	7.0	5.5	15.0	0.14	0.006	0.009	0.04	3.55	48.47	74.16	22.59	0.0	0.000	0.0	1.27	3.78	205.5	0.0	0.0	0.0
579 DL	6.8	5.5	15.5	0.14	0.005	0.009	0.04	3.61	48.46	73.20	22.52	0.0	0.000	0.0	1.29	3.83	205.5	0.0	0.0	0.0

Test #: 1054 CBD

Date: 5/9/94

Test cycle results

CO (g/mi) =	1.90
CO2 (g/mi) =	130.15
NOx (g/mi) =	5.28

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT_INL1	FT_INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
10:02:54	348.23	3.44	363.86	91.58	56.17	75.37	678.31							
10:02:55	348.23	3.44	363.86	91.58	56.17	75.37	678.31							
10:02:56	348.23	3.42	363.86	91.58	56.17	75.61	678.31							
10:02:57	348.23	3.43	363.86	92.80	56.17	74.64	679.83	11.9483	12.5192	0.1131	0.0024	0.0041	0.0033	0.0000
10:02:58	348.11	3.42	363.86	91.58	56.17	74.40	679.83	11.9483	12.5192	0.1131	0.0048	0.0082	0.0067	0.0001
10:02:59	265.81	3.43	364.35	92.80	57.39	75.37	679.83	11.9483	12.5160	0.1131	0.0072	0.0123	0.0100	0.0001
10:03:00	265.81	3.41	377.53	95.24	58.61	75.61	680.85	12.1076	12.6848	0.1131	0.0096	0.0164	0.0133	0.0001
10:03:01	265.81	3.43	378.02	95.24	58.61	75.37	682.88	11.9483	12.5160	0.0000	0.0120	0.0205	0.0133	0.0001
10:03:02	265.81	3.43	378.02	94.02	57.39	74.64	680.85	12.1076	12.6829	0.1131	0.0138	0.0247	0.0167	0.0002
10:03:03	265.81	3.43	378.02	94.02	57.39	75.37	682.88	12.4262	13.0140	0.1131	0.0157	0.0291	0.0200	0.0002
10:03:04	265.81	3.43	377.53	94.02	57.39	75.61	682.88	12.4262	13.0174	0.1131	0.0176	0.0335	0.0233	0.0002
10:03:05	265.81	3.45	377.53	94.02	58.61	74.64	681.86	12.2669	12.8505	0.1131	0.0195	0.0379	0.0267	0.0003
10:03:06	265.81	3.45	377.53	94.02	58.61	75.37	680.34	12.2669	12.8505	0.1131	0.0213	0.0423	0.0300	0.0003
10:03:07	265.81	3.46	377.53	95.24	57.39	75.61	681.36	12.2669	12.8505	0.1131	0.0232	0.0466	0.0334	0.0003
10:03:08	192.06	3.46	378.02	96.46	57.39	75.37	682.37	12.2669	12.8531	0.0000	0.0251	0.0510	0.0334	0.0003
10:03:09	191.94	3.46	392.19	97.68	58.61	74.40	681.36	12.2669	12.8531	0.0000	0.0269	0.0554	0.0334	0.0003
10:03:10	191.94	3.46	392.19	96.46	58.61	75.37	681.36	12.4262	13.0221	0.1131	0.0288	0.0598	0.0367	0.0003
10:03:11	192.06	3.49	392.19	96.46	58.61	74.64	681.36	12.5855	13.1873	0.1131	0.0302	0.0643	0.0401	0.0004
10:03:12	192.06	3.49	392.19	96.46	59.83	74.64	680.34	12.7448	13.3542	0.1131	0.0316	0.0690	0.0434	0.0004
10:03:13	192.06	3.49	391.70	95.24	61.05	75.61	682.37	12.5855	13.1873	0.1131	0.0330	0.0736	0.0468	0.0004
10:03:14	191.94	3.50	391.70	95.24	61.05	74.64	683.90	12.5855	13.1920	0.1131	0.0344	0.0783	0.0502	0.0005
10:03:15	191.94	3.50	391.70	96.46	62.27	75.61	970.68	12.5855	13.1920	0.1131	0.0358	0.0829	0.0536	0.0005
10:03:16	191.94	3.50	392.19	100.12	65.93	75.61	1054.58	12.4262	13.0251	0.1131	0.0372	0.0875	0.0570	0.0005
10:03:17	191.94	3.50	392.19	100.12	65.93	75.61	1054.58	12.4262	13.0271	0.0000	0.0385	0.0921	0.0570	0.0005
10:03:18	192.06	3.50	391.70	107.45	72.04	75.13	1157.29	12.5855	13.1941	3.8447	0.0399	0.0968	0.1727	0.0016
10:03:19	149.94	3.50	393.65	184.37	92.80	74.64	1537.12	13.0634	13.6951	4.8625	0.0414	0.1016	0.3190	0.0030
10:03:20	149.82	3.50	394.14	255.19	123.32	75.37	1738.48	13.0634	13.6951	4.8625	0.0428	0.1064	0.4654	0.0043
10:03:21	149.94	3.51	393.65	638.58	213.68	75.61	1850.34	14.0193	14.6972	5.9933	0.0443	0.1116	0.6457	0.0060
10:03:22	149.82	3.53	393.65	1029.30	338.22	74.64	1852.37	24.0558	25.2171	9.9511	0.0464	0.1205	0.9452	0.0087
10:03:23	149.94	3.53	393.65	1446.89	500.61	74.40	1856.44	33.2958	34.9032	11.8735	0.0493	0.1329	1.3025	0.0120
10:03:24	149.94	3.53	393.65	1571.43	548.23	74.64	1783.22	83.3192	87.3597	15.8313	0.0564	0.1638	1.7811	0.0164
10:03:25	149.94	3.53	393.65	1571.43	548.23	74.64	1783.22	134.2984	140.8403	17.5275	0.0680	0.2137	2.3133	0.0213
10:03:26	149.94	3.53	393.65	935.29	398.05	74.40	930.51	188.7824	197.9784	19.7892	0.0843	0.2838	2.9141	0.0268
10:03:27	149.94	3.55	393.65	628.82	321.12	75.13	928.98	205.0321	215.0195	20.5807	0.1019	0.3599	3.5390	0.0325
10:03:28	119.05	3.55	394.14	437.12	266.18	75.61	942.20	205.0321	215.0195	20.5807	0.1196	0.4360	4.1639	0.0382
10:03:29	119.05	3.55	397.56	293.04	202.69	75.13	947.29	122.0316	127.9759	20.2415	0.1301	0.4813	4.7785	0.0439
10:03:30	119.05	3.55	397.56	249.08	178.27	74.88	945.76	82.0447	86.0591	20.2415	0.1371	0.5118	5.3958	0.0495
10:03:31	119.05	3.56	397.56	229.55	162.39	75.13	937.12	57.0330	59.8202	20.5807	0.1410	0.5330	6.0235	0.0552
10:03:32	119.05	3.56	397.56	229.55	162.39	75.13	937.12	38.2344	40.1029	20.8069	0.1436	0.5473	6.6580	0.0610
10:03:33	119.05	3.56	397.56	188.03	124.54	74.88	938.14	32.4993	34.0875	20.5807	0.1459	0.5595	7.2857	0.0667
10:03:34	119.05	3.56	398.05	177.05	108.67	75.37	940.17	29.9503	31.4189	20.4676	0.1479	0.5708	7.9120	0.0724
10:03:35	119.05	3.56	397.56	164.84	100.12	74.88	940.17	29.9503	31.4189	20.4676	0.1500	0.5820	8.5382	0.0781
10:03:36	119.05	3.56	397.07	153.85	95.24	75.13	940.17	24.5338	25.7367	20.4676	0.1516	0.5912	9.1645	0.0837
10:03:37	119.05	3.56	397.56	140.42	90.35	75.37	940.17	23.1000	24.2326	20.5807	0.1532	0.5999	9.7942	0.0895
10:03:38	135.90	3.56	397.56	133.09	87.91	75.61	940.17	21.5069	22.5614	20.4676	0.1547	0.6079	10.4205	0.0951
10:03:39	135.90	3.56	437.61	125.76	86.69	75.13	941.70	20.0731	21.0573	20.5807	0.1561	0.6155	11.0502	0.1009
10:03:40	135.90	3.56	437.61	125.76	86.69	75.13	941.70	18.3207	19.2190	20.3545	0.1573	0.6223	11.6731	0.1065
10:03:41	135.90	3.57	437.61	128.21	90.35	74.64	942.71	17.3648	18.2168	20.5807	0.1587	0.6288	12.3028	0.1122
10:03:42	135.90	3.59	437.61	129.43	90.35	75.37	943.73	16.4089	17.2141	20.5807	0.1599	0.6356	12.9325	0.1179
10:03:43	135.90	3.59	438.10	136.75	89.13	75.37	942.71	16.4089	17.2141	20.5807	0.1612	0.6424	13.5623	0.1237
10:03:44	135.90	3.63	438.10	142.86	87.91	75.61	641.69	16.7276	17.5510	20.5807	0.1626	0.6493	14.1941	0.1294
10:03:45	135.90	3.65	438.10	133.09	85.47	75.37	716.95	16.8869	17.7228	20.5807	0.1639	0.6563	14.8293	0.1351
10:03:46	135.90	3.67	438.10	125.76	83.03	75.85	701.19	17.8427	18.7260	20.4676	0.1652	0.6636	15.4611	0.1408
10:03:47	135.90	3.74	437.61	116.00	81.81	75.61	692.54	18.6393	19.5731	15.9444	0.1667	0.6714	15.9591	0.1452
10:03:48	135.90	3.74	437.61	116.00	81.81	75.61	692.54	17.3648	18.2395	9.6119	0.1681	0.6785	16.2610	0.1479
10:03:49	210.50	3.86	478.63	103.79	75.70	75.61	686.95	16.4089	17.2391	6.3325	0.1693	0.6853	16.4607	0.1496
10:03:50	210.50	3.89	478.63	102.56	73.26	75.61	681.86	15.1345	15.9150	2.4878	0.1705	0.6916	16.5407	0.1503
10:03:51	210.50	3.95	478.63	100.12	72.04	74.88	683.90	15.1345	15.9150	2.4878	0.1717	0.6979	16.6206	0.1510
10:03:52	210.50	4.06	478.14	100.12	69.60	74.88	683.90	13.5413	14.2646	0.1131	0.1734	0.7040	16.6244	0.1511
10:03:53	210.50	4.11	478.14	98.90	68.38	75.85	682.88	13.3820	14.1033	0.1131	0.1750	0.7101	16.6282	0.1511
10:03:54	210.50	4.11	478.14	98.90	68.38	75.85	682.88	13.0634	13.7776	0.1131	0.1766	0.7160	16.6320	0.1511
10:03:55	210.50	4.26	478.63	101.34	68.38	75.37	998.64	13.0634	13.7983	0.1131	0.1782	0.7219	16.6360	0.1512
10:03:56	210.50	4.26	478.63	101.34	68.38	75.37	998.64	12.9041	13.6392	0.1131	0.1797	0.7278	16.6400	0.1512
10:03:57	210.50	4.31	478.14	105.01	70.82	74.88	1075.42	12.9041	13.6392	0.1131	0.1813	0.7337	16.6440	0.1512

1 K1	1	unitless	for flow calc	
2 K2	1	unitless	for NOx calc (expt deriv.)	K2 = 1/(1-0.0047*(H-75))
3 CO density	32.85	gm/ft^3	T = 70 F, P = 760 mmHG	H = grains of water/lbm dry ai
4 NOx densit	53.96	gm/ft^3	T = 70 F, P = 760 mmHG	
5 Rhc	1.8	unitless	Diesel #2	
6 Ywi	0.03	unitless	for humidity comp. (from chart)	
7 gear ratio	3.58	unitless		
8 axle rev	16	pulses		
9 tire	114	inches		
10 interval	1	seconds		
11 CO2 densit	51.61	gm/ft^3	T = 70 F, P = 760 mmHG	
12 FF1	0.5			
13 FF2	0			
14 Pipe Area	0.263	ft^2		

10:03:58	210.50	4.39	478.63	122.10	76.92	75.61	1208.65	13.2227	14.0027	4.0709	0.1829	0.7397	16.7930	0.1523
10:03:59	225.89	4.42	478.63	141.64	81.81	75.61	1351.53	13.2227	14.0027	4.0709	0.1845	0.7457	16.9420	0.1535
10:04:00	225.89	4.47	487.91	208.35	98.90	75.85	1588.48	13.7007	14.5201	5.0886	0.1862	0.7520	17.1309	0.1549
10:04:01	225.89	4.49	488.40	324.79	130.65	75.37	1802.54	15.9310	16.9005	6.7849	0.1881	0.7592	17.3871	0.1568
10:04:02	225.76	4.54	488.89	996.34	330.89	75.85	1868.14	18.4800	19.6132	8.1418	0.1906	0.7677	17.6966	0.1590
10:04:03	225.76	4.54	488.89	996.34	330.89	75.85	1868.14	26.9234	28.5937	10.6296	0.1941	0.7802	18.1054	0.1620
10:04:04	225.89	4.58	488.40	1717.95	648.35	75.37	1336.78	42.3765	45.0194	12.2127	0.1997	0.8000	18.5775	0.1654
10:04:05	225.89	4.58	488.40	1319.90	561.66	75.13	1000.17	129.9971	138.1902	17.5275	0.2168	0.8608	19.2622	0.1702
10:04:06	225.76	4.59	488.40	875.46	431.01	75.61	942.20	129.9971	138.1902	17.5275	0.2338	0.9215	19.9469	0.1751
10:04:07	233.82	4.57	488.40	573.87	324.79	74.88	943.73	224.1493	238.3997	22.1639	0.2633	1.0262	20.8201	0.1813
10:04:08	233.70	4.57	499.15	340.66	234.43	75.13	943.73	172.2142	183.1629	21.5984	0.2860	1.1067	21.6710	0.1873
10:04:09	233.70	4.57	498.66	266.18	191.70	74.88	941.19	114.2254	121.5061	20.5807	0.3010	1.1601	22.4839	0.1930
10:04:10	233.70	4.57	498.66	266.18	191.70	74.88	941.19	74.8758	79.6290	20.5807	0.3112	1.1950	23.2934	0.1987
10:04:11	233.70	4.53	498.66	185.59	124.54	74.88	940.17	44.4475	47.2691	20.5807	0.3172	1.2163	24.1028	0.2044
10:04:12	233.70	4.48	499.15	161.17	103.79	75.61	938.14	34.7296	36.9343	20.4676	0.3220	1.2328	24.9079	0.2101
10:04:13	233.70	4.46	498.66	152.63	103.79	74.88	938.14	34.7296	36.9343	20.4676	0.3267	1.2494	25.7129	0.2158
10:04:14	233.82	4.44	498.66	153.85	107.45	75.85	938.14	24.2151	25.7377	20.3545	0.3300	1.2609	26.5059	0.2214
10:04:15	233.82	4.39	498.66	151.40	102.56	75.61	936.61	21.0289	22.3373	20.5807	0.3328	1.2709	27.2995	0.2272
10:04:16	233.70	4.35	498.66	155.07	96.46	75.85	936.61	19.9138	21.1473	20.4676	0.3355	1.2804	28.0852	0.2329
10:04:17	233.82	4.31	499.15	151.40	92.80	75.37	938.14	20.0731	21.3098	20.4676	0.3383	1.2900	28.8669	0.2385
10:04:18	233.82	4.31	499.15	151.40	92.80	75.37	938.14	19.7544	20.9575	20.4676	0.3410	1.2994	29.6396	0.2442
10:04:19	257.39	4.22	485.96	131.87	86.69	75.37	940.68	20.2324	21.4534	20.4676	0.3437	1.3090	30.4054	0.2499
10:04:20	257.39	4.17	486.45	130.65	86.69	74.88	943.73	19.7544	20.9369	20.4676	0.3464	1.3184	31.1650	0.2556
10:04:21	257.39	4.14	485.96	131.87	85.47	75.85	944.75	19.7544	20.9369	20.4676	0.3491	1.3278	31.9247	0.2613
10:04:22	257.39	4.13	485.96	131.87	84.25	75.85	946.27	17.2055	18.2145	20.5807	0.3516	1.3358	32.6726	0.2670
10:04:23	257.39	4.10	486.45	136.75	81.81	74.88	695.59	17.0462	18.0337	20.5807	0.3542	1.3437	33.4116	0.2727
10:04:24	257.39	4.10	486.45	125.76	78.14	75.85	720.51	17.2055	18.1947	20.5807	0.3567	1.3516	34.1450	0.2784
10:04:25	257.39	4.10	485.96	116.00	75.70	75.37	698.14	17.2055	18.1918	20.5807	0.3593	1.3596	34.8763	0.2841
10:04:26	257.39	4.11	485.96	108.67	73.26	75.61	694.58	17.8427	18.8568	14.9267	0.3620	1.3678	35.4022	0.2883
10:04:27	257.39	4.11	485.96	108.67	73.26	75.61	694.58	16.4089	17.3415	11.3081	0.3644	1.3754	35.8007	0.2914
10:04:28	257.39	4.15	486.45	111.11	72.04	74.64	688.47	15.1345	15.9946	8.0287	0.3667	1.3824	36.0835	0.2937
10:04:29	324.91	4.22	474.24	106.23	72.04	75.85	677.80	14.1786	14.9875	3.5055	0.3688	1.3889	36.2075	0.2946
10:04:30	324.79	4.26	474.24	103.79	73.26	75.61	677.80	14.1786	14.9875	3.5055	0.3709	1.3955	36.3315	0.2956
10:04:31	324.91	4.32	474.24	103.79	78.14	74.88	679.32	14.4972	15.3331	1.6962	0.3730	1.4022	36.3921	0.2961
10:04:32	324.79	4.37	474.73	102.56	78.14	75.61	679.32	13.8600	14.6738	0.1131	0.3756	1.4084	36.3962	0.2961
10:04:33	324.91	4.42	474.24	102.56	75.70	74.88	681.86	13.5413	14.3446	0.0000	0.3782	1.4146	36.3962	0.2961
10:04:34	324.79	4.46	474.73	102.56	75.70	75.61	889.83	13.5413	14.3550	0.1131	0.3808	1.4207	36.4004	0.2961
10:04:35	324.91	4.50	474.73	102.56	76.92	74.64	976.78	13.3820	14.1950	0.1131	0.3833	1.4268	36.4047	0.2962
10:04:36	324.91	4.50	474.73	102.56	76.92	74.64	976.78	13.3820	14.2045	0.4523	0.3858	1.4328	36.4219	0.2963
10:04:37	302.20	4.55	474.24	125.76	86.69	75.13	1290.51	13.3820	14.2126	3.5055	0.3883	1.4389	36.5563	0.2973
10:04:38	302.20	4.59	486.45	155.07	94.02	75.85	1511.19	13.3820	14.2207	4.0709	0.3909	1.4449	36.7140	0.2984
10:04:39	302.20	4.60	486.45	263.74	120.88	75.85	1689.66	13.3820	14.2207	4.0709	0.3934	1.4510	36.8716	0.2995
10:04:40	302.20	4.60	486.45	483.52	164.84	75.61	1884.92	16.4089	17.4483	7.3503	0.3963	1.4585	37.1595	0.3016
10:04:41	302.20	4.60	486.45	1083.03	332.11	75.85	1867.63	20.2324	21.5239	9.0465	0.3998	1.4679	37.5165	0.3041
10:04:42	302.20	4.60	485.96	1468.86	496.95	74.88	1909.83	34.4110	36.6133	11.6473	0.4059	1.4839	37.9773	0.3073
10:04:43	302.20	4.62	486.94	1781.44	644.69	75.37	1933.73	63.0868	67.1243	13.0043	0.4170	1.5133	38.4919	0.3109
10:04:44	302.32	4.62	486.94	1781.44	644.69	75.37	1933.73	141.3081	150.3517	17.4144	0.4419	1.5790	39.1809	0.3158
10:04:45	302.20	4.60	485.96	1333.33	590.96	75.13	961.02	191.6500	203.9156	19.2237	0.4756	1.6682	39.9415	0.3211
10:04:46	302.20	4.59	485.96	720.39	393.16	75.37	953.39	232.4334	247.3602	20.6938	0.5165	1.7765	40.7630	0.3269
10:04:47	280.22	4.57	485.96	484.74	301.59	75.13	958.47	232.4334	247.3602	20.6938	0.5575	1.8848	41.5846	0.3326
10:04:48	280.34	4.55	501.10	354.09	239.32	75.85	954.41	173.9666	185.1004	20.9200	0.5881	1.9657	42.4123	0.3384
10:04:49	280.22	4.53	500.61	253.97	178.27	75.37	947.80	93.9930	99.9930	20.9200	0.6047	2.0094	43.2379	0.3442
10:04:50	280.34	4.50	501.10	221.00	153.85	75.37	943.22	63.2461	67.2633	21.0330	0.6150	2.0388	44.0645	0.3501
10:04:51	280.22	4.47	501.10	199.02	133.09	75.85	943.22	46.1999	49.1192	20.9200	0.6225	2.0609	44.8823	0.3559
10:04:52	280.34	4.44	501.10	175.82	116.00	74.88	941.19	33.1365	35.2248	20.5807	0.6279	2.0768	45.6849	0.3616
10:04:53	280.22	4.42	500.61	163.61	106.23	75.37	938.64	28.8351	30.6381	20.5807	0.6326	2.0906	46.4812	0.3673
10:04:54	280.34	4.37	501.10	150.18	98.90	75.85	938.64	25.9675	27.5812	20.5807	0.6369	2.1030	47.2727	0.3730
10:04:55	280.34	4.34	500.61	142.86	95.24	75.85	937.63	22.9406	24.3562	20.4676	0.6406	2.1140	48.0543	0.3787
10:04:56	280.22	4.28	501.10	140.42	106.23	74.88	935.59	21.3476	22.6589	20.3545	0.6441	2.1242	48.8282	0.3844
10:04:57	271.31	4.26	501.10	153.85	116.00	76.10	935.59	19.5951	20.7849	20.3545	0.6473	2.1336	49.5933	0.3900
10:04:58	271.31	4.21	494.26	156.29	107.45	75.85	937.12	18.6393	19.7628	20.4676	0.6503	2.1425	50.3570	0.3957
10:04:59	271.31	4.15	494.75	151.40	94.02	75.85	937.12	18.3207	19.4109	20.4676	0.6533	2.1512	51.1112	0.4014
10:05:00	271.31	4.12	494.26	139.19	89.13	75.85	941.70	20.0731	21.2595	20.4676	0.6564	2.1608	51.8605	0.4071
10:05:01	271.31	4.10	494.26	134.31	86.69	74.88	941.70	20.3917	21.5847	20.3545	0.6596	2.1704	52.5981	0.4127
10:05:02	271.31	4.06	494.26	130.65	86.69	74.88	943.73	19.7544	20.8940	20.3545	0.6627	2.1797	53.3256	0.4184
10:05:03	271.31	4.05	494.26	128.21	85.47	75.13	785.09	18.1614	19.1990	20.5807	0.6656	2.1882	54.0541	0.4241
10:05:04	271.31	4.03	494.26	114.77	79.37	75.13	721.02	17.5241	18.5215	20.4676	0.6683	2.1965	54.7760	0.4298
10:05:05	271.43	4.06	494.26	108.67	75.70	75.13	708.81	17.0462	18.0071	20.5807	0.6710	2.2045	55.4949	0.4355
10:05:06	271.31	4.08	494.26	103.79	73.26	75.85	694.58	16.7276	17.6677	16.9621	0.6736	2.2123	56.0857	0.4402
10:05:07	343.22	4.11	494.26	98.90	68.38	75.13	685.93	14.9752	15.8136	10.6296	0.6760	2.2193	56.4545	0.4432
10:05:08	343.22	4.15	489.87	97.68	65.93	75.85	681.86	14.1786	14.9771	8.0287	0.6782	2.2260	56.7347	0.4454
10:05:09	343.22	4.20	489.87	95.24	64.71	75.13	681.86	13.5413	14.3076	4.7494	0.6803	2.2324	56.9012	0.4467

10:05:10	343.22	4.26	490.35	94.02	63.49	75.37	680.85	12.9041	13.6425	1.3570	0.6829	2.2384	56.9492	0.4471
10:05:11	343.22	4.30	490.35	94.02	63.49	75.85	678.81	12.7448	13.4811	0.1131	0.6854	2.2444	56.9532	0.4471
10:05:12	343.22	4.37	489.87	92.80	62.27	75.13	682.88	12.4262	13.1529	0.1131	0.6879	2.2502	56.9573	0.4472
10:05:13	343.22	4.40	489.87	92.80	61.05	75.61	697.63	12.2669	12.9950	0.1131	0.6903	2.2559	56.9615	0.4472
10:05:14	343.10	4.47	490.35	94.02	64.71	75.13	1035.26	12.2669	13.0017	0.1131	0.6928	2.2616	56.9656	0.4472
10:05:15	343.22	4.50	490.35	100.12	68.38	75.13	1132.88	12.1076	12.8448	0.1131	0.6952	2.2673	56.9699	0.4473
10:05:16	343.10	4.54	490.35	109.89	74.48	75.13	1230.51	12.1076	12.8502	0.1131	0.6976	2.2729	56.9742	0.4473
10:05:17	343.22	4.57	489.87	130.65	79.37	74.88	1338.81	12.2669	13.0307	4.2971	0.7001	2.2787	57.1394	0.4485
10:05:18	329.43	4.60	490.35	189.26	91.58	74.88	1504.07	13.0634	13.8819	5.4279	0.7027	2.2848	57.3495	0.4500
10:05:19	329.30	4.61	490.35	260.07	120.88	75.61	1684.07	14.3379	15.2449	6.7849	0.7055	2.2915	57.6145	0.4519
10:05:20	329.30	4.63	490.35	582.42	223.44	75.37	1815.26	17.0462	18.1310	8.0287	0.7089	2.2995	57.9300	0.4541
10:05:21	329.30	4.63	490.84	946.28	329.67	74.88	1840.68	24.6931	26.2734	10.0642	0.7137	2.3111	58.3279	0.4569
10:05:22	329.30	4.64	489.87	1305.25	482.30	74.64	1803.56	33.9331	36.1121	11.6473	0.7202	2.3270	58.7899	0.4601
10:05:23	329.30	4.64	490.35	1488.40	561.66	74.88	1839.15	75.9909	80.8876	15.6051	0.7348	2.3627	59.4110	0.4645
10:05:24	329.43	4.62	490.35	1516.48	598.29	75.37	1667.80	123.4653	131.4211	17.4144	0.7585	2.4207	60.1041	0.4693
10:05:25	329.30	4.62	490.35	1306.47	564.10	74.64	947.29	170.3025	181.3138	19.3368	0.7912	2.5006	60.8763	0.4747
10:05:26	329.30	4.60	489.87	750.92	390.72	74.88	952.37	194.1990	206.7554	20.6938	0.8284	2.5918	61.7027	0.4804
10:05:27	296.83	4.58	489.87	514.04	296.70	74.88	956.95	197.8631	210.5803	21.2592	0.8664	2.6846	62.5467	0.4863
10:05:28	296.83	4.56	489.87	317.46	214.90	74.88	947.29	170.4618	181.4178	21.2592	0.8991	2.7646	63.3907	0.4922
10:05:29	296.83	4.56	490.35	257.63	188.03	74.88	947.29	97.9757	104.2459	20.8069	0.9179	2.8106	64.2133	0.4980
10:05:30	296.83	4.51	490.35	213.68	146.52	74.88	945.76	67.0696	71.3392	20.9200	0.9295	2.8420	65.0368	0.5038
10:05:31	296.83	4.48	490.35	192.92	123.32	75.37	945.76	41.4206	44.0506	20.5807	0.9367	2.8614	65.8449	0.5096
10:05:32	296.83	4.46	489.87	177.05	107.45	75.13	944.24	33.6144	35.7488	20.6938	0.9425	2.8772	66.6574	0.5153
10:05:33	296.83	4.39	490.35	163.61	100.12	75.37	942.71	27.8793	29.6265	20.6938	0.9473	2.8902	67.4595	0.5211
10:05:34	296.83	4.37	489.87	150.18	92.80	75.37	941.70	25.1710	26.7388	20.5807	0.9516	2.9020	68.2523	0.5268
10:05:35	296.70	4.31	490.35	145.30	92.80	75.13	940.68	23.1000	24.5337	20.5807	0.9556	2.9128	69.0424	0.5325
10:05:36	296.83	4.28	490.35	146.52	90.35	75.37	939.66	21.3476	22.6514	20.5807	0.9593	2.9228	69.8201	0.5382
10:05:37	296.83	4.24	490.35	141.64	87.91	75.13	939.66	19.5951	20.7844	20.4676	0.9627	2.9320	70.5887	0.5439
10:05:38	291.33	4.17	484.49	133.09	85.47	75.37	938.64	18.9579	20.0939	20.4676	0.9660	2.9408	71.3476	0.5496
10:05:39	291.33	4.13	484.49	128.21	84.25	75.37	938.64	19.1172	20.2534	20.5807	0.9692	2.9498	72.1045	0.5553
10:05:40	291.21	4.08	484.98	125.76	85.47	75.85	938.64	18.4800	19.5691	20.4676	0.9724	2.9584	72.8511	0.5610
10:05:41	291.33	4.05	484.98	126.98	85.47	75.13	938.64	17.3648	18.3709	20.3545	0.9754	2.9664	73.5813	0.5666
10:05:42	291.33	4.01	484.49	126.98	84.25	74.88	933.56	16.7276	17.6876	20.4676	0.9782	2.9741	74.3086	0.5723
10:05:43	291.21	4.01	484.98	120.88	84.25	75.13	653.39	16.4089	17.3390	20.4676	0.9809	2.9817	75.0270	0.5780
10:05:44	291.21	4.01	484.98	120.88	84.25	75.13	653.39	16.5683	17.4992	20.4676	0.9837	2.9893	75.7392	0.5837
10:05:45	291.33	4.01	484.49	113.55	83.03	75.61	721.53	16.5683	17.4911	20.3545	0.9865	2.9969	76.4413	0.5893
10:05:46	291.21	4.03	484.49	108.67	79.37	74.88	698.14	15.7717	16.6501	14.1351	0.9892	3.0042	76.9289	0.5933
10:05:47	327.84	4.06	484.49	102.56	75.70	75.85	684.41	15.7717	16.6501	14.1351	0.9918	3.0114	77.4165	0.5972
10:05:48	327.84	4.11	480.10	101.34	73.26	74.88	680.34	14.8158	15.6410	9.7250	0.9943	3.0183	77.7519	0.5999
10:05:49	327.84	4.16	480.59	98.90	70.82	74.88	681.86	14.1786	14.9714	5.9933	0.9967	3.0248	77.9595	0.6016
10:05:50	327.84	4.20	480.59	98.90	72.04	75.85	681.86	13.3820	14.1378	1.4701	0.9993	3.0309	78.0108	0.6020
10:05:51	327.84	4.26	480.59	101.34	75.70	74.88	681.86	13.2227	13.9782	0.9046	1.0018	3.0370	78.0428	0.6022
10:05:52	327.84	4.29	481.07	102.56	75.70	75.37	684.92	12.9041	13.6513	0.4523	1.0042	3.0429	78.0590	0.6023
10:05:53	327.84	4.36	480.10	103.79	81.81	75.13	773.39	12.9041	13.6577	0.1131	1.0067	3.0488	78.0631	0.6024
10:05:54	327.84	4.39	480.59	122.10	86.69	76.10	929.49	13.2227	14.0065	0.1131	1.0092	3.0548	78.0672	0.6024
10:05:55	327.84	4.39	480.59	139.19	86.69	75.85	982.88	13.3820	14.1804	0.0000	1.0117	3.0610	78.0672	0.6024
10:05:56	327.84	4.44	480.59	148.96	86.69	76.10	1133.90	13.5413	14.3625	1.0177	1.0143	3.0672	78.1053	0.6027
10:05:57	311.48	4.47	480.59	155.07	86.69	75.13	1313.39	15.9310	16.9032	3.8447	1.0173	3.0745	78.2504	0.6038
10:05:58	311.48	4.49	480.59	179.49	89.13	75.61	1538.14	18.1614	19.2697	4.4102	1.0208	3.0828	78.4167	0.6050
10:05:59	311.48	4.51	480.59	280.83	118.44	74.88	1735.43	19.4358	20.6358	5.3148	1.0245	3.0917	78.6195	0.6065
10:06:00	311.36	4.53	480.59	506.72	162.39	75.61	1873.22	20.2324	21.4909	7.6895	1.0282	3.1010	78.9152	0.6086
10:06:01	311.36	4.53	480.59	1117.22	321.12	76.10	1882.37	23.4186	24.8817	9.2726	1.0324	3.1118	79.2734	0.6112
10:06:02	311.48	4.55	480.59	1487.18	473.75	75.85	1918.48	36.6413	38.9407	11.9866	1.0390	3.1286	79.7384	0.6145
10:06:03	311.36	4.55	480.59	1788.77	623.93	75.37	1934.24	66.1137	70.2771	14.0220	1.0510	3.1590	80.2842	0.6184
10:06:04	311.36	4.53	480.10	1905.98	693.53	75.85	1102.37	145.7688	154.9482	17.7537	1.0774	3.2259	80.9753	0.6233
10:06:05	311.36	4.53	480.59	1249.08	542.12	74.88	962.03	194.0397	206.3230	19.5630	1.1126	3.3151	81.7408	0.6288
10:06:06	311.36	4.52	480.10	829.06	399.27	75.85	946.27	233.3892	248.1634	20.9200	1.1549	3.4224	82.5594	0.6346
10:06:07	272.89	4.52	480.10	452.99	260.07	75.85	941.19	248.6830	264.3706	22.1639	1.2000	3.5365	83.4237	0.6407
10:06:08	272.89	4.47	480.10	334.55	202.69	74.88	942.71	162.9742	173.2551	21.0330	1.2295	3.6114	84.2439	0.6466
10:06:09	272.89	4.46	480.10	242.98	146.52	74.88	940.68	108.1716	114.9716	20.6938	1.2491	3.6610	85.0481	0.6523
10:06:10	272.89	4.42	480.59	207.57	123.32	75.61	939.66	59.1041	62.8151	20.4676	1.2585	3.6882	85.8434	0.6580
10:06:11	272.77	4.39	481.07	185.59	107.45	75.85	939.66	43.6510	46.3654	20.4676	1.2654	3.7082	86.6313	0.6637
10:06:12	272.89	4.33	480.10	161.17	96.46	75.13	937.63	31.7027	33.6654	20.4676	1.2705	3.7227	87.4156	0.6694
10:06:13	272.89	4.30	480.10	151.40	91.58	75.13	935.59	27.0827	28.7475	20.4676	1.2748	3.7351	88.1945	0.6751
10:06:14	272.89	4.25	480.59	145.30	89.13	75.85	935.59	24.2151	25.6903	20.5807	1.2786	3.7463	88.9708	0.6808
10:06:15	272.89	4.22	480.59	142.86	87.91	75.85	937.63	21.0289	22.2950	20.4676	1.2819	3.7559	89.7339	0.6865
10:06:16	272.89	4.22	480.59	142.86	87.91	75.85	937.63	19.7544	20.9341	20.4676	1.2851	3.7649	90.4908	0.6921
10:06:17	272.89	4.16	480.10	139.19	87.91	75.85	940.17	18.9579	20.0775	20.3545	1.2881	3.7736	91.2353	0.6978
10:06:18	267.89	4.13	480.10	136.75	86.69	75.85	942.20	18.6393	19.7329	20.4676	1.2910	3.7821	91.9791	0.7035
10:06:19	267.89	4.04	480.10	140.42	85.47	75.85	948.31	18.6393	19.7329	20.4676	1.2940	3.7907	92.7229	0.7092
10:06:20	267.77	4.00	480.10	137.97	84.25	75.13	950.34	18.1614	19.2100	20.5807	1.2968	3.7990	93.4591	0.7149
10:06:21	267.89	3.97	480.10	135.53	84.25	74.88	949.32	17.8427	18.8660	20.5807	1.2996	3.8071	94.1905	0.7206

10:06:22	267.89	3.93	480.10	134.31	84.25	74.88	896.95	18.3207	19.3483	20.6938	1.3024	3.8155	94.9098	0.7264
10:06:23	267.89	3.93	480.10	133.09	84.25	74.88	679.32	18.0020	19.0009	20.6938	1.3052	3.8237	95.6216	0.7321
10:06:24	267.89	3.93	480.10	133.09	84.25	74.88	679.32	17.6834	18.6569	20.6938	1.3080	3.8317	96.3278	0.7379
10:06:25	267.77	3.92	480.59	123.32	78.14	75.13	713.39	17.5241	18.4802	19.6761	1.3107	3.8397	96.9932	0.7433
10:06:26	267.77	3.92	480.59	114.77	75.70	74.88	702.20	17.3648	18.3122	14.7005	1.3134	3.8476	97.4905	0.7474
10:06:27	314.90	3.98	480.10	103.79	70.82	75.13	685.42	17.3648	18.3122	14.7005	1.3160	3.8555	97.9877	0.7515
10:06:28	314.90	4.02	480.59	102.56	69.60	75.85	682.88	16.0903	16.9655	8.9334	1.3185	3.8628	98.2889	0.7540
10:06:29	314.90	4.02	480.59	102.56	69.60	75.85	682.88	14.9752	15.7897	6.4456	1.3208	3.8697	98.5063	0.7558
10:06:30	314.90	4.12	480.10	100.12	68.38	75.13	681.86	13.5413	14.2903	1.3570	1.3233	3.8758	98.5527	0.7561
10:06:31	314.90	4.17	480.10	100.12	67.16	74.88	684.41	13.3820	14.1302	0.2262	1.3257	3.8819	98.5605	0.7562
10:06:32	314.90	4.24	480.10	98.90	65.93	75.85	681.36	13.3820	14.1302	0.2262	1.3282	3.8881	98.5684	0.7563
10:06:33	314.77	4.27	480.59	98.90	65.93	74.88	756.61	13.0634	13.8124	0.1131	1.3306	3.8940	98.5724	0.7563
10:06:34	314.77	4.29	480.10	100.12	68.38	75.37	968.14	13.0634	13.8202	0.0000	1.3329	3.9000	98.5724	0.7563
10:06:35	314.90	4.35	480.59	125.76	78.14	74.88	1104.41	12.9041	13.6644	0.1131	1.3353	3.9059	98.5765	0.7563
10:06:36	314.90	4.37	480.10	150.18	86.69	75.13	1248.31	12.9041	13.6708	0.9046	1.3377	3.9118	98.6097	0.7566
10:06:37	315.02	4.42	480.59	179.49	98.90	76.10	1407.97	13.0634	13.8431	3.8447	1.3400	3.9178	98.7517	0.7576
10:06:38	302.20	4.43	485.96	279.61	135.53	75.13	1686.10	16.4089	17.4027	5.4279	1.3430	3.9253	98.9549	0.7591
10:06:39	302.20	4.46	486.45	462.76	179.49	75.13	1930.17	19.5951	20.7862	6.8979	1.3466	3.9343	99.2142	0.7611
10:06:40	302.20	4.47	486.45	1078.14	391.94	75.61	1838.65	23.4186	24.8588	8.5941	1.3509	3.9450	99.5409	0.7635
10:06:41	302.20	4.49	486.45	1362.64	545.79	75.13	1770.00	36.4820	38.7306	11.3081	1.3573	3.9619	99.9720	0.7666
10:06:42	302.20	4.49	486.45	1452.99	630.04	75.85	1792.88	60.3785	64.1200	12.8912	1.3679	3.9900	#######	0.7702
10:06:43	302.20	4.49	486.45	1545.79	680.10	75.37	1578.31	140.6708	149.4186	17.1883	1.3926	4.0554	#######	0.7749
10:06:44	302.20	4.47	485.96	1294.26	611.72	75.37	981.86	177.7901	188.8852	18.3191	1.4239	4.1380	#######	0.7800
10:06:45	302.32	4.46	486.45	882.78	471.31	76.10	914.75	189.5790	201.4098	19.4499	1.4572	4.2261	#######	0.7854
10:06:46	302.20	4.46	486.45	483.52	295.48	75.37	934.07	201.6866	214.2729	20.5807	1.4927	4.3198	#######	0.7912
10:06:47	302.20	4.46	486.45	347.99	224.66	75.37	940.68	168.8687	179.3792	20.4676	1.5224	4.3982	#######	0.7968
10:06:48	265.32	4.43	494.75	242.98	156.29	76.10	951.86	115.1812	122.3312	19.9022	1.5426	4.4518	#######	0.8024
10:06:49	265.32	4.43	494.75	208.79	126.98	76.10	950.34	63.0868	67.0030	20.4676	1.5537	4.4811	#######	0.8081
10:06:50	265.32	4.41	494.26	184.37	108.67	75.13	946.27	45.4034	48.2218	20.4676	1.5617	4.5022	#######	0.8137
10:06:51	265.32	4.37	494.75	157.51	96.46	75.13	950.34	31.7027	33.6545	20.8069	1.5666	4.5171	#######	0.8195
10:06:52	265.20	4.34	494.26	146.52	90.35	75.85	951.36	27.2420	28.9192	20.6938	1.5708	4.5300	#######	0.8253
10:06:53	265.32	4.32	494.26	140.42	87.91	75.13	949.32	24.0558	25.5302	20.5807	1.5745	4.5414	#######	0.8310
10:06:54	265.32	4.28	494.26	135.53	86.69	75.13	950.85	20.5510	21.7970	20.8069	1.5776	4.5510	#######	0.8368
10:06:55	265.32	4.24	494.26	131.87	86.69	75.13	950.85	19.1172	20.2690	20.9200	1.5806	4.5601	#######	0.8426
10:06:56	265.20	4.17	494.75	128.21	85.47	75.85	950.85	18.3207	19.4194	20.6938	1.5834	4.5687	#######	0.8483
10:06:57	277.78	4.14	494.26	135.53	86.69	75.13	948.31	17.6834	18.7333	20.5807	1.5861	4.5770	#######	0.8540
10:06:58	277.78	4.10	494.75	151.40	87.91	75.37	943.22	17.2055	18.2185	20.6938	1.5888	4.5851	#######	0.8598
10:06:59	277.78	4.06	494.26	155.07	89.13	75.13	940.68	16.7276	17.6968	20.6938	1.5913	4.5930	#######	0.8655
10:07:00	277.78	4.03	494.26	148.96	87.91	75.13	938.14	17.6834	18.6998	20.6938	1.5942	4.6013	#######	0.8713
10:07:01	277.78	3.98	494.26	144.08	87.91	75.37	936.61	19.7544	20.8780	20.5807	1.5974	4.6106	#######	0.8770
10:07:02	277.78	3.97	494.26	140.42	86.69	75.13	887.80	20.2324	21.3720	20.4676	1.6006	4.6201	#######	0.8827
10:07:03	277.78	3.95	494.75	136.75	83.03	75.61	673.73	19.4358	20.5221	20.4676	1.6037	4.6292	#######	0.8884
10:07:04	277.78	3.95	494.75	136.75	83.03	75.61	673.73	18.7986	19.8379	20.3545	1.6067	4.6380	#######	0.8940
10:07:05	277.78	3.95	494.26	117.22	75.70	75.13	709.83	18.3207	19.3306	19.2237	1.6097	4.6466	#######	0.8994
10:07:06	277.78	3.97	494.75	109.89	74.48	75.85	694.07	17.8427	18.8214	14.1351	1.6125	4.6550	#######	0.9033
10:07:07	319.29	4.03	494.75	102.56	67.16	76.10	681.36	17.8427	18.8214	14.1351	1.6154	4.6634	#######	0.9072
10:07:08	319.29	4.08	494.26	102.56	65.93	75.61	680.34	15.2938	16.1326	8.5941	1.6179	4.6705	#######	0.9096
10:07:09	319.41	4.12	494.26	101.34	67.16	75.37	677.80	14.3379	15.1283	5.7671	1.6202	4.6773	#######	0.9112
10:07:10	319.41	4.15	494.75	102.56	67.16	75.85	677.80	13.3820	14.1325	1.0177	1.6226	4.6836	#######	0.9115
10:07:11	319.41	4.21	494.75	100.12	64.71	75.37	677.80	13.3820	14.1406	0.4523	1.6251	4.6898	#######	0.9116
10:07:12	319.41	4.24	494.26	97.68	63.49	75.13	677.80	13.2227	13.9795	0.1131	1.6275	4.6961	#######	0.9117
10:07:13	319.29	4.26	494.75	96.46	62.27	75.13	868.47	13.3820	14.1552	0.1131	1.6300	4.7024	#######	0.9117
10:07:14	319.41	4.32	494.26	101.34	68.38	75.37	1145.59	13.0634	13.8289	0.1131	1.6324	4.7085	#######	0.9117
10:07:15	319.41	4.34	494.26	117.22	75.70	74.88	1249.83	12.7448	13.4965	0.1131	1.6348	4.7145	#######	0.9117
10:07:16	319.29	4.37	494.26	145.30	83.03	75.85	1363.73	12.5855	13.3306	2.2616	1.6371	4.7204	#######	0.9124
10:07:17	302.69	4.41	494.75	230.77	95.24	75.13	1557.46	13.2227	14.0171	5.2017	1.6396	4.7267	#######	0.9138
10:07:18	302.81	4.43	501.10	372.41	122.10	75.85	1728.31	15.2938	16.2168	6.7849	1.6424	4.7339	#######	0.9157
10:07:19	302.81	4.46	500.61	819.29	222.22	75.85	1795.42	18.9579	20.1114	8.1418	1.6459	4.7428	#######	0.9180
10:07:20	302.69	4.48	500.61	1113.55	327.23	74.88	1731.87	30.1096	31.9572	10.4034	1.6512	4.7570	#######	0.9209
10:07:21	302.69	4.51	501.59	1239.32	404.15	75.37	1673.90	48.5896	51.5845	12.0997	1.6598	4.7803	#######	0.9242
10:07:22	302.69	4.51	501.10	1278.39	450.55	75.37	1849.83	106.8971	113.5212	14.7005	1.6786	4.8314	#######	0.9283
10:07:23	302.69	4.52	501.10	1496.95	572.65	75.85	1894.58	145.2908	154.3499	16.6229	1.7042	4.9009	#######	0.9329
10:07:24	302.81	4.51	501.10	1515.26	650.79	75.37	1002.20	161.6998	171.8353	17.5275	1.7327	4.9784	#######	0.9378
10:07:25	302.81	4.53	501.10	859.58	449.33	76.10	902.54	166.7977	177.2528	19.9022	1.7620	5.0583	#######	0.9433
10:07:26	302.69	4.50	501.10	568.99	337.00	75.13	925.93	195.3142	207.5996	21.3723	1.7964	5.1518	#######	0.9493
10:07:27	273.38	4.50	501.10	332.11	228.33	75.85	934.58	197.7038	210.1070	20.3545	1.8313	5.2465	#######	0.9549
10:07:28	273.38	4.50	501.10	332.11	228.33	75.85	934.58	112.1543	119.2151	19.7892	1.8510	5.3003	#######	0.9604
10:07:29	273.38	4.48	508.42	252.75	185.59	75.85	933.56	74.2385	78.8878	20.2415	1.8641	5.3358	#######	0.9660
10:07:30	273.38	4.46	508.91	190.48	145.30	75.61	921.86	43.3324	46.0436	20.4676	1.8710	5.3566	#######	0.9717
10:07:31	273.38	4.40	508.42	156.29	112.33	75.13	930.00	43.3324	46.0436	20.4676	1.8779	5.3773	#######	0.9774
10:07:32	273.38	4.35	508.42	150.18	102.56	75.61	934.07	32.9772	35.0297	20.3545	1.8831	5.3933	#######	0.9830
10:07:33	273.38	4.35	508.42	150.18	102.56	75.61	934.07	24.8524	26.3923	20.1284	1.8871	5.4054	#######	0.9886

10:07:34	273.38	4.32	508.91	144.08	97.68	75.61	937.63	20.3917	21.6385	20.2415	1.8903	5.4153	#######	0.9943
10:07:35	273.26	4.26	508.42	140.42	95.24	75.85	936.10	19.5951	20.7792	20.3545	1.8934	5.4248	#######	0.9999
10:07:36	273.38	4.23	508.42	137.97	92.80	75.37	926.95	19.5951	20.7792	20.3545	1.8965	5.4343	#######	1.0056
10:07:37	273.38	4.23	508.42	137.97	92.80	75.13	926.95	18.7986	19.9273	20.4676	1.8995	5.4434	#######	1.0113
10:07:38	275.82	4.10	508.42	131.87	89.13	75.13	938.14	18.3207	19.4046	20.4676	1.9024	5.4523	#######	1.0169
10:07:39	275.95	4.08	504.52	134.31	89.13	76.10	942.20	18.0020	19.0593	20.3545	1.9053	5.4610	#######	1.0226
10:07:40	275.95	4.08	504.52	134.31	89.13	76.10	942.20	18.0020	19.0593	20.3545	1.9081	5.4697	#######	1.0283
10:07:41	275.82	4.03	504.52	136.75	90.35	75.37	947.80	17.2055	18.1859	20.4676	1.9109	5.4780	#######	1.0339
10:07:42	275.82	4.01	504.03	134.31	91.58	75.37	946.27	17.5241	18.5169	20.5807	1.9137	5.4864	#######	1.0397
10:07:43	275.82	3.99	504.52	135.53	91.58	75.37	901.53	17.5241	18.5169	20.5807	1.9165	5.4948	#######	1.0454
10:07:44	275.95	3.98	504.52	120.88	83.03	75.61	721.02	17.8427	18.8418	20.6938	1.9193	5.5034	#######	1.0511
10:07:45	275.95	3.98	504.52	120.88	83.03	75.61	721.02	17.5241	18.5006	20.5807	1.9221	5.5118	#######	1.0568
10:07:46	275.82	4.04	504.52	102.56	70.82	75.85	692.54	17.6834	18.6639	19.7892	1.9249	5.5202	#######	1.0623
10:07:47	275.82	4.06	504.52	102.56	69.60	75.85	686.44	15.7717	16.6436	11.8735	1.9274	5.5278	#######	1.0656
10:07:48	332.23	4.11	501.10	103.79	74.48	75.85	681.36	15.7717	16.6436	11.8735	1.9300	5.5353	#######	1.0689
10:07:49	332.36	4.15	501.10	117.22	83.03	75.61	682.37	13.3820	14.1321	2.8270	1.9321	5.5418	#######	1.0697
10:07:50	332.36	4.18	500.61	112.33	84.25	75.13	680.85	13.3820	14.1358	1.4701	1.9342	5.5482	#######	1.0701
10:07:51	332.36	4.24	501.10	107.45	76.92	76.10	680.85	13.5413	14.3159	0.6785	1.9368	5.5546	#######	1.0703
10:07:52	332.36	4.24	501.10	107.45	76.92	76.10	680.85	15.2938	16.1761	0.1131	1.9398	5.5619	#######	1.0703
10:07:53	332.36	4.31	500.61	107.45	78.14	76.10	882.71	14.6565	15.5085	0.1131	1.9426	5.5689	#######	1.0704
10:07:54	332.36	4.36	501.10	117.22	83.03	75.37	1020.00	14.0193	14.8465	0.1131	1.9453	5.5756	#######	1.0704
10:07:55	332.23	4.39	501.10	130.65	87.91	76.10	1100.85	14.0193	14.8465	0.1131	1.9480	5.5823	#######	1.0704
10:07:56	332.36	4.42	501.10	164.84	114.77	76.10	1348.48	14.0193	14.8611	3.1663	1.9507	5.5890	#######	1.0713
10:07:57	321.86	4.44	501.10	205.13	141.64	75.37	1501.53	15.2938	16.2222	4.4102	1.9537	5.5963	#######	1.0725
10:07:58	321.86	4.46	498.66	269.84	141.64	75.37	1501.53	17.0462	18.0876	5.3148	1.9570	5.6044	#######	1.0740
10:07:59	321.86	4.49	498.66	269.84	159.95	75.85	1691.70	21.5069	22.8314	7.8026	1.9611	5.6147	#######	1.0762
10:08:00	321.86	4.49	498.66	597.07	227.11	75.13	1838.65	26.7641	28.4192	9.4988	1.9661	5.6275	#######	1.0788
10:08:01	321.98	4.51	499.15	1267.40	435.90	76.34	1777.12	35.2075	37.3925	9.4988	1.9727	5.6443	#######	1.0815
10:08:02	321.98	4.50	498.66	1463.98	514.04	75.37	1842.20	35.2075	37.4080	11.5342	1.9793	5.6611	#######	1.0847
10:08:03	321.98	4.50	499.15	1625.15	608.06	75.37	1877.80	77.9026	82.7715	14.0220	1.9939	5.6982	#######	1.0886
10:08:04	321.98	4.50	499.15	1625.15	608.06	75.61	1746.61	165.3639	175.7535	16.5098	2.0249	5.7771	#######	1.0931
10:08:05	321.98	4.50	498.66	1289.38	548.23	76.10	987.97	191.0128	202.9824	18.8845	2.0606	5.8681	#######	1.0984
10:08:06	321.98	4.50	498.66	592.19	421.25	76.10	958.47	212.0417	225.3291	20.4676	2.1004	5.9693	#######	1.1041
10:08:07	294.87	4.49	499.15	592.19	324.79	75.85	942.71	212.0417	225.3291	20.9200	2.1401	6.0704	#######	1.1099
10:08:08	294.87	4.49	499.15	296.70	179.49	75.85	940.17	168.2315	178.7735	21.3723	2.1716	6.1506	#######	1.1158
10:08:09	294.87	4.49	499.15	296.70	179.49	75.37	930.51	77.2654	82.1072	20.9200	2.1861	6.1874	#######	1.1216
10:08:10	294.87	4.46	498.66	240.54	130.65	76.10	919.83	77.2654	82.0903	20.5807	2.1993	6.2243	#######	1.1274
10:08:11	294.75	4.41	498.66	175.82	97.68	76.10	922.37	38.7124	41.1298	20.5807	2.2060	6.2427	#######	1.1331
10:08:12	294.75	4.41	498.66	175.82	97.68	76.10	922.37	38.7124	41.1298	20.3545	2.2126	6.2612	#######	1.1387
10:08:13	294.87	4.33	498.17	144.08	85.47	75.61	929.49	31.3841	33.3284	20.0153	2.2180	6.2761	#######	1.1443
10:08:14	294.75	4.29	498.66	140.42	85.47	76.10	935.59	22.9406	24.3467	20.1284	2.2219	6.2870	#######	1.1499
10:08:15	294.75	4.24	498.66	141.64	85.47	76.10	935.59	22.9406	24.3467	20.1284	2.2258	6.2980	#######	1.1555
10:08:16	294.75	4.20	499.15	137.97	86.69	76.10	945.76	18.7986	19.9312	20.3545	2.2291	6.3069	#######	1.1611
10:08:17	294.75	4.20	499.15	137.97	86.69	76.10	945.76	18.3207	19.4124	20.4676	2.2322	6.3156	#######	1.1668
10:08:18	301.71	4.16	498.66	130.65	86.69	76.10	947.29	18.4800	19.5701	20.4676	2.2354	6.3244	#######	1.1725
10:08:19	301.71	4.09	501.10	140.42	92.80	76.10	933.05	18.0020	19.0531	20.5807	2.2384	6.3329	#######	1.1782
10:08:20	301.71	4.05	501.10	147.74	95.24	76.10	933.05	18.0020	19.0531	20.5807	2.2415	6.3415	#######	1.1839
10:08:21	301.71	4.01	500.61	147.74	91.58	76.10	936.10	17.0462	18.0323	20.5807	2.2445	6.3496	#######	1.1896
10:08:22	301.71	4.01	501.10	152.63	94.02	76.34	761.19	18.3207	19.3625	20.3545	2.2477	6.3583	#######	1.1953
10:08:23	301.71	3.97	500.61	152.63	94.02	76.34	761.19	19.2765	20.3611	20.3545	2.2510	6.3675	#######	1.2009
10:08:24	301.71	3.99	501.10	133.09	86.69	75.85	709.83	19.2765	20.3508	20.3545	2.2544	6.3766	#######	1.2066
10:08:25	301.71	3.99	501.10	133.09	86.69	75.85	709.83	19.9138	21.0233	16.3967	2.2579	6.3861	#######	1.2112
10:08:26	301.71	3.99	501.10	118.44	81.81	75.85	693.05	19.9138	21.0124	16.3967	2.2614	6.3956	#######	1.2157
10:08:27	333.33	4.05	501.10	102.56	69.60	76.34	681.86	17.3648	18.3285	8.1418	2.2644	6.4038	#######	1.2180
10:08:28	333.33	4.05	501.10	102.56	69.60	76.34	681.86	17.3648	18.3285	8.1418	2.2674	6.4121	#######	1.2202
10:08:29	333.21	4.13	502.56	100.12	64.71	76.10	683.39	15.4531	16.3107	5.2017	2.2701	6.4194	#######	1.2217
10:08:30	333.33	4.17	502.56	100.12	64.71	76.10	683.39	13.3820	14.1351	1.1308	2.2727	6.4258	#######	1.2220
10:08:31	333.33	4.17	502.56	100.12	65.93	75.61	677.29	13.3820	14.1351	1.1308	2.2753	6.4322	#######	1.2223
10:08:32	333.33	4.26	502.56	95.24	64.71	75.37	677.29	13.0634	13.8135	0.0000	2.2778	6.4384	#######	1.2223
10:08:33	333.33	4.26	502.56	95.24	62.27	76.10	678.31	13.0634	13.8214	0.0000	2.2803	6.4447	#######	1.2223
10:08:34	333.33	4.33	502.56	98.90	64.71	76.10	889.32	13.0634	13.8214	0.1131	2.2828	6.4509	#######	1.2223
10:08:35	333.33	4.35	502.56	102.56	67.16	76.10	889.32	12.4262	13.1622	0.1131	2.2852	6.4569	#######	1.2224
10:08:36	333.33	4.35	502.56	102.56	67.16	76.10	1116.10	12.4262	13.1622	0.1131	2.2876	6.4628	#######	1.2224
10:08:37	333.33	4.37	502.56	144.08	76.92	76.10	1415.59	12.9041	13.6819	3.7317	2.2901	6.4690	#######	1.2234
10:08:38	313.43	4.39	490.35	144.08	76.92	76.10	1415.59	13.3820	14.1930	5.3148	2.2927	6.4754	#######	1.2249
10:08:39	313.43	4.39	490.35	241.76	102.56	76.10	1680.00	13.3820	14.1930	5.3148	2.2953	6.4818	#######	1.2264
10:08:40	313.43	4.41	490.35	440.78	147.74	75.85	1906.27	18.7986	19.9419	8.5941	2.2989	6.4908	#######	1.2288
10:08:41	313.43	4.39	489.87	1452.99	499.39	75.37	1802.54	18.7986	19.9463	8.5941	2.3024	6.4996	#######	1.2312
10:08:42	313.43	4.39	490.35	1623.93	632.48	76.10	1850.85	31.5434	33.4693	11.3081	2.3081	6.5144	#######	1.2343
10:08:43	313.43	4.39	489.87	1630.04	632.48	76.10	1850.85	57.5110	61.0381	12.7781	2.3186	6.5413	#######	1.2379
10:08:44	313.43	4.39	489.87	1630.04	656.90	74.88	1666.27	189.5790	201.1537	18.5453	2.3531	6.6299	#######	1.2430
10:08:45	313.43	4.37	490.35	953.60	442.00	75.37	940.17	211.8824	224.8188	20.4676	2.3917	6.7291	#######	1.2487

10:08:46	313.43	4.34	489.87	526.25	305.25	75.37	940.17	212.6789	225.6640	20.4676	2.4304	6.8285	#######	1.2544
10:08:47	313.43	4.34	489.87	388.28	305.25	75.85	952.37	212.6789	225.6640	20.8069	2.4691	6.9279	#######	1.2602
10:08:48	313.43	4.34	489.87	388.28	257.63	75.37	952.37	124.4212	131.9836	20.3545	2.4918	6.9861	#######	1.2658
10:08:49	269.96	4.30	478.63	302.81	214.90	75.85	939.66	68.6627	72.8096	20.3545	2.5043	7.0182	#######	1.2715
10:08:50	269.84	4.28	478.63	264.96	190.48	75.37	941.19	50.6606	53.7203	20.8069	2.5135	7.0419	#######	1.2772
10:08:51	269.96	4.22	478.63	189.26	120.88	75.37	939.66	50.6606	53.7203	20.8069	2.5227	7.0655	#######	1.2830
10:08:52	269.96	4.22	478.63	189.26	120.88	75.37	939.66	39.5089	41.8701	20.4676	2.5289	7.0835	#######	1.2887
10:08:53	269.84	4.14	478.63	150.18	96.46	76.10	940.68	34.5703	36.6249	20.4676	2.5343	7.0993	#######	1.2944
10:08:54	269.84	4.10	478.14	141.64	92.80	75.85	939.15	24.6931	26.1390	20.4676	2.5382	7.1106	#######	1.3001
10:08:55	269.84	4.06	478.14	141.64	92.80	75.85	939.15	24.6931	26.1390	20.4676	2.5420	7.1218	#######	1.3058
10:08:56	269.84	4.06	478.63	136.75	89.13	75.13	940.17	19.5951	20.7211	20.4676	2.5451	7.1307	#######	1.3115
10:08:57	269.96	4.01	478.63	130.65	86.69	75.13	940.17	18.4800	19.5327	20.4676	2.5480	7.1391	#######	1.3171
10:08:58	269.84	3.97	478.63	125.76	86.69	75.61	939.15	18.4800	19.5206	20.4676	2.5509	7.1475	#######	1.3228
10:08:59	269.84	3.89	480.59	117.22	83.03	75.13	939.15	17.8427	18.8475	20.4676	2.5537	7.1556	#######	1.3285
10:09:00	269.84	3.89	480.59	117.22	83.03	75.13	939.15	17.0462	17.9958	20.5807	2.5563	7.1634	#######	1.3342
10:09:01	269.96	3.84	480.10	117.22	80.59	76.10	939.15	16.4089	17.3123	20.5807	2.5589	7.1708	#######	1.3399
10:09:02	269.84	3.81	480.59	117.22	79.37	76.10	939.15	15.2938	16.1190	20.4676	2.5613	7.1778	#######	1.3456
10:09:03	269.84	3.81	480.59	117.22	79.37	75.85	765.76	15.2938	16.1190	20.4676	2.5636	7.1848	#######	1.3513
10:09:04	269.84	3.81	480.10	105.01	74.48	75.85	722.54	15.2938	16.1082	20.4676	2.5660	7.1917	#######	1.3570
10:09:05	269.84	3.81	480.10	105.01	69.60	75.13	705.76	15.2938	16.1023	20.4676	2.5684	7.1987	#######	1.3627
10:09:06	269.84	3.85	480.10	100.12	63.49	75.37	690.00	15.2938	16.1023	16.5098	2.5708	7.2056	#######	1.3673
10:09:07	314.90	3.88	480.59	100.12	63.49	75.37	690.00	13.7007	14.4250	10.6296	2.5729	7.2119	#######	1.3702
10:09:08	314.90	3.88	480.59	97.68	62.27	75.13	684.41	13.7007	14.4250	7.9157	2.5750	7.2181	#######	1.3724
10:09:09	314.77	3.95	484.49	95.24	61.05	75.85	682.37	13.0634	13.7605	2.1485	2.5771	7.2240	#######	1.3730
10:09:10	314.77	4.00	484.49	94.02	59.83	75.85	682.37	13.0634	13.7673	2.1485	2.5794	7.2300	#######	1.3736
10:09:11	314.77	4.00	484.49	94.02	59.83	74.88	680.34	12.7448	13.4316	1.0177	2.5818	7.2358	#######	1.3739
10:09:12	314.90	4.05	484.49	94.02	59.83	75.37	680.34	12.4262	13.1087	0.1131	2.5840	7.2415	#######	1.3739
10:09:13	314.90	4.15	484.49	95.24	58.61	75.13	682.88	12.2669	12.9487	0.1131	2.5863	7.2472	#######	1.3740
10:09:14	314.90	4.17	484.98	97.68	64.71	74.88	969.66	12.2669	12.9487	0.1131	2.5885	7.2528	#######	1.3740
10:09:15	314.90	4.20	484.49	102.56	67.16	74.88	969.66	12.2669	12.9574	0.1131	2.5907	7.2584	#######	1.3740
10:09:16	314.90	4.24	484.98	102.56	67.16	74.88	1114.07	12.4262	13.1440	0.1131	2.5930	7.2642	#######	1.3741
10:09:17	311.48	4.28	484.49	176.82	87.91	75.13	1535.09	12.7448	13.4845	4.2971	2.5953	7.2700	#######	1.3753
10:09:18	311.48	4.30	483.03	175.82	87.91	75.13	1535.09	13.3820	14.1639	4.2971	2.5977	7.2762	#######	1.3764
10:09:19	311.48	4.32	483.03	262.52	126.98	75.85	1743.05	13.3820	14.1720	5.5410	2.6002	7.2824	#######	1.3780
10:09:20	311.48	4.33	482.54	1125.76	240.54	75.85	1862.54	22.9406	24.3047	9.7250	2.6043	7.2930	#######	1.3807
10:09:21	311.48	4.33	482.54	1125.76	405.37	75.37	1763.90	22.9406	24.3135	9.7250	2.6085	7.3036	#######	1.3834
10:09:22	311.48	4.36	482.54	1636.14	626.37	75.37	1905.76	34.2517	36.3089	11.7604	2.6147	7.3193	#######	1.3867
10:09:23	311.36	4.36	482.54	1691.09	663.00	75.37	1905.76	146.8839	155.7385	15.7182	2.6412	7.3869	#######	1.3910
10:09:24	311.36	4.36	482.54	1691.09	663.00	75.37	1391.19	146.8839	155.7385	16.9621	2.6678	7.4545	#######	1.3957
10:09:25	311.48	4.34	482.54	709.40	377.29	74.88	928.98	213.4755	226.4264	20.8069	2.7064	7.5528	#######	1.4015
10:09:26	311.48	4.34	482.54	477.41	297.92	74.88	928.98	220.6445	234.0302	20.8069	2.7463	7.6543	#######	1.4073
10:09:27	311.48	4.34	482.54	477.41	297.92	74.88	943.73	220.6445	234.0302	21.5984	2.7862	7.7559	#######	1.4133
10:09:28	270.33	4.32	480.59	263.74	212.45	75.13	945.76	92.5592	98.1440	20.3545	2.8029	7.7985	#######	1.4189
10:09:29	270.33	4.32	480.59	263.74	174.60	75.13	937.63	62.2903	66.0487	20.5807	2.8142	7.8271	#######	1.4247
10:09:30	270.45	4.28	480.59	225.89	144.08	74.88	937.63	62.2903	66.0487	20.5807	2.8255	7.8558	#######	1.4304
10:09:31	270.45	4.25	480.59	173.38	106.23	75.85	940.17	34.4110	36.4770	20.5807	2.8309	7.8716	#######	1.4361
10:09:32	270.45	4.25	480.59	173.38	106.23	75.85	940.17	34.4110	36.4770	20.4676	2.8363	7.8873	#######	1.4418
10:09:33	270.45	4.17	480.59	150.18	92.80	75.85	940.17	29.4724	31.2224	20.4676	2.8409	7.9008	#######	1.4475
10:09:34	270.45	4.12	480.10	144.08	86.69	74.88	941.19	22.6220	23.9566	20.4676	2.8444	7.9112	#######	1.4532
10:09:35	270.45	4.12	480.10	144.08	86.69	74.88	941.19	22.6220	23.9566	20.4676	2.8480	7.9215	#######	1.4588
10:09:36	270.45	4.03	480.10	140.42	83.03	75.61	942.71	19.5951	20.7297	20.5807	2.8510	7.9305	#######	1.4646
10:09:37	270.45	4.03	480.10	140.42	83.03	75.61	942.71	18.7986	19.8737	20.5807	2.8540	7.9391	#######	1.4703
10:09:38	280.83	3.98	480.59	140.42	83.03	74.88	942.71	18.7986	19.8737	20.5807	2.8569	7.9476	#######	1.4760
10:09:39	280.83	3.90	489.87	145.30	89.13	75.85	942.71	18.3207	19.3463	20.5807	2.8598	7.9560	#######	1.4817
10:09:40	280.83	3.90	489.87	145.30	89.13	75.85	942.71	18.3207	19.3463	20.5807	2.8627	7.9644	#######	1.4874
10:09:41	280.71	3.87	490.35	146.52	86.69	74.88	944.75	18.3207	19.3317	20.5807	2.8656	7.9727	#######	1.4931
10:09:42	280.83	3.86	490.35	146.52	86.69	74.88	944.75	18.9579	19.9844	20.4676	2.8687	7.9815	#######	1.4988
10:09:43	280.83	3.86	490.35	140.42	83.03	74.88	679.32	18.9579	19.9844	20.4676	2.8718	7.9903	#######	1.5045
10:09:44	280.71	3.86	490.35	122.10	79.37	75.85	723.56	19.1172	20.1440	20.6938	2.8749	7.9992	#######	1.5103
10:09:45	280.71	3.86	490.84	113.55	75.70	75.85	706.78	19.1172	20.1408	20.6938	2.8780	8.0081	#######	1.5160
10:09:46	280.83	3.88	490.35	103.79	68.38	75.13	694.07	18.3207	19.3016	14.7005	2.8809	8.0166	#######	1.5201
10:09:47	280.83	3.91	489.87	102.56	68.38	75.13	694.07	15.9310	16.7840	10.8558	2.8835	8.0240	#######	1.5231
10:09:48	280.83	3.91	489.87	102.56	67.16	74.88	684.92	14.8158	15.6092	8.2549	2.8859	8.0309	#######	1.5254
10:09:49	318.93	3.99	500.61	101.34	67.16	75.37	677.80	13.5413	14.2701	2.7139	2.8881	8.0372	#######	1.5262
10:09:50	318.80	4.04	500.61	101.34	65.93	75.37	677.80	13.3820	14.1081	2.7139	2.8903	8.0434	#######	1.5269
10:09:51	318.80	4.04	500.61	101.34	65.93	75.13	679.32	13.3820	14.1081	1.4701	2.8924	8.0496	#######	1.5273
10:09:52	318.80	4.07	501.10	101.34	64.71	75.85	677.29	13.2227	13.9563	0.3392	2.8949	8.0559	#######	1.5274
10:09:53	318.93	4.14	501.10	101.34	64.71	75.85	951.36	13.2227	13.9657	0.3392	2.8973	8.0622	#######	1.5275
10:09:54	318.93	4.14	501.10	101.34	64.71	75.85	951.36	13.2227	13.9657	0.4523	2.8998	8.0685	#######	1.5276
10:09:55	318.80	4.22	501.10	105.01	67.16	75.13	1070.85	13.2227	13.9715	0.1131	2.9022	8.0748	#######	1.5277
10:09:56	318.80	4.25	500.61	178.27	73.26	75.37	1260.51	13.2227	13.9845	3.1663	2.9046	8.0811	#######	1.5285
10:09:57	318.80	4.26	501.10	235.65	100.12	74.88	1592.04	13.2227	13.9845	3.1663	2.9071	8.0874	#######	1.5294

10:09:58	288.89	4.30	492.31	506.72	100.12	74.88	1592.04	13.7007	14.5042	4.6363	2.9096	8.0939	#######	1.5307
10:09:59	288.89	4.30	492.31	888.89	252.75	75.13	1909.83	23.2593	24.6349	5.9933	2.9139	8.1050	#######	1.5324
10:10:00	288.89	4.30	492.31	888.89	252.75	75.37	1808.65	30.7469	32.5704	10.4034	2.9196	8.1197	#######	1.5353
10:10:01	288.89	4.33	492.31	1189.26	363.86	75.85	1755.76	66.1137	70.0673	10.4034	2.9307	8.1507	#######	1.5382
10:10:02	288.77	4.33	492.31	1412.70	523.81	75.37	1849.83	115.9778	122.9132	12.6651	2.9501	8.2051	#######	1.5417
10:10:03	288.89	4.33	492.31	1456.65	549.45	75.85	1104.92	115.9778	122.9132	15.7182	2.9696	8.2595	#######	1.5460
10:10:04	288.89	4.33	492.31	1456.65	549.45	75.85	1104.92	155.1680	164.5067	17.5275	2.9956	8.3324	#######	1.5509
10:10:05	288.77	4.32	492.31	722.83	346.76	74.88	945.76	184.3218	195.4149	19.3368	3.0265	8.4189	#######	1.5563
10:10:06	288.89	4.32	492.31	417.58	239.32	74.88	941.19	190.0569	201.4953	21.8246	3.0583	8.5081	#######	1.5623
10:10:07	288.77	4.32	492.31	417.58	239.32	74.88	941.19	190.0569	201.4953	21.8246	3.0902	8.5973	#######	1.5684
10:10:08	250.43	4.28	484.49	235.65	139.19	75.13	941.19	94.3116	99.9772	20.8069	3.1060	8.6416	#######	1.5742
10:10:09	250.43	4.28	484.49	235.65	139.19	75.13	941.19	54.4841	57.7571	20.5807	3.1152	8.6672	#######	1.5799
10:10:10	250.43	4.28	484.49	202.69	117.22	75.85	941.19	54.4841	57.7571	20.5807	3.1243	8.6927	#######	1.5856
10:10:11	250.43	4.21	484.49	161.17	96.46	75.85	939.15	30.7469	32.5731	20.5807	3.1288	8.7069	#######	1.5913
10:10:12	250.43	4.21	484.49	161.17	96.46	75.85	939.15	30.7469	32.5731	20.5807	3.1332	8.7211	#######	1.5970
10:10:13	250.43	4.12	484.98	155.07	94.02	75.37	936.61	26.4455	28.0162	20.4676	3.1371	8.7333	#######	1.6027
10:10:14	250.43	4.08	484.49	150.18	90.35	76.10	936.61	21.0289	22.2584	20.4676	3.1401	8.7430	#######	1.6084
10:10:15	250.43	4.08	484.49	150.18	90.35	76.10	936.61	21.0289	22.2584	20.4676	3.1432	8.7527	#######	1.6141
10:10:16	250.43	3.99	484.98	145.30	87.91	75.37	936.61	20.2324	21.3898	20.4676	3.1461	8.7620	#######	1.6198
10:10:17	250.43	3.99	484.98	137.97	85.47	75.37	936.61	19.5951	20.7032	20.4676	3.1489	8.7711	#######	1.6255
10:10:18	273.02	3.92	498.66	130.65	83.03	75.85	939.66	19.5951	20.7032	20.4676	3.1518	8.7801	#######	1.6312
10:10:19	273.02	3.92	498.66	130.65	83.03	75.85	939.66	18.9579	20.0071	20.3545	3.1545	8.7888	#######	1.6368
10:10:20	273.02	3.90	498.66	130.65	83.03	75.85	941.19	18.0020	18.9984	20.4676	3.1571	8.7971	#######	1.6425
10:10:21	272.89	3.86	498.66	128.21	83.03	75.85	907.12	17.0462	17.9736	20.4676	3.1598	8.8052	#######	1.6482
10:10:22	273.02	3.85	498.66	126.98	83.03	75.85	907.12	17.0462	17.9736	20.4676	3.1625	8.8132	#######	1.6539
10:10:23	273.02	3.85	498.66	126.98	81.81	75.85	705.76	17.0462	17.9689	20.4676	3.1652	8.8213	#######	1.6596
10:10:24	272.89	3.85	498.66	120.88	78.14	75.85	722.54	16.7276	17.6230	19.7892	3.1678	8.8292	#######	1.6651
10:10:25	273.02	3.86	498.66	106.23	73.26	75.13	700.17	16.5683	17.4524	19.7892	3.1704	8.8370	#######	1.6705
10:10:26	272.89	3.89	498.66	102.56	68.38	76.10	692.03	16.5683	17.4524	15.2659	3.1730	8.8448	#######	1.6748
10:10:27	317.34	3.92	498.66	102.56	67.16	76.10	686.44	15.7717	16.6134	11.7604	3.1755	8.8523	#######	1.6781
10:10:28	317.34	3.98	512.33	101.34	64.71	75.85	681.86	13.8600	14.6026	4.9756	3.1777	8.8588	#######	1.6794
10:10:29	317.46	4.02	511.84	101.34	62.27	75.13	678.81	13.3820	14.1050	4.9756	3.1798	8.8652	#######	1.6808
10:10:30	317.46	4.02	511.84	101.34	62.27	75.13	678.81	13.3820	14.1112	2.4878	3.1823	8.8715	#######	1.6815
10:10:31	317.46	4.07	511.84	100.12	61.05	74.88	678.81	13.2227	13.9534	1.4701	3.1847	8.8779	#######	1.6819
10:10:32	317.46	4.10	511.84	98.90	59.83	75.61	679.83	13.2227	13.9620	0.1131	3.1871	8.8843	#######	1.6820
10:10:33	317.34	4.24	512.33	97.68	59.83	75.37	980.85	13.2227	13.9620	0.1131	3.1895	8.8908	#######	1.6820
10:10:34	317.46	4.24	512.33	105.01	59.83	75.37	980.85	13.0634	13.8031	0.1131	3.1919	8.8971	#######	1.6820
10:10:35	317.34	4.28	512.33	105.01	65.93	75.61	1060.17	12.9041	13.6390	0.1131	3.1943	8.9034	#######	1.6820
10:10:36	317.34	4.28	512.33	118.44	70.82	74.88	1166.95	12.7448	13.4958	4.1840	3.1967	8.9096	#######	1.6832
10:10:37	305.37	4.33	512.33	201.47	101.34	75.61	1606.78	13.7007	14.5079	4.1840	3.1992	8.9163	#######	1.6844
10:10:38	305.37	4.36	490.35	328.45	141.64	75.61	1606.78	13.7007	14.5162	4.9756	3.2017	8.9230	#######	1.6858
10:10:39	305.37	4.36	490.35	328.45	141.64	75.85	1830.51	15.4531	16.3729	6.2194	3.2045	8.9305	#######	1.6875
10:10:40	305.37	4.38	489.87	1168.50	266.18	75.13	1818.81	26.2862	27.8705	10.5165	3.2092	8.9434	#######	1.6904
10:10:41	305.37	4.38	489.87	1168.50	387.06	75.61	1749.66	42.8544	45.4538	10.5165	3.2168	8.9634	#######	1.6933
10:10:42	305.37	4.37	490.35	1300.37	492.06	76.10	1761.36	42.8544	45.4538	12.0997	3.2244	8.9835	#######	1.6967
10:10:43	305.37	4.37	489.87	1431.01	594.63	75.61	1505.59	152.4598	161.7490	16.3967	3.2514	9.0547	#######	1.7012
10:10:44	305.37	4.37	489.87	1431.01	594.63	75.61	1505.59	152.4598	161.7490	17.4144	3.2785	9.1260	#######	1.7061
10:10:45	305.37	4.36	490.35	699.63	409.04	75.37	944.24	169.6652	179.9749	18.7714	3.3086	9.2054	#######	1.7113
10:10:46	305.37	4.33	490.35	493.28	317.46	75.13	939.15	186.7114	198.0569	21.0330	3.3417	9.2926	#######	1.7171
10:10:47	280.83	4.33	490.35	493.28	317.46	75.13	939.15	186.7114	198.0569	21.0330	3.3748	9.3799	#######	1.7230
10:10:48	280.83	4.31	466.42	266.18	172.16	75.61	933.56	91.2847	96.8166	20.4676	3.3910	9.4226	#######	1.7287
10:10:49	280.83	4.31	466.42	266.18	172.16	75.61	933.56	64.3613	68.2404	20.4676	3.4024	9.4527	#######	1.7343
10:10:50	280.83	4.27	466.42	227.11	141.64	76.10	937.12	64.3613	68.2373	20.4676	3.4129	9.4827	#######	1.7400
10:10:51	280.83	4.21	466.42	178.27	102.56	75.37	938.64	34.7296	36.8078	20.4676	3.4185	9.4982	#######	1.7457
10:10:52	280.83	4.16	466.42	163.61	94.02	75.37	938.64	34.7296	36.8078	20.4676	3.4242	9.5136	#######	1.7514
10:10:53	280.83	4.12	466.42	157.51	90.35	76.10	939.66	29.6317	31.3902	20.4676	3.4290	9.5268	#######	1.7571
10:10:54	280.83	4.07	465.93	145.30	86.69	75.13	939.66	23.2593	24.6192	20.4676	3.4328	9.5371	#######	1.7628
10:10:55	280.71	4.03	465.93	145.30	86.69	75.13	939.66	21.3476	22.5805	20.4676	3.4363	9.5466	#######	1.7685
10:10:56	280.71	4.00	465.93	137.97	85.47	76.10	941.70	20.5510	21.7267	20.4676	3.4396	9.5557	#######	1.7741
10:10:57	280.71	4.00	465.93	137.97	85.47	76.10	941.70	18.9579	20.0300	20.4676	3.4427	9.5641	#######	1.7798
10:10:58	277.29	3.93	466.91	134.31	83.03	76.10	943.73	18.9579	20.0186	20.4676	3.4458	9.5725	#######	1.7855
10:10:59	277.29	3.89	480.10	131.87	83.03	75.37	945.76	18.0020	19.0014	20.5807	3.4487	9.5804	#######	1.7912
10:11:00	277.29	3.86	480.59	131.87	83.03	75.37	945.76	18.0020	19.0014	20.5807	3.4516	9.5884	#######	1.7969
10:11:01	277.29	3.83	480.59	131.87	81.81	75.61	947.29	17.5241	18.4796	20.4676	3.4544	9.5962	#######	1.8026
10:11:02	277.29	3.83	480.59	131.87	81.81	76.10	662.54	17.2055	18.1342	20.5807	3.4572	9.6040	#######	1.8084
10:11:03	277.29	3.81	480.59	122.10	81.81	76.10	662.54	17.2055	18.1266	20.5807	3.4599	9.6118	#######	1.8141
10:11:04	277.29	3.81	480.10	113.55	76.92	75.37	706.27	17.2055	18.1201	20.6938	3.4627	9.6197	#######	1.8198
10:11:05	277.29	3.81	480.10	113.55	76.92	75.37	706.27	17.2055	18.1201	14.3613	3.4654	9.6275	#######	1.8238
10:11:06	277.29	3.83	480.59	108.67	75.70	75.13	690.51	15.9310	16.7726	14.3613	3.4680	9.6347	#######	1.8278
10:11:07	277.29	3.87	480.59	107.45	78.14	75.37	685.42	14.8158	15.5985	8.2549	3.4704	9.6415	#######	1.8301
10:11:08	313.43	3.90	496.21	107.45	78.14	75.37	685.42	14.8158	15.5985	8.2549	3.4727	9.6482	#######	1.8324
10:11:09	313.43	3.93	496.21	103.79	72.04	75.85	678.81	14.1786	14.9323	4.7494	3.4750	9.6547	#######	1.8337

10:06:22	267.89	3.93	480.10	134.31	84.25	74.88	896.95	18.3207	19.3483	20.6938	1.3024	3.8155	94.9098	0.7264
10:06:23	267.89	3.93	480.10	133.09	84.25	74.88	679.32	18.0020	19.0009	20.6938	1.3052	3.8237	95.6216	0.7321
10:06:24	267.89	3.93	480.10	133.09	84.25	74.88	679.32	17.6834	18.6569	20.6938	1.3080	3.8317	96.3278	0.7379
10:06:25	267.77	3.92	480.59	123.32	78.14	75.13	713.39	17.5241	18.4802	19.6761	1.3107	3.8397	96.9932	0.7433
10:06:26	267.77	3.92	480.59	114.77	75.70	74.88	702.20	17.3648	18.3122	14.7005	1.3134	3.8476	97.4905	0.7474
10:06:27	314.90	3.98	480.10	103.79	70.82	75.13	685.42	17.3648	18.3122	14.7005	1.3160	3.8555	97.9877	0.7515
10:06:28	314.90	4.02	480.59	102.56	69.60	75.85	682.88	16.0903	16.9655	8.9334	1.3185	3.8628	98.2889	0.7540
10:06:29	314.90	4.02	480.59	102.56	69.60	75.85	682.88	14.9752	15.7897	6.4456	1.3208	3.8697	98.5063	0.7558
10:06:30	314.90	4.12	480.10	100.12	68.38	75.13	681.86	13.5413	14.2903	1.3570	1.3233	3.8758	98.5527	0.7561
10:06:31	314.90	4.17	480.10	100.12	67.16	74.88	684.41	13.3820	14.1302	0.2262	1.3257	3.8819	98.5605	0.7562
10:06:32	314.90	4.24	480.10	98.90	65.93	75.85	681.36	13.3820	14.1302	0.2262	1.3282	3.8881	98.5684	0.7563
10:06:33	314.77	4.27	480.59	98.90	65.93	74.88	756.61	13.0634	13.8124	0.1131	1.3306	3.8940	98.5724	0.7563
10:06:34	314.77	4.29	480.10	100.12	68.38	75.37	968.14	13.0634	13.8202	0.0000	1.3329	3.9000	98.5724	0.7563
10:06:35	314.90	4.35	480.59	125.76	78.14	74.88	1104.41	12.9041	13.6644	0.1131	1.3353	3.9059	98.5765	0.7563
10:06:36	314.90	4.37	480.10	150.18	86.69	75.13	1248.31	12.9041	13.6708	0.9046	1.3377	3.9118	98.6097	0.7566
10:06:37	315.02	4.42	480.59	179.49	98.90	76.10	1407.97	13.0634	13.8431	3.8447	1.3400	3.9178	98.7517	0.7576
10:06:38	302.20	4.43	485.96	279.61	135.53	75.13	1686.10	16.4089	17.4027	5.4279	1.3430	3.9253	98.9549	0.7591
10:06:39	302.20	4.46	486.45	462.76	179.49	75.13	1930.17	19.5951	20.7862	6.8979	1.3466	3.9343	99.2142	0.7611
10:06:40	302.20	4.47	486.45	1078.14	391.94	75.61	1838.65	23.4186	24.8588	8.5941	1.3509	3.9450	99.5409	0.7635
10:06:41	302.20	4.49	486.45	1362.64	545.79	75.13	1770.00	36.4820	38.7306	11.3081	1.3573	3.9619	99.9720	0.7666
10:06:42	302.20	4.49	486.45	1452.99	630.04	75.85	1792.88	60.3785	64.1200	12.8912	1.3679	3.9900	100.4661	0.7702
10:06:43	302.20	4.49	486.45	1545.79	680.10	75.37	1578.31	140.6708	149.4186	17.1883	1.3926	4.0554	101.1271	0.7749
10:06:44	302.20	4.47	485.96	1294.26	611.72	75.37	981.86	177.7901	188.8852	18.3191	1.4239	4.1380	101.8341	0.7800
10:06:45	302.32	4.46	486.45	882.78	471.31	76.10	914.75	189.5790	201.4098	19.4499	1.4572	4.2261	102.5847	0.7854
10:06:46	302.20	4.46	486.45	483.52	295.48	75.37	934.07	201.6866	214.2729	20.5807	1.4927	4.3198	103.3789	0.7912
10:06:47	302.20	4.46	486.45	347.99	224.66	75.37	940.68	168.8687	179.3792	20.4676	1.5224	4.3982	104.1667	0.7968
10:06:48	265.32	4.43	494.75	242.98	156.29	76.10	951.86	115.1812	122.3312	19.9022	1.5426	4.4518	104.9308	0.8024
10:06:49	265.32	4.43	494.75	208.79	126.98	76.10	950.34	63.0868	67.0030	20.4676	1.5537	4.4811	105.7166	0.8081
10:06:50	265.32	4.41	494.26	184.37	108.67	75.13	946.27	45.4034	48.2218	20.4676	1.5617	4.5022	106.5023	0.8137
10:06:51	265.32	4.37	494.75	157.51	96.46	75.13	950.34	31.7027	33.6545	20.8069	1.5666	4.5171	107.2955	0.8195
10:06:52	265.20	4.34	494.26	146.52	90.35	75.85	951.36	27.2420	28.9192	20.6938	1.5708	4.5300	108.0844	0.8253
10:06:53	265.32	4.32	494.26	140.42	87.91	75.13	949.32	24.0558	25.5302	20.5807	1.5745	4.5414	108.8655	0.8310
10:06:54	265.32	4.28	494.26	135.53	86.69	75.13	950.85	20.5510	21.7970	20.8069	1.5776	4.5510	109.6468	0.8368
10:06:55	265.32	4.24	494.26	131.87	86.69	75.13	950.85	19.1172	20.2690	20.9200	1.5806	4.5601	110.4275	0.8426
10:06:56	265.20	4.17	494.75	128.21	85.47	75.85	950.85	18.3207	19.4194	20.6938	1.5834	4.5687	111.1962	0.8483
10:06:57	277.78	4.14	494.26	135.53	86.69	75.13	948.31	17.6834	18.7333	20.5807	1.5861	4.5770	111.9531	0.8540
10:06:58	277.78	4.10	494.75	151.40	87.91	75.37	943.22	17.2055	18.2185	20.6938	1.5888	4.5851	112.7079	0.8598
10:06:59	277.78	4.06	494.26	155.07	89.13	75.13	940.68	16.7276	17.6968	20.6938	1.5913	4.5930	113.4510	0.8655
10:07:00	277.78	4.03	494.26	148.96	87.91	75.13	938.14	17.6834	18.6998	20.6938	1.5942	4.6013	114.1877	0.8713
10:07:01	277.78	3.98	494.26	144.08	87.91	75.37	936.61	19.7544	20.8780	20.5807	1.5974	4.6106	114.9128	0.8770
10:07:02	277.78	3.97	494.26	140.42	86.69	75.13	887.80	20.2324	21.3720	20.4676	1.6006	4.6201	115.6271	0.8827
10:07:03	277.78	3.95	494.75	136.75	83.03	75.61	673.73	19.4358	20.5221	20.4676	1.6037	4.6292	116.3359	0.8884
10:07:04	277.78	3.95	494.75	136.75	83.03	75.61	673.73	18.7986	19.8379	20.3545	1.6067	4.6380	117.0332	0.8940
10:07:05	277.78	3.95	494.26	117.22	75.70	75.13	709.83	18.3207	19.3308	19.2237	1.6097	4.6466	117.6899	0.8994
10:07:06	277.78	3.97	494.75	109.89	74.48	75.85	694.07	17.8427	18.8214	14.1351	1.6125	4.6550	118.1703	0.9033
10:07:07	319.29	4.03	494.75	102.56	67.16	76.10	681.36	17.8427	18.8214	14.1351	1.6154	4.6634	118.6508	0.9072
10:07:08	319.29	4.08	494.26	102.56	65.93	75.61	680.34	15.2938	16.1326	8.5941	1.6179	4.6705	118.9429	0.9096
10:07:09	319.41	4.12	494.26	101.34	67.16	75.37	677.80	14.3379	15.1283	5.7671	1.6202	4.6773	119.1399	0.9112
10:07:10	319.41	4.15	494.75	102.56	67.16	75.85	677.80	13.3820	14.1325	1.0177	1.6226	4.6836	119.1752	0.9115
10:07:11	319.41	4.21	494.75	100.12	64.71	75.37	677.80	13.3820	14.1406	0.4523	1.6251	4.6898	119.1911	0.9116
10:07:12	319.41	4.24	494.26	97.68	63.49	75.13	677.80	13.2227	13.9795	0.1131	1.6275	4.6961	119.1951	0.9117
10:07:13	319.29	4.26	494.75	96.46	62.27	75.13	868.47	13.3820	14.1552	0.1131	1.6300	4.7024	119.1991	0.9117
10:07:14	319.41	4.32	494.26	101.34	68.38	75.37	1145.59	13.0634	13.8289	0.1131	1.6324	4.7085	119.2032	0.9117
10:07:15	319.41	4.34	494.26	117.22	75.70	74.88	1249.83	12.7448	13.4965	0.1131	1.6348	4.7145	119.2073	0.9117
10:07:16	319.29	4.37	494.26	145.30	83.03	75.85	1363.73	12.5855	13.3306	2.2616	1.6371	4.7204	119.2901	0.9124
10:07:17	302.69	4.41	494.75	230.77	95.24	75.13	1557.46	13.2227	14.0171	5.2017	1.6396	4.7267	119.4834	0.9138
10:07:18	302.81	4.43	501.10	372.41	122.10	75.85	1728.31	15.2938	16.2168	6.7849	1.6424	4.7339	119.7365	0.9157
10:07:19	302.81	4.46	500.61	819.29	222.22	75.85	1795.42	18.9579	20.1114	8.1418	1.6459	4.7428	120.0428	0.9180
10:07:20	302.69	4.48	500.61	1113.55	327.23	74.88	1731.87	30.1096	31.9572	10.4034	1.6512	4.7570	120.4377	0.9209
10:07:21	302.69	4.51	501.59	1239.32	404.15	75.37	1673.90	48.5896	51.5845	12.0997	1.6598	4.7803	120.8989	0.9242
10:07:22	302.69	4.51	501.10	1278.39	450.55	75.37	1849.83	106.8971	113.5212	14.7005	1.6786	4.8314	121.4623	0.9283
10:07:23	302.69	4.52	501.10	1496.95	572.65	75.85	1894.58	145.2908	154.3499	16.6229	1.7042	4.9009	122.1033	0.9329
10:07:24	302.81	4.51	501.10	1515.28	650.79	75.37	1002.20	161.6998	171.8353	17.5275	1.7327	4.9784	122.7826	0.9378
10:07:25	302.81	4.53	501.10	859.58	449.33	76.10	902.54	166.7977	177.2528	19.9022	1.7620	5.0583	123.5540	0.9433
10:07:26	302.69	4.50	501.10	568.99	337.00	75.13	925.93	195.3142	207.5996	21.3723	1.7964	5.1518	124.3853	0.9493
10:07:27	273.38	4.50	501.10	332.11	228.33	75.85	934.58	197.7038	210.1070	20.3545	1.8313	5.2465	125.1749	0.9549
10:07:28	273.38	4.50	501.10	332.11	228.33	75.85	934.58	112.1543	119.2151	19.7892	1.8510	5.3003	125.9453	0.9604
10:07:29	273.38	4.48	508.42	252.75	185.59	75.85	933.56	74.2385	78.8878	20.2415	1.8641	5.3358	126.7291	0.9660
10:07:30	273.38	4.46	508.91	190.48	145.30	75.61	921.86	43.3324	46.0436	20.4676	1.8710	5.3566	127.5218	0.9717
10:07:31	273.38	4.40	508.42	156.29	112.33	75.13	930.00	43.3324	46.0436	20.4676	1.8779	5.3773	128.3144	0.9774
10:07:32	273.38	4.35	508.42	150.18	102.56	75.61	934.07	32.9772	35.0297	20.3545	1.8831	5.3933	129.0986	0.9830
10:07:33	273.38	4.35	508.42	150.18	102.56	75.61	934.07	24.8524	26.3923	20.1284	1.8871	5.4054	129.8706	0.9886

10:07:34	273.38	4.32	508.91	144.08	97.68	75.61	937.63	20.3917	21.6385	20.2415	1.8903	5.4153	130.6368	0.9943
10:07:35	273.26	4.26	508.42	140.42	95.24	75.85	936.10	19.5951	20.7792	20.3545	1.8934	5.4248	131.3984	0.9999
10:07:36	273.38	4.23	508.42	137.97	92.80	75.37	926.95	19.5951	20.7792	20.3545	1.8965	5.4343	132.1600	1.0056
10:07:37	273.38	4.23	508.42	137.97	92.80	75.13	926.95	18.7986	19.9273	20.4676	1.8995	5.4434	132.9210	1.0113
10:07:38	275.82	4.10	508.42	131.87	89.13	75.13	938.14	18.3207	19.4046	20.4676	1.9024	5.4523	133.6710	1.0169
10:07:39	275.95	4.08	504.52	134.31	89.13	76.10	942.20	18.0020	19.0593	20.3545	1.9053	5.4610	134.4114	1.0226
10:07:40	275.95	4.08	504.52	134.31	89.13	76.10	942.20	18.0020	19.0593	20.3545	1.9081	5.4697	135.1518	1.0283
10:07:41	275.82	4.03	504.52	136.75	90.35	75.37	947.80	17.2055	18.1859	20.4676	1.9109	5.4780	135.8744	1.0339
10:07:42	275.82	4.01	504.03	134.31	91.58	75.37	946.27	17.5241	18.5169	20.5807	1.9137	5.4864	136.5967	1.0397
10:07:43	275.82	3.99	504.52	135.53	91.58	75.37	901.53	17.5241	18.5169	20.5807	1.9165	5.4948	137.3191	1.0454
10:07:44	275.95	3.98	504.52	120.88	83.03	75.61	721.02	17.8427	18.8418	20.6938	1.9193	5.5034	138.0371	1.0511
10:07:45	275.95	3.98	504.52	120.88	83.03	75.61	721.02	17.5241	18.5006	20.5807	1.9221	5.5118	138.7477	1.0568
10:07:46	275.82	4.04	504.52	102.56	70.82	75.85	692.54	17.6834	18.6639	19.7892	1.9249	5.5202	139.4276	1.0623
10:07:47	275.82	4.06	504.52	102.56	69.60	75.85	686.44	15.7717	16.6436	11.8735	1.9274	5.5278	139.8344	1.0656
10:07:48	332.23	4.11	501.10	103.79	74.48	75.85	681.36	15.7717	16.6436	11.8735	1.9300	5.5353	140.2412	1.0689
10:07:49	332.36	4.15	501.10	117.22	83.03	75.61	682.37	13.3820	14.1321	2.8270	1.9321	5.5418	140.3394	1.0697
10:07:50	332.36	4.18	500.61	112.33	84.25	75.13	680.85	13.3820	14.1358	1.4701	1.9342	5.5482	140.3907	1.0701
10:07:51	332.36	4.24	501.10	107.45	76.92	76.10	680.85	13.5413	14.3159	0.6785	1.9368	5.5546	140.4147	1.0703
10:07:52	332.36	4.24	501.10	107.45	76.92	76.10	680.85	15.2938	16.1761	0.1131	1.9398	5.5619	140.4187	1.0703
10:07:53	332.36	4.31	500.61	107.45	78.14	76.10	882.71	14.6565	15.5085	0.1131	1.9426	5.5689	140.4228	1.0704
10:07:54	332.36	4.36	501.10	117.22	83.03	75.37	1020.00	14.0193	14.8465	0.1131	1.9453	5.5756	140.4269	1.0704
10:07:55	332.23	4.39	501.10	130.65	87.91	76.10	1100.85	14.0193	14.8465	0.1131	1.9480	5.5823	140.4310	1.0704
10:07:56	332.36	4.42	501.10	164.84	114.77	76.10	1348.48	14.0193	14.8611	3.1663	1.9507	5.5890	140.5485	1.0713
10:07:57	321.86	4.44	501.10	205.13	141.64	75.37	1501.53	15.2938	16.2222	4.4102	1.9537	5.5963	140.7140	1.0725
10:07:58	321.86	4.46	498.66	269.84	141.64	75.37	1501.53	17.0462	18.0876	5.3148	1.9570	5.6044	140.9146	1.0740
10:07:59	321.86	4.49	498.66	269.84	159.95	75.85	1691.70	21.5069	22.8314	7.8026	1.9611	5.6147	141.2116	1.0762
10:08:00	321.86	4.49	498.66	597.07	227.11	75.13	1838.65	26.7641	28.4192	9.4988	1.9661	5.6275	141.5746	1.0788
10:08:01	321.98	4.51	499.15	1267.40	435.90	76.34	1777.12	35.2075	37.3925	9.4988	1.9727	5.6443	141.9390	1.0815
10:08:02	321.98	4.50	498.66	1463.98	514.04	75.37	1842.20	35.2075	37.4080	11.5342	1.9793	5.6611	142.3845	1.0847
10:08:03	321.98	4.50	499.15	1625.15	608.06	75.37	1877.80	77.9026	82.7715	14.0220	1.9939	5.6982	142.9261	1.0886
10:08:04	321.98	4.50	499.15	1625.15	608.06	75.61	1746.61	165.3639	175.7535	16.5098	2.0249	5.7771	143.5671	1.0931
10:08:05	321.98	4.50	498.66	1289.38	548.23	76.10	987.97	191.0128	202.9824	18.8845	2.0606	5.8681	144.2984	1.0984
10:08:06	321.98	4.50	498.66	592.19	421.25	76.10	958.47	212.0417	225.3291	20.4676	2.1004	5.9693	145.0911	1.1041
10:08:07	294.87	4.49	499.15	592.19	324.79	75.85	942.71	212.0417	225.3291	20.9200	2.1401	6.0704	145.9012	1.1099
10:08:08	294.87	4.49	499.15	296.70	179.49	75.85	940.17	168.2315	178.7735	21.3723	2.1716	6.1506	146.7289	1.1158
10:08:09	294.87	4.49	499.15	296.70	179.49	75.37	930.51	77.2654	82.1072	20.9200	2.1861	6.1874	147.5391	1.1216
10:08:10	294.87	4.46	498.66	240.54	130.65	76.10	919.83	77.2654	82.0903	20.5807	2.1993	6.2243	148.3340	1.1274
10:08:11	294.75	4.41	498.66	175.82	97.68	76.10	922.37	38.7124	41.1298	20.5807	2.2060	6.2427	149.1289	1.1331
10:08:12	294.75	4.41	498.66	175.82	97.68	76.10	922.37	38.7124	41.1298	20.3545	2.2126	6.2612	149.9151	1.1387
10:08:13	294.87	4.33	498.17	144.08	85.47	75.61	929.49	31.3841	33.3284	20.0153	2.2180	6.2761	150.6822	1.1443
10:08:14	294.75	4.29	498.66	140.42	85.47	76.10	935.59	22.9406	24.3467	20.1284	2.2219	6.2870	151.4455	1.1499
10:08:15	294.75	4.24	498.66	141.64	85.47	76.10	935.59	22.9406	24.3467	20.1284	2.2258	6.2980	152.2087	1.1555
10:08:16	294.75	4.20	499.15	137.97	86.69	76.10	945.76	18.7986	19.9312	20.3545	2.2291	6.3069	152.9676	1.1611
10:08:17	294.75	4.20	499.15	137.97	86.69	76.10	945.76	18.3207	19.4124	20.4676	2.2322	6.3156	153.7224	1.1668
10:08:18	301.71	4.16	498.66	130.65	86.69	76.10	947.29	18.4800	19.5701	20.4676	2.2354	6.3244	154.4697	1.1725
10:08:19	301.71	4.09	501.10	140.42	92.80	76.10	933.05	18.0020	19.0531	20.5807	2.2384	6.3329	155.2135	1.1782
10:08:20	301.71	4.05	501.10	147.74	95.24	76.10	933.05	18.0020	19.0531	20.5807	2.2415	6.3415	155.9573	1.1839
10:08:21	301.71	4.01	500.61	147.74	91.58	76.10	936.10	17.0462	18.0323	20.5807	2.2445	6.3496	156.6942	1.1896
10:08:22	301.71	4.01	501.10	152.63	94.02	76.34	761.19	18.3207	19.3625	20.3545	2.2477	6.3583	157.4106	1.1953
10:08:23	301.71	3.97	500.61	152.63	94.02	76.34	761.19	19.2765	20.3611	20.3545	2.2510	6.3675	158.1196	1.2009
10:08:24	301.71	3.99	501.10	133.09	86.69	75.85	709.83	19.2765	20.3506	20.3545	2.2544	6.3766	158.8217	1.2066
10:08:25	301.71	3.99	501.10	133.09	86.69	75.85	709.83	19.9138	21.0233	16.3967	2.2579	6.3861	159.3873	1.2112
10:08:26	301.71	3.99	501.10	118.44	81.81	75.85	693.05	19.9138	21.0124	16.3967	2.2614	6.3956	159.9474	1.2157
10:08:27	333.33	4.05	501.10	102.56	69.60	76.34	681.86	17.3648	18.3285	8.1418	2.2644	6.4038	160.2271	1.2180
10:08:28	333.33	4.05	501.10	102.56	69.60	76.34	681.86	17.3648	18.3285	8.1418	2.2674	6.4121	160.5069	1.2202
10:08:29	333.21	4.13	502.56	100.12	64.71	76.10	683.39	15.4531	16.3107	5.2017	2.2701	6.4194	160.6856	1.2217
10:08:30	333.33	4.17	502.56	100.12	64.71	76.10	683.39	13.3820	14.1351	1.1308	2.2727	6.4258	160.7250	1.2220
10:08:31	333.33	4.17	502.56	100.12	65.93	75.61	677.29	13.3820	14.1351	1.1308	2.2753	6.4322	160.7643	1.2223
10:08:32	333.33	4.26	502.56	95.24	64.71	75.37	677.29	13.0634	13.8135	0.0000	2.2778	6.4384	160.7643	1.2223
10:08:33	333.33	4.26	502.56	95.24	62.27	76.10	678.31	13.0634	13.8214	0.0000	2.2803	6.4447	160.7643	1.2223
10:08:34	333.33	4.33	502.56	98.90	64.71	76.10	889.32	13.0634	13.8214	0.1131	2.2828	6.4509	160.7684	1.2223
10:08:35	333.33	4.35	502.56	102.56	67.16	76.10	889.32	12.4262	13.1622	0.1131	2.2852	6.4569	160.7725	1.2224
10:08:36	333.33	4.35	502.56	102.56	67.16	76.10	1116.10	12.4262	13.1622	0.1131	2.2876	6.4628	160.7766	1.2224
10:08:37	333.33	4.37	502.56	144.08	76.92	76.10	1415.59	12.9041	13.6819	3.7317	2.2901	6.4690	160.9156	1.2234
10:08:38	313.43	4.39	490.35	144.08	76.92	76.10	1415.59	13.3820	14.1930	5.3148	2.2927	6.4754	161.1147	1.2249
10:08:39	313.43	4.39	490.35	241.76	102.56	76.10	1680.00	13.3820	14.1930	5.3148	2.2953	6.4818	161.3137	1.2264
10:08:40	313.43	4.41	490.35	440.78	147.74	75.85	1906.27	18.7986	19.9419	8.5941	2.2989	6.4908	161.6367	1.2288
10:08:41	313.43	4.39	489.87	1452.99	499.39	75.37	1802.54	18.7986	19.9463	8.5941	2.3024	6.4996	161.9612	1.2312
10:08:42	313.43	4.39	490.35	1623.93	632.48	76.10	1850.85	31.5434	33.4693	11.3081	2.3081	6.5144	162.3881	1.2343
10:08:43	313.43	4.39	489.87	1630.04	632.48	76.10	1850.85	57.5110	61.0381	12.7781	2.3186	6.5413	162.8726	1.2379
10:08:44	313.43	4.39	489.87	1630.04	656.90	74.88	1666.27	189.5790	201.1537	18.5453	2.3531	6.6299	163.5728	1.2430
10:08:45	313.43	4.37	490.35	953.60	442.00	75.37	940.17	211.8824	224.8188	20.4676	2.3917	6.7291	164.3455	1.2487

10:08:46	313.43	4.34	489.87	526.25	305.25	75.37	940.17	212.6789	225.6640	20.4676	2.4304	6.8285	165.1182	1.2544
10:08:47	313.43	4.34	489.87	388.28	305.25	75.85	952.37	212.6789	225.6640	20.8069	2.4691	6.9279	165.9037	1.2602
10:08:48	313.43	4.34	489.87	388.28	257.63	75.37	952.37	124.4212	131.9836	20.3545	2.4918	6.9861	166.6687	1.2658
10:08:49	269.96	4.30	478.63	302.81	214.90	75.85	939.66	68.6627	72.8096	20.3545	2.5043	7.0182	167.4289	1.2715
10:08:50	269.84	4.28	478.63	264.96	190.48	75.37	941.19	50.6606	53.7203	20.8069	2.5135	7.0419	168.2060	1.2772
10:08:51	269.96	4.22	478.63	189.26	120.88	75.37	939.66	50.6606	53.7203	20.8069	2.5227	7.0655	168.9831	1.2830
10:08:52	269.96	4.22	478.63	189.26	120.88	75.37	939.66	39.5089	41.8701	20.4676	2.5289	7.0835	169.7407	1.2887
10:08:53	269.84	4.14	478.63	150.18	96.46	76.10	940.68	34.5703	36.6249	20.4676	2.5343	7.0993	170.4942	1.2944
10:08:54	269.84	4.10	478.14	141.64	92.80	75.85	939.15	24.6931	26.1390	20.4676	2.5382	7.1106	171.2366	1.3001
10:08:55	269.84	4.06	478.14	141.64	92.80	75.85	939.15	24.6931	26.1390	20.4676	2.5420	7.1218	171.9791	1.3058
10:08:56	269.84	4.06	478.63	136.75	89.13	75.13	940.17	19.5951	20.7211	20.4676	2.5451	7.1307	172.7078	1.3115
10:08:57	269.96	4.01	478.63	130.65	86.69	75.13	940.17	18.4800	19.5327	20.4676	2.5480	7.1391	173.4303	1.3171
10:08:58	269.84	3.97	478.63	125.76	86.69	75.61	939.15	18.4800	19.5206	20.4676	2.5509	7.1475	174.1446	1.3228
10:08:59	269.84	3.89	480.59	117.22	83.03	75.13	939.15	17.8427	18.8475	20.4676	2.5537	7.1556	174.8588	1.3285
10:09:00	269.84	3.89	480.59	117.22	83.03	75.13	939.15	17.0462	17.9958	20.5807	2.5563	7.1634	175.5694	1.3342
10:09:01	269.96	3.84	480.10	117.22	80.59	76.10	939.15	16.4089	17.3123	20.5807	2.5589	7.1708	176.2718	1.3399
10:09:02	269.84	3.81	480.59	117.22	79.37	76.10	939.15	15.2938	16.1190	20.4676	2.5613	7.1778	176.9565	1.3456
10:09:03	269.84	3.81	480.59	117.22	79.37	75.85	765.76	15.2938	16.1190	20.4676	2.5636	7.1848	177.6412	1.3513
10:09:04	269.84	3.81	480.10	105.01	74.48	75.85	722.54	15.2938	16.1082	20.4676	2.5660	7.1917	178.3169	1.3570
10:09:05	269.84	3.81	480.10	105.01	69.60	75.13	705.76	15.2938	16.1023	20.4676	2.5684	7.1987	178.9879	1.3627
10:09:06	269.84	3.85	480.10	100.12	63.49	75.37	690.00	15.2938	16.1023	16.5098	2.5708	7.2056	179.5291	1.3673
10:09:07	314.90	3.88	480.59	100.12	63.49	75.37	690.00	13.7007	14.4250	10.6296	2.5729	7.2119	179.8776	1.3702
10:09:08	314.90	3.88	480.59	97.68	62.27	75.13	684.41	13.7007	14.4250	7.9157	2.5750	7.2181	180.1370	1.3724
10:09:09	314.77	3.95	484.49	95.24	61.05	75.85	682.37	13.0634	13.7605	2.1485	2.5771	7.2240	180.2081	1.3730
10:09:10	314.77	4.00	484.49	94.02	59.83	75.85	682.37	13.0634	13.7673	2.1485	2.5794	7.2300	180.2798	1.3736
10:09:11	314.77	4.00	484.49	94.02	59.83	74.88	680.34	12.7448	13.4316	1.0177	2.5818	7.2358	180.3137	1.3739
10:09:12	314.90	4.05	484.49	94.02	59.83	75.37	680.34	12.4262	13.1087	0.1131	2.5840	7.2415	180.3176	1.3739
10:09:13	314.90	4.15	484.49	95.24	58.61	75.13	682.88	12.2669	12.9487	0.1131	2.5863	7.2472	180.3215	1.3740
10:09:14	314.90	4.17	484.98	97.68	64.71	74.88	969.66	12.2669	12.9487	0.1131	2.5885	7.2528	180.3254	1.3740
10:09:15	314.90	4.20	484.49	102.56	67.16	74.88	969.66	12.2669	12.9574	0.1131	2.5907	7.2584	180.3293	1.3740
10:09:16	314.90	4.24	484.98	102.56	67.16	74.88	1114.07	12.4262	13.1440	0.1131	2.5930	7.2642	180.3333	1.3741
10:09:17	311.48	4.28	484.49	175.82	87.91	75.13	1535.09	12.7448	13.4845	4.2971	2.5953	7.2700	180.4876	1.3753
10:09:18	311.48	4.30	483.03	175.82	87.91	75.13	1535.09	13.3820	14.1639	4.2971	2.5977	7.2762	180.6429	1.3764
10:09:19	311.48	4.32	483.03	262.52	126.98	75.85	1743.05	13.3820	14.1720	5.5410	2.6002	7.2824	180.8452	1.3780
10:09:20	311.48	4.33	482.54	1125.76	240.54	75.85	1862.54	22.9406	24.3047	9.7250	2.6043	7.2930	181.2029	1.3807
10:09:21	311.48	4.33	482.54	1125.76	405.37	75.37	1763.90	22.9406	24.3135	9.7250	2.6085	7.3036	181.5628	1.3834
10:09:22	311.48	4.36	482.54	1636.14	626.37	75.37	1905.76	34.2517	36.3089	11.7604	2.6147	7.3193	181.9997	1.3867
10:09:23	311.36	4.36	482.54	1691.09	663.00	75.37	1905.76	146.8839	155.7385	15.7182	2.6412	7.3869	182.5857	1.3910
10:09:24	311.36	4.36	482.54	1691.09	663.00	75.37	1391.19	146.8839	155.7385	16.9621	2.6678	7.4545	183.2181	1.3957
10:09:25	311.48	4.34	482.54	709.40	377.29	74.88	928.98	213.4755	226.4264	20.8069	2.7064	7.5528	183.9987	1.4015
10:09:26	311.48	4.34	482.54	477.41	297.92	74.88	928.98	220.6445	234.0302	20.8069	2.7463	7.6543	184.7793	1.4073
10:09:27	311.48	4.34	482.54	477.41	297.92	74.88	943.73	220.6445	234.0302	21.5984	2.7862	7.7559	185.5896	1.4133
10:09:28	270.33	4.32	480.59	263.74	212.45	75.13	945.76	92.5592	98.1440	20.3545	2.8029	7.7985	186.3492	1.4189
10:09:29	270.33	4.32	480.59	263.74	174.60	75.13	937.63	62.2903	66.0487	20.5807	2.8142	7.8271	187.1172	1.4247
10:09:30	270.45	4.28	480.59	225.89	144.08	74.88	937.63	62.2903	66.0487	20.5807	2.8255	7.8558	187.8851	1.4304
10:09:31	270.45	4.25	480.59	173.38	106.23	75.85	940.17	34.4110	36.4770	20.5807	2.8309	7.8716	188.6504	1.4361
10:09:32	270.45	4.25	480.59	173.38	106.23	75.85	940.17	34.4110	36.4770	20.4676	2.8363	7.8873	189.4114	1.4418
10:09:33	270.45	4.17	480.59	150.18	92.80	75.85	940.17	29.4724	31.2224	20.4676	2.8409	7.9008	190.1641	1.4475
10:09:34	270.45	4.12	480.10	144.08	86.69	74.88	941.19	22.6220	23.9566	20.4676	2.8444	7.9112	190.9121	1.4532
10:09:35	270.45	4.12	480.10	144.08	86.69	74.88	941.19	22.6220	23.9566	20.4676	2.8480	7.9215	191.6600	1.4588
10:09:36	270.45	4.03	480.10	140.42	83.03	75.61	942.71	19.5951	20.7297	20.5807	2.8510	7.9305	192.3983	1.4646
10:09:37	270.45	4.03	480.10	140.42	83.03	75.61	942.71	18.7986	19.8737	20.5807	2.8540	7.9391	193.1276	1.4703
10:09:38	280.83	3.98	480.59	140.42	83.03	74.88	942.71	18.7986	19.8737	20.5807	2.8569	7.9476	193.8569	1.4760
10:09:39	280.83	3.90	489.87	145.30	89.13	75.85	942.71	18.3207	19.3463	20.5807	2.8598	7.9560	194.5709	1.4817
10:09:40	280.83	3.90	489.87	145.30	89.13	75.85	942.71	18.3207	19.3463	20.5807	2.8627	7.9644	195.2850	1.4874
10:09:41	280.71	3.87	490.35	146.52	86.69	74.88	944.75	18.3207	19.3317	20.5807	2.8656	7.9727	195.9887	1.4931
10:09:42	280.83	3.86	490.35	146.52	86.69	74.88	944.75	18.9579	19.9844	20.4676	2.8687	7.9815	196.6754	1.4988
10:09:43	280.83	3.86	490.35	140.42	83.03	74.88	679.32	18.9579	19.9844	20.4676	2.8718	7.9903	197.3622	1.5045
10:09:44	280.71	3.86	490.35	122.10	79.37	75.85	723.56	19.1172	20.1440	20.6938	2.8749	7.9992	198.0510	1.5103
10:09:45	280.71	3.86	490.84	113.55	75.70	75.85	706.78	19.1172	20.1408	20.6938	2.8780	8.0081	198.7377	1.5160
10:09:46	280.83	3.88	490.35	103.79	68.38	75.13	694.07	18.3207	19.3016	14.7005	2.8809	8.0166	199.2256	1.5201
10:09:47	280.83	3.91	489.87	102.56	68.38	75.13	694.07	15.9310	16.7840	10.8558	2.8835	8.0240	199.5858	1.5231
10:09:48	280.83	3.91	489.87	102.56	67.16	74.88	684.92	14.8158	15.6092	8.2549	2.8859	8.0309	199.8597	1.5254
10:09:49	318.93	3.99	500.61	101.34	67.16	75.37	677.80	13.5413	14.2701	2.7139	2.8881	8.0372	199.9502	1.5262
10:09:50	318.80	4.04	500.61	101.34	65.93	75.37	677.80	13.3820	14.1081	2.7139	2.8903	8.0434	200.0415	1.5269
10:09:51	318.80	4.04	500.61	101.34	65.93	75.13	679.32	13.3820	14.1081	1.4701	2.8924	8.0496	200.0909	1.5273
10:09:52	318.80	4.07	501.10	101.34	64.71	75.85	677.29	13.2227	13.9563	0.3392	2.8949	8.0559	200.1026	1.5274
10:09:53	318.93	4.14	501.10	101.34	64.71	75.85	951.36	13.2227	13.9657	0.3392	2.8973	8.0622	200.1144	1.5275
10:09:54	318.93	4.14	501.10	101.34	64.71	75.85	951.36	13.2227	13.9657	0.4523	2.8998	8.0685	200.1301	1.5276
10:09:55	318.80	4.22	501.10	105.01	67.16	75.13	1070.85	13.2227	13.9715	0.1131	2.9022	8.0748	200.1340	1.5277
10:09:56	318.80	4.25	500.61	178.27	73.26	75.37	1260.51	13.2227	13.9845	3.1663	2.9046	8.0811	200.2469	1.5285
10:09:57	318.80	4.26	501.10	235.65	100.12	74.88	1592.04	13.2227	13.9845	3.1663	2.9071	8.0874	200.3597	1.5294

10:09:58	288.89	4.30	492.31	506.72	100.12	74.88	1592.04	13.7007	14.5042	4.6363	2.9096	8.0939	200.5279	1.5307
10:09:59	288.89	4.30	492.31	888.89	252.75	75.13	1909.83	23.2593	24.6349	5.9933	2.9139	8.1050	200.7471	1.5324
10:10:00	288.89	4.30	492.31	888.89	252.75	75.37	1808.65	30.7469	32.5704	10.4034	2.9196	8.1197	201.1287	1.5353
10:10:01	288.89	4.33	492.31	1189.26	363.86	75.85	1755.76	66.1137	70.0673	10.4034	2.9307	8.1507	201.5137	1.5382
10:10:02	288.77	4.33	492.31	1412.70	523.81	75.37	1849.83	115.9778	122.9132	12.6651	2.9501	8.2051	201.9825	1.5417
10:10:03	288.89	4.33	492.31	1456.65	549.45	75.85	1104.92	115.9778	122.9132	15.7182	2.9696	8.2595	202.5643	1.5460
10:10:04	288.89	4.33	492.31	1456.65	549.45	75.85	1104.92	155.1680	164.5067	17.5275	2.9956	8.3324	203.2172	1.5509
10:10:05	288.77	4.32	492.31	722.83	346.76	74.88	945.76	184.3218	195.4149	19.3368	3.0265	8.4189	203.9374	1.5563
10:10:06	288.89	4.32	492.31	417.58	239.32	74.88	941.19	190.0569	201.4953	21.8246	3.0583	8.5081	204.7504	1.5623
10:10:07	288.77	4.32	492.31	417.58	239.32	74.88	941.19	190.0569	201.4953	21.8246	3.0902	8.5973	205.5633	1.5684
10:10:08	250.43	4.28	484.49	235.65	139.19	75.13	941.19	94.3116	99.9772	20.8069	3.1060	8.6416	206.3369	1.5742
10:10:09	250.43	4.28	484.49	235.65	139.19	75.13	941.19	54.4841	57.7571	20.5807	3.1152	8.6672	207.1022	1.5799
10:10:10	250.43	4.28	484.49	202.69	117.22	75.85	941.19	54.4841	57.7571	20.5807	3.1243	8.6927	207.8674	1.5856
10:10:11	250.43	4.21	484.49	161.17	96.46	75.85	939.15	30.7469	32.5731	20.5807	3.1288	8.7069	208.6250	1.5913
10:10:12	250.43	4.21	484.49	161.17	96.46	75.85	939.15	30.7469	32.5731	20.5807	3.1332	8.7211	209.3826	1.5970
10:10:13	250.43	4.12	484.98	155.07	94.02	75.37	936.61	26.4455	28.0162	20.4676	3.1371	8.7333	210.1361	1.6027
10:10:14	250.43	4.08	484.49	150.18	90.35	76.10	936.61	21.0289	22.2584	20.4676	3.1401	8.7430	210.8778	1.6084
10:10:15	250.43	4.08	484.49	150.18	90.35	76.10	936.61	21.0289	22.2584	20.4676	3.1432	8.7527	211.6196	1.6141
10:10:16	250.43	3.99	484.98	145.30	87.91	75.37	936.61	20.2324	21.3898	20.4676	3.1461	8.7620	212.3455	1.6198
10:10:17	250.43	3.99	484.98	137.97	85.47	75.37	936.61	19.5951	20.7032	20.4676	3.1489	8.7711	213.0632	1.6255
10:10:18	273.02	3.92	498.66	130.65	83.03	75.85	939.66	19.5951	20.7032	20.4676	3.1518	8.7801	213.7809	1.6312
10:10:19	273.02	3.92	498.66	130.65	83.03	75.85	939.66	18.9579	20.0071	20.3545	3.1545	8.7888	214.4796	1.6368
10:10:20	273.02	3.90	498.66	130.65	83.03	75.85	941.19	18.0020	18.9984	20.4676	3.1571	8.7971	215.1822	1.6425
10:10:21	272.89	3.86	498.66	128.21	83.03	75.85	907.12	17.0462	17.9736	20.4676	3.1598	8.8052	215.8724	1.6482
10:10:22	273.02	3.85	498.66	126.98	83.03	75.85	907.12	17.0462	17.9736	20.4676	3.1625	8.8132	216.5626	1.6539
10:10:23	273.02	3.85	498.66	126.98	81.81	75.85	705.76	17.0462	17.9689	20.4676	3.1652	8.8213	217.2494	1.6596
10:10:24	272.89	3.85	498.66	120.88	78.14	75.85	722.54	16.7276	17.6230	19.7892	3.1678	8.8292	217.9061	1.6651
10:10:25	273.02	3.86	498.66	106.23	73.26	75.13	700.17	16.5683	17.4524	19.7892	3.1704	8.8370	218.5608	1.6705
10:10:26	272.89	3.89	498.66	102.56	68.38	76.10	692.03	16.5683	17.4524	15.2659	3.1730	8.8448	219.0658	1.6748
10:10:27	317.34	3.92	498.66	102.56	67.16	76.10	686.44	15.7717	16.6134	11.7604	3.1755	8.8523	219.4549	1.6781
10:10:28	317.34	3.98	512.33	101.34	64.71	75.85	681.86	13.8600	14.6026	4.9756	3.1777	8.8588	219.6202	1.6794
10:10:29	317.46	4.02	511.84	101.34	62.27	75.13	678.81	13.3820	14.1050	4.9756	3.1798	8.8652	219.7868	1.6808
10:10:30	317.46	4.02	511.84	101.34	62.27	75.13	678.81	13.3820	14.1112	2.4878	3.1823	8.8715	219.8707	1.6815
10:10:31	317.46	4.07	511.84	100.12	61.05	74.88	678.81	13.2227	13.9534	1.4701	3.1847	8.8779	219.9210	1.6819
10:10:32	317.46	4.10	511.84	98.90	59.83	75.61	679.83	13.2227	13.9620	0.1131	3.1871	8.8843	219.9249	1.6820
10:10:33	317.34	4.24	512.33	97.68	59.83	75.37	980.85	13.2227	13.9620	0.1131	3.1895	8.8908	219.9288	1.6820
10:10:34	317.46	4.24	512.33	105.01	59.83	75.37	980.85	13.0634	13.8031	0.1131	3.1919	8.8971	219.9327	1.6820
10:10:35	317.34	4.28	512.33	105.01	65.93	75.61	1060.17	12.9041	13.6390	0.1131	3.1943	8.9034	219.9367	1.6820
10:10:36	317.34	4.28	512.33	118.44	70.82	74.88	1166.95	12.7448	13.4958	4.1840	3.1967	8.9096	220.0892	1.6832
10:10:37	305.37	4.33	512.33	201.47	101.34	75.61	1606.78	13.7007	14.5079	4.1840	3.1992	8.9163	220.2417	1.6844
10:10:38	305.37	4.36	490.35	328.45	141.64	75.61	1606.78	13.7007	14.5162	4.9756	3.2017	8.9230	220.4248	1.6856
10:10:39	305.37	4.36	490.35	328.45	141.64	75.85	1830.51	15.4531	16.3729	6.2194	3.2045	8.9305	220.6538	1.6875
10:10:40	305.37	4.38	489.87	1168.50	266.18	75.13	1818.81	26.2862	27.8705	10.5165	3.2092	8.9434	221.0459	1.6904
10:10:41	305.37	4.38	489.87	1168.50	387.06	75.61	1749.66	42.8544	45.4538	10.5165	3.2168	8.9634	221.4404	1.6933
10:10:42	305.37	4.37	490.35	1300.37	492.06	76.10	1761.36	42.8544	45.4538	12.0997	3.2244	8.9835	221.8944	1.6967
10:10:43	305.37	4.37	489.87	1431.01	594.63	75.61	1505.59	152.4598	161.7490	16.3967	3.2514	9.0547	222.5123	1.7012
10:10:44	305.37	4.37	489.87	1431.01	594.63	75.61	1505.59	152.4598	161.7490	17.4144	3.2785	9.1260	223.1685	1.7061
10:10:45	305.37	4.36	490.35	699.63	409.04	75.37	944.24	169.6652	179.9749	18.7714	3.3086	9.2054	223.8741	1.7113
10:10:46	305.37	4.33	490.35	493.28	317.46	75.13	939.15	186.7114	198.0569	21.0330	3.3417	9.2926	224.6646	1.7171
10:10:47	280.83	4.33	490.35	493.28	317.46	75.13	939.15	186.7114	198.0569	21.0330	3.3748	9.3799	225.4551	1.7230
10:10:48	280.83	4.31	466.42	266.18	172.16	75.61	933.56	91.2847	96.8166	20.4676	3.3910	9.4226	226.2223	1.7287
10:10:49	280.83	4.31	466.42	266.18	172.16	75.61	933.56	64.3613	68.2404	20.4676	3.4024	9.4527	226.9854	1.7343
10:10:50	280.83	4.27	466.42	227.11	141.64	76.10	937.12	64.3613	68.2373	20.4676	3.4129	9.4827	227.7484	1.7400
10:10:51	280.83	4.21	466.42	178.27	102.56	75.37	938.64	34.7296	36.8078	20.4676	3.4185	9.4982	228.5067	1.7457
10:10:52	280.83	4.16	466.42	163.61	94.02	75.37	938.64	34.7296	36.8078	20.4676	3.4242	9.5136	229.2650	1.7514
10:10:53	280.83	4.12	466.42	157.51	90.35	76.10	939.66	29.6317	31.3902	20.4676	3.4290	9.5268	230.0170	1.7571
10:10:54	280.83	4.07	465.93	145.30	86.69	75.13	939.66	23.2593	24.6192	20.4676	3.4328	9.5371	230.7581	1.7628
10:10:55	280.71	4.03	465.93	145.30	86.69	75.13	939.66	21.3476	22.5805	20.4676	3.4363	9.5466	231.4903	1.7685
10:10:56	280.71	4.00	465.93	137.97	85.47	76.10	941.70	20.5510	21.7267	20.4676	3.4396	9.5557	232.2155	1.7741
10:10:57	280.71	4.00	465.93	137.97	85.47	76.10	941.70	18.9579	20.0300	20.4676	3.4427	9.5641	232.9325	1.7798
10:10:58	277.29	3.93	466.91	134.31	83.03	76.10	943.73	18.9579	20.0186	20.4676	3.4458	9.5725	233.6420	1.7855
10:10:59	277.29	3.89	480.10	131.87	83.03	75.37	945.76	18.0020	19.0014	20.5807	3.4487	9.5804	234.3498	1.7912
10:11:00	277.29	3.86	480.59	131.87	83.03	75.37	945.76	18.0020	19.0014	20.5807	3.4516	9.5884	235.0577	1.7969
10:11:01	277.29	3.83	480.59	131.87	81.81	75.61	947.29	17.5241	18.4796	20.4676	3.4544	9.5962	235.7493	1.8026
10:11:02	277.29	3.83	480.59	131.87	81.81	76.10	662.54	17.2055	18.1342	20.5807	3.4572	9.6040	236.4377	1.8084
10:11:03	277.29	3.81	480.59	122.10	81.81	76.10	662.54	17.2055	18.1266	20.5807	3.4599	9.6118	237.1207	1.8141
10:11:04	277.29	3.81	480.10	113.55	76.92	75.37	706.27	17.2055	18.1201	20.6938	3.4627	9.6197	237.8026	1.8198
10:11:05	277.29	3.81	480.10	113.55	76.92	75.37	706.27	17.2055	18.1201	14.3613	3.4654	9.6275	238.2757	1.8238
10:11:06	277.29	3.83	480.59	108.67	75.70	75.13	690.51	15.9310	16.7726	14.3613	3.4680	9.6347	238.7460	1.8278
10:11:07	277.29	3.87	480.59	107.45	78.14	75.37	685.42	14.8158	15.5985	8.2549	3.4704	9.6415	239.0164	1.8301
10:11:08	313.43	3.90	496.21	107.45	78.14	75.37	685.42	14.8158	15.5985	8.2549	3.4727	9.6482	239.2867	1.8324
10:11:09	313.43	3.93	496.21	103.79	72.04	75.85	678.81	14.1786	14.9323	4.7494	3.4750	9.6547	239.4432	1.8337

10:11:10	313.43	3.98	496.21	102.56	69.60	76.34	678.81	14.0193	14.7722	1.6962	3.4772	9.6611	239.4997	1.8342
10:11:11	313.43	4.02	496.21	102.56	69.60	75.37	681.36	14.0193	14.7793	1.6962	3.4798	9.6676	239.5566	1.8346
10:11:12	313.43	4.07	496.21	101.34	72.04	75.37	748.48	13.5413	14.2813	0.1131	3.4822	9.6740	239.5604	1.8347
10:11:13	313.43	4.11	496.21	102.56	75.70	76.34	1005.76	13.3820	14.1221	0.1131	3.4846	9.6803	239.5643	1.8347
10:11:14	313.43	4.11	496.21	102.56	75.70	76.34	1005.76	13.3820	14.1301	0.1131	3.4871	9.6866	239.5682	1.8347
10:11:15	313.43	4.18	496.70	146.52	90.35	75.85	1273.22	13.2227	13.9706	0.4523	3.4895	9.6929	239.5840	1.8349
10:11:16	313.43	4.18	496.21	208.79	108.67	75.61	1423.22	13.3820	14.1470	4.2971	3.4919	9.6992	239.7360	1.8361
10:11:17	285.71	4.24	496.70	284.49	156.29	75.37	1423.22	13.3820	14.1470	4.2971	3.4943	9.7055	239.8880	1.8372
10:11:18	285.71	4.24	496.70	284.49	156.29	75.37	1688.65	19.1172	20.2288	7.1241	3.4978	9.7145	240.1442	1.8392
10:11:19	285.84	4.22	484.49	584.86	219.78	76.34	1875.76	27.2420	28.8261	8.8203	3.5027	9.7274	240.4615	1.8417
10:11:20	285.71	4.25	484.49	981.68	357.75	75.37	1712.04	37.1192	39.3042	11.5342	3.5089	9.7449	240.8818	1.8449
10:11:21	285.71	4.27	484.49	1372.41	534.80	75.61	1873.22	37.1192	39.3042	11.5342	3.5150	9.7625	241.3022	1.8481
10:11:22	285.71	4.27	484.49	1573.87	534.80	75.61	1873.22	76.3095	80.7887	12.8912	3.5277	9.7977	241.7707	1.8517
10:11:23	285.71	4.27	484.49	1573.87	601.95	76.34	1856.95	128.0853	135.6527	16.1706	3.5489	9.8568	242.3621	1.8562
10:11:24	285.71	4.27	484.49	1438.34	603.17	75.61	995.59	179.0645	189.6929	19.6761	3.5786	9.9395	243.0851	1.8616
10:11:25	285.71	4.27	484.49	985.35	466.42	75.61	935.09	205.3507	217.5393	19.6761	3.6126	10.0343	243.8081	1.8671
10:11:26	285.71	4.27	484.49	528.69	304.03	76.10	949.32	205.3507	217.5393	20.9200	3.6466	10.1290	244.5768	1.8729
10:11:27	285.71	4.27	484.49	528.69	304.03	76.10	949.32	187.6673	198.8063	21.0330	3.6777	10.2157	245.3497	1.8787
10:11:28	249.94	4.24	484.49	290.60	191.70	75.37	929.49	128.5633	136.1942	20.4676	3.6990	10.2750	246.1017	1.8844
10:11:29	249.94	4.22	472.28	186.81	135.53	75.85	938.14	68.9813	73.0757	20.5807	3.7105	10.3068	246.8580	1.8901
10:11:30	249.94	4.22	472.28	186.81	135.53	75.85	938.14	68.9813	73.0757	20.5807	3.7219	10.3387	247.6142	1.8959
10:11:31	249.94	4.20	472.28	169.72	114.77	76.34	936.61	37.9158	40.1491	20.2415	3.7274	10.3562	248.3532	1.9015
10:11:32	249.94	4.16	472.28	156.29	97.68	75.85	936.61	24.3744	25.8035	20.4676	3.7309	10.3671	249.0970	1.9072
10:11:33	249.94	4.14	472.28	148.96	91.58	76.34	936.61	24.3744	25.8035	20.4676	3.7345	10.3781	249.8409	1.9129
10:11:34	249.94	4.09	472.28	137.97	84.25	75.61	936.61	22.1441	23.4351	20.4676	3.7377	10.3881	250.5806	1.9185
10:11:35	249.94	4.09	472.28	137.97	84.25	76.10	936.61	20.3917	21.5682	20.4676	3.7406	10.3972	251.3127	1.9242
10:11:36	249.94	4.00	472.28	134.31	80.59	75.37	938.14	19.4358	20.5519	20.4676	3.7434	10.4059	252.0414	1.9299
10:11:37	267.28	3.92	472.28	130.65	80.59	76.10	939.15	18.0020	19.0239	20.4676	3.7460	10.4140	252.7619	1.9356
10:11:38	267.28	3.89	472.28	130.65	80.59	76.10	939.15	18.0020	19.0239	20.4676	3.7486	10.4221	253.4823	1.9413
10:11:39	267.28	3.89	490.35	130.65	80.59	76.34	940.17	17.5241	18.4959	20.3545	3.7512	10.4300	254.1824	1.9469
10:11:40	267.40	3.87	490.35	125.76	80.59	75.37	940.17	17.0462	17.9743	20.4676	3.7538	10.4376	254.8733	1.9526
10:11:41	267.28	3.84	490.35	123.32	80.59	76.34	938.64	17.0462	17.9659	20.4676	3.7564	10.4452	255.5580	1.9583
10:11:42	267.28	3.84	489.87	123.32	80.59	76.34	884.75	17.0462	17.9659	20.4676	3.7590	10.4531	256.2427	1.9640
10:11:43	267.28	3.84	489.87	123.32	80.59	75.37	884.75	16.4089	17.2898	20.5807	3.7616	10.4608	256.9277	1.9697
10:11:44	267.28	3.84	490.35	109.89	75.70	76.34	725.59	16.0903	16.9471	20.4676	3.7641	10.4682	257.6035	1.9754
10:11:45	267.28	3.87	490.35	102.56	68.38	76.34	693.56	16.0903	16.9471	19.3368	3.7665	10.4757	258.2419	1.9808
10:11:46	267.28	3.87	490.35	102.56	68.38	76.34	693.56	16.0903	16.9471	19.3368	3.7690	10.4832	258.8804	1.9861
10:11:47	267.28	3.91	490.35	100.12	65.93	76.34	690.00	14.3379	15.1013	9.7250	3.7712	10.4898	259.2014	1.9888
10:11:48	305.37	3.93	490.35	97.68	64.71	76.10	690.00	13.3820	14.1004	5.0886	3.7733	10.4961	259.3708	1.9903
10:11:49	305.25	3.99	508.42	96.46	62.27	75.37	687.46	13.3820	14.1004	5.0886	3.7754	10.5023	259.5402	1.9917
10:11:50	305.37	4.03	508.91	96.46	61.05	76.10	682.88	13.0634	13.7718	2.3747	3.7774	10.5083	259.6200	1.9923
10:11:51	305.37	4.03	508.91	96.46	61.05	76.10	682.88	12.7448	13.4404	1.1308	3.7796	10.5143	259.6582	1.9926
10:11:52	305.37	4.09	508.42	96.46	63.49	75.61	684.92	12.5855	13.2827	0.1131	3.7818	10.5203	259.6621	1.9927
10:11:53	305.37	4.15	508.42	102.56	73.26	75.37	709.83	12.5855	13.2896	0.1131	3.7841	10.5264	259.6660	1.9927
10:11:54	305.37	4.24	508.91	109.89	75.70	75.85	918.81	12.5855	13.2896	0.1131	3.7863	10.5325	259.6700	1.9927
10:11:55	305.37	4.27	508.42	123.32	76.92	75.61	1040.85	12.5855	13.3013	0.1131	3.7885	10.5386	259.6739	1.9928
10:11:56	305.37	4.28	508.42	141.64	80.59	75.61	1173.56	13.3820	14.1548	0.4523	3.7909	10.5451	259.6901	1.9929
10:11:57	289.74	4.28	508.42	141.64	80.59	76.10	1341.36	14.3379	15.1832	3.8447	3.7934	10.5520	259.8303	1.9940
10:11:58	289.74	4.32	484.49	317.46	133.09	75.85	1832.54	16.0903	17.0460	4.8625	3.7963	10.5598	260.0090	1.9953
10:11:59	289.74	4.34	484.98	610.50	133.09	75.85	1832.54	18.4800	19.5806	6.2194	3.7995	10.5688	260.2382	1.9970
10:12:00	289.74	4.34	484.98	610.50	203.91	76.10	1848.81	18.4800	19.5800	7.9157	3.8026	10.5777	260.5298	1.9992
10:12:01	289.87	4.35	484.49	1058.61	337.00	75.37	1720.17	41.4206	43.9067	12.2127	3.8096	10.5968	260.9835	2.0026
10:12:02	289.74	4.35	484.49	1587.30	663.00	75.37	1861.02	79.6551	84.4623	12.2127	3.8230	10.6337	261.4396	2.0060
10:12:03	289.74	4.35	484.49	1619.05	684.98	75.37	1154.75	79.6551	84.4623	14.9267	3.8364	10.6705	261.9971	2.0102
10:12:04	289.74	4.35	484.98	1197.80	550.67	75.37	1154.75	138.1219	146.4803	17.0752	3.8597	10.7344	262.6366	2.0149
10:12:05	289.74	4.35	484.98	661.78	369.96	76.10	982.88	207.1031	219.6359	21.0330	3.8945	10.8301	263.4243	2.0208
10:12:06	289.74	4.33	484.49	461.54	289.38	76.10	947.80	211.2452	224.0286	22.0508	3.9300	10.9277	264.2501	2.0269
10:12:07	256.90	4.31	484.98	461.54	289.38	76.10	947.80	156.2832	165.7407	22.0508	3.9563	11.0000	265.0759	2.0330
10:12:08	256.90	4.29	484.98	354.09	231.99	76.34	944.75	86.3461	91.5713	21.3723	3.9708	11.0399	265.8763	2.0389
10:12:09	256.90	4.26	462.03	262.52	167.28	76.10	943.22	60.2192	63.8402	20.6938	3.9810	11.0677	266.6464	2.0447
10:12:10	256.90	4.26	462.03	224.66	137.97	76.34	941.19	60.2192	63.8232	20.6938	3.9900	11.0955	267.4137	2.0504
10:12:11	256.90	4.22	462.03	183.15	111.11	76.34	938.64	46.1999	48.9497	20.5807	3.9968	11.1169	268.1727	2.0562
10:12:12	256.90	4.13	461.54	157.51	94.02	76.10	937.63	34.2517	36.2771	20.4676	4.0019	11.1320	268.9228	2.0618
10:12:13	256.90	4.13	461.54	157.51	94.02	76.10	937.63	29.3131	31.0465	20.5807	4.0063	11.1449	269.6769	2.0676
10:12:14	256.90	4.07	462.03	147.74	86.69	75.85	934.58	23.8965	25.2965	20.4676	4.0099	11.1554	270.4201	2.0732
10:12:15	256.90	4.00	461.54	139.19	84.25	76.10	934.58	20.5510	21.7280	20.4676	4.0129	11.1644	271.1467	2.0789
10:12:16	256.90	3.98	461.54	139.19	84.25	76.10	934.58	20.5510	21.7280	20.4676	4.0160	11.1734	271.8733	2.0846
10:12:17	267.28	3.92	461.54	133.09	83.03	75.85	937.12	19.2765	20.3658	20.4676	4.0188	11.1819	272.5903	2.0903
10:12:18	267.28	3.92	461.54	133.09	83.03	75.85	937.12	18.1614	19.1697	20.4676	4.0215	11.1898	273.2950	2.0960
10:12:19	267.40	3.89	478.63	133.09	83.03	76.10	938.64	18.1614	19.1627	20.4676	4.0242	11.1978	273.9948	2.1017
10:12:20	267.28	3.83	478.63	140.42	83.03	76.10	943.73	17.3648	18.3084	20.4676	4.0269	11.2054	274.6843	2.1074
10:12:21	267.40	3.80	478.63	140.42	83.03	76.10	943.73	17.3648	18.3084	20.4676	4.0296	11.2130	275.3739	2.1130

10:12:22	267.28	3.79	478.63	135.53	81.81	76.34	665.59	17.3648	18.3027	20.4676	4.0323	11.2209	276.0592	2.1187
10:12:23	267.28	3.79	478.63	119.66	75.70	76.34	722.03	18.3207	19.2952	20.5807	4.0351	11.2292	276.7381	2.1244
10:12:24	267.28	3.79	478.63	112.33	74.48	76.10	706.78	18.3207	19.2872	20.5807	4.0379	11.2375	277.4113	2.1302
10:12:25	267.28	3.79	478.14	106.23	72.04	76.34	692.54	17.6834	18.6134	15.8313	4.0406	11.2455	277.9277	2.1346
10:12:26	267.40	3.81	478.14	105.01	70.82	75.61	696.61	15.6124	16.4335	10.6296	4.0430	11.2526	278.2743	2.1375
10:12:27	267.40	3.81	478.14	105.01	70.82	75.61	696.61	14.6565	15.4273	8.3680	4.0453	11.2592	278.5472	2.1398
10:12:28	294.75	3.88	494.26	101.34	67.16	75.61	682.88	13.8600	14.5889	5.0886	4.0474	11.2655	278.7132	2.1412
10:12:29	294.75	3.88	494.26	101.34	67.16	75.61	682.88	13.7007	14.4257	3.1663	4.0496	11.2717	278.8171	2.1421
10:12:30	294.87	3.96	494.26	101.34	64.71	76.34	680.85	13.7007	14.4257	3.1663	4.0517	11.2779	278.9210	2.1430
10:12:31	294.87	4.01	494.26	102.56	64.71	76.34	682.37	13.2227	13.9347	0.7916	4.0539	11.2841	278.9474	2.1432
10:12:32	294.75	4.01	494.26	102.56	64.71	76.34	682.37	13.2227	13.9347	0.7916	4.0562	11.2903	278.9738	2.1434
10:12:33	294.87	4.09	494.26	103.79	63.49	76.10	682.37	13.2227	13.9506	0.1131	4.0584	11.2965	278.9776	2.1435
								13.3820	14.1275	0.1131	4.0607	11.3028	278.9815	2.1435
								13.3820	14.1275	0.1131	4.0630	11.3090	278.9854	2.1435
								13.5413	14.3112	0.1131	4.0653	11.3154	278.9894	2.1436

09-MAY-93 11:35 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number : 1055
Test options: Dilute Modal Bag Diesel Auxiliary data Second by Second Data Particulate sampling Smoke meter

TEST TIME (s)	--DILUTE CONCENTRATIONS-- HC (PPM)	CO (PPM)	NOx (PPM)	CO2 (%)	--------MODAL GRAMS-------- HC	CO	NOx	CO2	EXH VOL (Cu.f)	DIL. RATIO	A/F RATIO	DRIV. VIOL. (s)	DIST-ANCE (Mi)	SPEED	FUEL Mpg-US Gal/Hr	SMOKE MTR (%)	----AUXILIARY SIGNALS---- OIL			
0 DL	4.8	4.6	13.0	0.12	0.004	0.007	0.03	3.11	48.45	79.21	24.20	0.0	0.000	0.0	1.11	3.35	181.8	0.0	0.0	0.0
1 DL	4.8	4.6	13.1	0.13	0.004	0.007	0.03	3.18	48.45	77.78	24.05	0.0	0.000	0.0	1.13	3.25	181.8	0.0	0.0	0.0
2 DL	4.7	4.6	13.2	0.13	0.004	0.007	0.03	3.24	48.44	76.75	23.93	0.0	0.000	0.0	1.15	3.32	181.8	0.0	0.0	0.0
3 DL	4.7	4.7	13.2	0.13	0.004	0.007	0.03	3.27	48.44	76.20	23.88	0.0	0.000	0.0	1.17	3.47	181.9	0.0	0.0	0.0
4 DL	4.7	4.7	13.2	0.13	0.004	0.007	0.03	3.30	48.45	75.75	23.83	0.0	0.000	0.0	1.18	3.35	182.0	0.0	0.0	0.0
5 DL	4.7	4.7	13.1	0.13	0.004	0.007	0.03	3.33	48.44	75.17	23.77	0.0	0.000	0.0	1.19	3.38	182.0	0.0	0.0	0.0
6 DL	4.6	4.8	13.2	0.13	0.004	0.008	0.03	3.36	48.44	74.78	23.72	0.0	0.000	0.0	1.20	3.38	182.0	0.0	0.0	0.0
7 DL	4.6	4.8	13.2	0.13	0.004	0.008	0.03	3.37	48.43	74.56	23.70	0.0	0.000	0.0	1.20	3.41	182.0	0.0	0.0	0.0
8 DL	4.6	4.8	13.3	0.13	0.004	0.008	0.03	3.38	48.43	74.33	23.68	0.0	0.000	0.0	1.20	3.39	181.9	0.0	0.0	0.0
9 DL	4.6	4.8	13.3	0.14	0.004	0.008	0.03	3.40	48.44	74.05	23.65	0.0	0.000	0.0	1.21	3.31	181.9	0.0	0.0	0.0
10 DL	4.6	4.7	13.3	0.14	0.004	0.008	0.03	3.42	48.44	73.81	23.62	0.0	0.000	0.0	1.22	3.22	181.9	0.0	0.0	0.0
11 DL	4.6	4.7	13.2	0.14	0.004	0.008	0.03	3.42	48.43	73.71	23.61	0.0	0.000	0.0	1.22	3.38	182.0	0.0	0.0	0.0
12 DL	4.6	4.7	13.2	0.14	0.004	0.008	0.03	3.42	48.44	73.69	23.61	0.0	0.000	0.0	1.22	3.35	182.0	0.0	0.0	0.0
13 DL	4.6	4.7	13.2	0.14	0.004	0.007	0.03	3.43	48.44	73.67	23.61	0.0	0.000	0.0	1.22	3.31	182.0	0.0	0.0	0.0
14 DL	4.6	4.6	13.2	0.14	0.004	0.007	0.03	3.43	48.44	73.67	23.61	0.0	0.000	0.0	1.22	3.23	182.0	0.0	0.0	0.0
15 DL	4.6	4.7	13.3	0.14	0.004	0.008	0.03	3.43	48.44	73.65	23.61	0.0	0.000	0.0	1.22	3.13	182.0	0.0	0.0	0.0
16 DL	4.6	4.7	13.3	0.14	0.004	0.007	0.03	3.43	48.43	73.55	23.60	0.0	0.000	0.0	1.22	3.38	182.0	0.0	0.0	0.0
17 DL	4.6	4.7	13.4	0.14	0.004	0.007	0.04	3.44	48.43	73.41	23.58	0.0	0.000	0.0	1.22	3.41	182.1	0.0	0.0	0.0
18 DL	4.6	4.7	13.3	0.14	0.004	0.008	0.03	3.44	48.44	73.37	23.58	0.0	0.000	0.0	1.23	3.22	182.1	0.0	0.0	0.0
19 DL	4.6	5.0	13.7	0.14	0.004	0.008	0.04	3.45	48.43	73.20	23.56	0.0	0.000	0.0	1.23	3.20	182.1	0.0	0.0	0.0
20 DL	4.7	6.0	15.5	0.14	0.004	0.010	0.04	3.53	48.44	71.96	23.43	0.0	0.000	1.4	1.01	3.13	182.1	0.0	0.0	0.0
21 DL	5.0	9.2	19.8	0.15	0.004	0.015	0.05	3.80	48.44	68.01	23.02	0.0	0.001	3.6	2.64	3.67	182.1	0.0	0.0	0.0
22 DL	5.6	19.2	27.6	0.18	0.004	0.031	0.07	4.40	48.44	60.42	22.28	0.0	0.001	4.6	2.85	6.01	182.2	0.0	0.0	0.0
23 DL	6.9	44.5	37.8	0.22	0.005	0.071	0.10	5.59	48.43	49.52	21.28	0.0	0.002	6.2	3.01	8.59	182.2	0.0	0.0	0.0
24 DL	8.6	84.7	49.2	0.30	0.007	0.135	0.13	7.59	48.43	37.92	20.33	0.0	0.002	7.9	2.82	13.80	182.2	0.0	0.0	0.0
25 DL	10.2	128.2	64.8	0.41	0.008	0.205	0.17	10.29	48.43	28.84	19.65	0.0	0.003	9.7	2.55	17.22	182.3	0.0	0.0	0.0
26 DL	11.9	158.7	94.3	0.54	0.009	0.253	0.25	13.67	48.43	22.28	19.19	0.0	0.003	11.8	2.34	17.93	182.3	0.0	0.0	0.0
27 DL	13.5	164.4	139.0	0.72	0.011	0.263	0.36	18.00	48.43	17.32	18.86	0.0	0.004	14.8	2.25	17.50	182.2	0.0	0.0	0.0
28 DL	15.0	149.6	177.1	0.91	0.012	0.239	0.46	22.71	48.41	13.95	18.65	0.0	0.005	17.3	2.10	13.60	182.1	0.0	0.0	0.0
29 DL	16.1	125.5	187.6	1.07	0.013	0.200	0.49	26.85	48.39	11.91	18.52	0.0	0.005	19.3	2.00	10.10	182.1	0.0	0.0	0.0
30 DL	15.9	100.0	153.5	1.15	0.013	0.159	0.40	28.78	48.36	11.16	18.48	0.0	0.006	20.6	2.00	7.53	182.2	0.0	0.0	0.0
31 DL	14.6	78.0	102.7	1.08	0.012	0.124	0.27	27.00	48.33	11.89	18.52	0.0	0.006	20.7	2.16	4.81	182.3	0.0	0.0	0.0
32 DL	12.9	60.2	64.6	0.91	0.010	0.096	0.17	22.88	48.34	13.96	18.66	0.0	0.006	19.9	2.43	3.16	182.4	0.0	0.0	0.0
33 DL	11.4	46.3	44.1	0.74	0.009	0.074	0.12	18.58	48.34	17.02	18.86	0.0	0.006	20.2	3.05	2.44	182.5	0.0	0.0	0.0
34 DL	10.3	36.5	34.8	0.60	0.008	0.058	0.09	15.12	48.36	20.64	19.11	0.0	0.006	20.2	3.76	2.59	182.6	0.0	0.0	0.0
35 DL	9.5	30.2	28.5	0.50	0.007	0.048	0.07	12.61	48.36	24.40	19.37	0.0	0.006	19.8	4.42	2.84	182.7	0.0	0.0	0.0
36 DL	8.9	25.8	22.7	0.43	0.007	0.041	0.06	10.79	48.36	28.11	19.63	0.0	0.006	19.9	5.17	2.42	182.9	0.0	0.0	0.0
37 DL	8.5	22.0	19.4	0.38	0.007	0.035	0.05	9.41	48.36	31.78	19.90	0.0	0.006	19.8	5.92	2.07	183.0	0.0	0.0	0.0
38 DL	8.3	18.5	18.5	0.33	0.007	0.030	0.05	8.35	48.37	35.32	20.17	0.0	0.006	19.9	6.67	2.16	183.1	0.0	0.0	0.0
39 DL	8.1	15.8	18.8	0.30	0.006	0.025	0.05	7.51	48.37	38.78	20.44	0.0	0.006	19.9	7.43	2.28	183.3	0.0	0.0	0.0
40 DL	8.0	14.1	19.4	0.27	0.006	0.023	0.05	6.87	48.37	41.85	20.68	0.0	0.006	19.9	8.13	2.45	183.4	0.0	0.0	0.0
41 DL	7.9	13.2	20.2	0.26	0.006	0.021	0.05	6.50	48.37	43.86	20.85	0.0	0.006	20.0	8.62	2.52	183.4	0.0	0.0	0.0
42 DL	7.7	12.5	21.1	0.25	0.006	0.020	0.06	6.34	48.37	44.78	20.92	0.0	0.006	20.0	8.86	2.68	183.4	0.0	0.0	0.0
43 DL	7.5	11.7	22.1	0.25	0.006	0.019	0.06	6.28	48.37	45.20	20.96	0.0	0.006	20.1	8.98	2.83	183.4	0.0	0.0	0.0
44 DL	7.4	10.9	22.8	0.25	0.006	0.017	0.06	6.22	48.38	45.58	20.99	0.0	0.006	20.2	9.10	3.00	183.5	0.0	0.0	0.0
45 DL	7.3	10.1	23.2	0.25	0.006	0.016	0.06	6.16	48.38	45.93	21.02	0.0	0.006	20.2	9.20	3.07	183.5	0.0	0.0	0.0

46	DL	7.1	9.7	23.4	0.24	0.006	0.016	0.06	6.11	48.37	46.27	21.05	0.0	0.006	20.3	9.31	2.93	183.5	0.0	0.0	0.0
47	DL	7.0	9.5	23.3	0.24	0.006	0.015	0.06	6.09	48.38	46.41	21.06	0.0	0.006	20.3	9.37	2.98	183.5	0.0	0.0	0.0
48	DL	6.9	9.0	22.7	0.24	0.005	0.014	0.06	6.07	48.37	46.53	21.07	0.0	0.006	20.3	9.39	2.97	183.6	0.0	0.0	0.0
49	DL	6.8	8.2	20.6	0.24	0.005	0.013	0.05	5.95	48.37	47.37	21.14	0.0	0.005	18.3	8.75	2.84	183.6	0.0	0.0	0.0
50	DL	6.6	7.4	17.2	0.22	0.005	0.012	0.04	5.60	48.38	49.81	21.35	0.0	0.004	14.2	7.18	2.57	183.6	0.0	0.0	0.0
51	DL	6.5	7.3	13.0	0.20	0.005	0.012	0.03	5.04	48.39	54.33	21.74	0.0	0.003	9.9	5.62	1.95	183.6	0.0	0.0	0.0
52	DL	6.4	7.1	11.0	0.18	0.005	0.011	0.03	4.45	48.39	60.13	22.26	0.0	0.002	6.1	4.01	2.35	183.7	0.0	0.0	0.0
53	DL	6.3	6.7	9.9	0.16	0.005	0.011	0.03	4.02	48.39	65.11	22.74	0.0	0.001	2.8	2.03	3.02	183.8	0.0	0.0	0.0
54	DL	6.1	6.3	10.2	0.15	0.005	0.010	0.03	3.73	48.39	68.98	23.12	0.0	0.000	1.2	0.97	2.86	183.8	0.0	0.0	0.0
55	DL	5.9	6.0	11.4	0.14	0.005	0.010	0.03	3.57	48.38	71.33	23.36	0.0	0.000	0.2	0.17	3.18	183.8	0.0	0.0	0.0
56	DL	5.8	5.8	12.5	0.14	0.005	0.009	0.03	3.50	48.39	72.37	23.47	0.0	0.000	0.2	0.14	3.34	183.8	0.0	0.0	0.0
57	DL	5.6	5.7	13.3	0.14	0.004	0.009	0.03	3.50	48.39	72.33	23.47	0.0	0.000	0.2	0.13	3.83	183.8	0.0	0.0	0.0
58	DL	5.4	5.8	14.0	0.14	0.004	0.009	0.04	3.54	48.39	71.77	23.41	0.0	0.000	0.0	0.01	3.91	183.8	0.0	0.0	0.0
59	DL	5.3	6.4	14.8	0.14	0.004	0.010	0.04	3.59	48.40	70.94	23.32	0.0	0.000	0.0	1.28	3.87	183.9	0.0	0.0	0.0
60	DL	5.4	11.9	17.9	0.15	0.004	0.019	0.05	3.74	48.40	68.67	23.09	0.0	0.000	1.2	0.67	3.73	183.9	0.0	0.0	0.0
61	DL	5.9	28.1	25.5	0.17	0.005	0.045	0.07	4.27	48.41	61.63	22.38	0.0	0.001	4.3	2.74	4.75	183.9	0.0	0.0	0.0
62	DL	6.6	54.9	37.2	0.22	0.005	0.088	0.10	5.55	48.41	49.64	21.28	0.0	0.002	5.7	2.80	14.44	183.9	0.0	0.0	0.0
63	DL	7.3	91.9	49.9	0.30	0.006	0.147	0.13	7.49	48.41	38.22	20.35	0.0	0.002	7.5	2.70	20.95	183.9	0.0	0.0	0.0
64	DL	8.2	135.3	65.2	0.40	0.006	0.216	0.17	9.97	48.41	29.59	19.70	0.0	0.003	9.3	2.51	19.77	183.9	0.0	0.0	0.0
65	DL	9.4	166.2	91.1	0.53	0.007	0.265	0.24	13.33	48.41	22.77	19.22	0.0	0.003	11.4	2.32	18.54	183.9	0.0	0.0	0.0
66	DL	10.9	168.8	127.6	0.70	0.009	0.269	0.33	17.68	48.40	17.59	18.87	0.0	0.004	13.7	2.11	16.57	183.8	0.0	0.0	0.0
67	DL	12.1	150.2	153.6	0.87	0.010	0.239	0.40	21.73	48.38	14.51	18.68	0.0	0.005	16.4	2.08	12.14	183.8	0.0	0.0	0.0
68	DL	13.0	127.7	155.2	0.98	0.010	0.204	0.41	24.44	48.36	13.01	18.59	0.0	0.005	17.9	2.04	7.70	183.8	0.0	0.0	0.0
69	DL	13.8	107.5	142.9	1.03	0.011	0.171	0.37	25.88	48.36	12.34	18.55	0.0	0.005	19.2	2.07	5.48	183.9	0.0	0.0	0.0
70	DL	13.7	87.5	113.9	1.04	0.011	0.139	0.30	25.99	48.34	12.31	18.55	0.0	0.006	20.1	2.16	4.79	184.1	0.0	0.0	0.0
71	DL	12.9	68.7	79.9	0.96	0.010	0.109	0.21	23.93	48.32	13.34	18.62	0.0	0.006	20.5	2.40	3.60	184.1	0.0	0.0	0.0
72	DL	11.8	52.7	53.9	0.82	0.009	0.084	0.14	20.43	48.33	15.54	18.76	0.0	0.005	19.5	2.68	2.67	184.1	0.0	0.0	0.0
73	DL	10.7	41.0	37.5	0.67	0.008	0.065	0.10	16.67	48.34	18.85	18.98	0.0	0.005	19.8	3.33	2.16	184.2	0.0	0.0	0.0
74	DL	9.9	33.8	30.7	0.54	0.008	0.054	0.08	13.61	48.36	22.74	19.25	0.0	0.006	19.9	4.11	2.38	184.2	0.0	0.0	0.0
75	DL	9.2	28.7	28.6	0.47	0.007	0.046	0.07	11.68	48.36	26.14	19.49	0.0	0.006	20.0	4.81	2.94	184.3	0.0	0.0	0.0
76	DL	8.8	24.5	28.0	0.42	0.007	0.039	0.07	10.48	48.36	28.82	19.69	0.0	0.006	20.1	5.39	3.26	184.5	0.0	0.0	0.0
77	DL	8.4	21.0	27.7	0.38	0.007	0.033	0.07	9.54	48.36	31.38	19.87	0.0	0.006	20.2	5.95	3.36	184.6	0.0	0.0	0.0
78	DL	8.2	18.4	26.6	0.35	0.006	0.029	0.07	8.77	48.37	33.84	20.06	0.0	0.006	20.1	6.44	3.23	184.8	0.0	0.0	0.0
79	DL	8.0	16.4	24.3	0.33	0.006	0.026	0.06	8.16	48.37	36.06	20.23	0.0	0.006	20.1	6.91	2.84	184.9	0.0	0.0	0.0
80	DL	7.9	14.5	22.4	0.30	0.006	0.023	0.06	7.64	48.37	38.20	20.40	0.0	0.006	20.1	7.40	2.54	184.9	0.0	0.0	0.0
81	DL	7.8	12.7	21.5	0.29	0.006	0.020	0.06	7.15	48.38	40.47	20.57	0.0	0.006	20.1	7.90	2.49	184.9	0.0	0.0	0.0
82	DL	7.7	11.5	21.1	0.27	0.006	0.018	0.06	6.71	48.38	42.73	20.76	0.0	0.006	20.2	8.44	2.51	185.0	0.0	0.0	0.0
83	DL	7.6	10.8	21.1	0.26	0.006	0.017	0.06	6.41	48.38	44.44	20.90	0.0	0.006	20.2	8.84	2.57	185.0	0.0	0.0	0.0
84	DL	7.5	10.1	21.3	0.25	0.006	0.016	0.06	6.25	48.38	45.42	20.98	0.0	0.006	20.2	9.08	2.65	185.1	0.0	0.0	0.0
85	DL	7.4	9.4	21.3	0.24	0.006	0.015	0.06	6.12	48.39	46.21	21.04	0.0	0.006	20.2	9.28	2.67	185.1	0.0	0.0	0.0
86	DL	7.4	8.8	21.3	0.24	0.006	0.014	0.06	5.98	48.39	47.14	21.12	0.0	0.006	20.2	9.48	2.68	185.1	0.0	0.0	0.0
87	DL	7.3	8.3	20.5	0.23	0.006	0.013	0.05	5.84	48.40	48.09	21.20	0.0	0.006	20.1	9.68	2.56	185.1	0.0	0.0	0.0
88	DL	7.3	7.7	19.3	0.23	0.006	0.012	0.05	5.70	48.41	49.11	21.29	0.0	0.006	20.1	9.91	2.44	185.1	0.0	0.0	0.0
89	DL	7.1	7.1	17.3	0.22	0.006	0.011	0.05	5.50	48.41	50.59	21.41	0.0	0.005	18.8	9.72	2.33	185.2	0.0	0.0	0.0
90	DL	7.0	6.6	14.7	0.21	0.006	0.011	0.04	5.16	48.40	53.36	21.65	0.0	0.004	14.3	7.88	2.31	185.3	0.0	0.0	0.0
91	DL	6.9	6.4	11.5	0.18	0.005	0.010	0.03	4.63	48.41	58.21	22.09	0.0	0.003	9.2	5.74	1.82	185.3	0.0	0.0	0.0
92	DL	6.8	6.2	10.2	0.16	0.005	0.010	0.03	4.07	48.41	64.43	22.67	0.0	0.002	5.5	3.93	2.36	185.4	0.0	0.0	0.0
93	DL	6.6	6.0	10.0	0.15	0.005	0.010	0.03	3.70	48.41	69.33	23.16	0.0	0.001	2.6	2.02	2.85	185.4	0.0	0.0	0.0
94	DL	6.4	5.7	10.6	0.14	0.005	0.009	0.03	3.50	48.41	72.35	23.47	0.0	0.000	1.2	0.99	2.92	185.4	0.0	0.0	0.0
95	DL	6.2	5.4	11.5	0.14	0.005	0.009	0.03	3.40	48.41	73.91	23.63	0.0	0.000	0.2	0.19	3.36	185.5	0.0	0.0	0.0
96	DL	6.0	5.2	12.5	0.13	0.005	0.008	0.03	3.36	48.42	74.68	23.71	0.0	0.000	0.0	0.01	3.47	185.6	0.0	0.0	0.0
97	DL	5.9	5.2	13.3	0.13	0.005	0.008	0.03	3.36	48.42	74.64	23.71	0.0	0.000	0.0	1.20	3.62	185.6	0.0	0.0	0.0
98	DL	5.7	5.2	13.8	0.14	0.005	0.008	0.04	3.40	48.42	73.95	23.64	0.0	0.000	0.0	1.21	3.72	185.7	0.0	0.0	0.0
99	DL	5.6	5.8	14.6	0.14	0.004	0.009	0.04	3.46	48.43	73.02	23.54	0.0	0.000	0.0	1.23	3.65	185.7	0.0	0.0	0.0
100	DL	5.7	9.8	18.0	0.14	0.004	0.016	0.05	3.61	48.43	70.53	23.28	0.0	0.000	1.1	0.71	3.62	185.7	0.0	0.0	0.0
101	DL	6.1	20.1	25.9	0.17	0.005	0.032	0.07	4.14	48.44	63.34	22.55	0.0	0.001	4.3	2.82	4.41	185.7	0.0	0.0	0.0
102	DL	6.8	37.2	37.0	0.21	0.005	0.059	0.10	5.29	48.44	51.86	21.49	0.0	0.002	5.6	2.90	10.19	185.8	0.0	0.0	0.0
103	DL	7.6	63.3	48.4	0.28	0.006	0.101	0.13	6.99	48.44	40.84	20.57	0.0	0.002	7.2	2.82	15.32	185.9	0.0	0.0	0.0
104	DL	8.6	97.6	61.4	0.37	0.007	0.156	0.16	9.19	48.44	32.02	19.89	0.0	0.002	8.9	2.65	14.98	185.9	0.0	0.0	0.0

105 DL	9.9	124.4	82.7	0.49	0.008	0.199	0.22	12.19	48.44	24.85	19.37	0.0	0.003	10.9	2.44	14.67	185.9	0.0	0.0	0.0
106 DL	11.4	127.7	113.6	0.64	0.009	0.204	0.30	16.18	48.43	19.21	18.99	0.0	0.003	12.6	2.13	13.15	185.9	0.0	0.0	0.0
107 DL	12.7	114.6	140.4	0.80	0.010	0.183	0.37	20.15	48.43	15.65	18.76	0.0	0.004	15.7	2.15	10.90	185.9	0.0	0.0	0.0
108 DL	13.7	99.4	152.3	0.91	0.011	0.159	0.40	22.92	48.39	13.86	18.65	0.0	0.005	17.4	2.11	7.28	185.9	0.0	0.0	0.0
109 DL	14.6	84.7	153.0	0.99	0.012	0.135	0.40	24.75	48.39	12.91	18.59	0.0	0.005	19.0	2.14	5.33	186.1	0.0	0.0	0.0
110 DL	15.0	69.0	134.3	1.03	0.012	0.110	0.35	25.76	48.38	12.43	18.56	0.0	0.006	20.2	2.19	5.00	186.3	0.0	0.0	0.0
111 DL	14.3	54.8	100.5	0.99	0.011	0.087	0.26	24.80	48.36	12.92	18.59	0.0	0.006	21.2	2.40	4.16	186.3	0.0	0.0	0.0
112 DL	13.1	43.5	68.7	0.87	0.010	0.069	0.18	21.77	48.35	14.65	18.71	0.0	0.006	19.9	2.58	3.22	186.3	0.0	0.0	0.0
113 DL	11.8	34.7	44.8	0.73	0.009	0.055	0.12	18.19	48.36	17.38	18.89	0.0	0.006	19.9	3.08	2.29	186.5	0.0	0.0	0.0
114 DL	10.9	27.7	31.9	0.60	0.009	0.044	0.08	15.00	48.38	20.83	19.12	0.0	0.006	20.0	3.76	2.15	186.6	0.0	0.0	0.0
115 DL	10.1	22.2	26.4	0.50	0.008	0.035	0.07	12.46	48.38	24.72	19.39	0.0	0.006	20.0	4.52	2.29	186.7	0.0	0.0	0.0
116 DL	9.6	18.5	24.3	0.42	0.008	0.029	0.06	10.52	48.39	28.80	19.68	0.0	0.006	20.1	5.36	2.54	186.9	0.0	0.0	0.0
117 DL	9.2	16.2	23.4	0.37	0.007	0.026	0.06	9.19	48.38	32.49	19.96	0.0	0.006	20.1	6.14	2.73	187.0	0.0	0.0	0.0
118 DL	9.0	14.7	23.2	0.33	0.007	0.023	0.06	8.37	48.37	35.27	20.17	0.0	0.006	20.1	6.75	2.74	187.2	0.0	0.0	0.0
119 DL	8.8	13.4	23.2	0.31	0.007	0.021	0.06	7.86	48.39	37.28	20.32	0.0	0.006	20.1	7.20	2.80	187.3	0.0	0.0	0.0
120 DL	8.6	11.9	23.1	0.30	0.007	0.019	0.06	7.45	48.38	39.07	20.46	0.0	0.006	20.2	7.60	2.78	187.4	0.0	0.0	0.0
121 DL	8.5	10.6	22.7	0.28	0.007	0.017	0.06	7.04	48.39	41.03	20.62	0.0	0.006	20.1	8.04	2.61	187.5	0.0	0.0	0.0
122 DL	8.3	9.8	22.2	0.27	0.007	0.016	0.06	6.65	48.39	43.06	20.78	0.0	0.006	20.1	8.50	2.58	187.5	0.0	0.0	0.0
123 DL	8.2	9.2	21.7	0.25	0.007	0.015	0.06	6.37	48.39	44.71	20.92	0.0	0.006	20.2	8.89	2.58	187.6	0.0	0.0	0.0
124 DL	8.1	8.9	21.5	0.25	0.006	0.014	0.06	6.20	48.40	45.75	21.00	0.0	0.006	20.2	9.14	2.54	187.6	0.0	0.0	0.0
125 DL	8.0	8.5	21.8	0.24	0.006	0.014	0.06	6.10	48.39	46.39	21.06	0.0	0.006	20.2	9.31	2.57	187.6	0.0	0.0	0.0
126 DL	8.0	8.0	22.1	0.24	0.006	0.013	0.06	6.01	48.39	46.95	21.11	0.0	0.006	20.3	9.47	2.70	187.6	0.0	0.0	0.0
127 DL	7.9	7.7	22.4	0.24	0.006	0.012	0.06	5.92	48.40	47.53	21.15	0.0	0.006	20.3	9.63	2.78	187.7	0.0	0.0	0.0
128 DL	7.8	7.4	22.4	0.23	0.006	0.012	0.06	5.85	48.40	48.04	21.20	0.0	0.006	20.4	9.79	2.91	187.7	0.0	0.0	0.0
129 DL	7.7	7.1	20.9	0.23	0.006	0.011	0.05	5.75	48.40	48.72	21.25	0.0	0.005	18.6	9.19	2.93	187.8	0.0	0.0	0.0
130 DL	7.4	6.8	17.9	0.22	0.006	0.011	0.05	5.52	48.40	50.44	21.40	0.0	0.004	14.3	7.39	2.81	187.8	0.0	0.0	0.0
131 DL	7.3	6.6	13.9	0.20	0.006	0.010	0.04	5.09	48.41	53.94	21.70	0.0	0.003	9.7	5.48	2.10	187.8	0.0	0.0	0.0
132 DL	7.2	6.2	12.0	0.18	0.006	0.010	0.03	4.54	48.40	59.19	22.18	0.0	0.002	6.1	3.86	2.57	187.8	0.0	0.0	0.0
133 DL	7.0	5.9	11.1	0.16	0.006	0.009	0.03	4.04	48.42	64.82	22.71	0.0	0.001	2.9	2.08	2.99	187.8	0.0	0.0	0.0
134 DL	6.8	5.6	11.3	0.15	0.005	0.009	0.03	3.68	48.42	69.68	23.19	0.0	0.000	1.4	1.09	3.01	187.8	0.0	0.0	0.0
135 DL	6.5	5.5	12.3	0.14	0.005	0.009	0.03	3.52	48.41	72.01	23.43	0.0	0.000	0.4	0.33	3.53	187.9	0.0	0.0	0.0
136 DL	6.4	5.5	13.4	0.14	0.005	0.009	0.04	3.51	48.42	72.29	23.46	0.0	0.000	0.0	0.03	3.56	187.9	0.0	0.0	0.0
137 DL	6.2	5.4	14.4	0.14	0.005	0.009	0.04	3.55	48.41	71.63	23.40	0.0	0.000	0.0	1.26	3.56	188.0	0.0	0.0	0.0
138 DL	6.0	5.3	14.9	0.14	0.005	0.009	0.04	3.59	48.42	71.02	23.33	0.0	0.000	0.0	1.28	3.74	188.0	0.0	0.0	0.0
139 DL	5.9	5.9	15.8	0.14	0.005	0.009	0.04	3.63	48.42	70.47	23.28	0.0	0.000	0.0	1.29	3.80	188.0	0.0	0.0	0.0
140 DL	6.0	10.5	19.3	0.15	0.005	0.017	0.05	3.77	48.42	68.25	23.05	0.0	0.000	1.3	0.76	3.81	188.1	0.0	0.0	0.0
141 DL	6.5	21.8	26.8	0.17	0.005	0.035	0.07	4.28	48.43	61.63	22.39	0.0	0.001	4.3	2.74	4.99	188.0	0.0	0.0	0.0
142 DL	7.2	40.3	37.5	0.21	0.006	0.064	0.10	5.40	48.43	50.98	21.41	0.0	0.002	5.6	2.84	10.60	188.1	0.0	0.0	0.0
143 DL	7.9	68.8	49.1	0.28	0.006	0.110	0.13	7.08	48.43	40.35	20.53	0.0	0.002	7.2	2.75	15.83	188.1	0.0	0.0	0.0
144 DL	8.8	106.4	61.8	0.37	0.007	0.170	0.16	9.34	48.43	31.52	19.85	0.0	0.002	8.9	2.57	16.13	188.1	0.0	0.0	0.0
145 DL	9.8	136.5	81.8	0.49	0.008	0.218	0.21	12.35	48.43	24.50	19.34	0.0	0.003	10.7	2.37	15.67	188.0	0.0	0.0	0.0
146 DL	11.1	141.2	107.4	0.64	0.009	0.225	0.28	16.18	48.43	19.15	18.98	0.0	0.003	12.6	2.14	14.40	187.9	0.0	0.0	0.0
147 DL	12.1	132.9	124.0	0.78	0.010	0.212	0.33	19.64	48.42	15.98	18.78	0.0	0.004	15.2	2.13	10.98	187.8	0.0	0.0	0.0
148 DL	13.3	126.4	143.6	0.88	0.010	0.202	0.38	21.97	48.40	14.39	18.68	0.0	0.005	16.7	2.10	6.92	187.8	0.0	0.0	0.0
149 DL	14.3	112.5	161.7	0.97	0.011	0.180	0.42	24.42	48.41	13.05	18.59	0.0	0.005	18.9	2.15	7.91	187.9	0.0	0.0	0.0
150 DL	14.5	90.0	143.2	1.05	0.011	0.143	0.38	26.25	48.38	12.19	18.54	0.0	0.006	20.2	2.15	8.46	188.0	0.0	0.0	0.0
151 DL	13.8	68.6	100.5	1.00	0.011	0.109	0.26	25.13	48.34	12.74	18.58	0.0	0.006	20.6	2.30	6.40	188.0	0.0	0.0	0.0
152 DL	12.6	53.2	64.1	0.86	0.010	0.085	0.17	21.47	48.34	14.84	18.72	0.0	0.005	19.6	2.56	3.99	188.0	0.0	0.0	0.0
153 DL	11.4	43.1	44.7	0.70	0.009	0.069	0.12	17.64	48.35	17.86	18.92	0.0	0.006	20.1	3.19	2.84	188.1	0.0	0.0	0.0
154 DL	10.5	35.9	36.9	0.59	0.008	0.057	0.10	14.84	48.36	20.97	19.13	0.0	0.006	20.2	3.82	3.05	188.1	0.0	0.0	0.0
155 DL	9.8	29.5	32.5	0.52	0.008	0.047	0.09	12.91	48.37	23.86	19.33	0.0	0.006	20.0	4.36	3.42	188.1	0.0	0.0	0.0
156 DL	9.3	23.8	26.6	0.45	0.007	0.038	0.07	11.25	48.37	27.08	19.56	0.0	0.005	19.7	4.92	3.12	188.3	0.0	0.0	0.0
157 DL	9.0	19.8	20.9	0.38	0.007	0.032	0.05	9.60	48.38	31.25	19.86	0.0	0.005	19.8	5.78	2.48	188.4	0.0	0.0	0.0
158 DL	8.8	17.2	18.6	0.33	0.007	0.027	0.05	8.26	48.38	35.68	20.20	0.0	0.005	19.7	6.71	2.18	188.5	0.0	0.0	0.0
159 DL	8.7	15.4	18.5	0.30	0.007	0.025	0.05	7.44	48.38	39.07	20.46	0.0	0.005	19.7	7.45	2.36	188.6	0.0	0.0	0.0
160 DL	8.6	13.8	19.0	0.28	0.007	0.022	0.05	6.96	48.38	41.37	20.65	0.0	0.005	19.8	7.98	2.42	188.8	0.0	0.0	0.0
161 DL	8.5	12.2	19.9	0.26	0.007	0.019	0.05	6.62	48.39	43.20	20.79	0.0	0.006	19.8	8.41	2.59	188.8	0.0	0.0	0.0
162 DL	8.4	10.9	20.8	0.25	0.007	0.017	0.05	6.33	48.39	44.93	20.94	0.0	0.006	19.9	8.82	2.64	188.9	0.0	0.0	0.0
163 DL	8.3	10.2	21.6	0.24	0.007	0.016	0.06	6.09	48.38	46.37	21.06	0.0	0.006	19.9	9.19	2.71	188.9	0.0	0.0	0.0

164 DL	8.2	9.9	21.9	0.24	0.006	0.016	0.06	5.98	48.39	47.12	21.12	0.0	0.006	20.0	9.38	2.84	188.9	0.0	0.0	0.0
165 DL	8.1	9.5	22.0	0.24	0.006	0.015	0.06	5.95	48.39	47.33	21.14	0.0	0.006	20.0	9.43	2.85	188.9	0.0	0.0	0.0
166 DL	8.0	9.2	22.0	0.24	0.006	0.015	0.06	5.93	48.39	47.46	21.15	0.0	0.006	20.0	9.49	2.88	188.9	0.0	0.0	0.0
167 DL	7.9	8.7	22.2	0.24	0.006	0.014	0.06	5.90	48.39	47.68	21.17	0.0	0.006	20.1	9.57	2.87	189.0	0.0	0.0	0.0
168 DL	7.8	8.1	22.0	0.23	0.006	0.013	0.06	5.84	48.40	48.09	21.20	0.0	0.006	20.1	9.68	2.89	189.0	0.0	0.0	0.0
169 DL	7.6	7.6	20.3	0.23	0.006	0.012	0.05	5.72	48.40	48.97	21.28	0.0	0.005	18.7	9.31	2.87	189.0	0.0	0.0	0.0
170 DL	7.4	7.3	17.3	0.22	0.006	0.012	0.05	5.46	48.39	50.91	21.44	0.0	0.004	13.8	7.21	2.67	189.0	0.0	0.0	0.0
171 DL	7.3	7.0	13.5	0.20	0.006	0.011	0.04	5.03	48.40	54.47	21.75	0.0	0.003	9.0	5.14	2.19	189.2	0.0	0.0	0.0
172 DL	7.2	6.8	11.8	0.18	0.006	0.011	0.03	4.50	48.41	59.53	22.21	0.0	0.002	5.5	3.56	3.13	189.2	0.0	0.0	0.0
173 DL	6.9	6.3	11.2	0.16	0.005	0.010	0.03	4.05	48.41	64.76	22.71	0.0	0.001	2.7	1.91	3.53	189.3	0.0	0.0	0.0
174 DL	6.7	5.9	11.5	0.15	0.005	0.009	0.03	3.72	48.41	69.15	23.14	0.0	0.000	1.4	1.14	3.28	189.4	0.0	0.0	0.0
175 DL	6.5	5.7	12.1	0.14	0.005	0.009	0.03	3.55	48.41	71.54	23.39	0.0	0.000	0.3	0.28	3.50	189.4	0.0	0.0	0.0
176 DL	6.3	5.6	12.9	0.14	0.005	0.009	0.03	3.51	48.42	72.19	23.45	0.0	0.000	0.2	0.18	3.35	189.5	0.0	0.0	0.0
177 DL	6.2	5.5	13.6	0.14	0.005	0.009	0.04	3.51	48.41	72.17	23.45	0.0	0.000	0.1	0.09	3.74	189.5	0.0	0.0	0.0
178 DL	6.0	5.3	14.0	0.14	0.005	0.008	0.04	3.52	48.42	72.15	23.45	0.0	0.000	0.0	0.01	3.68	189.6	0.0	0.0	0.0
179 DL	5.9	6.0	15.0	0.14	0.005	0.010	0.04	3.53	48.42	71.97	23.43	0.0	0.000	0.0	1.26	3.57	189.6	0.0	0.0	0.0
180 DL	6.0	11.0	18.6	0.15	0.005	0.018	0.05	3.66	48.43	69.84	23.20	0.0	0.000	1.3	0.82	3.55	189.6	0.0	0.0	0.0
181 DL	6.5	22.7	27.3	0.17	0.005	0.036	0.07	4.20	48.43	62.55	22.47	0.0	0.001	4.5	2.91	4.91	189.6	0.0	0.0	0.0
182 DL	7.2	40.8	39.0	0.22	0.006	0.065	0.10	5.42	48.43	50.85	21.40	0.0	0.002	5.9	2.97	10.92	189.6	0.0	0.0	0.0
183 DL	8.0	67.6	50.6	0.29	0.006	0.108	0.13	7.26	48.43	39.53	20.46	0.0	0.002	7.5	2.82	14.77	189.6	0.0	0.0	0.0
184 DL	9.0	100.1	64.9	0.39	0.007	0.160	0.17	9.71	48.43	30.52	19.77	0.0	0.003	9.3	2.59	14.12	189.6	0.0	0.0	0.0
185 DL	10.3	119.5	88.7	0.51	0.008	0.191	0.23	12.91	48.43	23.60	19.28	0.0	0.003	11.3	2.38	14.16	189.5	0.0	0.0	0.0
186 DL	11.6	115.7	115.9	0.66	0.009	0.185	0.30	16.67	48.43	18.68	18.96	0.0	0.004	13.1	2.15	12.70	189.5	0.0	0.0	0.0
187 DL	12.7	103.9	132.0	0.79	0.010	0.166	0.35	19.82	48.40	15.90	18.78	0.0	0.004	15.7	2.19	8.90	189.6	0.0	0.0	0.0
188 DL	13.8	95.5	144.1	0.88	0.011	0.152	0.38	21.98	48.39	14.43	18.69	0.0	0.005	17.1	2.16	5.79	189.8	0.0	0.0	0.0
189 DL	14.5	82.9	145.1	0.96	0.011	0.132	0.38	24.04	48.38	13.27	18.61	0.0	0.005	19.1	2.21	5.66	190.0	0.0	0.0	0.0
190 DL	14.4	66.4	111.8	0.99	0.011	0.106	0.29	24.70	48.36	12.94	18.59	0.0	0.005	19.6	2.23	5.63	190.1	0.0	0.0	0.0
191 DL	13.6	52.6	75.4	0.89	0.011	0.084	0.20	22.40	48.34	14.24	18.68	0.0	0.005	19.8	2.48	3.68	190.2	0.0	0.0	0.0
192 DL	12.5	43.1	56.7	0.76	0.010	0.069	0.15	19.07	48.34	16.60	18.83	0.0	0.006	19.8	2.92	2.98	190.2	0.0	0.0	0.0
193 DL	11.5	36.0	48.0	0.65	0.009	0.057	0.13	16.29	48.35	19.23	19.01	0.0	0.006	20.1	3.46	3.50	190.4	0.0	0.0	0.0
194 DL	10.7	29.7	42.0	0.57	0.008	0.047	0.11	14.19	48.36	21.87	19.19	0.0	0.006	20.1	3.98	4.03	190.6	0.0	0.0	0.0
195 DL	10.0	24.3	35.4	0.49	0.008	0.039	0.09	12.38	48.37	24.81	19.40	0.0	0.006	20.0	4.53	3.83	190.7	0.0	0.0	0.0
196 DL	9.5	20.4	29.8	0.43	0.007	0.032	0.08	10.78	48.37	28.15	19.64	0.0	0.006	20.0	5.21	3.06	190.8	0.0	0.0	0.0
197 DL	9.1	17.7	26.0	0.38	0.007	0.028	0.07	9.54	48.37	31.43	19.88	0.0	0.006	20.0	5.89	2.74	191.0	0.0	0.0	0.0
198 DL	8.9	15.7	23.9	0.35	0.007	0.025	0.06	8.66	48.38	34.25	20.09	0.0	0.006	20.0	6.50	2.58	191.1	0.0	0.0	0.0
199 DL	8.8	13.8	23.0	0.32	0.007	0.022	0.06	8.00	48.37	36.70	20.28	0.0	0.006	20.0	7.04	2.68	191.3	0.0	0.0	0.0
200 DL	8.7	12.1	22.7	0.30	0.007	0.019	0.06	7.46	48.38	39.00	20.46	0.0	0.006	20.1	7.55	2.76	191.3	0.0	0.0	0.0
201 DL	8.6	10.7	22.7	0.28	0.007	0.017	0.06	6.99	48.39	41.28	20.64	0.0	0.006	20.1	8.09	2.80	191.3	0.0	0.0	0.0
202 DL	8.5	9.8	22.2	0.26	0.007	0.016	0.06	6.60	48.39	43.36	20.81	0.0	0.006	20.0	8.52	2.77	191.4	0.0	0.0	0.0
203 DL	8.4	9.1	20.4	0.25	0.007	0.015	0.05	6.29	48.39	45.16	20.96	0.0	0.006	19.9	8.87	2.65	191.4	0.0	0.0	0.0
204 DL	8.3	8.6	18.7	0.24	0.007	0.014	0.05	6.01	48.40	46.96	21.11	0.0	0.006	19.9	9.29	2.40	191.4	0.0	0.0	0.0
205 DL	8.2	8.0	18.1	0.23	0.007	0.013	0.05	5.76	48.39	48.64	21.25	0.0	0.006	19.9	9.68	2.45	191.4	0.0	0.0	0.0
206 DL	8.2	7.5	18.2	0.22	0.006	0.012	0.05	5.53	48.39	50.33	21.39	0.0	0.006	19.9	10.10	2.52	191.5	0.0	0.0	0.0
207 DL	8.1	7.0	19.0	0.21	0.006	0.011	0.05	5.35	48.39	51.73	21.51	0.0	0.006	19.9	10.46	2.55	191.5	0.0	0.0	0.0
208 DL	8.1	6.8	19.8	0.21	0.006	0.011	0.05	5.25	48.38	52.50	21.58	0.0	0.006	20.0	10.69	2.70	191.5	0.0	0.0	0.0
209 DL	7.9	6.5	19.0	0.21	0.006	0.010	0.05	5.19	48.39	53.03	21.63	0.0	0.005	18.0	9.86	2.78	191.5	0.0	0.0	0.0
210 DL	7.7	6.4	16.6	0.20	0.006	0.010	0.04	5.02	48.39	54.53	21.76	0.0	0.004	13.3	7.56	2.74	191.5	0.0	0.0	0.0
211 DL	7.6	6.4	13.4	0.19	0.006	0.010	0.04	4.65	48.40	58.06	22.07	0.0	0.002	8.8	5.42	2.33	191.5	0.0	0.0	0.0
212 DL	7.4	6.2	11.8	0.17	0.006	0.010	0.03	4.16	48.39	63.33	22.57	0.0	0.002	5.6	3.88	3.38	191.4	0.0	0.0	0.0
213 DL	7.2	5.8	11.2	0.15	0.006	0.009	0.03	3.75	48.41	68.65	23.09	0.0	0.001	2.9	2.22	3.37	191.4	0.0	0.0	0.0
214 DL	7.0	5.5	11.7	0.14	0.006	0.009	0.03	3.50	48.40	72.35	23.47	0.0	0.000	1.3	1.12	3.39	191.4	0.0	0.0	0.0
215 DL	6.8	5.4	12.7	0.14	0.005	0.009	0.03	3.42	48.41	73.62	23.60	0.0	0.000	0.3	0.29	3.79	191.5	0.0	0.0	0.0
216 DL	6.6	5.4	13.7	0.14	0.005	0.009	0.04	3.43	48.41	73.52	23.59	0.0	0.000	0.0	0.03	3.91	191.5	0.0	0.0	0.0
217 DL	6.5	5.4	14.5	0.14	0.005	0.009	0.04	3.46	48.40	72.93	23.53	0.0	0.000	0.0	1.23	3.97	191.6	0.0	0.0	0.0
218 DL	6.3	5.2	15.0	0.14	0.005	0.008	0.04	3.51	48.42	72.27	23.46	0.0	0.000	0.0	1.25	3.88	191.6	0.0	0.0	0.0
219 DL	6.2	5.8	15.8	0.14	0.005	0.009	0.04	3.54	48.42	71.70	23.40	0.0	0.000	0.0	1.26	3.92	191.6	0.0	0.0	0.0
220 DL	6.3	9.7	19.3	0.15	0.005	0.016	0.05	3.68	48.42	69.62	23.18	0.0	0.000	1.4	0.93	3.91	191.6	0.0	0.0	0.0
221 DL	6.7	19.0	26.9	0.17	0.005	0.030	0.07	4.16	48.42	63.04	22.52	0.0	0.001	4.3	2.81	5.06	191.5	0.0	0.0	0.0
222 DL	7.3	33.6	37.0	0.21	0.006	0.054	0.10	5.22	48.42	52.44	21.54	0.0	0.002	5.6	2.91	9.57	191.4	0.0	0.0	0.0

223 DL	8.0	58.6	47.7	0.27	0.006	0.093	0.13	6.81	48.42	41.82	20.65	0.0	0.002	7.0	2.81	12.66	191.3	0.0	0.0	0.0
224 DL	8.8	95.1	60.0	0.36	0.007	0.152	0.16	8.98	48.43	32.72	19.94	0.0	0.002	8.7	2.63	13.86	191.2	0.0	0.0	0.0
225 DL	9.8	128.9	80.1	0.47	0.008	0.206	0.21	11.86	48.42	25.42	19.41	0.0	0.003	10.6	2.43	14.82	191.1	0.0	0.0	0.0
226 DL	11.1	140.6	113.5	0.62	0.009	0.224	0.30	15.58	48.43	19.83	19.03	0.0	0.003	12.7	2.22	15.77	191.0	0.0	0.0	0.0
227 DL	12.2	130.8	142.6	0.78	0.010	0.209	0.37	19.50	48.41	16.11	18.79	0.0	0.004	15.8	2.24	13.06	191.1	0.0	0.0	0.0
228 DL	13.2	116.2	154.5	0.90	0.010	0.185	0.41	22.44	48.39	14.12	18.66	0.0	0.005	17.3	2.15	8.68	191.3	0.0	0.0	0.0
229 DL	14.2	100.0	157.4	0.98	0.011	0.159	0.41	24.61	48.38	12.96	18.59	0.0	0.005	19.0	2.15	6.24	191.4	0.0	0.0	0.0
230 DL	14.3	80.5	131.8	1.04	0.011	0.128	0.35	25.94	48.35	12.34	18.55	0.0	0.006	20.2	2.18	6.23	191.5	0.0	0.0	0.0
231 DL	13.6	62.6	90.6	0.98	0.011	0.100	0.24	24.45	48.32	13.08	18.60	0.0	0.006	20.5	2.35	4.56	191.4	0.0	0.0	0.0
232 DL	12.4	49.1	59.8	0.83	0.010	0.078	0.16	20.90	48.34	15.22	18.74	0.0	0.005	19.7	2.65	3.07	191.4	0.0	0.0	0.0
233 DL	11.3	38.8	42.8	0.69	0.009	0.062	0.11	17.33	48.34	18.17	18.94	0.0	0.006	20.0	3.24	2.55	191.5	0.0	0.0	0.0
234 DL	10.4	31.0	35.1	0.58	0.008	0.049	0.09	14.48	48.35	21.49	19.16	0.0	0.006	20.1	3.90	2.75	191.5	0.0	0.0	0.0
235 DL	9.8	25.4	30.7	0.49	0.008	0.040	0.08	12.27	48.35	25.01	19.41	0.0	0.006	20.0	4.58	2.96	191.7	0.0	0.0	0.0
236 DL	9.3	21.6	27.0	0.42	0.007	0.034	0.07	10.65	48.36	28.45	19.66	0.0	0.006	20.0	5.27	2.76	191.7	0.0	0.0	0.0
237 DL	9.0	18.7	24.5	0.38	0.007	0.030	0.06	9.48	48.36	31.56	19.89	0.0	0.006	20.0	5.93	2.63	191.9	0.0	0.0	0.0
238 DL	8.8	16.1	23.3	0.34	0.007	0.026	0.06	8.62	48.36	34.34	20.10	0.0	0.006	20.0	6.52	2.69	191.9	0.0	0.0	0.0
239 DL	8.7	13.9	22.8	0.32	0.007	0.022	0.06	7.91	48.37	37.05	20.31	0.0	0.006	20.1	7.12	2.71	192.0	0.0	0.0	0.0
240 DL	8.6	12.3	22.6	0.29	0.007	0.020	0.06	7.32	48.37	39.67	20.51	0.0	0.006	20.1	7.71	2.73	192.1	0.0	0.0	0.0
241 DL	8.4	11.2	21.6	0.27	0.007	0.018	0.06	6.86	48.37	41.90	20.69	0.0	0.006	20.0	8.18	2.74	192.2	0.0	0.0	0.0
242 DL	8.3	10.3	19.8	0.26	0.007	0.016	0.05	6.53	48.38	43.75	20.84	0.0	0.006	19.9	8.54	2.55	192.3	0.0	0.0	0.0
243 DL	8.2	9.3	18.4	0.25	0.007	0.015	0.05	6.18	48.37	45.84	21.01	0.0	0.006	19.9	9.05	2.34	192.3	0.0	0.0	0.0
244 DL	8.2	8.5	18.3	0.23	0.006	0.014	0.05	5.85	48.38	48.04	21.20	0.0	0.006	19.9	9.58	2.44	192.4	0.0	0.0	0.0
245 DL	8.1	7.8	18.8	0.22	0.006	0.012	0.05	5.61	48.38	49.68	21.34	0.0	0.006	19.9	9.97	2.51	192.4	0.0	0.0	0.0
246 DL	8.0	7.4	19.2	0.22	0.006	0.012	0.05	5.43	48.37	51.05	21.45	0.0	0.006	19.9	10.30	2.53	192.4	0.0	0.0	0.0
247 DL	8.0	7.1	19.4	0.21	0.006	0.011	0.05	5.34	48.38	51.80	21.52	0.0	0.006	20.0	10.50	2.58	192.4	0.0	0.0	0.0
248 DL	7.9	6.8	19.5	0.21	0.006	0.011	0.05	5.31	48.37	52.07	21.54	0.0	0.006	20.0	10.57	2.70	192.4	0.0	0.0	0.0
249 DL	7.8	6.4	18.3	0.21	0.006	0.010	0.05	5.23	48.38	52.70	21.60	0.0	0.005	18.7	10.15	2.82	192.5	0.0	0.0	0.0
250 DL	7.6	6.2	15.3	0.20	0.006	0.010	0.04	4.98	48.39	54.88	21.79	0.0	0.004	14.2	8.12	2.72	192.5	0.0	0.0	0.0
251 DL	7.6	6.1	11.9	0.18	0.006	0.010	0.03	4.48	48.39	59.77	22.23	0.0	0.003	10.2	6.51	2.06	192.5	0.0	0.0	0.0
252 DL	7.4	5.9	10.2	0.16	0.006	0.009	0.03	3.94	48.40	66.15	22.84	0.0	0.002	7.0	5.10	2.66	192.5	0.0	0.0	0.0
253 DL	7.3	5.6	9.5	0.14	0.006	0.009	0.02	3.56	48.39	71.38	23.37	0.0	0.001	3.8	3.07	2.95	192.6	0.0	0.0	0.0
254 DL	7.1	5.3	10.1	0.13	0.006	0.008	0.03	3.33	48.40	75.06	23.75	0.0	0.001	2.0	1.74	3.08	192.6	0.0	0.0	0.0
255 DL	6.8	5.1	11.2	0.13	0.005	0.008	0.03	3.22	48.40	77.01	23.96	0.0	0.000	0.5	0.49	3.42	192.7	0.0	0.0	0.0
256 DL	6.7	5.0	12.3	0.13	0.005	0.008	0.03	3.19	48.40	77.44	24.01	0.0	0.000	0.2	0.19	3.44	192.8	0.0	0.0	0.0
257 DL	6.5	5.0	13.0	0.13	0.005	0.008	0.03	3.23	48.40	76.78	23.94	0.0	0.000	0.1	0.12	3.88	192.8	0.0	0.0	0.0
258 DL	6.3	4.9	13.5	0.13	0.005	0.008	0.04	3.29	48.42	75.82	23.83	0.0	0.000	0.0	0.01	3.90	192.8	0.0	0.0	0.0
259 DL	6.2	5.6	14.7	0.13	0.005	0.009	0.04	3.35	48.41	74.76	23.72	0.0	0.000	0.0	1.20	3.91	192.9	0.0	0.0	0.0
260 DL	6.3	9.5	18.7	0.14	0.005	0.015	0.05	3.52	48.41	71.90	23.42	0.0	0.000	1.8	1.25	3.80	192.9	0.0	0.0	0.0
261 DL	6.7	19.6	27.4	0.16	0.005	0.031	0.07	4.08	48.42	64.12	22.62	0.0	0.001	4.4	3.00	5.04	192.9	0.0	0.0	0.0
262 DL	7.4	35.7	38.4	0.21	0.006	0.057	0.10	5.30	48.42	51.84	21.48	0.0	0.002	5.9	3.04	9.24	192.9	0.0	0.0	0.0
263 DL	8.2	57.5	49.5	0.29	0.006	0.092	0.13	7.16	48.42	40.10	20.51	0.0	0.002	7.5	2.86	13.32	192.8	0.0	0.0	0.0
264 DL	9.2	85.7	62.3	0.37	0.007	0.137	0.16	9.38	48.41	31.51	19.85	0.0	0.003	9.2	2.66	13.08	192.8	0.0	0.0	0.0
265 DL	10.4	108.2	84.4	0.48	0.008	0.173	0.22	12.07	48.41	25.11	19.39	0.0	0.003	11.2	2.53	13.38	192.7	0.0	0.0	0.0
266 DL	11.7	109.8	109.5	0.63	0.009	0.175	0.29	15.68	48.42	19.79	19.03	0.0	0.004	12.8	2.24	12.66	192.7	0.0	0.0	0.0
267 DL	12.5	104.3	117.2	0.76	0.010	0.166	0.31	19.08	48.39	16.46	18.82	0.0	0.004	15.4	2.24	9.46	192.9	0.0	0.0	0.0
268 DL	13.4	107.2	127.9	0.84	0.011	0.171	0.34	20.97	48.37	15.05	18.72	0.0	0.004	16.3	2.15	5.73	193.2	0.0	0.0	0.0
269 DL	14.4	102.5	148.5	0.91	0.011	0.163	0.39	22.91	48.37	13.86	18.65	0.0	0.005	18.7	2.27	6.74	193.4	0.0	0.0	0.0
270 DL	14.6	85.3	137.9	0.99	0.012	0.136	0.36	24.81	48.36	12.87	18.59	0.0	0.006	20.1	2.27	7.35	193.6	0.0	0.0	0.0
271 DL	14.0	66.4	100.7	0.97	0.011	0.106	0.26	24.21	48.32	13.19	18.61	0.0	0.006	20.7	2.40	5.44	193.8	0.0	0.0	0.0
272 DL	12.9	52.4	68.4	0.85	0.010	0.083	0.18	21.16	48.32	15.03	18.73	0.0	0.006	19.9	2.64	3.60	193.9	0.0	0.0	0.0
273 DL	11.7	42.4	48.8	0.71	0.009	0.068	0.13	17.77	48.33	17.73	18.91	0.0	0.006	20.2	3.18	2.75	193.9	0.0	0.0	0.0
274 DL	10.8	34.3	38.6	0.60	0.009	0.055	0.10	15.06	48.34	20.69	19.11	0.0	0.006	20.2	3.77	2.80	193.9	0.0	0.0	0.0
275 DL	10.1	27.6	32.1	0.51	0.008	0.044	0.08	12.90	48.35	23.89	19.33	0.0	0.006	20.1	4.37	2.99	194.0	0.0	0.0	0.0
276 DL	9.6	22.8	27.2	0.44	0.008	0.036	0.07	11.06	48.35	27.49	19.59	0.0	0.006	20.1	5.10	2.85	194.2	0.0	0.0	0.0
277 DL	9.3	19.8	24.2	0.38	0.007	0.032	0.06	9.62	48.35	31.17	19.86	0.0	0.006	20.0	5.85	2.69	194.3	0.0	0.0	0.0
278 DL	9.1	17.6	22.2	0.34	0.007	0.028	0.06	8.64	48.35	34.25	20.09	0.0	0.006	20.0	6.50	2.59	194.4	0.0	0.0	0.0
279 DL	8.9	15.5	21.1	0.32	0.007	0.025	0.06	7.94	48.36	36.90	20.29	0.0	0.006	20.0	7.06	2.62	194.4	0.0	0.0	0.0
280 DL	8.8	13.4	20.6	0.29	0.007	0.021	0.05	7.34	48.36	39.55	20.50	0.0	0.006	20.0	7.64	2.65	194.6	0.0	0.0	0.0
281 DL	8.7	11.9	20.3	0.27	0.007	0.019	0.05	6.78	48.36	42.32	20.72	0.0	0.006	19.9	8.25	2.71	194.6	0.0	0.0	0.0

282 DL	8.6	11.0	20.2	0.25	0.007	0.017	0.05	6.35	48.37	44.75	20.92	0.0	0.006	19.9	8.82	2.69	194.6	0.0	0.0	0.0
283 DL	8.5	10.5	20.1	0.24	0.007	0.017	0.05	6.09	48.37	46.35	21.05	0.0	0.006	19.9	9.18	2.68	194.6	0.0	0.0	0.0
284 DL	8.4	9.9	20.3	0.24	0.007	0.016	0.05	5.95	48.37	47.29	21.13	0.0	0.006	20.0	9.43	2.71	194.7	0.0	0.0	0.0
285 DL	8.4	9.1	20.4	0.23	0.007	0.015	0.05	5.84	48.37	48.03	21.20	0.0	0.006	20.0	9.60	2.70	194.7	0.0	0.0	0.0
286 DL	8.3	8.4	20.8	0.23	0.007	0.013	0.05	5.71	48.38	48.98	21.28	0.0	0.006	20.0	9.84	2.79	194.7	0.0	0.0	0.0
287 DL	8.2	8.0	21.2	0.22	0.006	0.013	0.06	5.59	48.38	49.89	21.35	0.0	0.006	20.0	10.07	2.87	194.7	0.0	0.0	0.0
288 DL	8.1	7.6	21.2	0.22	0.006	0.012	0.06	5.51	48.38	50.46	21.40	0.0	0.006	20.1	10.23	2.86	194.7	0.0	0.0	0.0
289 DL	7.9	7.1	19.9	0.22	0.006	0.011	0.05	5.43	48.37	51.08	21.46	0.0	0.005	18.1	9.52	2.91	194.7	0.0	0.0	0.0
290 DL	7.7	6.8	17.0	0.21	0.006	0.011	0.04	5.21	48.38	52.88	21.61	0.0	0.004	13.3	7.29	2.81	194.7	0.0	0.0	0.0
291 DL	7.5	6.6	13.7	0.19	0.006	0.011	0.04	4.75	48.38	57.05	21.98	0.0	0.003	8.8	5.34	2.35	194.6	0.0	0.0	0.0
292 DL	7.4	6.4	11.9	0.17	0.006	0.010	0.03	4.21	48.38	62.70	22.51	0.0	0.002	5.6	3.84	3.38	194.7	0.0	0.0	0.0
293 DL	7.2	6.1	11.4	0.15	0.006	0.010	0.03	3.84	48.39	67.39	22.96	0.0	0.001	2.9	2.16	3.33	194.7	0.0	0.0	0.0
294 DL	7.0	5.7	11.9	0.14	0.006	0.009	0.03	3.63	48.39	70.38	23.27	0.0	0.000	1.3	1.07	3.46	194.7	0.0	0.0	0.0
295 DL	6.8	5.4	12.8	0.14	0.005	0.009	0.03	3.52	48.40	72.03	23.44	0.0	0.000	0.1	0.16	3.78	194.7	0.0	0.0	0.0
296 DL	6.6	5.3	13.9	0.14	0.005	0.009	0.04	3.47	48.40	72.84	23.52	0.0	0.000	0.0	1.24	3.77	194.7	0.0	0.0	0.0
297 DL	6.4	5.4	14.6	0.14	0.005	0.009	0.04	3.48	48.40	72.64	23.50	0.0	0.000	0.0	1.24	3.92	194.6	0.0	0.0	0.0
298 DL	6.3	5.4	14.9	0.14	0.005	0.009	0.04	3.52	48.39	72.08	23.44	0.0	0.000	0.0	1.25	4.05	194.6	0.0	0.0	0.0
299 DL	6.2	5.6	15.5	0.14	0.005	0.009	0.04	3.56	48.40	71.48	23.38	0.0	0.000	0.0	1.27	4.16	194.5	0.0	0.0	0.0
300 DL	6.2	7.3	18.1	0.15	0.005	0.012	0.05	3.66	48.41	69.85	23.21	0.0	0.000	1.2	0.77	4.01	194.4	0.0	0.0	0.0
301 DL	6.5	12.0	24.2	0.16	0.005	0.019	0.06	4.02	48.42	64.95	22.72	0.0	0.001	3.8	2.64	4.51	194.4	0.0	0.0	0.0
302 DL	6.9	25.4	33.2	0.19	0.005	0.041	0.09	4.78	48.42	56.43	21.90	0.0	0.001	4.9	2.80	7.08	194.4	0.0	0.0	0.0
303 DL	7.6	56.3	45.2	0.24	0.006	0.090	0.12	6.11	48.41	45.80	20.97	0.0	0.002	6.6	2.95	9.00	194.3	0.0	0.0	0.0
304 DL	8.4	98.8	59.9	0.33	0.007	0.158	0.16	8.33	48.42	34.92	20.09	0.0	0.002	8.5	2.77	15.14	194.2	0.0	0.0	0.0
305 DL	9.4	133.7	83.9	0.46	0.007	0.213	0.22	11.47	48.42	26.23	19.46	0.0	0.003	10.6	2.50	17.17	194.0	0.0	0.0	0.0
306 DL	10.7	142.8	121.8	0.62	0.008	0.228	0.32	15.51	48.41	19.92	19.03	0.0	0.003	12.7	2.23	15.52	193.8	0.0	0.0	0.0
307 DL	11.8	130.6	153.4	0.79	0.009	0.208	0.40	19.71	48.39	15.95	18.78	0.0	0.004	15.9	2.23	12.76	193.7	0.0	0.0	0.0
308 DL	12.9	113.0	165.2	0.92	0.010	0.180	0.43	22.96	48.38	13.83	18.64	0.0	0.005	17.5	2.11	8.83	193.9	0.0	0.0	0.0
309 DL	13.8	94.6	162.7	1.01	0.011	0.151	0.43	25.32	48.36	12.61	18.57	0.0	0.005	19.1	2.11	6.57	194.1	0.0	0.0	0.0
310 DL	14.1	76.4	136.5	1.06	0.011	0.122	0.36	26.47	48.34	12.10	18.54	0.0	0.006	20.2	2.14	5.96	194.3	0.0	0.0	0.0
311 DL	13.5	60.3	97.7	1.00	0.011	0.096	0.26	25.08	48.31	12.76	18.58	0.0	0.006	20.8	2.34	4.49	194.4	0.0	0.0	0.0
312 DL	12.4	47.0	65.1	0.87	0.010	0.075	0.17	21.72	48.32	14.68	18.71	0.0	0.005	19.8	2.56	3.26	194.4	0.0	0.0	0.0
313 DL	11.3	36.4	44.2	0.71	0.009	0.058	0.12	17.90	48.33	17.64	18.90	0.0	0.006	20.0	3.14	2.61	194.4	0.0	0.0	0.0
314 DL	10.4	29.0	34.0	0.58	0.008	0.046	0.09	14.56	48.33	21.39	19.16	0.0	0.006	20.0	3.87	2.57	194.5	0.0	0.0	0.0
315 DL	9.8	24.3	28.9	0.48	0.008	0.039	0.08	12.12	48.34	25.30	19.43	0.0	0.006	20.0	4.65	2.71	194.6	0.0	0.0	0.0
316 DL	9.3	20.8	25.8	0.42	0.007	0.033	0.07	10.53	48.35	28.73	19.68	0.0	0.006	20.1	5.35	2.71	194.7	0.0	0.0	0.0
317 DL	9.0	18.0	24.0	0.38	0.007	0.029	0.06	9.43	48.35	31.73	19.90	0.0	0.006	20.1	5.99	2.78	194.8	0.0	0.0	0.0
318 DL	8.8	15.3	23.1	0.34	0.007	0.024	0.06	8.55	48.36	34.60	20.12	0.0	0.006	20.1	6.60	2.89	194.9	0.0	0.0	0.0
319 DL	8.7	13.2	22.4	0.31	0.007	0.021	0.06	7.78	48.35	37.61	20.35	0.0	0.006	20.1	7.27	2.87	195.0	0.0	0.0	0.0
320 DL	8.6	11.9	21.8	0.29	0.007	0.019	0.06	7.15	48.36	40.43	20.57	0.0	0.006	20.1	7.90	2.77	195.1	0.0	0.0	0.0
321 DL	8.5	10.9	21.0	0.27	0.007	0.017	0.05	6.75	48.37	42.52	20.74	0.0	0.006	20.1	8.35	2.79	195.1	0.0	0.0	0.0
322 DL	8.4	10.0	19.9	0.26	0.007	0.016	0.05	6.45	48.36	44.19	20.88	0.0	0.006	20.0	8.71	2.65	195.2	0.0	0.0	0.0
323 DL	8.3	8.9	19.1	0.25	0.007	0.014	0.05	6.16	48.36	45.97	21.02	0.0	0.006	20.0	9.12	2.63	195.2	0.0	0.0	0.0
324 DL	8.3	8.2	18.6	0.23	0.007	0.013	0.05	5.85	48.37	47.99	21.19	0.0	0.006	20.0	9.59	2.61	195.2	0.0	0.0	0.0
325 DL	8.2	7.7	18.4	0.22	0.006	0.012	0.05	5.60	48.37	49.76	21.34	0.0	0.006	19.9	9.99	2.68	195.3	0.0	0.0	0.0
326 DL	8.1	7.3	18.3	0.22	0.006	0.012	0.05	5.40	48.37	51.34	21.48	0.0	0.006	19.9	10.38	2.65	195.3	0.0	0.0	0.0
327 DL	8.1	7.1	18.4	0.21	0.006	0.011	0.05	5.28	48.37	52.23	21.56	0.0	0.006	19.9	10.60	2.69	195.3	0.0	0.0	0.0
328 DL	8.0	6.6	18.4	0.21	0.006	0.011	0.05	5.22	48.38	52.78	21.61	0.0	0.006	19.9	10.73	2.83	195.4	0.0	0.0	0.0
329 DL	7.9	6.1	17.3	0.20	0.006	0.010	0.05	5.10	48.38	53.83	21.70	0.0	0.005	18.7	10.43	2.78	195.5	0.0	0.0	0.0
330 DL	7.7	5.9	14.9	0.19	0.006	0.009	0.04	4.83	48.37	56.28	21.91	0.0	0.004	13.6	8.02	2.65	195.5	0.0	0.0	0.0
331 DL	7.6	6.1	12.1	0.18	0.006	0.010	0.03	4.39	48.38	60.72	22.32	0.0	0.003	9.2	5.98	2.34	195.6	0.0	0.0	0.0
332 DL	7.5	6.1	11.0	0.16	0.006	0.010	0.03	3.96	48.38	65.81	22.81	0.0	0.002	6.0	4.36	3.46	195.5	0.0	0.0	0.0
333 DL	7.2	5.8	10.6	0.15	0.006	0.009	0.03	3.67	48.38	69.81	23.21	0.0	0.001	3.0	2.40	3.61	195.5	0.0	0.0	0.0
334 DL	7.0	5.4	11.1	0.14	0.006	0.009	0.03	3.47	48.39	72.72	23.51	0.0	0.000	1.5	1.31	3.39	195.6	0.0	0.0	0.0
335 DL	6.8	5.0	11.9	0.13	0.005	0.008	0.03	3.36	48.38	74.65	23.71	0.0	0.000	0.3	0.32	3.68	195.6	0.0	0.0	0.0
336 DL	6.6	4.8	12.8	0.13	0.005	0.008	0.03	3.30	48.39	75.59	23.81	0.0	0.000	0.1	0.04	3.62	195.6	0.0	0.0	0.0
337 DL	6.4	4.6	13.5	0.13	0.005	0.007	0.04	3.30	48.40	75.65	23.82	0.0	0.000	0.0	1.18	3.77	195.7	0.0	0.0	0.0
338 DL	6.3	4.7	14.0	0.13	0.005	0.007	0.04	3.33	48.40	75.06	23.75	0.0	0.000	0.0	1.19	3.74	195.7	0.0	0.0	0.0
339 DL	6.2	4.8	14.5	0.13	0.005	0.008	0.04	3.38	48.40	74.28	23.67	0.0	0.000	0.0	1.21	3.85	195.7	0.0	0.0	0.0
340 DL	6.1	5.2	15.4	0.14	0.005	0.008	0.04	3.44	48.40	73.26	23.56	0.0	0.000	1.1	0.79	3.74	195.8	0.0	0.0	0.0

341 DL	6.2	8.3	18.3	0.14	0.005	0.013	0.05	3.59	48.41	70.84	23.31	0.0	0.001	3.0	2.33	3.84	195.8	0.0	0.0	0.0
342 DL	6.6	21.8	26.1	0.16	0.005	0.035	0.07	4.04	48.42	64.49	22.66	0.0	0.001	4.1	2.73	4.47	195.8	0.0	0.0	0.0
343 DL	7.4	52.0	39.9	0.21	0.006	0.083	0.10	5.18	48.41	52.55	21.53	0.0	0.002	6.3	3.28	8.98	195.8	0.0	0.0	0.0
344 DL	8.3	95.0	57.3	0.29	0.007	0.152	0.15	7.34	48.41	38.98	20.40	0.0	0.002	8.2	3.02	17.04	195.8	0.0	0.0	0.0
345 DL	9.5	131.3	85.6	0.42	0.008	0.210	0.22	10.65	48.41	28.07	19.58	0.0	0.003	10.4	2.64	17.55	195.7	0.0	0.0	0.0
346 DL	11.0	139.1	127.1	0.61	0.009	0.222	0.33	15.42	48.42	20.10	19.04	0.0	0.003	12.6	2.23	14.86	195.7	0.0	0.0	0.0
347 DL	12.2	124.8	157.5	0.81	0.010	0.199	0.41	20.40	48.40	15.46	18.75	0.0	0.004	15.9	2.15	12.03	195.6	0.0	0.0	0.0
348 DL	13.3	107.4	172.2	0.95	0.010	0.171	0.45	23.74	48.37	13.40	18.62	0.0	0.005	17.4	2.04	8.35	195.7	0.0	0.0	0.0
349 DL	14.2	89.7	172.7	1.03	0.011	0.143	0.45	25.84	48.36	12.38	18.56	0.0	0.005	19.4	2.09	6.60	196.0	0.0	0.0	0.0
350 DL	14.4	71.2	142.2	1.06	0.011	0.113	0.37	26.61	48.33	12.05	18.54	0.0	0.006	20.4	2.14	6.45	196.3	0.0	0.0	0.0
351 DL	13.6	54.7	102.4	0.99	0.011	0.087	0.27	24.81	48.30	12.91	18.59	0.0	0.006	21.0	2.39	4.82	196.4	0.0	0.0	0.0
352 DL	12.4	42.5	71.2	0.85	0.010	0.068	0.19	21.21	48.31	15.01	18.73	0.0	0.006	20.4	2.70	3.48	196.5	0.0	0.0	0.0
353 DL	11.3	34.3	50.9	0.70	0.009	0.055	0.13	17.61	48.32	17.90	18.92	0.0	0.006	20.4	3.26	3.02	196.6	0.0	0.0	0.0
354 DL	10.5	28.4	37.9	0.59	0.008	0.045	0.10	14.86	48.33	20.97	19.13	0.0	0.006	20.3	3.84	2.83	196.7	0.0	0.0	0.0
355 DL	9.9	23.7	30.4	0.51	0.008	0.038	0.08	12.78	48.34	24.11	19.35	0.0	0.006	20.3	4.47	2.66	196.8	0.0	0.0	0.0
356 DL	9.4	19.5	26.2	0.44	0.007	0.031	0.07	11.12	48.35	27.38	19.58	0.0	0.006	20.3	5.13	2.71	196.9	0.0	0.0	0.0
357 DL	9.2	16.0	23.4	0.39	0.007	0.026	0.06	9.69	48.35	31.00	19.85	0.0	0.006	20.2	5.86	2.70	197.0	0.0	0.0	0.0
358 DL	9.0	13.8	21.5	0.34	0.007	0.022	0.06	8.47	48.36	34.92	20.14	0.0	0.006	20.2	6.70	2.62	197.0	0.0	0.0	0.0
359 DL	8.9	12.4	20.4	0.30	0.007	0.020	0.05	7.60	48.35	38.36	20.41	0.0	0.006	20.2	7.45	2.55	197.1	0.0	0.0	0.0
360 DL	8.8	11.3	19.6	0.28	0.007	0.018	0.05	7.06	48.36	40.89	20.61	0.0	0.006	20.1	8.00	2.58	197.1	0.0	0.0	0.0
361 DL	8.7	10.1	19.3	0.27	0.007	0.016	0.05	6.67	48.36	42.96	20.78	0.0	0.006	20.1	8.47	2.58	197.1	0.0	0.0	0.0
362 DL	8.7	9.1	19.2	0.25	0.007	0.015	0.05	6.29	48.37	45.14	20.95	0.0	0.006	20.1	8.98	2.65	197.1	0.0	0.0	0.0
363 DL	8.6	8.5	19.2	0.24	0.007	0.013	0.05	5.94	48.37	47.38	21.14	0.0	0.006	20.1	9.50	2.71	197.1	0.0	0.0	0.0
364 DL	8.5	8.1	19.5	0.23	0.007	0.013	0.05	5.70	48.37	49.01	21.28	0.0	0.006	20.1	9.89	2.80	197.1	0.0	0.0	0.0
365 DL	8.4	7.8	19.8	0.22	0.007	0.012	0.05	5.60	48.37	49.74	21.34	0.0	0.006	20.1	10.07	2.71	197.0	0.0	0.0	0.0
366 DL	8.4	7.4	19.9	0.22	0.007	0.012	0.05	5.53	48.37	50.28	21.39	0.0	0.006	20.1	10.21	2.76	197.0	0.0	0.0	0.0
367 DL	8.3	6.9	20.2	0.22	0.007	0.011	0.05	5.45	48.36	50.92	21.44	0.0	0.006	20.1	10.36	2.78	197.0	0.0	0.0	0.0
368 DL	8.3	6.5	20.2	0.21	0.007	0.010	0.05	5.36	48.38	51.67	21.51	0.0	0.006	20.1	10.55	2.77	197.0	0.0	0.0	0.0
369 DL	8.1	6.2	18.8	0.21	0.006	0.010	0.05	5.23	48.37	52.70	21.60	0.0	0.005	19.0	10.31	2.75	197.1	0.0	0.0	0.0
370 DL	7.9	6.2	16.0	0.20	0.006	0.010	0.04	5.00	48.37	54.68	21.77	0.0	0.004	13.6	7.72	2.70	197.1	0.0	0.0	0.0
371 DL	7.8	6.4	12.8	0.18	0.006	0.010	0.03	4.61	48.38	58.36	22.10	0.0	0.003	9.3	5.78	2.35	197.1	0.0	0.0	0.0
372 DL	7.6	6.3	11.5	0.17	0.006	0.010	0.03	4.15	48.38	63.43	22.58	0.0	0.002	6.3	4.35	3.69	197.0	0.0	0.0	0.0
373 DL	7.4	6.0	11.1	0.15	0.006	0.010	0.03	3.77	48.38	68.33	23.06	0.0	0.001	3.4	2.55	3.78	196.9	0.0	0.0	0.0
374 DL	7.1	5.7	11.7	0.14	0.006	0.009	0.03	3.51	48.39	72.21	23.45	0.0	0.001	1.8	1.49	3.51	196.9	0.0	0.0	0.0
375 DL	6.9	5.5	12.6	0.14	0.005	0.009	0.03	3.40	48.39	73.97	23.64	0.0	0.000	0.6	0.50	3.77	196.8	0.0	0.0	0.0
376 DL	6.7	5.3	13.4	0.13	0.005	0.008	0.04	3.38	48.39	74.17	23.66	0.0	0.000	0.1	0.05	3.89	196.8	0.0	0.0	0.0
377 DL	6.5	5.2	14.1	0.14	0.005	0.008	0.04	3.42	48.40	73.68	23.61	0.0	0.000	0.0	1.22	3.96	196.8	0.0	0.0	0.0
378 DL	6.4	5.1	14.7	0.14	0.005	0.008	0.04	3.45	48.40	73.13	23.55	0.0	0.000	0.0	1.23	4.02	196.8	0.0	0.0	0.0
379 DL	6.3	5.3	15.3	0.14	0.005	0.008	0.04	3.48	48.41	72.65	23.50	0.0	0.000	0.0	1.24	3.96	196.8	0.0	0.0	0.0
380 DL	6.3	6.7	17.5	0.14	0.005	0.011	0.05	3.56	48.40	71.34	23.36	0.0	0.000	0.8	0.55	3.97	196.7	0.0	0.0	0.0
381 DL	6.4	10.8	23.1	0.15	0.005	0.017	0.06	3.87	48.40	66.95	22.91	0.0	0.001	3.6	2.62	4.40	196.7	0.0	0.0	0.0
382 DL	6.9	23.1	32.1	0.18	0.005	0.037	0.08	4.57	48.41	58.58	22.10	0.0	0.001	4.7	2.80	6.55	196.7	0.0	0.0	0.0
383 DL	7.6	52.1	44.1	0.23	0.006	0.083	0.12	5.84	48.42	47.61	21.12	0.0	0.002	6.5	3.02	8.74	196.7	0.0	0.0	0.0
384 DL	8.3	95.4	59.1	0.32	0.007	0.152	0.16	7.99	48.42	36.22	20.19	0.0	0.002	8.3	2.83	14.97	196.7	0.0	0.0	0.0
385 DL	9.3	133.7	83.2	0.45	0.007	0.213	0.22	11.23	48.43	26.73	19.49	0.0	0.003	10.4	2.52	16.49	196.6	0.0	0.0	0.0
386 DL	10.6	146.2	123.3	0.62	0.008	0.233	0.32	15.56	48.42	19.88	19.03	0.0	0.003	12.5	2.20	15.03	196.4	0.0	0.0	0.0
387 DL	11.7	134.7	159.8	0.80	0.009	0.215	0.42	20.12	48.40	15.65	18.76	0.0	0.004	15.9	2.18	12.12	196.3	0.0	0.0	0.0
388 DL	12.8	114.8	173.1	0.94	0.010	0.183	0.45	23.54	48.37	13.50	18.62	0.0	0.005	17.6	2.08	9.68	196.5	0.0	0.0	0.0
389 DL	13.6	94.4	165.1	1.02	0.011	0.150	0.43	25.62	48.36	12.47	18.56	0.0	0.005	19.2	2.09	7.04	196.7	0.0	0.0	0.0
390 DL	13.9	74.5	135.8	1.05	0.011	0.119	0.36	26.28	48.34	12.19	18.55	0.0	0.006	20.2	2.15	5.67	196.9	0.0	0.0	0.0
391 DL	13.4	57.3	99.3	0.99	0.011	0.091	0.26	24.66	48.30	12.97	18.60	0.0	0.006	21.1	2.40	4.38	196.9	0.0	0.0	0.0
392 DL	12.4	44.8	71.6	0.85	0.010	0.071	0.19	21.34	48.31	14.92	18.72	0.0	0.006	20.5	2.70	3.50	196.9	0.0	0.0	0.0
393 DL	11.3	36.2	52.0	0.72	0.009	0.058	0.14	17.98	48.33	17.55	18.90	0.0	0.006	20.4	3.19	2.98	197.0	0.0	0.0	0.0
394 DL	10.4	29.6	37.9	0.61	0.008	0.047	0.10	15.23	48.33	20.50	19.10	0.0	0.006	20.2	3.73	2.86	197.1	0.0	0.0	0.0
395 DL	9.9	23.8	28.2	0.52	0.008	0.038	0.07	12.98	48.34	23.78	19.33	0.0	0.006	20.2	4.37	2.57	197.1	0.0	0.0	0.0
396 DL	9.5	19.2	22.7	0.44	0.007	0.031	0.06	11.00	48.35	27.67	19.60	0.0	0.006	20.1	5.14	2.44	197.2	0.0	0.0	0.0
397 DL	9.2	16.2	19.9	0.37	0.007	0.026	0.05	9.32	48.35	32.10	19.93	0.0	0.006	20.1	6.05	2.45	197.4	0.0	0.0	0.0
398 DL	9.1	14.3	18.6	0.33	0.007	0.023	0.05	8.15	48.36	36.11	20.23	0.0	0.006	20.0	6.90	2.44	197.5	0.0	0.0	0.0
399 DL	9.0	12.7	17.9	0.30	0.007	0.020	0.05	7.42	48.36	39.17	20.47	0.0	0.006	20.0	7.56	2.54	197.6	0.0	0.0	0.0

400	DL	9.0	11.2	17.5	0.28	0.007	0.018	0.05	6.90	48.35	41.69	20.67	0.0	0.006	19.9	8.11	2.61	197.7	0.0	0.0	0.0
401	DL	8.9	9.8	17.4	0.26	0.007	0.016	0.05	6.42	48.36	44.38	20.89	0.0	0.006	19.9	8.70	2.57	197.7	0.0	0.0	0.0
402	DL	8.8	8.8	17.2	0.24	0.007	0.014	0.05	5.94	48.37	47.39	21.14	0.0	0.006	19.9	9.39	2.55	197.7	0.0	0.0	0.0
403	DL	8.7	8.3	17.3	0.22	0.007	0.013	0.05	5.60	48.36	49.79	21.34	0.0	0.006	19.8	9.95	2.52	197.7	0.0	0.0	0.0
404	DL	8.6	8.0	17.7	0.22	0.007	0.013	0.05	5.42	48.37	51.14	21.46	0.0	0.006	19.8	10.27	2.59	197.8	0.0	0.0	0.0
405	DL	8.6	7.6	18.3	0.21	0.007	0.012	0.05	5.34	48.37	51.75	21.51	0.0	0.006	19.9	10.44	2.68	197.8	0.0	0.0	0.0
406	DL	8.5	7.2	18.9	0.21	0.007	0.012	0.05	5.29	48.37	52.20	21.55	0.0	0.006	19.9	10.58	2.77	197.8	0.0	0.0	0.0
407	DL	8.4	7.0	20.1	0.21	0.007	0.011	0.05	5.24	48.38	52.59	21.59	0.0	0.006	20.0	10.71	2.85	197.9	0.0	0.0	0.0
408	DL	8.4	6.8	20.9	0.21	0.007	0.011	0.05	5.23	48.37	52.68	21.60	0.0	0.006	20.0	10.74	3.01	198.0	0.0	0.0	0.0
409	DL	8.2	6.6	19.9	0.21	0.006	0.011	0.05	5.21	48.36	52.83	21.61	0.0	0.005	18.2	9.96	3.03	198.0	0.0	0.0	0.0
410	DL	8.0	6.5	17.0	0.20	0.006	0.010	0.04	5.06	48.37	54.14	21.72	0.0	0.004	13.6	7.66	3.07	198.0	0.0	0.0	0.0
411	DL	7.8	6.3	13.5	0.19	0.006	0.010	0.04	4.69	48.38	57.59	22.03	0.0	0.003	9.4	5.74	2.55	198.0	0.0	0.0	0.0
412	DL	7.7	5.9	11.5	0.17	0.006	0.009	0.03	4.20	48.39	62.89	22.53	0.0	0.002	6.5	4.44	3.25	197.9	0.0	0.0	0.0
413	DL	7.4	5.4	10.7	0.15	0.006	0.009	0.03	3.75	48.38	68.68	23.09	0.0	0.001	3.6	2.78	3.25	197.9	0.0	0.0	0.0
414	DL	7.2	5.1	11.0	0.14	0.006	0.008	0.03	3.44	48.39	73.34	23.57	0.0	0.001	1.9	1.63	3.35	197.9	0.0	0.0	0.0
415	DL	7.0	5.0	11.9	0.13	0.006	0.008	0.03	3.30	48.39	75.53	23.80	0.0	0.000	0.6	0.53	3.60	198.0	0.0	0.0	0.0
416	DL	6.8	5.0	12.8	0.13	0.005	0.008	0.03	3.28	48.40	75.85	23.84	0.0	0.000	0.1	0.06	3.71	198.1	0.0	0.0	0.0
417	DL	6.7	4.9	13.5	0.13	0.005	0.008	0.04	3.31	48.39	75.35	23.78	0.0	0.000	0.0	0.01	3.80	198.2	0.0	0.0	0.0
418	DL	6.5	4.8	13.9	0.13	0.005	0.008	0.04	3.35	48.39	74.71	23.72	0.0	0.000	0.0	1.20	3.89	198.2	0.0	0.0	0.0
419	DL	6.4	5.2	14.8	0.14	0.005	0.008	0.04	3.39	48.40	74.16	23.66	0.0	0.000	0.0	1.21	3.97	198.3	0.0	0.0	0.0
420	DL	6.5	7.3	17.4	0.14	0.005	0.012	0.05	3.50	48.40	72.29	23.46	0.0	0.000	0.8	0.66	4.03	198.3	0.0	0.0	0.0
421	DL	6.8	12.7	24.0	0.16	0.005	0.020	0.06	3.89	48.40	66.60	22.87	0.0	0.001	4.0	2.84	4.63	198.4	0.0	0.0	0.0
422	DL	7.3	26.6	33.8	0.19	0.006	0.042	0.09	4.75	48.41	56.69	21.92	0.0	0.001	5.1	2.96	7.41	198.4	0.0	0.0	0.0
423	DL	8.1	57.5	46.7	0.25	0.006	0.092	0.12	6.21	48.41	45.22	20.92	0.0	0.002	6.9	2.99	9.22	198.3	0.0	0.0	0.0
424	DL	9.0	98.9	63.6	0.34	0.007	0.158	0.17	8.57	48.41	34.08	20.03	0.0	0.002	8.8	2.80	14.27	198.1	0.0	0.0	0.0
425	DL	10.1	125.3	91.9	0.48	0.008	0.200	0.24	12.06	48.41	25.11	19.38	0.0	0.003	11.1	2.50	15.70	198.0	0.0	0.0	0.0
426	DL	11.3	123.8	126.0	0.65	0.009	0.198	0.33	16.33	48.41	19.04	18.98	0.0	0.004	13.4	2.24	13.06	197.9	0.0	0.0	0.0
427	DL	12.3	110.0	143.4	0.79	0.010	0.175	0.38	19.92	48.38	15.81	18.77	0.0	0.004	15.9	2.22	9.33	198.0	0.0	0.0	0.0
428	DL	13.4	98.1	153.9	0.89	0.011	0.156	0.40	22.22	48.37	14.27	18.68	0.0	0.005	17.3	2.17	6.12	198.3	0.0	0.0	0.0
429	DL	14.3	84.3	157.8	0.97	0.011	0.134	0.41	24.33	48.35	13.11	18.60	0.0	0.005	19.3	2.21	5.48	198.5	0.0	0.0	0.0
430	DL	14.4	67.6	131.4	1.02	0.011	0.108	0.34	25.54	48.33	12.53	18.57	0.0	0.006	20.2	2.22	5.56	198.6	0.0	0.0	0.0
431	DL	13.7	53.2	93.9	0.96	0.011	0.085	0.25	24.06	48.31	13.29	18.62	0.0	0.006	20.8	2.43	4.30	198.7	0.0	0.0	0.0
432	DL	12.5	42.3	66.1	0.83	0.010	0.067	0.17	20.79	48.30	15.29	18.75	0.0	0.006	20.3	2.74	3.33	198.7	0.0	0.0	0.0
433	DL	11.4	34.1	49.0	0.70	0.009	0.054	0.13	17.54	48.32	17.97	18.93	0.0	0.006	20.4	3.26	3.07	198.7	0.0	0.0	0.0
434	DL	10.6	27.2	37.6	0.59	0.008	0.043	0.10	14.82	48.33	21.03	19.13	0.0	0.006	20.2	3.83	3.10	198.7	0.0	0.0	0.0
435	DL	9.9	21.6	29.5	0.50	0.008	0.034	0.08	12.48	48.34	24.67	19.39	0.0	0.006	20.2	4.54	2.80	198.7	0.0	0.0	0.0
436	DL	9.5	17.6	24.8	0.42	0.008	0.028	0.06	10.48	48.34	28.90	19.69	0.0	0.006	20.2	5.41	2.66	198.8	0.0	0.0	0.0
437	DL	9.3	15.2	22.5	0.36	0.007	0.024	0.06	9.02	48.35	33.03	20.00	0.0	0.006	20.2	6.28	2.66	198.9	0.0	0.0	0.0
438	DL	9.1	13.6	21.4	0.32	0.007	0.022	0.06	8.09	48.35	36.35	20.25	0.0	0.006	20.2	7.01	2.66	199.0	0.0	0.0	0.0
439	DL	9.0	12.1	21.1	0.30	0.007	0.019	0.06	7.49	48.35	38.85	20.45	0.0	0.006	20.2	7.56	2.65	199.0	0.0	0.0	0.0
440	DL	8.9	10.8	20.9	0.28	0.007	0.017	0.05	7.04	48.35	41.01	20.62	0.0	0.006	20.2	8.06	2.87	199.0	0.0	0.0	0.0
441	DL	8.8	9.5	21.1	0.26	0.007	0.015	0.06	6.63	48.36	43.19	20.79	0.0	0.006	20.2	8.57	2.89	199.0	0.0	0.0	0.0
442	DL	8.8	8.8	21.4	0.25	0.007	0.014	0.06	6.27	48.36	45.28	20.97	0.0	0.006	20.2	9.06	3.00	198.9	0.0	0.0	0.0
443	DL	8.7	8.3	21.4	0.24	0.007	0.013	0.06	6.02	48.36	46.82	21.09	0.0	0.006	20.3	9.45	3.01	198.9	0.0	0.0	0.0
444	DL	8.6	8.0	21.4	0.24	0.007	0.013	0.06	5.90	48.36	47.65	21.16	0.0	0.006	20.3	9.65	2.99	198.8	0.0	0.0	0.0
445	DL	8.5	7.8	21.6	0.23	0.007	0.012	0.06	5.83	48.37	48.15	21.21	0.0	0.006	20.3	9.79	2.97	198.8	0.0	0.0	0.0
446	DL	8.4	7.3	21.5	0.23	0.007	0.012	0.06	5.76	48.37	48.65	21.25	0.0	0.006	20.3	9.92	3.02	198.7	0.0	0.0	0.0
447	DL	8.3	6.7	20.4	0.23	0.007	0.011	0.05	5.65	48.37	49.45	21.32	0.0	0.006	20.1	10.02	3.02	198.7	0.0	0.0	0.0
448	DL	8.3	6.1	18.0	0.22	0.007	0.010	0.05	5.43	48.37	51.13	21.46	0.0	0.006	20.1	10.40	2.73	198.8	0.0	0.0	0.0
449	DL	8.2	5.7	15.1	0.20	0.006	0.009	0.04	5.09	48.37	53.85	21.70	0.0	0.005	18.5	10.34	2.53	198.9	0.0	0.0	0.0
450	DL	8.1	5.7	12.1	0.19	0.006	0.009	0.03	4.69	48.37	57.56	22.03	0.0	0.004	13.7	8.33	2.47	199.0	0.0	0.0	0.0
451	DL	8.0	5.8	10.4	0.17	0.006	0.009	0.03	4.21	48.38	62.70	22.51	0.0	0.003	9.5	6.44	2.19	199.0	0.0	0.0	0.0
452	DL	7.9	5.7	10.1	0.15	0.006	0.009	0.03	3.79	48.38	68.11	23.04	0.0	0.002	6.7	5.03	3.33	199.0	0.0	0.0	0.0
453	DL	7.7	5.3	10.2	0.14	0.006	0.008	0.03	3.47	48.38	72.80	23.51	0.0	0.001	3.8	3.16	3.52	199.0	0.0	0.0	0.0
454	DL	7.4	5.0	11.2	0.13	0.006	0.008	0.03	3.26	48.39	76.18	23.87	0.0	0.001	1.9	1.73	3.56	199.0	0.0	0.0	0.0
455	DL	7.2	4.9	12.1	0.13	0.006	0.008	0.03	3.19	48.39	77.47	24.01	0.0	0.000	0.6	0.52	3.81	199.0	0.0	0.0	0.0
456	DL	7.0	4.9	13.1	0.13	0.006	0.008	0.03	3.21	48.39	77.11	23.97	0.0	0.000	0.0	0.04	3.82	199.1	0.0	0.0	0.0
457	DL	6.8	4.8	13.9	0.13	0.005	0.008	0.04	3.28	48.39	76.01	23.85	0.0	0.000	0.0	1.17	3.81	199.1	0.0	0.0	0.0
458	DL	6.6	4.8	14.5	0.13	0.005	0.008	0.04	3.34	48.39	74.96	23.74	0.0	0.000	0.0	1.19	3.97	199.1	0.0	0.0	0.0

459 DL	6.5	4.7	15.1	0.14	0.005	0.008	0.04	3.39	48.39	74.14	23.66	0.0	0.000	0.0	1.21	4.05	199.1	0.0	0.0	0.0
460 DL	6.4	5.2	16.1	0.14	0.005	0.008	0.04	3.46	48.39	72.92	23.53	0.0	0.000	1.3	0.90	3.99	199.0	0.0	0.0	0.0
461 DL	6.5	8.8	19.8	0.15	0.005	0.014	0.05	3.64	48.40	70.13	23.24	0.0	0.001	3.0	2.33	4.17	199.0	0.0	0.0	0.0
462 DL	7.0	24.0	28.6	0.17	0.006	0.038	0.07	4.14	48.40	63.18	22.53	0.0	0.001	4.4	2.88	4.68	199.1	0.0	0.0	0.0
463 DL	7.7	57.4	42.3	0.22	0.006	0.092	0.11	5.41	48.40	50.68	21.36	0.0	0.002	6.4	3.21	9.73	199.1	0.0	0.0	0.0
464 DL	8.6	100.4	59.2	0.31	0.007	0.160	0.16	7.78	48.41	37.07	20.25	0.0	0.002	8.4	2.90	17.87	199.0	0.0	0.0	0.0
465 DL	9.6	134.8	87.4	0.45	0.008	0.215	0.23	11.19	48.41	26.82	19.50	0.0	0.003	10.6	2.55	17.68	198.9	0.0	0.0	0.0
466 DL	11.0	144.2	129.7	0.62	0.009	0.230	0.34	15.58	48.41	19.85	19.03	0.0	0.003	12.7	2.22	14.94	198.7	0.0	0.0	0.0
467 DL	12.2	132.0	166.2	0.80	0.010	0.211	0.44	20.10	48.40	15.67	18.76	0.0	0.004	16.1	2.21	12.51	198.6	0.0	0.0	0.0
468 DL	13.3	112.2	179.0	0.95	0.010	0.179	0.47	23.69	48.37	13.42	18.62	0.0	0.005	17.8	2.09	9.39	198.8	0.0	0.0	0.0
469 DL	14.1	92.2	172.0	1.04	0.011	0.147	0.45	26.15	48.34	12.23	18.55	0.0	0.005	19.5	2.08	7.23	199.1	0.0	0.0	0.0
470 DL	14.3	73.9	142.7	1.08	0.011	0.118	0.37	27.14	48.32	11.82	18.52	0.0	0.006	20.4	2.10	5.84	199.4	0.0	0.0	0.0
471 DL	13.6	58.6	102.5	1.02	0.011	0.093	0.27	25.60	48.30	12.52	18.57	0.0	0.006	21.1	2.32	4.49	199.6	0.0	0.0	0.0
472 DL	12.4	46.8	70.8	0.89	0.010	0.075	0.19	22.19	48.31	14.37	18.69	0.0	0.006	20.5	2.60	3.39	199.7	0.0	0.0	0.0
473 DL	11.4	37.5	47.6	0.74	0.009	0.060	0.12	18.57	48.32	17.03	18.86	0.0	0.005	19.7	2.99	2.93	199.7	0.0	0.0	0.0
474 DL	10.8	29.6	31.1	0.61	0.008	0.047	0.08	15.20	48.33	20.55	19.10	0.0	0.006	19.9	3.67	2.58	199.6	0.0	0.0	0.0
475 DL	10.3	23.4	23.1	0.49	0.008	0.037	0.06	12.26	48.33	25.08	19.41	0.0	0.006	19.9	4.57	2.43	199.7	0.0	0.0	0.0
476 DL	9.9	19.2	20.6	0.40	0.008	0.031	0.05	10.05	48.34	30.00	19.77	0.0	0.006	19.9	5.57	2.58	199.9	0.0	0.0	0.0
477 DL	9.6	16.6	19.9	0.34	0.008	0.027	0.05	8.62	48.34	34.35	20.10	0.0	0.006	19.9	6.49	2.70	200.1	0.0	0.0	0.0
478 DL	9.4	14.9	19.8	0.31	0.007	0.024	0.05	7.77	48.35	37.60	20.35	0.0	0.006	19.9	7.18	2.69	200.1	0.0	0.0	0.0
479 DL	9.3	13.2	20.0	0.29	0.007	0.021	0.05	7.23	48.35	40.01	20.54	0.0	0.006	19.9	7.70	2.76	200.2	0.0	0.0	0.0
480 DL	9.1	11.7	20.2	0.27	0.007	0.019	0.05	6.79	48.35	42.26	20.72	0.0	0.006	19.9	8.21	2.86	200.1	0.0	0.0	0.0
481 DL	9.0	10.3	20.7	0.25	0.007	0.016	0.05	6.39	48.36	44.54	20.90	0.0	0.006	19.9	8.75	2.88	200.1	0.0	0.0	0.0
482 DL	8.9	9.6	21.3	0.24	0.007	0.015	0.06	6.08	48.35	46.42	21.06	0.0	0.006	20.0	9.21	2.90	200.1	0.0	0.0	0.0
483 DL	8.8	9.3	22.2	0.24	0.007	0.015	0.06	5.93	48.36	47.42	21.14	0.0	0.006	20.1	9.49	3.01	200.1	0.0	0.0	0.0
484 DL	8.6	9.1	23.0	0.24	0.007	0.015	0.06	5.90	48.36	47.65	21.16	0.0	0.006	20.1	9.59	3.13	200.1	0.0	0.0	0.0
485 DL	8.5	8.8	23.9	0.24	0.007	0.014	0.06	5.91	48.36	47.60	21.16	0.0	0.006	20.2	9.62	3.23	200.1	0.0	0.0	0.0
486 DL	8.4	8.3	24.5	0.24	0.007	0.013	0.06	5.92	48.36	47.53	21.15	0.0	0.006	20.3	9.64	3.32	200.1	0.0	0.0	0.0
487 DL	8.3	7.9	24.4	0.24	0.007	0.013	0.06	5.89	48.36	47.69	21.17	0.0	0.006	20.3	9.69	3.29	200.1	0.0	0.0	0.0
488 DL	8.2	7.4	22.3	0.23	0.007	0.012	0.06	5.82	48.37	48.22	21.21	0.0	0.006	20.2	9.73	3.18	200.1	0.0	0.0	0.0
489 DL	8.1	6.9	18.6	0.22	0.006	0.011	0.05	5.60	48.36	49.81	21.35	0.0	0.005	18.3	9.31	2.84	200.1	0.0	0.0	0.0
490 DL	7.9	6.7	14.7	0.21	0.006	0.011	0.04	5.19	48.37	53.06	21.63	0.0	0.004	13.4	7.34	2.54	200.2	0.0	0.0	0.0
491 DL	7.8	6.7	11.9	0.18	0.006	0.011	0.03	4.62	48.37	58.26	22.09	0.0	0.003	9.6	5.94	2.29	200.3	0.0	0.0	0.0
492 DL	7.7	6.3	10.8	0.16	0.006	0.010	0.03	4.07	48.38	64.46	22.67	0.0	0.002	6.8	4.76	3.62	200.3	0.0	0.0	0.0
493 DL	7.5	5.9	10.3	0.14	0.006	0.009	0.03	3.63	48.38	70.29	23.25	0.0	0.001	4.1	3.24	3.43	200.3	0.0	0.0	0.0
494 DL	7.3	5.5	11.0	0.13	0.006	0.009	0.03	3.38	48.39	74.18	23.66	0.0	0.001	2.2	1.84	3.31	200.3	0.0	0.0	0.0
495 DL	7.1	5.2	12.0	0.13	0.006	0.008	0.03	3.29	48.38	75.71	23.82	0.0	0.000	0.8	0.76	3.49	200.3	0.0	0.0	0.0
496 DL	6.9	4.9	12.9	0.13	0.005	0.008	0.03	3.28	48.38	75.99	23.85	0.0	0.000	0.1	0.10	3.94	200.3	0.0	0.0	0.0
497 DL	6.7	4.8	13.6	0.13	0.005	0.008	0.04	3.29	48.39	75.73	23.83	0.0	0.000	0.0	0.01	3.80	200.4	0.0	0.0	0.0
498 DL	6.6	4.8	14.2	0.13	0.005	0.008	0.04	3.32	48.39	75.29	23.78	0.0	0.000	0.0	1.18	3.83	200.3	0.0	0.0	0.0
499 DL	6.5	5.2	15.1	0.13	0.005	0.008	0.04	3.35	48.39	74.74	23.72	0.0	0.000	0.0	1.19	3.83	200.3	0.0	0.0	0.0
500 DL	6.5	7.4	17.8	0.14	0.005	0.012	0.05	3.46	48.40	72.87	23.52	0.0	0.000	1.3	0.89	3.88	200.2	0.0	0.0	0.0
501 DL	6.8	13.0	24.5	0.15	0.005	0.021	0.06	3.85	48.41	67.18	22.93	0.0	0.001	4.0	2.86	4.51	200.2	0.0	0.0	0.0
502 DL	7.3	25.9	34.5	0.19	0.006	0.041	0.09	4.72	48.41	57.00	21.95	0.0	0.001	5.3	3.04	7.31	200.3	0.0	0.0	0.0
503 DL	8.0	55.1	46.6	0.25	0.006	0.088	0.12	6.19	48.41	45.34	20.93	0.0	0.002	6.9	3.02	8.95	200.2	0.0	0.0	0.0
504 DL	8.9	95.9	62.4	0.34	0.007	0.153	0.16	8.51	48.40	34.30	20.05	0.0	0.002	8.9	2.81	12.99	200.1	0.0	0.0	0.0
505 DL	10.1	124.2	89.4	0.47	0.008	0.198	0.23	11.81	48.40	25.58	19.42	0.0	0.003	10.9	2.51	15.68	200.0	0.0	0.0	0.0
506 DL	11.3	124.7	121.1	0.63	0.009	0.199	0.32	15.86	48.40	19.55	19.01	0.0	0.004	13.1	2.26	14.20	200.0	0.0	0.0	0.0
507 DL	12.4	111.2	143.1	0.77	0.010	0.177	0.38	19.40	48.38	16.20	18.80	0.0	0.004	15.7	2.25	9.90	200.0	0.0	0.0	0.0
508 DL	13.6	96.0	156.0	0.88	0.011	0.153	0.41	22.00	48.36	14.41	18.68	0.0	0.005	17.4	2.19	6.45	200.2	0.0	0.0	0.0
509 DL	14.4	79.3	152.1	0.96	0.011	0.126	0.40	24.11	48.35	13.23	18.61	0.0	0.005	19.1	2.22	5.48	200.3	0.0	0.0	0.0
510 DL	14.5	62.4	120.1	0.99	0.011	0.099	0.31	24.82	48.33	12.88	18.59	0.0	0.006	20.0	2.26	4.85	200.5	0.0	0.0	0.0
511 DL	13.7	48.9	82.9	0.92	0.011	0.078	0.22	22.91	48.30	13.93	18.66	0.0	0.006	20.3	2.50	3.60	200.5	0.0	0.0	0.0
512 DL	12.6	39.0	56.3	0.78	0.010	0.062	0.15	19.56	48.31	16.20	18.81	0.0	0.005	19.6	2.81	2.93	200.5	0.0	0.0	0.0
513 DL	11.5	32.0	41.6	0.65	0.009	0.051	0.11	16.35	48.32	19.18	19.01	0.0	0.006	19.9	3.42	2.68	200.5	0.0	0.0	0.0
514 DL	10.7	26.6	35.6	0.55	0.008	0.042	0.09	13.89	48.33	22.31	19.22	0.0	0.006	20.1	4.07	2.96	200.5	0.0	0.0	0.0
515 DL	10.1	22.1	32.7	0.48	0.008	0.035	0.09	12.09	48.34	25.35	19.44	0.0	0.006	20.3	4.71	3.49	200.5	0.0	0.0	0.0
516 DL	9.6	18.6	29.4	0.43	0.008	0.030	0.08	10.65	48.35	28.45	19.66	0.0	0.006	20.0	5.29	3.67	200.7	0.0	0.0	0.0
517 DL	9.3	15.9	24.9	0.38	0.007	0.025	0.07	9.39	48.35	31.85	19.91	0.0	0.006	20.0	5.98	3.09	200.8	0.0	0.0	0.0

518	DL	9.1	14.1	21.8	0.33	0.007	0.022	0.06	8.37	48.35	35.26	20.17	0.0	0.006	20.0	6.71	2.70	200.9	0.0	0.0	0.0
519	DL	9.0	12.4	20.3	0.30	0.007	0.020	0.05	7.63	48.35	38.23	20.40	0.0	0.006	20.0	7.36	2.72	200.9	0.0	0.0	0.0
520	DL	8.9	10.8	20.0	0.28	0.007	0.017	0.05	7.06	48.35	40.92	20.61	0.0	0.006	20.0	7.97	2.77	200.9	0.0	0.0	0.0
521	DL	8.8	9.5	20.0	0.26	0.007	0.015	0.05	6.56	48.35	43.57	20.82	0.0	0.006	20.0	8.57	2.75	200.9	0.0	0.0	0.0
522	DL	8.7	8.9	20.5	0.25	0.007	0.014	0.05	6.16	48.36	45.94	21.02	0.0	0.006	20.0	9.14	2.89	200.9	0.0	0.0	0.0
523	DL	8.6	8.4	20.8	0.24	0.007	0.013	0.05	5.93	48.36	47.46	21.15	0.0	0.006	20.1	9.51	2.94	200.8	0.0	0.0	0.0
524	DL	8.5	8.0	21.0	0.23	0.007	0.013	0.05	5.80	48.36	48.30	21.22	0.0	0.006	20.1	9.73	2.92	200.8	0.0	0.0	0.0
525	DL	8.4	7.4	21.3	0.23	0.007	0.012	0.06	5.72	48.37	48.89	21.27	0.0	0.006	20.2	9.90	2.92	200.8	0.0	0.0	0.0
526	DL	8.4	6.9	21.4	0.22	0.007	0.011	0.06	5.64	48.36	49.51	21.32	0.0	0.006	20.2	10.06	2.94	200.8	0.0	0.0	0.0
527	DL	8.3	6.6	21.5	0.22	0.007	0.011	0.06	5.54	48.37	50.23	21.38	0.0	0.006	20.2	10.26	2.91	200.8	0.0	0.0	0.0
528	DL	8.2	6.4	20.9	0.22	0.007	0.010	0.05	5.46	48.37	50.85	21.44	0.0	0.006	20.3	10.42	2.98	200.8	0.0	0.0	0.0
529	DL	8.1	6.2	18.9	0.21	0.006	0.010	0.05	5.33	48.37	51.90	21.53	0.0	0.005	18.0	9.63	3.01	200.8	0.0	0.0	0.0
530	DL	7.9	6.1	15.3	0.20	0.006	0.010	0.04	5.05	48.36	54.22	21.73	0.0	0.004	13.8	7.79	2.87	200.9	0.0	0.0	0.0
531	DL	7.9	5.9	12.0	0.18	0.006	0.009	0.03	4.55	48.37	59.03	22.16	0.0	0.003	9.9	6.18	2.42	200.9	0.0	0.0	0.0
532	DL	7.7	5.6	10.7	0.16	0.006	0.009	0.03	4.01	48.38	65.17	22.74	0.0	0.002	7.2	5.15	3.31	200.9	0.0	0.0	0.0
533	DL	7.5	5.3	10.2	0.14	0.006	0.008	0.03	3.59	48.38	70.99	23.33	0.0	0.001	4.5	3.64	3.41	201.0	0.0	0.0	0.0
534	DL	7.3	4.9	10.9	0.13	0.006	0.008	0.03	3.33	48.38	74.97	23.74	0.0	0.001	2.6	2.22	3.36	201.1	0.0	0.0	0.0
535	DL	7.1	4.9	11.9	0.13	0.006	0.008	0.03	3.25	48.38	76.40	23.90	0.0	0.000	1.3	1.18	3.69	201.2	0.0	0.0	0.0
536	DL	6.9	4.9	12.7	0.13	0.005	0.008	0.03	3.25	48.39	76.41	23.90	0.0	0.000	0.3	0.30	3.98	201.2	0.0	0.0	0.0
537	DL	6.8	4.9	13.5	0.13	0.005	0.008	0.04	3.28	48.39	75.85	23.84	0.0	0.000	0.0	0.01	4.02	201.2	0.0	0.0	0.0
538	DL	6.6	4.9	14.1	0.13	0.005	0.008	0.04	3.33	48.39	75.12	23.76	0.0	0.000	0.0	1.19	4.27	201.1	0.0	0.0	0.0
539	DL	6.5	5.2	15.0	0.13	0.005	0.008	0.04	3.38	48.39	74.33	23.68	0.0	0.000	0.0	1.20	4.32	201.1	0.0	0.0	0.0
540	DL	6.6	7.8	18.0	0.14	0.005	0.012	0.05	3.50	48.40	72.21	23.45	0.0	0.000	1.3	0.89	4.29	201.0	0.0	0.0	0.0
541	DL	7.0	16.0	25.5	0.16	0.006	0.026	0.07	3.93	48.40	65.97	22.81	0.0	0.001	4.1	2.82	4.75	201.0	0.0	0.0	0.0
542	DL	7.6	32.7	36.3	0.20	0.006	0.052	0.10	4.93	48.40	54.93	21.76	0.0	0.002	5.5	3.06	8.25	201.1	0.0	0.0	0.0
543	DL	8.4	61.1	48.4	0.26	0.007	0.098	0.13	6.62	48.40	42.81	20.72	0.0	0.002	7.1	2.93	12.30	201.0	0.0	0.0	0.0
544	DL	9.2	96.9	63.3	0.36	0.007	0.155	0.17	9.04	48.40	32.51	19.92	0.0	0.002	8.9	2.68	14.69	200.9	0.0	0.0	0.0
545	DL	10.3	121.5	87.0	0.49	0.008	0.194	0.23	12.20	48.40	24.82	19.37	0.0	0.003	11.0	2.46	15.16	200.9	0.0	0.0	0.0
546	DL	11.5	124.1	117.3	0.64	0.009	0.198	0.31	15.97	48.40	19.42	19.00	0.0	0.004	12.7	2.19	13.14	200.9	0.0	0.0	0.0
547	DL	12.6	114.6	142.2	0.78	0.010	0.183	0.37	19.47	48.38	16.14	18.79	0.0	0.004	15.6	2.22	9.47	201.0	0.0	0.0	0.0
548	DL	13.6	103.4	156.9	0.89	0.011	0.165	0.41	22.23	48.36	14.26	18.67	0.0	0.005	17.4	2.17	6.78	201.3	0.0	0.0	0.0
549	DL	14.4	89.9	159.5	0.98	0.011	0.143	0.42	24.50	48.34	13.02	18.60	0.0	0.005	19.1	2.17	5.94	201.5	0.0	0.0	0.0
550	DL	14.5	73.5	136.1	1.03	0.011	0.117	0.36	25.82	48.33	12.39	18.56	0.0	0.006	20.2	2.19	5.88	201.7	0.0	0.0	0.0
551	DL	13.8	58.4	99.6	0.98	0.011	0.093	0.26	24.64	48.30	12.98	18.60	0.0	0.006	21.0	2.39	4.87	201.8	0.0	0.0	0.0
552	DL	12.6	46.5	69.9	0.86	0.010	0.074	0.18	21.54	48.30	14.78	18.71	0.0	0.006	20.3	2.64	3.75	201.9	0.0	0.0	0.0
553	DL	11.5	37.5	50.7	0.73	0.009	0.060	0.13	18.16	48.31	17.38	18.89	0.0	0.006	20.4	3.17	3.09	201.9	0.0	0.0	0.0
554	DL	10.7	29.9	37.7	0.61	0.008	0.048	0.10	15.31	48.32	20.39	19.09	0.0	0.006	20.1	3.69	3.08	201.9	0.0	0.0	0.0
555	DL	10.1	23.7	28.4	0.51	0.008	0.038	0.07	12.84	48.33	24.01	19.34	0.0	0.006	20.1	4.40	2.73	201.9	0.0	0.0	0.0
556	DL	9.7	19.0	23.3	0.43	0.008	0.030	0.06	10.70	48.33	28.36	19.65	0.0	0.006	20.2	5.30	2.63	202.0	0.0	0.0	0.0
557	DL	9.4	16.1	20.9	0.36	0.007	0.026	0.05	9.08	48.34	32.84	19.98	0.0	0.006	20.1	6.22	2.63	202.1	0.0	0.0	0.0
558	DL	9.3	14.3	19.8	0.32	0.007	0.023	0.05	8.01	48.34	36.63	20.27	0.0	0.006	20.1	7.04	2.72	202.1	0.0	0.0	0.0
559	DL	9.2	12.8	19.1	0.29	0.007	0.020	0.05	7.33	48.34	39.58	20.50	0.0	0.006	20.0	7.67	2.76	202.1	0.0	0.0	0.0
560	DL	9.1	11.4	18.7	0.27	0.007	0.018	0.05	6.83	48.35	42.09	20.70	0.0	0.006	20.0	8.23	2.74	202.1	0.0	0.0	0.0
561	DL	9.0	10.0	18.4	0.25	0.007	0.016	0.05	6.37	48.35	44.66	20.91	0.0	0.006	20.0	8.80	2.74	202.1	0.0	0.0	0.0
562	DL	8.9	8.8	18.2	0.24	0.007	0.014	0.05	5.94	48.35	47.40	21.14	0.0	0.006	19.9	9.42	2.75	202.1	0.0	0.0	0.0
563	DL	8.8	8.2	18.2	0.22	0.007	0.013	0.05	5.57	48.35	49.94	21.36	0.0	0.006	19.9	10.01	2.78	202.1	0.0	0.0	0.0
564	DL	8.7	7.8	18.3	0.21	0.007	0.012	0.05	5.35	48.36	51.67	21.51	0.0	0.006	19.9	10.42	2.84	202.0	0.0	0.0	0.0
565	DL	8.6	7.6	18.8	0.21	0.007	0.012	0.05	5.25	48.36	52.51	21.58	0.0	0.006	19.9	10.66	2.89	202.0	0.0	0.0	0.0
566	DL	8.5	7.3	19.7	0.21	0.007	0.012	0.05	5.21	48.36	52.79	21.61	0.0	0.006	20.0	10.74	2.95	202.0	0.0	0.0	0.0
567	DL	8.5	7.0	20.7	0.21	0.007	0.011	0.05	5.21	48.36	52.80	21.61	0.0	0.006	20.0	10.77	3.03	202.1	0.0	0.0	0.0
568	DL	8.4	6.6	21.0	0.21	0.007	0.011	0.06	5.21	48.36	52.82	21.61	0.0	0.006	20.1	10.83	3.17	202.1	0.0	0.0	0.0
569	DL	8.2	6.3	19.7	0.21	0.006	0.010	0.05	5.14	48.36	53.40	21.66	0.0	0.005	17.8	9.89	3.25	202.1	0.0	0.0	0.0
570	DL	8.0	6.3	16.9	0.20	0.006	0.010	0.04	4.95	48.36	55.11	21.81	0.0	0.004	14.3	8.22	3.29	202.1	0.0	0.0	0.0
571	DL	7.8	6.2	14.1	0.18	0.006	0.010	0.04	4.61	48.37	58.38	22.10	0.0	0.003	10.5	6.46	2.88	202.1	0.0	0.0	0.0
572	DL	7.7	5.8	12.3	0.17	0.006	0.009	0.03	4.22	48.37	62.65	22.50	0.0	0.002	7.8	5.30	3.34	202.1	0.0	0.0	0.0
573	DL	7.5	5.4	10.9	0.15	0.006	0.009	0.03	3.81	48.38	67.84	23.01	0.0	0.001	5.2	3.93	3.33	202.1	0.0	0.0	0.0
574	DL	7.4	5.0	10.9	0.14	0.006	0.008	0.03	3.47	48.38	72.87	23.52	0.0	0.001	3.1	2.52	3.35	202.1	0.0	0.0	0.0
575	DL	7.2	4.8	11.7	0.13	0.006	0.008	0.03	3.30	48.37	75.63	23.81	0.0	0.000	1.7	1.46	3.58	202.1	0.0	0.0	0.0
576	DL	7.0	4.7	12.6	0.13	0.006	0.007	0.03	3.25	48.38	76.50	23.91	0.0	0.000	0.6	0.53	3.80	202.2	0.0	0.0	0.0

577 DL	6.8	4.6	13.5	0.13	0.005	0.007	0.04	3.25	48.39	76.37	23.89	0.0	0.000	0.0	0.03	3.93	202.2	0.0	0.0	0.0
578 DL	6.7	4.5	14.2	0.13	0.005	0.007	0.04	3.28	48.39	75.90	23.84	0.0	0.000	0.0	0.01	3.89	202.2	0.0	0.0	0.0
579 DL	6.5	4.4	14.4	0.13	0.005	0.007	0.04	3.31	48.39	75.43	23.79	0.0	0.000	0.0	1.18	4.05	202.2	0.0	0.0	0.0

Test #: 1055 CBD

Date: 5/9/94

Test cycle results

CO (g/mi) =	1.92
CO2 (g/mi) =	126.73
NOx (g/mi) =	5.03

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT INL1	FT INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
11:46:25	67.52	1.81	135.29	97.68	58.61	77.31	728.64							
11:46:26	68.74	1.81	135.29	98.90	58.61	77.55	710.85							
11:46:27	68.74	1.81	135.29	98.90	57.39	77.31	681.86							
11:46:28	68.74	1.81	139.19	98.90	57.39	77.31	678.81	12.7448	13.0607	0.1131	0.0005	0.0016	0.0018	0.0000
11:46:29	68.74	1.80	139.19	97.68	58.61	77.79	678.81	12.9041	13.2240	0.4523	0.0010	0.0032	0.0088	0.0002
11:46:30	68.74	1.80	139.19	97.68	58.61	77.79	678.81	12.9041	13.2240	0.1131	0.0015	0.0048	0.0106	0.0002
11:46:31	68.74	1.81	139.19	98.90	61.05	77.31	680.34	12.9041	13.2240	0.1131	0.0020	0.0065	0.0123	0.0002
11:46:32	68.74	1.81	139.19	100.12	59.83	77.31	678.31	12.7448	13.0587	0.1131	0.0025	0.0081	0.0141	0.0003
11:46:33	68.74	1.81	139.19	101.34	61.05	77.79	678.31	12.7448	13.0587	0.1131	0.0030	0.0097	0.0158	0.0003
11:46:34	68.74	1.81	139.19	102.56	63.49	77.55	678.31	12.9041	13.2240	0.0000	0.0035	0.0114	0.0158	0.0003
11:46:35	65.81	1.81	139.19	102.56	64.71	77.79	679.83	13.0634	13.3873	0.1131	0.0040	0.0131	0.0176	0.0003
11:46:36	65.93	1.81	139.19	103.79	65.93	77.55	679.83	13.2227	13.5505	0.0000	0.0045	0.0148	0.0176	0.0003
11:46:37	65.93	1.81	139.19	103.79	65.93	77.55	679.83	13.3820	13.7138	0.1131	0.0050	0.0165	0.0194	0.0003
11:46:38	65.81	1.82	142.61	107.45	72.04	77.55	679.83	13.3820	13.7137	0.1131	0.0055	0.0182	0.0211	0.0004
11:46:39	65.81	1.82	142.61	109.89	73.26	77.55	679.83	13.5413	13.8770	0.1131	0.0060	0.0199	0.0229	0.0004
11:46:40	65.81	1.82	142.61	111.11	73.26	78.03	679.83	13.5413	13.8770	0.1131	0.0065	0.0217	0.0246	0.0004
11:46:41	65.81	1.82	142.61	108.67	74.48	77.55	679.83	14.0193	14.3690	0.1131	0.0070	0.0235	0.0264	0.0005
11:46:42	65.81	1.82	142.61	107.45	74.48	77.55	680.85	14.3379	14.6956	0.1131	0.0075	0.0254	0.0282	0.0005
11:46:43	65.81	1.82	143.10	107.45	75.70	77.55	678.31	14.4972	14.8589	0.1131	0.0081	0.0273	0.0300	0.0005
11:46:44	65.81	1.82	143.10	107.45	75.70	77.55	678.31	14.1786	14.5323	0.0000	0.0086	0.0292	0.0300	0.0005
11:46:45	62.88	1.84	143.10	103.79	68.38	77.31	679.83	14.0193	14.3690	0.1131	0.0091	0.0310	0.0317	0.0006
11:46:46	62.88	1.84	143.10	103.79	68.38	77.31	679.83	14.0193	14.3690	0.1131	0.0096	0.0329	0.0335	0.0006
11:46:47	62.88	1.84	142.61	101.34	62.27	77.31	680.34	14.0193	14.3690	0.1131	0.0101	0.0347	0.0353	0.0006
11:46:48	62.88	1.82	145.05	100.12	61.05	78.03	680.34	13.5413	13.8812	0.1131	0.0106	0.0365	0.0371	0.0007
11:46:49	62.88	1.82	145.05	100.12	61.05	78.03	680.34	13.5413	13.8812	0.1131	0.0111	0.0383	0.0389	0.0007
11:46:50	62.76	1.82	145.05	100.12	59.83	77.31	679.32	13.2227	13.5546	0.1131	0.0116	0.0400	0.0406	0.0007
11:46:51	62.76	1.82	145.54	102.56	61.05	77.55	680.85	13.0634	13.3892	0.1131	0.0120	0.0418	0.0424	0.0008
11:46:52	62.88	1.84	145.05	103.79	61.05	77.79	680.34	13.0634	13.3892	0.1131	0.0125	0.0435	0.0442	0.0008
11:46:53	62.76	1.84	145.05	102.56	61.05	78.03	680.34	13.0634	13.3892	0.1131	0.0129	0.0453	0.0460	0.0008
11:46:54	62.76	1.84	145.54	101.34	59.83	77.31	679.32	13.3820	13.7158	0.1131	0.0134	0.0471	0.0477	0.0008
11:46:55	62.76	1.84	145.05	100.12	57.39	77.55	693.56	13.5413	13.8827	0.1131	0.0139	0.0489	0.0495	0.0009
11:46:56	68.13	1.87	145.05	101.34	59.83	77.31	931.53	13.3820	13.7194	0.0000	0.0144	0.0507	0.0495	0.0009
11:46:57	68.13	1.87	145.05	103.79	64.71	77.55	995.09	13.2227	13.5561	0.1131	0.0148	0.0524	0.0513	0.0009
11:46:58	68.13	1.90	215.87	107.45	69.60	77.31	1209.66	13.0634	13.3927	0.1131	0.0153	0.0542	0.0531	0.0009
11:46:59	68.13	1.90	215.87	133.09	80.59	77.79	1359.66	13.2227	13.5612	3.7317	0.0158	0.0559	0.1132	0.0020
11:47:00	68.13	1.93	215.87	175.82	92.80	78.03	1496.44	13.5413	13.8879	4.4102	0.0163	0.0578	0.1841	0.0032
11:47:01	68.13	1.95	215.87	242.98	123.32	77.31	1680.00	14.0193	14.3841	5.7671	0.0169	0.0605	0.2784	0.0048
11:47:02	68.13	1.99	215.87	548.23	210.01	77.31	1680.00	17.3648	17.8167	8.0287	0.0175	0.0640	0.4098	0.0070
11:47:03	68.25	2.02	215.38	943.83	328.45	77.55	1885.42	22.9406	23.5462	9.4988	0.0184	0.0686	0.5674	0.0097
11:47:04	68.25	2.09	215.87	1515.26	512.82	77.31	1947.97	31.7027	32.5481	11.3081	0.0196	0.0749	0.7569	0.0128
11:47:05	68.25	2.12	215.87	1768.01	623.93	77.31	1918.48	71.5302	73.4799	11.3081	0.0224	0.0892	0.9506	0.0160
11:47:06	78.75	2.17	215.87	1768.01	623.93	77.31	1918.48	123.1467	126.5562	17.3014	0.0271	0.1137	1.2516	0.0208
11:47:07	78.75	2.23	215.87	1036.63	459.10	77.06	935.59	197.7038	203.3473	20.2415	0.0347	0.1532	1.6147	0.0264
11:47:08	78.75	2.23	215.87	1036.63	459.10	77.06	935.59	230.6810	237.3774	21.2592	0.0436	0.1992	2.0024	0.0323
11:47:09	78.75	2.28	285.23	665.45	337.00	77.06	950.85	230.6810	237.5558	21.2592	0.0538	0.2454	2.4001	0.0382
11:47:10	78.75	2.39	285.71	284.49	173.38	77.06	933.56	135.2543	139.3869	20.3545	0.0598	0.2724	2.7905	0.0439
11:47:11	78.75	2.42	285.71	233.21	173.38	77.06	933.56	135.2543	139.3869	20.3545	0.0658	0.2995	3.1808	0.0495
11:47:12	78.75	2.48	285.71	191.70	114.77	77.31	934.58	86.8240	89.5329	20.6938	0.0697	0.3224	3.5861	0.0553
11:47:13	78.75	2.52	285.71	177.05	105.01	77.55	934.58	37.1192	38.3353	20.4676	0.0713	0.3323	4.0068	0.0609
11:47:14	78.75	2.60	285.71	163.61	105.01	77.55	934.58	30.4282	31.4399	20.4676	0.0727	0.3404	4.4337	0.0666
11:47:15	78.75	2.64	285.23	153.85	91.58	76.82	936.10	25.0117	25.8635	20.3545	0.0738	0.3470	4.8685	0.0723
11:47:16	78.75	2.64	285.23	153.85	91.58	76.82	936.10	23.1000	23.8978	20.3545	0.0748	0.3532	5.3095	0.0779
11:47:17	81.32	2.66	285.71	150.18	87.91	77.55	938.64	21.3476	22.1079	20.3545	0.0758	0.3588	5.7641	0.0836
11:47:18	81.32	2.78	351.65	148.96	86.69	77.31	945.25	20.0731	20.7989	20.4676	0.0767	0.3642	6.2281	0.0893
11:47:19	81.32	2.82	351.16	147.74	87.91	77.31	945.25	20.0731	20.7989	20.4676	0.0776	0.3695	6.6922	0.0950
11:47:20	81.32	2.85	350.67	146.52	87.91	77.79	950.85	19.5951	20.3112	20.5807	0.0785	0.3747	7.1638	0.1007
11:47:21	81.32	2.90	351.16	145.30	86.69	77.06	952.88	19.4358	20.1765	20.5807	0.0794	0.3811	7.6551	0.1064
11:47:22	81.32	2.95	351.65	142.86	84.25	77.06	955.93	19.2765	20.0236	20.5807	0.0803	0.3874	8.1548	0.1121
11:47:23	81.32	3.00	351.16	141.64	83.03	77.06	955.93	19.1172	19.8654	20.5807	0.0812	0.3937	8.6595	0.1178
11:47:24	81.32	3.05	350.67	141.64	85.47	77.06	933.56	18.9579	19.7122	20.8069	0.0820	0.3999	9.1780	0.1236
11:47:25	81.32	3.05	350.67	141.64	85.47	77.06	933.56	18.6393	19.3940	20.9200	0.0829	0.4061	9.7085	0.1294
11:47:26	183.03	3.17	351.16	123.32	81.81	77.31	726.10	18.4800	19.2422	20.9200	0.0838	0.4121	10.2488	0.1352
11:47:27	183.03	3.28	351.16	116.00	78.14	77.31	726.10	18.4800	19.2543	20.3545	0.0846	0.4182	10.7828	0.1409
11:47:28	183.03	3.32	420.02	111.11	74.48	77.31	692.03	18.4800	19.2543	20.3545	0.0855	0.4243	11.3167	0.1465

1 K1	1	unitless	for flow calc	
2 K2	1	unitless	for NOx calc (expt deriv.)	K2=1/(1-0.0047*(H-75))
3 CO density	32.85	gm/ft^3	T=70 F, P=760 mmHG	H=grains of water/lbm dry air
4 NOx densit	53.96	gm/ft^3	T=70 F, P=760 mmHG	
5 Rhc	1.8	unitless	Diesel #2	
6 Ywi	0.03	unitless	for humidity comp. (from chart)	
7 gear ratio	3.58	unitless		
8 axle rev	16	pulses		
9 tire	114	inches		
10 interval	1	seconds		
11 CO2 densit	51.61	gm/ft^3	T=70 F, P=760 mmHG	
12 FF1	0.5			
13 FF2	0			

11:47:29	182.91	3.38	420.02	107.45	69.60	77.55	685.42	16.0903	16.7947	10.7427	0.0871	0.4298	11.6097	0.1495
11:47:30	182.91	3.50	420.02	105.01	65.93	77.06	680.85	15.1345	15.8167	6.1064	0.0887	0.4346	11.7812	0.1512
11:47:31	183.03	3.58	419.54	103.79	64.71	77.55	676.27	14.4972	15.1617	3.0532	0.0903	0.4403	11.8683	0.1521
11:47:32	183.03	3.69	419.54	102.56	64.71	77.55	678.31	14.0193	14.6741	1.4701	0.0917	0.4459	11.9111	0.1525
11:47:33	183.03	3.75	419.54	102.56	64.71	77.55	678.31	13.7007	14.3637	0.1131	0.0932	0.4513	11.9145	0.1525
11:47:34	183.03	3.82	420.02	102.56	64.71	77.31	678.31	13.5413	14.2107	0.1131	0.0946	0.4566	11.9180	0.1525
11:47:35	241.88	3.90	420.02	102.56	64.71	77.06	678.31	13.3820	14.0639	0.1131	0.0960	0.4619	11.9216	0.1526
11:47:36	241.88	3.98	420.02	105.01	65.93	77.31	1064.75	13.3820	14.0756	0.1131	0.0974	0.4673	11.9252	0.1526
11:47:37	241.88	4.07	419.54	114.77	70.82	77.06	1170.00	13.3820	14.0887	0.1131	0.0988	0.4726	11.9289	0.1526
11:47:38	241.88	4.11	463.49	114.77	70.82	77.06	1170.00	13.3820	14.1056	0.1131	0.1007	0.4779	11.9327	0.1527
11:47:39	241.88	4.15	463.49	192.92	87.91	77.31	1492.88	13.7007	14.4557	4.4102	0.1026	0.4834	12.0835	0.1539
11:47:40	241.88	4.15	463.49	192.92	87.91	77.31	1492.88	14.9752	15.8201	5.6540	0.1047	0.4893	12.2814	0.1555
11:47:41	241.88	4.21	463.00	278.39	105.01	77.06	1673.39	14.9752	15.8291	5.6540	0.1068	0.4959	12.4814	0.1570
11:47:42	241.88	4.28	463.49	1037.85	275.95	77.31	1824.41	25.1710	26.6201	9.4988	0.1103	0.5070	12.8205	0.1597
11:47:43	241.88	4.28	463.49	1037.85	275.95	77.31	1824.41	25.1710	26.6201	9.4988	0.1138	0.5181	13.1596	0.1623
11:47:44	241.88	4.33	463.49	1568.99	467.64	77.31	1790.34	36.3227	38.4417	11.1950	0.1189	0.5341	13.5646	0.1654
11:47:45	241.88	4.35	463.49	1589.74	485.96	76.82	1790.34	135.4136	143.4544	16.8491	0.1379	0.5939	14.1849	0.1701
11:47:46	241.88	4.35	463.49	1589.74	485.96	76.82	1746.10	135.4136	143.4544	16.8491	0.1569	0.6537	14.8051	0.1748
11:47:47	247.01	4.39	463.49	1282.05	434.68	77.06	998.14	204.7134	217.0039	20.0153	0.1857	0.7442	15.5500	0.1803
11:47:48	247.01	4.39	463.49	873.02	341.88	77.06	917.80	207.4217	219.9545	20.0153	0.2148	0.8359	16.2995	0.1859
11:47:49	247.01	4.40	508.42	343.10	188.03	76.82	939.15	207.4217	219.9545	20.9200	0.2439	0.9275	17.0830	0.1917
11:47:50	247.01	4.40	507.94	267.40	152.63	77.06	939.15	167.2756	177.4578	21.1461	0.2679	1.0015	17.8806	0.1976
11:47:51	247.01	4.40	507.94	267.40	152.63	77.06	942.20	113.9067	120.8403	20.0153	0.2843	1.0519	18.6355	0.2031
11:47:52	247.01	4.37	508.42	189.26	106.23	76.82	953.39	44.7661	47.4984	20.4676	0.2907	1.0736	19.4096	0.2088
11:47:53	247.01	4.34	508.42	177.05	101.34	76.82	953.39	34.8889	37.0184	20.4676	0.2957	1.0905	20.1837	0.2145
11:47:54	247.01	4.33	508.42	166.06	96.46	77.31	947.80	34.8889	37.0184	20.4676	0.3007	1.1074	20.9578	0.2202
11:47:55	247.01	4.28	508.42	163.61	96.46	76.82	945.76	24.6931	26.1921	20.9200	0.3042	1.1194	21.7447	0.2260
11:47:56	247.01	4.28	508.42	163.61	95.24	77.06	947.80	23.1000	24.4921	20.9200	0.3076	1.1306	22.5281	0.2318
11:47:57	262.88	4.26	508.42	162.39	92.80	77.06	947.80	21.6662	22.9684	20.6938	0.3107	1.1411	23.2969	0.2376
11:47:58	262.88	4.22	478.14	157.51	89.13	77.06	949.83	21.3476	22.6165	20.5807	0.3137	1.1514	24.0552	0.2433
11:47:59	262.88	4.22	478.14	157.51	89.13	77.06	949.83	21.3476	22.6165	20.6938	0.3168	1.1618	24.8177	0.2490
11:48:00	262.88	4.13	478.14	150.18	89.13	77.06	952.88	21.1882	22.4403	20.6938	0.3200	1.1720	25.5753	0.2548
11:48:01	262.76	4.08	478.63	147.74	87.91	77.06	949.32	20.5510	21.7541	20.8069	0.3231	1.1814	26.3300	0.2606
11:48:02	262.88	4.08	478.63	147.74	87.91	77.06	949.32	20.5510	21.7541	20.8069	0.3263	1.1908	27.0848	0.2663
11:48:03	262.88	4.05	478.14	145.30	86.69	77.31	944.75	19.5951	20.7176	20.9200	0.3292	1.1997	27.8275	0.2721
11:48:04	262.88	4.05	478.14	145.30	86.69	77.31	944.75	19.2765	20.3891	20.6938	0.3322	1.2084	28.5545	0.2779
11:48:05	262.88	4.02	478.14	142.86	86.69	77.06	876.10	19.2765	20.3891	20.6938	0.3351	1.2172	29.2815	0.2836
11:48:06	362.76	4.05	478.14	134.31	87.91	77.31	721.02	18.9579	20.0221	20.5807	0.3380	1.2258	29.9977	0.2894
11:48:07	362.64	4.08	478.63	134.31	87.91	77.31	721.02	18.9579	20.0221	20.5807	0.3409	1.2344	30.7138	0.2951
11:48:08	362.64	4.08	478.63	125.76	87.91	77.06	693.05	18.6393	19.6795	18.9976	0.3437	1.2429	31.3710	0.3004
11:48:09	362.76	4.16	449.82	116.00	76.92	77.06	683.39	17.5241	18.5131	10.2904	0.3474	1.2508	31.7298	0.3032
11:48:10	362.76	4.21	449.33	116.00	76.92	77.06	683.39	17.5241	18.5208	10.2904	0.3511	1.2588	32.0913	0.3061
11:48:11	362.76	4.28	449.82	111.11	73.26	77.31	679.83	16.4089	17.3422	5.5410	0.3545	1.2663	32.2860	0.3076
11:48:12	362.76	4.28	449.82	111.11	73.26	77.31	679.83	15.1345	16.0110	1.1308	0.3577	1.2728	32.3264	0.3079
11:48:13	362.76	4.32	449.33	109.89	69.60	77.06	677.80	15.1345	16.0226	1.1308	0.3609	1.2792	32.3674	0.3082
11:48:14	362.76	4.38	449.33	107.45	64.71	77.31	679.32	14.4972	15.3607	0.1131	0.3639	1.2854	32.3716	0.3083
11:48:15	362.76	4.46	449.82	105.01	63.49	77.31	679.32	14.4972	15.3607	0.1131	0.3670	1.2917	32.3757	0.3083
11:48:16	390.48	4.52	449.82	107.45	64.71	77.31	1048.98	14.3379	15.2005	0.1131	0.3700	1.2978	32.3799	0.3083
11:48:17	390.48	4.54	449.82	124.54	75.70	77.31	1200.00	14.0193	14.8750	0.1131	0.3729	1.3038	32.3842	0.3084
11:48:18	390.48	4.54	449.82	124.54	75.70	77.31	1200.00	13.7007	14.5513	0.1131	0.3758	1.3097	32.3885	0.3084
11:48:19	390.48	4.60	488.40	202.69	102.56	77.06	1520.34	14.0193	14.9027	4.4102	0.3790	1.3157	32.5599	0.3096
11:48:20	390.48	4.60	488.40	202.69	102.56	77.06	1520.34	16.2496	17.2781	6.1064	0.3827	1.3227	32.7982	0.3113
11:48:21	390.35	4.62	487.91	285.71	133.09	77.06	1704.41	16.2496	17.2781	6.1064	0.3864	1.3297	33.0366	0.3130
11:48:22	390.60	4.66	488.40	825.40	269.84	77.06	1798.98	26.4455	28.1425	9.8380	0.3924	1.3421	33.4258	0.3157
11:48:23	390.48	4.68	487.91	825.40	269.84	77.06	1798.98	26.4455	28.1425	9.8380	0.3984	1.3544	33.8151	0.3185
11:48:24	390.48	4.68	487.91	1379.73	421.25	77.06	1793.90	37.2786	39.6790	11.6473	0.4069	1.3718	34.2775	0.3217
11:48:25	390.48	4.68	487.91	1523.81	568.54	77.31	1751.19	107.6936	114.6935	16.1706	0.4314	1.4222	34.9254	0.3262
11:48:26	355.68	4.68	487.91	1523.81	568.54	77.31	1751.19	107.6936	114.7290	16.1706	0.4560	1.4726	35.5768	0.3307
11:48:27	355.68	4.68	488.40	855.92	399.27	77.06	933.56	180.0204	191.7807	18.0929	0.4970	1.5567	36.3053	0.3357
11:48:28	355.68	4.68	488.40	855.92	399.27	77.06	933.56	198.8190	211.8073	21.0330	0.5423	1.6497	37.1523	0.3416
11:48:29	355.80	4.68	528.45	572.65	304.03	77.06	939.15	198.8190	211.7938	21.0330	0.5835	1.7426	37.9993	0.3474
11:48:30	355.68	4.63	528.45	271.06	168.50	77.31	944.75	111.6764	118.9643	20.3545	0.6067	1.7948	38.8190	0.3531
11:48:31	355.80	4.60	528.45	229.55	168.50	77.31	944.75	111.6764	118.9643	20.3545	0.6298	1.8471	39.6387	0.3587
11:48:32	355.68	4.57	528.45	197.80	122.10	77.55	945.76	74.7164	79.5924	20.4676	0.6453	1.8849	40.4630	0.3644
11:48:33	355.68	4.52	528.45	181.93	108.67	77.06	947.29	35.3668	37.6476	20.6938	0.6527	1.9028	41.2866	0.3702
11:48:34	355.56	4.48	527.96	172.16	102.56	77.06	948.81	29.9503	31.8686	20.6938	0.6589	1.9180	42.1047	0.3759
11:48:35	328.94	4.43	528.94	167.28	98.90	77.06	948.81	25.8082	27.4513	20.6938	0.6642	1.9310	42.9179	0.3816
11:48:36	328.94	4.40	527.96	163.61	95.24	77.06	948.81	23.7372	25.2327	20.8069	0.6691	1.9430	43.7272	0.3874
11:48:37	328.94	4.40	527.96	163.61	95.24	77.06	948.81	22.4627	23.8644	20.8069	0.6738	1.9543	44.5288	0.3932
11:48:38	328.82	4.30	482.54	151.40	89.13	77.06	948.81	21.8255	23.1719	20.5807	0.6780	1.9654	45.3133	0.3989
11:48:39	328.94	4.25	482.54	150.18	87.91	77.31	950.34	21.3476	22.6551	20.6938	0.6820	1.9761	46.0967	0.4047
11:48:40	328.94	4.19	482.05	146.52	86.69	77.06	951.86	21.3476	22.6551	20.6938	0.6861	1.9869	46.8800	0.4104

11:48:41	328.94	4.19	482.05	146.52	86.69	77.06	951.86	19.7544	20.9373	20.8069	0.6899	1.9960	47.6501	0.4162
11:48:42	328.94	4.15	482.05	142.86	86.69	77.06	953.90	19.5951	20.7545	20.6938	0.6936	2.0050	48.4070	0.4219
11:48:43	328.94	4.11	482.54	137.97	86.69	77.31	957.97	19.1172	20.2326	20.9200	0.6973	2.0137	49.1617	0.4278
11:48:44	328.94	4.05	482.54	134.31	86.69	77.06	856.27	19.1172	20.2326	20.9200	0.7009	2.0225	49.9163	0.4336
11:48:45	369.72	4.05	482.54	134.31	86.69	77.06	856.27	18.6393	19.7145	20.8069	0.7045	2.0310	50.6585	0.4394
11:48:46	369.72	4.04	482.54	125.78	83.03	77.06	680.85	18.0020	19.0316	21.0330	0.7079	2.0393	51.4024	0.4452
11:48:47	369.60	4.04	482.54	117.22	79.37	77.06	711.86	17.5241	18.5120	18.4322	0.7112	2.0473	52.0450	0.4503
11:48:48	369.60	4.06	482.54	111.11	76.92	77.31	689.49	17.5241	18.5134	18.4322	0.7150	2.0554	52.6876	0.4554
11:48:49	369.72	4.06	435.65	108.67	75.70	77.31	685.93	16.4089	17.3325	12.8912	0.7185	2.0629	53.1358	0.4590
11:48:50	369.72	4.06	435.65	108.67	75.70	77.31	685.93	15.2938	16.1546	8.9334	0.7217	2.0699	53.4463	0.4615
11:48:51	369.72	4.14	435.65	107.45	75.70	77.31	679.32	14.4972	15.3164	4.4102	0.7248	2.0766	53.6002	0.4627
11:48:52	369.72	4.22	436.14	107.45	75.70	77.31	678.81	14.1786	14.9798	2.3747	0.7279	2.0824	53.6831	0.4634
11:48:53	369.72	4.22	436.14	107.45	75.70	77.31	678.81	14.1786	14.9798	2.3747	0.7309	2.0883	53.7660	0.4640
11:48:54	369.72	4.30	436.14	109.89	75.70	77.06	678.81	14.0193	14.8276	0.1131	0.7339	2.0941	53.7700	0.4641
11:48:55	358.00	4.33	436.14	109.89	75.70	77.31	972.71	14.0193	14.8437	0.1131	0.7369	2.0999	53.7741	0.4641
11:48:56	358.24	4.38	435.65	118.44	80.59	77.31	1099.32	14.0193	14.8437	0.1131	0.7399	2.1057	53.7782	0.4641
11:48:57	358.12	4.41	435.65	133.09	86.69	77.31	1192.88	14.3379	15.1968	0.1131	0.7430	2.1117	53.7824	0.4642
11:48:58	358.12	4.44	473.75	174.60	94.02	77.55	1376.95	14.3379	15.2035	3.8447	0.7460	2.1177	53.9257	0.4652
11:48:59	358.12	4.47	474.24	219.78	108.67	77.31	1510.17	15.4531	16.3954	4.9756	0.7492	2.1241	54.1130	0.4666
11:49:00	358.00	4.47	473.75	312.58	131.87	77.31	1688.65	17.3648	18.4322	6.2194	0.7528	2.1313	54.3491	0.4683
11:49:01	358.12	4.50	473.75	312.58	131.87	77.31	1688.65	22.7813	24.1905	8.2549	0.7575	2.1416	54.6643	0.4706
11:49:02	358.24	4.50	473.75	974.36	366.30	77.55	1681.02	28.6758	30.4638	9.7250	0.7635	2.1546	55.0387	0.4733
11:49:03	358.12	4.51	474.24	1128.20	426.13	77.31	1836.10	40.7834	43.3262	11.5342	0.7720	2.1731	55.4826	0.4765
11:49:04	358.12	4.51	474.24	1439.56	507.94	77.55	1921.53	40.7834	43.3419	11.5342	0.7805	2.1915	55.9293	0.4797
11:49:05	358.12	4.51	474.24	1439.56	507.94	77.55	1921.53	127.1295	135.1049	16.0575	0.8070	2.2491	56.5512	0.4842
11:49:06	313.43	4.50	474.24	1630.04	611.72	77.31	1733.90	147.2025	156.4615	18.6583	0.8377	2.3158	57.2756	0.4894
11:49:07	313.43	4.50	474.24	1244.20	537.24	77.31	939.66	187.8266	199.6408	20.5807	0.8768	2.4010	58.0747	0.4951
11:49:08	313.43	4.47	512.33	555.56	319.90	77.31	950.34	187.8266	199.6408	20.5807	0.9160	2.4861	58.8738	0.5008
11:49:09	313.43	4.47	512.33	555.56	319.90	77.31	950.34	212.6789	226.0027	20.9200	0.9548	2.5825	59.6839	0.5066
11:49:10	313.43	4.46	511.84	337.00	230.77	77.55	952.88	162.3370	172.5070	20.2415	0.9844	2.6561	60.4678	0.5123
11:49:11	313.43	4.46	512.33	269.84	200.24	77.55	937.12	72.4861	76.9993	20.6938	0.9976	2.6916	61.2644	0.5180
11:49:12	313.43	4.42	512.33	211.23	146.52	77.31	928.47	72.4861	76.9993	20.6938	1.0108	2.7270	62.0609	0.5238
11:49:13	313.43	4.41	511.84	189.26	122.10	77.31	930.51	43.9696	46.6952	20.8069	1.0188	2.7485	62.8583	0.5295
11:49:14	313.43	4.41	511.84	189.26	122.10	77.55	930.51	35.2075	37.3900	20.4676	1.0252	2.7658	63.6427	0.5352
11:49:15	313.43	4.32	511.84	158.73	94.02	77.31	931.53	27.5607	29.2570	20.3545	1.0302	2.7792	64.4172	0.5409
11:49:16	313.43	4.32	511.84	158.73	94.02	77.31	931.53	24.6931	26.2088	20.3545	1.0347	2.7913	65.1898	0.5465
11:49:17	276.31	4.30	512.33	151.40	90.35	77.31	933.56	24.6931	26.2088	20.3545	1.0392	2.8034	65.9623	0.5522
11:49:18	276.19	4.24	512.33	144.08	87.91	77.55	935.59	20.7103	21.9555	20.3545	1.0430	2.8135	66.7191	0.5578
11:49:19	276.31	4.21	511.84	141.64	86.69	77.31	938.14	20.7103	21.9555	20.3545	1.0468	2.8236	67.4759	0.5635
11:49:20	276.31	4.15	486.45	144.08	86.69	77.31	940.17	19.7544	20.9331	20.3545	1.0499	2.8332	68.2280	0.5691
11:49:21	276.31	4.14	485.96	146.52	86.69	77.31	941.19	18.7986	19.9058	20.3545	1.0529	2.8424	68.9704	0.5748
11:49:22	276.31	4.08	485.96	146.52	86.69	77.55	945.25	18.4800	19.5603	20.4676	1.0559	2.8514	69.7115	0.5805
11:49:23	276.31	4.05	485.96	147.74	84.25	77.31	946.27	18.7986	19.8831	20.5807	1.0589	2.8601	70.4470	0.5862
11:49:24	276.31	4.03	486.45	148.96	84.25	77.31	947.80	19.1172	20.2149	20.4676	1.0620	2.8689	71.1750	0.5919
11:49:25	276.31	4.01	485.96	148.96	84.25	77.55	947.80	19.1172	20.2003	20.5807	1.0650	2.8778	71.8973	0.5976
11:49:26	276.31	4.00	485.96	144.08	83.03	77.31	644.24	19.2765	20.3601	20.6938	1.0681	2.8867	72.6181	0.6033
11:49:27	337.97	4.02	486.45	130.65	78.14	77.55	704.75	19.4358	20.5220	20.5807	1.0712	2.8956	73.3308	0.6091
11:49:28	337.97	4.02	486.45	116.00	73.26	77.55	694.58	19.4358	20.5188	20.6938	1.0743	2.9046	74.0453	0.6148
11:49:29	337.85	4.10	460.56	111.11	69.60	77.55	692.54	18.7986	19.8430	14.0220	1.0773	2.9133	74.5281	0.6187
11:49:30	337.85	4.10	460.07	107.45	67.16	77.31	686.95	17.0462	17.9990	9.4988	1.0806	2.9212	74.8563	0.6213
11:49:31	337.97	4.20	460.07	102.56	64.71	77.06	683.39	15.1345	15.9804	5.3148	1.0836	2.9282	75.0400	0.6228
11:49:32	337.85	4.26	460.07	102.56	64.71	77.55	683.39	14.4972	15.3242	2.8270	1.0864	2.9345	75.1397	0.6236
11:49:33	337.97	4.26	460.07	102.56	64.71	77.55	681.36	14.0193	14.8190	1.5831	1.0892	2.9406	75.1956	0.6240
11:49:34	337.85	4.35	459.58	101.34	64.71	77.31	682.88	13.3820	14.1645	0.4523	1.0918	2.9465	75.2119	0.6242
11:49:35	344.32	4.40	459.58	101.34	64.71	77.31	682.88	13.3820	14.1748	0.4523	1.0944	2.9524	75.2285	0.6243
11:49:36	344.32	4.44	460.07	107.45	64.71	77.31	1008.81	13.3820	14.1748	0.1131	1.0970	2.9582	75.2326	0.6243
11:49:37	344.32	4.44	460.07	107.45	69.60	77.31	1134.41	13.2227	14.0241	0.0000	1.0996	2.9640	75.2326	0.6243
11:49:38	344.32	4.51	480.10	122.10	75.70	77.31	1235.59	13.2227	14.0323	0.0000	1.1023	2.9698	75.2326	0.6243
11:49:39	344.32	4.52	480.59	210.01	106.23	77.06	1573.22	14.0193	14.8861	4.0709	1.1051	2.9760	75.3881	0.6255
11:49:40	344.32	4.55	480.59	321.12	139.19	77.06	1573.22	14.0193	14.8861	5.2017	1.1079	2.9821	75.5867	0.6269
11:49:41	344.32	4.55	480.59	321.12	139.19	77.06	1894.07	15.9310	16.9318	6.5587	1.1111	2.9894	75.8412	0.6287
11:49:42	344.32	4.55	480.10	1036.63	328.45	77.31	1715.59	27.4013	29.1271	10.4034	1.1166	3.0020	76.2458	0.6316
11:49:43	344.32	4.55	480.10	1036.63	328.45	77.31	1715.59	41.8986	44.5535	12.2127	1.1250	3.0213	76.7237	0.6350
11:49:44	344.32	4.55	480.10	1194.14	404.15	77.55	1823.39	41.8986	44.5535	12.2127	1.1334	3.0405	77.2015	0.6384
11:49:45	344.32	4.55	480.10	1368.74	477.41	77.06	1846.78	135.2543	143.8250	16.6229	1.1605	3.1026	77.8520	0.6430
11:49:46	315.38	4.55	480.10	923.08	407.81	77.06	1433.90	135.2543	143.8250	16.6229	1.1876	3.1647	78.5024	0.6476
11:49:47	315.38	4.53	480.10	637.36	315.02	77.31	946.78	155.8053	165.6782	18.8845	1.2188	3.2363	79.2414	0.6529
11:49:48	315.38	4.53	500.61	440.78	219.78	77.31	946.78	178.5866	189.9031	20.4676	1.2546	3.3183	80.0423	0.6586
11:49:49	315.38	4.53	500.61	440.78	219.78	77.31	950.85	120.4385	128.0635	20.3545	1.2768	3.3736	80.8387	0.6642
11:49:50	315.38	4.50	500.61	242.98	153.85	77.31	943.22	83.1599	88.3974	20.6938	1.2920	3.4117	81.6443	0.6700
11:49:51	315.38	4.46	500.61	201.47	129.43	77.31	943.22	57.5110	61.1330	20.8069	1.3026	3.4393	82.4543	0.6758
11:49:52	315.38	4.44	500.61	186.81	129.43	77.31	941.70	57.5110	61.1330	20.8069	1.3131	3.4668	83.2642	0.6815

11:49:53	315.38	4.44	500.61	186.81	119.66	77.06	942.71	31.7027	33.6872	20.4676	1.3189	3.4819	84.0562	0.6872
11:49:54	315.38	4.37	500.61	167.28	102.56	77.31	945.76	26.2862	27.9186	20.5807	1.3238	3.4945	84.8463	0.6929
11:49:55	293.28	4.32	500.61	164.84	100.12	77.06	947.80	24.3744	25.8801	20.5807	1.3282	3.5062	85.6322	0.6987
11:49:56	293.16	4.28	500.61	166.06	98.90	77.06	947.80	24.3744	25.8801	20.4676	1.3327	3.5178	86.4139	0.7043
11:49:57	293.16	4.28	500.61	166.06	98.90	77.55	946.27	21.8255	23.1509	20.5807	1.3367	3.5282	87.1867	0.7101
11:49:58	293.28	4.18	473.75	157.51	92.80	77.31	935.09	21.5069	22.7979	20.6938	1.3404	3.5385	87.9554	0.7158
11:49:59	293.28	4.14	474.24	146.52	90.35	77.31	935.09	21.6662	22.9549	20.6938	1.3440	3.5488	88.7172	0.7216
11:50:00	293.28	4.14	474.24	146.52	90.35	77.55	935.09	21.6662	22.9549	20.6938	1.3477	3.5592	89.4790	0.7273
11:50:01	293.28	4.05	474.24	144.08	89.13	77.31	934.07	20.5510	21.7452	20.4676	1.3512	3.5684	90.2152	0.7330
11:50:02	293.28	4.05	473.75	145.30	90.35	77.06	938.64	19.1172	20.2166	20.4676	1.3545	3.5771	90.9439	0.7387
11:50:03	293.28	4.01	474.73	147.74	91.58	77.06	904.07	19.1172	20.2166	20.4676	1.3577	3.5857	91.6726	0.7444
11:50:04	293.16	3.98	474.73	147.74	91.58	77.06	904.07	18.7986	19.8570	20.3545	1.3609	3.5942	92.3823	0.7500
11:50:05	293.16	3.98	474.24	141.64	89.13	77.55	688.98	18.9579	20.0253	20.5807	1.3641	3.6027	93.0998	0.7557
11:50:06	343.22	4.00	473.75	122.10	83.03	77.55	702.71	19.2765	20.3513	19.6761	1.3674	3.6114	93.7792	0.7612
11:50:07	343.22	4.03	473.75	122.10	83.03	77.55	702.71	19.2765	20.3418	19.6761	1.3707	3.6201	94.4526	0.7667
11:50:08	343.22	4.03	474.24	114.77	80.59	77.55	690.51	18.4800	19.5012	14.9267	1.3738	3.6284	94.9635	0.7708
11:50:09	343.22	4.05	449.82	112.33	78.14	77.55	685.93	15.9310	16.8182	7.9157	1.3769	3.6355	95.2360	0.7730
11:50:10	343.35	4.13	449.82	108.67	74.48	77.55	677.80	15.9310	16.8234	7.9157	1.3801	3.6427	95.5101	0.7752
11:50:11	343.22	4.17	450.31	108.67	74.48	77.31	680.85	14.9752	15.8140	3.9578	1.3831	3.6495	95.6471	0.7763
11:50:12	343.22	4.20	449.82	106.23	72.04	77.31	680.85	14.6565	15.4832	2.2616	1.3860	3.6557	95.7260	0.7769
11:50:13	343.22	4.24	449.33	106.23	72.04	77.31	678.81	14.1786	14.9930	0.4523	1.3888	3.6618	95.7421	0.7771
11:50:14	343.22	4.29	449.33	105.01	70.82	77.31	678.31	14.1786	15.0016	0.1131	1.3916	3.6679	95.7461	0.7771
11:50:15	343.22	4.29	449.33	105.01	70.82	77.31	678.31	13.8600	14.6697	0.1131	1.3944	3.6738	95.7502	0.7771
11:50:16	343.22	4.34	449.33	106.23	72.04	77.55	991.02	13.8600	14.6789	0.1131	1.3971	3.6797	95.7543	0.7771
11:50:17	330.28	4.37	449.82	113.55	75.70	77.55	1094.24	13.7007	14.5184	0.1131	1.3999	3.6856	95.7585	0.7772
11:50:18	330.40	4.41	449.82	151.40	85.47	77.55	1235.59	13.7007	14.5184	0.1131	1.4026	3.6915	95.7627	0.7772
11:50:19	330.28	4.44	480.10	175.82	92.80	77.55	1362.71	13.8600	14.6971	4.0709	1.4054	3.6974	95.9146	0.7783
11:50:20	330.28	4.48	480.10	236.87	117.22	77.31	1593.56	14.8158	15.7177	5.0886	1.4082	3.7038	96.1060	0.7796
11:50:21	330.28	4.50	480.10	358.97	151.40	77.55	1810.17	19.7544	20.9677	6.8979	1.4120	3.7122	96.3678	0.7817
11:50:22	330.40	4.52	480.59	866.91	283.27	77.31	1805.59	22.9406	24.3584	8.2549	1.4164	3.7228	96.6830	0.7840
11:50:23	330.40	4.52	480.59	866.91	283.27	77.55	1805.59	30.9062	32.8349	10.7427	1.4223	3.7369	97.0973	0.7869
11:50:24	330.28	4.52	480.10	1428.57	470.09	77.79	1797.97	46.8372	49.7704	12.2127	1.4313	3.7584	97.5698	0.7903
11:50:25	330.28	4.53	480.10	1545.79	599.51	77.55	1118.65	113.1102	120.2248	16.3967	1.4531	3.8104	98.2070	0.7949
11:50:26	330.28	4.53	480.10	1545.79	599.51	77.55	1118.65	113.1102	120.2248	16.3967	1.4748	3.8623	98.8442	0.7995
11:50:27	293.77	4.53	480.10	1114.77	489.62	77.06	934.58	186.3928	198.1169	18.8645	1.5107	3.9479	99.5780	0.8047
11:50:28	293.77	4.53	480.59	605.62	327.23	77.55	941.70	201.6868	214.3948	21.3723	1.5494	4.0405	100.4100	0.8106
11:50:29	293.77	4.51	511.84	422.47	260.07	77.31	946.78	201.6868	214.3948	21.3723	1.5882	4.1330	101.2420	0.8166
11:50:30	293.77	4.47	512.33	289.38	194.14	77.55	941.19	145.4501	154.6046	20.3545	1.6131	4.1998	102.0344	0.8222
11:50:31	293.77	4.47	512.33	289.38	194.14	77.55	941.19	79.0178	83.9911	20.4676	1.6266	4.2361	102.8311	0.8279
11:50:32	293.77	4.42	512.33	212.45	142.86	77.31	942.20	55.1213	58.5754	20.6938	1.6360	4.2630	103.6332	0.8337
11:50:33	293.65	4.37	511.84	170.94	111.11	77.55	944.75	37.7565	40.1017	20.5807	1.6424	4.2815	104.4240	0.8394
11:50:34	293.77	4.32	511.84	170.94	111.11	77.55	944.75	37.7565	40.1017	20.5807	1.6489	4.3000	105.2148	0.8451
11:50:35	293.77	4.32	512.33	162.39	103.79	77.55	945.76	27.7199	29.4235	20.4676	1.6536	4.3136	105.9930	0.8508
11:50:36	272.41	4.28	511.84	156.29	101.34	77.55	943.22	22.3034	23.6594	20.5807	1.6574	4.3244	106.7672	0.8565
11:50:37	272.28	4.24	512.33	159.95	112.33	77.55	935.59	22.3034	23.6435	20.5807	1.6612	4.3353	107.5324	0.8622
11:50:38	272.41	4.20	512.33	161.17	106.23	77.79	937.12	21.1882	22.4613	20.5807	1.6648	4.3457	108.2976	0.8679
11:50:39	272.41	4.20	512.33	161.17	106.23	77.79	937.12	20.3917	21.6049	20.5807	1.6681	4.3556	109.0559	0.8736
11:50:40	272.53	4.09	488.40	137.97	90.35	77.55	938.14	20.8696	22.0986	20.3545	1.6714	4.3658	109.7984	0.8793
11:50:41	272.53	4.09	488.40	137.97	90.35	77.55	938.14	21.0289	22.2558	20.4676	1.6747	4.3761	110.5381	0.8850
11:50:42	272.41	4.05	487.91	134.31	89.13	77.55	938.14	21.0289	22.2558	20.4676	1.6780	4.3863	111.2778	0.8907
11:50:43	272.41	4.02	488.40	135.53	87.91	77.31	939.15	18.0020	19.0247	20.3545	1.6808	4.3947	111.9943	0.8963
11:50:44	272.41	3.98	488.40	134.31	86.69	77.55	940.17	18.0020	19.0247	20.3545	1.6837	4.4030	112.7108	0.9020
11:50:45	272.41	3.98	487.91	133.09	86.69	77.55	834.41	17.5241	18.5081	20.4676	1.6864	4.4111	113.4230	0.9077
11:50:46	272.41	3.96	488.40	123.32	83.03	77.79	723.58	17.6834	18.6698	20.4676	1.6892	4.4193	114.1303	0.9133
11:50:47	325.27	4.00	488.40	116.00	80.59	77.55	716.44	17.5241	18.4928	20.5807	1.6920	4.4275	114.8354	0.9191
11:50:48	325.27	4.00	488.40	112.33	78.14	77.55	700.66	17.3648	18.3247	18.0929	1.6947	4.4355	115.4553	0.9241
11:50:49	325.27	4.04	461.54	108.67	75.70	77.79	694.58	16.0903	16.9754	12.7781	1.6972	4.4430	115.8909	0.9276
11:50:50	325.27	4.06	461.54	107.45	73.26	77.79	687.46	15.1345	15.9759	9.4988	1.7001	4.4500	116.2176	0.9303
11:50:51	325.27	4.08	461.54	106.23	72.04	77.55	680.34	14.6565	15.4714	6.4456	1.7028	4.4568	116.4393	0.9321
11:50:52	325.27	4.16	461.54	103.79	68.38	77.79	681.86	14.1786	14.9747	3.0532	1.7055	4.4630	116.5453	0.9329
11:50:53	325.27	4.18	462.03	103.79	67.16	77.55	681.86	14.0193	14.8110	1.3570	1.7081	4.4691	116.5927	0.9333
11:50:54	325.27	4.23	461.54	102.56	64.71	77.55	681.86	13.8600	14.6472	0.3392	1.7108	4.4752	116.6046	0.9334
11:50:55	325.27	4.28	461.54	102.56	64.71	77.55	681.86	13.5413	14.3246	0.1131	1.7133	4.4812	116.6087	0.9334
11:50:56	325.27	4.32	462.03	102.56	65.93	77.55	1016.44	13.5413	14.3291	0.1131	1.7159	4.4871	116.6127	0.9335
11:50:57	328.33	4.37	461.54	109.89	70.82	77.55	1125.76	13.3820	14.1693	0.1131	1.7184	4.4930	116.6169	0.9335
11:50:58	328.45	4.40	461.54	125.76	75.70	77.31	1233.56	13.3820	14.1781	0.1131	1.7209	4.4989	116.6210	0.9335
11:50:59	328.45	4.43	461.54	153.85	84.25	77.55	1407.97	13.3820	14.1862	4.2971	1.7234	4.5046	116.7806	0.9347
11:51:00	328.33	4.46	476.19	217.34	105.01	77.31	1555.43	14.3379	15.2098	5.2017	1.7262	4.5111	116.9762	0.9362
11:51:01	328.33	4.48	476.68	318.68	136.75	77.55	1887.46	16.4089	17.4140	6.6718	1.7293	4.5183	117.2287	0.9380
11:51:02	328.45	4.48	476.68	749.69	238.10	77.31	1808.65	20.0731	21.3113	8.0287	1.7331	4.5272	117.5348	0.9402
11:51:03	328.33	4.51	476.68	1029.30	333.33	77.79	1609.83	28.3572	30.1174	10.2904	1.7385	4.5401	117.9295	0.9431
11:51:04	328.33	4.51	476.19	1052.50	376.07	77.55	1810.17	41.5799	44.1746	12.0997	1.7465	4.5590	118.3960	0.9465

11:51:05	328.45	4.51	476.68	1235.65	450.55	77.55	1903.22	97.8164	103.9203	15.0398	1.7652	4.6036	118.9759	0.9506
11:51:06	328.45	4.49	476.19	1482.30	577.53	77.31	1716.61	134.2984	142.7231	16.1706	1.7908	4.6647	119.6027	0.9551
11:51:07	291.82	4.49	476.19	1159.95	523.81	77.31	958.47	137.3253	145.9399	18.6583	1.8171	4.7272	120.3259	0.9603
11:51:08	291.82	4.47	476.19	783.88	402.93	77.55	942.20	161.2218	171.3355	20.3545	1.8479	4.8007	121.1148	0.9660
11:51:09	291.82	4.45	492.31	450.55	268.62	77.55	953.39	193.4024	205.4924	20.9200	1.8848	4.8887	121.9229	0.9718
11:51:10	291.82	4.44	492.31	343.10	211.23	77.55	948.81	151.3446	160.7946	20.8069	1.9105	4.9576	122.7266	0.9776
11:51:11	291.82	4.42	491.82	283.27	175.82	77.31	944.75	102.2771	108.6409	20.5807	1.9279	5.0041	123.5187	0.9833
11:51:12	291.70	4.36	492.31	227.11	150.18	77.31	945.76	58.7854	62.4205	20.9200	1.9378	5.0317	124.3190	0.9891
11:51:13	291.82	4.35	492.80	192.92	120.88	77.31	942.71	44.7661	47.5269	20.8069	1.9454	5.0528	125.1129	0.9949
11:51:14	291.82	4.31	492.31	175.82	106.23	77.31	941.19	36.9599	39.2312	20.6938	1.9517	5.0701	125.8997	1.0006
11:51:15	291.82	4.25	492.31	155.07	94.02	77.55	939.15	29.6317	31.4282	20.5807	1.9567	5.0840	126.6719	1.0063
11:51:16	291.82	4.19	491.82	146.52	89.13	77.55	939.15	25.1710	26.6929	20.5807	1.9610	5.0959	127.4419	1.0120
11:51:17	270.45	4.13	492.31	142.86	86.69	77.31	939.15	22.9406	24.3139	20.4676	1.9649	5.1066	128.2002	1.0177
11:51:18	270.33	4.09	492.80	139.19	84.25	77.55	939.15	20.2324	21.4269	20.4676	1.9683	5.1161	128.9481	1.0234
11:51:19	270.33	4.05	463.49	139.19	84.25	77.31	939.15	19.1172	20.2312	20.4676	1.9715	5.1251	129.6865	1.0291
11:51:20	270.33	3.98	463.00	139.19	84.25	77.55	940.68	18.6393	19.7083	20.4676	1.9744	5.1338	130.4138	1.0348
11:51:21	270.33	3.96	463.98	139.19	84.25	77.55	942.20	18.1614	19.1930	20.5807	1.9773	5.1423	131.1382	1.0405
11:51:22	270.33	3.90	463.00	140.42	83.03	77.31	942.20	18.1614	19.1821	20.4676	1.9801	5.1503	131.8511	1.0462
11:51:23	270.33	3.89	463.49	137.97	81.81	77.31	944.75	18.1614	19.1642	20.4676	1.9830	5.1583	132.5516	1.0519
11:51:24	270.33	3.87	463.49	136.75	83.03	77.31	906.10	18.1614	19.1592	20.5807	1.9858	5.1663	133.2526	1.0576
11:51:25	270.33	3.87	463.49	129.43	80.59	77.31	648.31	18.3207	19.3133	20.5807	1.9887	5.1743	133.9438	1.0633
11:51:26	270.33	3.87	463.49	120.88	78.14	77.55	718.98	18.0020	18.9744	20.6938	1.9915	5.1822	134.6368	1.0691
11:51:27	315.87	3.88	463.49	116.00	76.92	77.55	691.53	17.8427	18.7997	19.7892	1.9942	5.1900	135.2948	1.0746
11:51:28	315.87	3.88	463.49	111.11	74.48	77.31	693.05	16.8869	17.7926	13.1174	1.9969	5.1975	135.7310	1.0782
11:51:29	315.75	3.90	436.14	108.67	72.04	77.55	684.41	15.7717	16.6176	9.2726	1.9993	5.2044	136.0393	1.0808
11:51:30	315.87	3.92	436.14	106.23	68.38	77.31	680.85	15.1345	15.9500	6.6718	2.0021	5.2110	136.2618	1.0826
11:51:31	315.87	3.98	436.14	105.01	64.71	77.31	678.81	14.4972	15.2784	2.9401	2.0047	5.2174	136.3599	1.0834
11:51:32	315.87	4.03	436.14	102.56	64.71	77.55	678.81	14.1786	14.9473	1.2439	2.0073	5.2233	136.4016	1.0838
11:51:33	315.87	4.06	436.14	102.56	64.71	77.31	678.81	13.8600	14.6159	0.1131	2.0099	5.2290	136.4055	1.0838
11:51:34	315.87	4.12	436.14	102.56	64.71	77.31	679.83	13.7007	14.4577	0.1131	2.0124	5.2347	136.4093	1.0838
11:51:35	315.87	4.17	436.14	102.56	68.38	77.31	834.92	13.3820	14.1309	0.1131	2.0148	5.2402	136.4132	1.0839
11:51:36	315.87	4.20	435.65	105.01	70.82	77.31	970.68	13.3820	14.1383	0.1131	2.0172	5.2458	136.4172	1.0839
11:51:37	309.89	4.22	435.65	111.11	73.26	77.31	1045.93	13.3820	14.1478	0.1131	2.0197	5.2513	136.4212	1.0839
11:51:38	309.89	4.27	436.14	123.32	76.92	77.31	1282.37	13.3820	14.1580	2.2616	2.0221	5.2569	136.5023	1.0846
11:51:39	309.89	4.27	462.03	167.28	85.47	77.31	1433.90	13.7007	14.5011	3.9578	2.0246	5.2625	136.6454	1.0857
11:51:40	309.77	4.33	461.54	223.44	101.34	77.06	1711.02	14.4972	15.3473	4.9756	2.0273	5.2686	136.8258	1.0871
11:51:41	309.89	4.33	462.03	522.59	162.39	77.31	1905.76	16.0903	17.0461	6.3325	2.0301	5.2752	137.0585	1.0888
11:51:42	309.89	4.34	461.54	942.61	271.06	77.06	1825.93	21.8255	23.1220	8.7072	2.0341	5.2849	137.3785	1.0912
11:51:43	309.89	4.34	461.54	1410.26	479.85	77.31	1804.07	29.1538	30.9079	11.6473	2.0393	5.2977	137.8119	1.0945
11:51:44	309.89	4.36	461.54	1577.53	586.08	77.31	1850.34	68.1847	72.2874	13.2305	2.0516	5.3277	138.3043	1.0981
11:51:45	309.89	4.38	462.03	1692.31	656.90	77.31	1800.00	122.9874	130.4145	16.6229	2.0737	5.3819	138.9251	1.1028
11:51:46	281.81	4.37	461.54	1420.02	571.43	77.31	1005.25	184.0031	195.1150	18.5453	2.1068	5.4628	139.6178	1.1079
11:51:47	281.68	4.37	461.54	973.14	442.00	77.06	933.56	205.8286	218.3149	20.0153	2.1438	5.5535	140.3687	1.1135
11:51:48	281.68	4.37	461.54	534.80	286.94	77.55	945.25	220.8038	234.2470	21.0330	2.1836	5.6508	141.1606	1.1193
11:51:49	281.68	4.35	485.96	385.84	223.44	77.31	945.25	185.2776	196.5173	21.3723	2.2139	5.7324	141.9632	1.1252
11:51:50	281.81	4.32	485.96	296.70	178.27	77.55	943.73	126.9702	134.6727	20.3545	2.2347	5.7883	142.7275	1.1309
11:51:51	281.81	4.31	485.96	229.55	136.75	77.06	944.75	69.7778	74.0108	20.5807	2.2461	5.8190	143.5003	1.1366
11:51:52	281.81	4.28	485.96	205.13	120.88	77.06	945.76	50.3420	53.3849	20.5807	2.2543	5.8423	144.2704	1.1423
11:51:53	281.81	4.26	486.45	188.03	109.89	77.06	945.76	38.7124	41.0374	20.5807	2.2607	5.8602	145.0358	1.1481
11:51:54	281.81	4.21	486.45	174.60	98.90	77.06	946.78	29.9503	31.7442	20.5807	2.2656	5.8741	145.7988	1.1538
11:51:55	281.68	4.19	485.96	164.84	94.02	77.31	947.80	26.7641	28.3554	20.6938	2.2699	5.8865	146.5605	1.1595
11:51:56	260.32	4.14	485.96	151.40	89.13	77.06	942.71	24.5338	25.9857	20.5807	2.2739	5.8979	147.3147	1.1652
11:51:57	260.32	4.11	486.45	144.08	87.91	77.31	941.70	22.7813	24.1134	20.5807	2.2777	5.9084	148.0599	1.1710
11:51:58	260.32	4.05	486.45	146.52	92.80	77.06	941.70	21.5069	22.7597	20.5807	2.2812	5.9184	148.8023	1.1767
11:51:59	260.32	4.03	476.68	151.40	92.80	77.06	939.66	19.7544	20.8903	20.5807	2.2841	5.9275	149.5357	1.1824
11:52:00	260.32	4.00	476.68	153.85	92.80	77.31	938.64	18.7986	19.8712	20.4676	2.2870	5.9362	150.2596	1.1881
11:52:01	260.32	3.95	476.19	151.40	89.13	77.55	938.64	19.1172	20.1913	20.5807	2.2899	5.9450	150.9764	1.1938
11:52:02	260.32	3.93	476.68	152.63	86.69	77.06	937.63	19.7544	20.8600	20.5807	2.2928	5.9540	151.6905	1.1995
11:52:03	260.44	3.90	476.19	150.18	85.47	77.31	939.15	20.0731	21.1868	20.4676	2.2958	5.9631	152.3944	1.2052
11:52:04	260.32	3.90	476.68	147.74	84.25	77.06	837.46	19.7544	20.8373	20.4676	2.2988	5.9720	153.0901	1.2109
11:52:05	260.32	3.90	476.68	147.74	84.25	77.55	837.46	19.9138	20.9999	20.4676	2.3018	5.9810	153.7824	1.2166
11:52:06	260.32	3.89	476.68	141.64	83.03	77.06	625.93	19.5951	20.6584	20.5807	2.3048	5.9898	154.4737	1.2223
11:52:07	316.36	3.89	476.19	119.68	75.70	77.31	698.64	19.2765	20.3208	18.2060	2.3077	5.9985	155.0852	1.2273
11:52:08	316.48	3.92	476.68	114.77	73.26	77.06	692.03	19.2765	20.3206	18.2060	2.3105	6.0073	155.6968	1.2324
11:52:09	316.36	3.96	467.89	111.11	69.60	77.55	682.88	18.4800	19.4778	13.1174	2.3133	6.0158	156.1359	1.2360
11:52:10	316.36	4.00	467.89	108.67	65.93	77.31	680.34	15.6124	16.4571	7.0110	2.3162	6.0226	156.3707	1.2380
11:52:11	316.36	4.05	468.38	106.23	64.71	77.31	680.34	14.9752	15.7919	4.1840	2.3189	6.0294	156.5119	1.2391
11:52:12	316.48	4.10	467.89	105.01	63.49	77.31	682.37	14.4972	15.2943	1.8093	2.3216	6.0359	156.5735	1.2396
11:52:13	316.48	4.14	467.89	106.23	65.93	77.31	682.37	14.1786	14.9674	0.6785	2.3242	6.0422	156.5968	1.2398
11:52:14	316.36	4.17	467.89	108.67	68.38	77.31	682.37	13.8600	14.6402	0.1131	2.3267	6.0483	156.6008	1.2399
11:52:15	316.48	4.24	467.89	108.67	65.93	77.31	711.36	13.7007	14.4824	0.1131	2.3292	6.0544	156.6048	1.2399
11:52:16	316.36	4.26	467.89	108.67	65.93	77.55	778.98	13.8600	14.6584	0.1131	2.3317	6.0606	156.6088	1.2399

11:52:17	316.85	4.31	467.89	108.87	65.93	77.31	984.92	14.1788	15.0008	0.1131	2.3343	6.0669	156.6128	1.2400
11:52:18	316.97	4.33	467.89	117.22	68.38	77.31	1193.90	14.1788	15.0156	0.4523	2.3369	6.0732	156.6294	1.2401
11:52:19	316.97	4.37	468.38	139.19	73.26	77.31	1357.63	14.1788	15.0179	3.0532	2.3395	6.0795	156.7411	1.2409
11:52:20	316.97	4.39	476.19	221.00	96.46	77.55	1618.98	14.1788	15.0296	3.9578	2.3421	6.0859	156.8880	1.2420
11:52:21	316.97	4.41	476.19	350.43	139.19	77.31	1862.54	15.2938	16.2150	5.9933	2.3450	6.0927	157.1113	1.2437
11:52:22	316.97	4.42	476.68	684.98	238.10	77.06	1884.41	18.1614	19.2663	7.8026	2.3483	6.1008	157.4048	1.2459
11:52:23	316.97	4.44	476.19	1257.63	423.69	77.31	1787.80	28.8351	30.5959	10.5165	2.3536	6.1139	157.8018	1.2488
11:52:24	316.85	4.44	476.68	1457.88	490.84	77.31	1873.73	45.7220	48.5264	12.3258	2.3620	6.1347	158.2692	1.2522
11:52:25	316.85	4.44	476.19	1700.85	611.72	76.82	1797.46	89.3730	94.8744	15.2659	2.3785	6.1754	158.8501	1.2565
11:52:26	316.85	4.44	476.19	1582.42	616.61	77.31	1096.27	164.0894	174.2261	17.7537	2.4087	6.2500	159.5281	1.2614
11:52:27	278.27	4.42	476.68	1131.87	496.95	77.06	960.51	190.2162	201.9669	19.3368	2.4438	6.3365	160.2666	1.2668
11:52:28	278.27	4.40	476.19	617.83	316.24	77.06	964.07	221.9189	235.6280	21.0330	2.4846	6.4375	161.0698	1.2726
11:52:29	278.27	4.39	476.19	428.57	242.98	77.06	957.46	206.4659	219.2203	22.2769	2.5227	6.5313	161.9206	1.2788
11:52:30	278.27	4.35	482.54	280.83	166.06	77.06	957.46	147.6805	156.7437	20.9200	2.5466	6.5985	162.7153	1.2846
11:52:31	278.27	4.35	482.05	229.55	133.09	77.06	956.44	80.6109	85.5448	21.1461	2.5596	6.6352	163.5164	1.2905
11:52:32	278.27	4.31	482.05	199.02	113.55	77.31	951.86	55.9179	59.3311	20.9200	2.5686	6.6606	164.3069	1.2963
11:52:33	278.27	4.28	483.03	177.05	98.90	77.06	950.34	36.6413	38.8558	20.9200	2.5745	6.6774	165.0896	1.3021
11:52:34	278.14	4.22	482.54	162.39	92.80	77.06	949.32	29.9503	31.7604	20.8069	2.5794	6.6912	165.8682	1.3079
11:52:35	278.27	4.19	482.54	153.85	87.91	77.06	947.80	25.9675	27.5241	20.8069	2.5836	6.7031	166.6404	1.3137
11:52:36	278.27	4.13	482.54	146.52	85.47	77.06	946.27	23.1000	24.4720	20.6938	2.5873	6.7138	167.4015	1.3194
11:52:37	262.27	4.10	482.54	147.74	90.35	77.31	946.27	21.1882	22.4305	20.6938	2.5907	6.7235	168.1528	1.3252
11:52:38	262.39	4.03	482.54	155.07	90.35	76.82	946.27	20.0731	21.2400	20.6938	2.5940	6.7327	168.8979	1.3309
11:52:39	262.27	4.01	482.54	152.63	87.91	77.06	946.27	19.1172	20.2139	20.5807	2.5970	6.7415	169.6293	1.3366
11:52:40	262.27	3.94	457.63	147.74	86.69	77.31	946.27	19.2765	20.3733	20.6938	2.6000	6.7503	170.3591	1.3424
11:52:41	262.27	3.91	458.12	148.96	86.69	77.06	945.25	20.2324	21.3637	20.5807	2.6030	6.7596	171.0724	1.3481
11:52:42	262.39	3.89	457.63	146.52	86.69	76.82	946.78	19.9138	21.0207	20.6938	2.6061	6.7687	171.7856	1.3538
11:52:43	262.27	3.85	457.63	145.30	85.47	77.06	946.78	19.2765	20.3291	20.6938	2.6090	6.7771	172.4862	1.3596
11:52:44	262.39	3.83	457.63	146.52	85.47	77.31	940.17	19.4358	20.4907	20.5807	2.6119	6.7855	173.1788	1.3653
11:52:45	262.39	3.81	457.63	141.64	84.25	77.31	617.80	19.1172	20.1485	20.5807	2.6148	6.7938	173.8673	1.3710
11:52:46	262.27	3.81	458.12	125.76	75.70	77.06	718.47	18.9579	19.9692	20.8069	2.6177	6.8020	174.5557	1.3768
11:52:47	307.81	3.81	457.63	117.22	73.26	77.06	702.20	19.1172	20.1339	20.5807	2.6206	6.8103	175.2345	1.3825
11:52:48	307.81	3.83	457.63	112.33	70.82	77.06	695.08	18.4800	19.4567	13.0043	2.6234	6.8183	175.6608	1.3861
11:52:49	307.81	3.85	457.63	109.89	75.70	77.06	683.39	16.4089	17.2762	9.4988	2.6258	6.8255	175.9722	1.3888
11:52:50	307.81	3.86	434.19	109.89	79.37	77.31	683.39	15.2938	16.1035	7.1241	2.6288	6.8321	176.2057	1.3907
11:52:51	307.81	3.89	433.70	107.45	78.92	76.82	679.83	14.6565	15.4373	4.5232	2.6312	6.8384	176.3549	1.3920
11:52:52	307.94	3.92	433.21	107.45	75.70	77.06	677.80	14.3379	15.1040	2.0355	2.6337	6.8447	176.4222	1.3926
11:52:53	307.81	3.98	433.70	108.23	72.04	77.06	678.81	14.3379	15.1064	1.0177	2.6363	6.8506	176.4560	1.3928
11:52:54	307.81	4.03	434.19	108.23	68.38	77.06	679.83	14.0193	14.7768	0.1131	2.6387	6.8563	176.4598	1.3929
11:52:55	307.81	4.07	433.70	108.23	69.60	77.31	703.73	14.0193	14.7829	0.1131	2.6412	6.8621	176.4636	1.3929
11:52:56	307.81	4.12	433.70	114.77	75.70	77.31	936.61	13.8600	14.6255	0.1131	2.6437	6.8678	176.4675	1.3929
11:52:57	301.22	4.16	434.19	131.87	83.03	77.31	1034.75	13.8600	14.6369	0.1131	2.6462	6.8735	176.4714	1.3930
11:52:58	301.22	4.17	433.70	152.63	85.47	77.06	1191.87	13.8600	14.6437	0.1131	2.6486	6.8792	176.4753	1.3930
11:52:59	301.10	4.20	455.68	206.35	95.24	77.31	1427.29	14.9752	15.8335	3.8447	2.6513	6.8854	176.6117	1.3941
11:53:00	301.22	4.22	455.68	260.07	114.77	77.31	1598.14	17.2055	18.1999	4.6363	2.6543	6.8925	176.7776	1.3954
11:53:01	301.22	4.26	456.17	536.02	195.36	77.06	1910.34	19.9138	21.0680	6.2194	2.6578	6.9007	177.0007	1.3971
11:53:02	301.22	4.26	455.68	956.04	311.36	77.31	1842.71	26.9234	28.4957	8.8203	2.6625	6.9124	177.3194	1.3995
11:53:03	301.22	4.26	455.68	1365.08	436.34	77.31	1833.05	33.9331	35.9240	10.5165	2.6684	6.9271	177.7013	1.4025
11:53:04	301.22	4.28	455.68	1711.84	600.73	77.31	1844.75	69.9371	74.0750	13.1174	2.6806	6.9575	178.1815	1.4061
11:53:05	301.22	4.28	455.68	1785.10	648.35	77.31	1793.39	124.7398	132.1202	16.5098	2.7024	7.0116	178.7859	1.4107
11:53:06	301.22	4.27	455.68	1627.59	655.68	77.31	1214.24	178.1087	188.6468	17.9799	2.7335	7.0890	179.4442	1.4157
11:53:07	273.26	4.27	455.68	996.34	494.51	77.31	966.10	223.3527	236.6411	20.1284	2.7725	7.1859	180.1851	1.4213
11:53:08	273.38	4.27	456.17	692.31	394.38	77.06	964.07	232.9113	246.7684	20.8069	2.8132	7.2871	180.9511	1.4270
11:53:09	273.38	4.25	478.63	411.48	269.84	77.55	951.86	212.3603	224.9598	21.5984	2.8503	7.3792	181.7440	1.4330
11:53:10	273.38	4.25	478.14	311.36	207.57	77.55	951.86	129.9971	137.7028	21.1461	2.8709	7.4357	182.5203	1.4389
11:53:11	273.38	4.21	478.14	229.55	146.52	77.31	947.29	90.3288	95.6832	21.1461	2.8853	7.4749	183.2966	1.4448
11:53:12	273.26	4.18	478.63	200.24	122.10	77.55	945.25	53.6875	56.8552	20.9200	2.8938	7.4994	184.0611	1.4506
11:53:13	273.38	4.15	478.14	179.49	107.45	77.55	942.71	40.6241	43.0210	20.6938	2.9002	7.5179	184.8173	1.4564
11:53:14	273.38	4.12	478.63	168.50	101.34	77.31	940.17	29.9503	31.7027	20.6938	2.9050	7.5315	185.5672	1.4621
11:53:15	273.38	4.09	478.14	158.73	94.02	77.31	938.14	26.1269	27.6441	20.5807	2.9091	7.5434	186.3076	1.4678
11:53:16	273.38	4.05	477.66	152.63	90.35	77.31	934.58	23.4186	24.7670	20.5807	2.9128	7.5541	187.0417	1.4735
11:53:17	258.85	4.00	478.14	147.74	86.69	77.55	933.56	21.9848	23.2422	20.4676	2.9163	7.5641	187.7669	1.4792
11:53:18	258.97	3.96	478.14	145.30	84.25	77.55	933.56	20.7103	21.8858	20.4676	2.9196	7.5735	188.4867	1.4849
11:53:19	258.97	3.92	471.79	146.52	86.69	77.31	933.56	19.9138	21.0320	20.4676	2.9227	7.5825	189.1989	1.4906
11:53:20	258.85	3.89	471.79	150.18	90.35	77.55	935.09	19.2765	20.3468	20.4676	2.9256	7.5913	189.9038	1.4963
11:53:21	258.97	3.87	471.79	159.95	94.02	77.55	936.61	18.9579	19.9991	20.3545	2.9284	7.5999	190.5968	1.5019
11:53:22	258.85	3.85	471.79	168.06	91.58	77.55	940.68	19.1172	20.1567	20.4676	2.9313	7.6084	191.2870	1.5076
11:53:23	258.85	3.83	471.79	159.95	90.35	77.31	943.22	19.5951	20.6532	20.3545	2.9342	7.6172	191.9686	1.5133
11:53:24	258.97	3.83	472.28	151.40	88.69	77.31	781.53	20.8696	21.9908	20.3545	2.9373	7.6265	192.6468	1.5189
11:53:25	258.85	3.81	471.79	142.86	83.03	77.31	654.92	21.6662	22.8218	20.4676	2.9406	7.6362	193.3239	1.5246
11:53:26	258.97	3.82	471.79	135.53	80.59	77.55	720.51	20.8696	21.9771	20.6938	2.9437	7.6455	194.0051	1.5304
11:53:27	315.75	3.82	471.79	123.32	78.14	77.31	696.10	19.7544	20.8027	16.8491	2.9466	7.6544	194.5597	1.5350
11:53:28	316.00	3.85	471.79	116.00	76.92	77.31	699.15	18.6393	19.6243	13.1174	2.9494	7.6627	194.9897	1.5387

11:53:29	315.87	3.87	471.79	112.33	75.70	77.55	690.00	17.6834	18.6208	9.4988	2.9520	7.6706	195.3020	1.5413
11:53:30	315.87	3.90	466.42	111.11	70.82	77.31	682.37	16.0903	16.9451	5.9933	2.9550	7.6778	195.4991	1.5430
11:53:31	315.87	3.96	465.93	109.89	69.60	77.31	680.85	15.1345	15.9434	3.6186	2.9577	7.6846	195.6188	1.5440
11:53:32	315.87	4.02	465.93	107.45	65.93	77.31	683.90	14.6565	15.4447	1.9224	2.9604	7.6911	195.6828	1.5445
11:53:33	315.87	4.08	465.93	107.45	64.71	77.31	682.37	14.4972	15.2840	0.5654	2.9630	7.6975	195.7018	1.5447
11:53:34	315.87	4.13	466.42	106.23	64.71	77.55	682.37	14.3379	15.1262	0.1131	2.9657	7.7039	195.7056	1.5447
11:53:35	315.87	4.17	466.42	105.01	67.16	77.55	862.88	14.0193	14.8023	0.0000	2.9682	7.7101	195.7056	1.5447
11:53:36	315.87	4.19	466.42	106.23	70.82	77.55	1010.34	14.0193	14.8138	0.1131	2.9708	7.7163	195.7096	1.5447
11:53:37	302.20	4.24	466.42	111.11	74.48	77.55	1086.61	13.8600	14.6553	0.1131	2.9733	7.7224	195.7136	1.5448
11:53:38	302.20	4.26	465.93	130.65	81.81	77.55	1329.66	13.7007	14.4944	2.3747	2.9758	7.7285	195.7987	1.5454
11:53:39	302.20	4.29	465.93	164.84	94.02	77.06	1490.34	13.8600	14.6682	4.2971	2.9784	7.7346	195.9537	1.5466
11:53:40	302.20	4.31	461.54	279.61	135.53	77.31	1801.53	14.4972	15.3510	5.3148	2.9809	7.7411	196.1474	1.5481
11:53:41	302.20	4.34	461.54	532.36	196.58	77.31	1854.41	17.0462	18.0557	7.5764	2.9839	7.7487	196.4250	1.5502
11:53:42	302.20	4.34	461.54	915.75	289.38	77.31	1746.61	21.5069	22.7900	9.3857	2.9877	7.7582	196.7715	1.5528
11:53:43	302.20	4.34	461.05	1216.12	415.14	77.31	1840.17	36.4820	38.6706	12.0997	2.9941	7.7743	197.2206	1.5562
11:53:44	302.20	4.34	461.54	1388.28	492.06	77.31	1869.15	69.4592	73.6490	14.5874	3.0062	7.8048	197.7649	1.5602
11:53:45	302.20	4.34	461.54	1485.96	577.53	77.31	1075.42	119.4826	126.6897	16.5098	3.0272	7.8574	198.3810	1.5648
11:53:46	302.20	4.34	461.54	1006.10	484.74	77.31	952.88	158.6729	168.2439	19.3368	3.0550	7.9272	199.1025	1.5702
11:53:47	269.84	4.32	461.54	688.64	365.08	77.31	962.54	181.1356	192.0616	20.8069	3.0868	8.0069	199.8790	1.5760
11:53:48	269.84	4.30	461.05	401.71	236.87	77.06	951.86	193.8804	205.5751	21.3723	3.1208	8.0922	200.6765	1.5819
11:53:49	269.84	4.27	455.68	301.59	183.15	77.06	948.81	131.2714	139.1896	20.6938	3.1439	8.1500	201.4487	1.5877
11:53:50	269.84	4.26	456.17	239.32	144.08	77.31	948.81	89.8509	95.2453	21.0330	3.1579	8.1895	202.2307	1.5935
11:53:51	269.84	4.21	455.68	186.81	111.11	77.06	949.83	52.4130	55.5425	20.8069	3.1661	8.2126	203.0002	1.5993
11:53:52	269.84	4.18	455.68	169.72	100.12	77.06	949.83	39.3496	41.6818	20.5807	3.1723	8.2296	203.7557	1.6050
11:53:53	269.84	4.14	455.68	158.73	92.80	77.31	948.31	31.2248	33.0703	20.8069	3.1772	8.2432	204.5174	1.6108
11:53:54	269.84	4.12	455.68	147.74	87.91	77.31	949.83	24.3744	25.7991	20.6938	3.1810	8.2538	205.2667	1.6165
11:53:55	269.84	4.09	455.68	145.30	86.69	77.06	950.85	22.1441	23.4287	20.5807	3.1845	8.2634	206.0063	1.6222
11:53:56	257.39	4.02	455.68	146.52	86.69	77.31	951.86	20.7103	21.9004	20.6938	3.1877	8.2724	206.7431	1.6280
11:53:57	257.39	3.98	455.68	147.74	85.47	77.06	952.88	19.2765	20.3778	20.6938	3.1907	8.2807	207.4757	1.6337
11:53:58	257.39	3.93	456.17	148.96	85.47	77.06	952.88	18.9579	20.0338	20.8069	3.1937	8.2889	208.2074	1.6395
11:53:59	257.39	3.90	457.63	155.07	86.69	77.06	954.92	19.1172	20.1828	20.6938	3.1965	8.2972	208.9226	1.6453
11:54:00	257.39	3.85	457.63	158.73	89.13	77.06	957.97	19.2765	20.3415	20.8069	3.1994	8.3055	209.6354	1.6510
11:54:01	257.39	3.84	458.12	158.73	87.91	77.06	950.34	19.4358	20.4958	20.9200	3.2023	8.3139	210.3430	1.6569
11:54:02	257.39	3.81	457.63	151.40	86.69	77.06	944.75	20.2324	21.3259	20.9200	3.2053	8.3227	211.0442	1.6627
11:54:03	257.39	3.79	457.63	147.74	86.69	77.06	944.75	20.7103	21.8172	21.0330	3.2083	8.3317	211.7415	1.6685
11:54:04	257.39	3.78	457.63	148.96	85.47	77.06	695.08	20.7103	21.8127	20.6938	3.2114	8.3407	212.4247	1.6743
11:54:05	257.39	3.78	457.63	136.75	81.81	77.06	725.08	19.7544	20.7984	20.5807	3.2143	8.3492	213.0994	1.6800
11:54:06	303.17	3.79	457.63	122.10	78.14	77.31	702.71	19.2765	20.2899	20.5807	3.2172	8.3576	213.7706	1.6857
11:54:07	303.17	3.81	458.12	116.00	76.92	77.06	695.59	19.4358	20.4534	14.9267	3.2201	8.3660	214.2554	1.6898
11:54:08	303.30	3.84	457.63	112.33	75.70	77.06	691.02	17.8427	18.7769	11.1950	3.2227	8.3737	214.6190	1.6929
11:54:09	303.17	3.88	458.12	111.11	74.48	77.06	686.95	15.9310	16.7699	7.3503	3.2255	8.3806	214.8587	1.6950
11:54:10	303.17	3.90	458.12	109.89	73.26	77.31	678.31	15.1345	15.9356	5.0886	3.2282	8.3872	215.0255	1.6964
11:54:11	303.17	3.96	457.63	108.67	70.82	77.31	680.85	14.6565	15.4388	2.3747	3.2307	8.3936	215.1040	1.6971
11:54:12	303.17	3.98	457.63	108.67	74.48	77.31	681.86	14.4972	15.2781	1.0177	3.2333	8.3998	215.1380	1.6973
11:54:13	303.17	4.03	457.63	108.67	75.70	77.06	681.86	14.3379	15.1149	0.1131	3.2358	8.4061	215.1418	1.6974
11:54:14	303.05	4.07	457.63	107.45	78.14	77.31	686.95	14.1786	14.9578	0.1131	3.2383	8.4122	215.1456	1.6974
11:54:15	303.17	4.12	457.63	108.67	79.37	77.31	778.48	14.1786	14.9624	0.1131	3.2407	8.4184	215.1495	1.6974
11:54:16	303.17	4.16	457.63	111.11	80.59	77.06	850.17	14.1786	14.9725	0.1131	3.2432	8.4246	215.1534	1.6975
11:54:17	291.33	4.21	457.63	125.76	80.59	77.31	1171.02	14.0193	14.8127	0.1131	3.2457	8.4306	215.1574	1.6975
11:54:18	291.21	4.23	458.12	146.52	85.47	77.55	1330.68	14.1786	14.9911	3.0532	3.2482	8.4368	215.2656	1.6983
11:54:19	291.21	4.27	469.84	218.56	108.67	77.31	1580.85	14.4972	15.3360	3.1663	3.2507	8.4431	215.3790	1.6992
11:54:20	291.21	4.27	469.84	355.31	147.74	77.31	1809.15	16.4089	17.3678	5.8802	3.2535	8.4503	215.5917	1.7009
11:54:21	291.33	4.30	469.84	680.10	295.48	77.31	1851.36	19.1172	20.2406	7.4633	3.2567	8.4586	215.8632	1.7029
11:54:22	291.21	4.30	469.84	1304.03	449.33	77.31	1852.37	28.5165	30.2079	10.0642	3.2615	8.4714	216.2327	1.7057
11:54:23	291.33	4.30	469.84	1589.74	598.29	77.31	1854.41	46.3592	49.1089	12.2127	3.2694	8.4921	216.6810	1.7091
11:54:24	291.33	4.32	469.84	1743.59	700.85	77.06	1858.98	88.7357	94.0425	16.2836	3.2844	8.5319	217.2837	1.7136
11:54:25	291.33	4.32	469.84	1733.82	728.94	77.55	1198.98	170.1432	180.3185	17.8668	3.3131	8.6081	217.9450	1.7186
11:54:26	256.41	4.31	469.84	1305.25	582.42	77.31	974.75	207.4217	219.8265	19.3368	3.3482	8.7009	218.6608	1.7240
11:54:27	256.41	4.30	470.33	719.17	362.64	77.55	938.14	227.4948	241.1499	20.5807	3.3866	8.8028	219.4253	1.7297
11:54:28	256.53	4.30	469.84	487.18	271.06	77.55	930.00	226.2203	239.7990	21.9377	3.4249	8.9042	220.2402	1.7358
11:54:29	256.29	4.27	482.54	312.58	186.81	77.55	938.64	170.3025	180.4852	21.1461	3.4502	8.9804	221.0236	1.7417
11:54:30	256.41	4.27	482.05	257.63	153.85	77.55	937.12	93.8337	99.4287	20.4676	3.4642	9.0225	221.7798	1.7474
11:54:31	256.41	4.23	482.54	222.22	128.21	77.55	937.12	63.5647	67.3549	20.3545	3.4736	9.0509	222.5318	1.7530
11:54:32	256.41	4.20	482.05	197.80	112.33	77.55	936.10	40.7834	43.2018	20.4676	3.4797	9.0697	223.2839	1.7587
11:54:33	256.29	4.16	482.54	174.60	96.48	77.55	933.56	33.6144	35.6077	20.3545	3.4847	9.0851	224.0318	1.7643
11:54:34	256.29	4.12	482.54	163.61	89.13	77.06	934.58	28.9944	30.6979	20.3545	3.4890	9.0985	224.7729	1.7700
11:54:35	256.41	4.07	483.03	152.63	85.47	77.31	936.61	25.8082	27.3131	20.4676	3.4928	9.1103	225.5126	1.7757
11:54:36	256.41	4.02	482.54	148.96	84.25	77.55	937.63	22.7813	24.0973	20.3545	3.4962	9.1208	226.2414	1.7813
11:54:37	251.89	3.98	482.54	150.18	86.69	77.55	943.22	21.3476	22.5690	20.3545	3.4994	9.1305	226.9634	1.7870
11:54:38	251.89	3.93	482.54	155.07	90.35	77.55	946.27	19.9138	21.0390	20.3545	3.5023	9.1397	227.6764	1.7926
11:54:39	251.89	3.90	485.93	156.29	89.13	77.31	949.32	19.4358	20.5202	20.4676	3.5052	9.1486	228.3845	1.7983
11:54:40	251.89	3.86	466.42	155.07	86.69	77.55	954.92	19.5951	20.6775	20.4676	3.5081	9.1576	229.0857	1.8040

11:54:41	251.89	3.84	466.42	150.18	84.25	77.31	957.97	20.2324	21.3356	20.5807	3.5110	9.1668	229.7818	1.8097
11:54:42	251.89	3.81	466.42	147.74	83.03	77.06	950.34	20.3917	21.4958	20.6938	3.5140	9.1756	230.4768	1.8155
11:54:43	251.89	3.78	465.93	145.30	81.81	77.31	944.24	20.2324	21.3157	20.8069	3.5169	9.1846	231.1680	1.8213
11:54:44	251.89	3.78	465.93	141.64	80.59	77.06	720.51	19.5951	20.6379	21.0330	3.5198	9.1934	231.8624	1.8271
11:54:45	251.89	3.76	465.93	125.76	75.70	77.31	725.08	19.2765	20.2950	20.6938	3.5226	9.2019	232.5408	1.8329
11:54:46	251.89	3.78	465.93	118.44	74.48	77.31	706.78	18.9579	19.9512	20.5807	3.5253	9.2103	233.2099	1.8386
11:54:47	302.20	3.78	465.93	116.00	75.70	77.55	694.07	18.4800	19.4483	15.4921	3.5280	9.2185	233.7136	1.8429
11:54:48	302.20	3.81	465.93	120.88	75.70	77.55	692.54	16.4089	17.2651	10.2904	3.5304	9.2257	234.0468	1.8457
11:54:49	302.32	3.85	451.77	117.22	72.04	77.31	686.95	15.4531	16.2636	8.0287	3.5326	9.2325	234.3081	1.8480
11:54:50	302.20	3.89	452.26	109.89	67.16	77.55	683.39	15.1345	15.9298	5.7671	3.5353	9.2392	234.4958	1.8496
11:54:51	302.20	3.91	451.77	106.23	64.71	77.55	682.37	15.7717	16.6065	2.7139	3.5380	9.2461	234.5848	1.8503
11:54:52	302.20	3.98	451.77	105.01	64.71	77.31	683.90	15.2938	16.1108	1.4701	3.5407	9.2527	234.6334	1.8507
11:54:53	302.20	4.02	452.26	103.79	64.71	77.55	683.90	14.3379	15.1117	0.7916	3.5432	9.2588	234.6599	1.8509
11:54:54	302.20	4.07	452.26	106.23	64.71	77.55	681.86	13.8600	14.6133	0.2262	3.5456	9.2646	234.6675	1.8510
11:54:55	302.08	4.11	451.77	107.45	67.16	77.31	975.25	13.7007	14.4573	0.4523	3.5480	9.2706	234.6829	1.8511
11:54:56	302.20	4.11	451.77	112.33	72.04	77.55	1062.71	13.5413	14.2973	0.1131	3.5504	9.2765	234.6869	1.8512
11:54:57	290.84	4.15	452.26	123.32	75.70	77.55	1169.49	13.8600	14.6444	0.1131	3.5528	9.2824	234.6908	1.8512
11:54:58	290.84	4.17	451.77	169.72	91.58	77.55	1415.09	14.0193	14.8196	3.9578	3.5552	9.2884	234.8307	1.8523
11:54:59	290.84	4.21	463.00	235.65	113.55	77.55	1585.93	14.6565	15.4932	4.9756	3.5578	9.2947	235.0065	1.8537
11:55:00	290.84	4.21	463.00	235.65	113.55	77.55	1585.93	16.0903	17.0191	6.1064	3.5605	9.3016	235.2247	1.8554
11:55:01	290.84	4.23	463.49	803.42	295.48	77.55	1760.34	22.1441	23.4283	8.5941	3.5642	9.3112	235.5333	1.8578
11:55:02	290.84	4.23	463.49	1072.04	407.81	77.55	1792.37	30.7469	32.5452	10.4034	3.5694	9.3247	235.9099	1.8607
11:55:03	290.84	4.25	463.49	1327.23	527.47	77.55	1839.15	30.7469	32.5452	10.4034	3.5746	9.3383	236.2866	1.8635
11:55:04	290.84	4.25	463.49	1473.75	597.07	77.31	1816.27	104.8261	110.9916	15.9444	3.5923	9.3845	238.8671	1.8680
11:55:05	290.84	4.23	463.00	1428.57	610.50	77.55	1387.80	139.8743	148.1013	17.3014	3.6159	9.4463	237.4971	1.8728
11:55:06	263.86	4.24	463.00	916.97	444.44	77.31	924.41	173.1701	183.3934	19.5830	3.6451	9.5227	238.2120	1.8782
11:55:07	263.86	4.24	463.00	625.15	338.22	77.79	931.53	192.2873	203.6392	20.5807	3.6775	9.6076	238.9640	1.8839
11:55:08	263.86	4.22	463.49	384.62	253.97	77.55	948.31	186.3928	197.3559	21.2592	3.7089	9.6898	239.7381	1.8898
11:55:09	263.86	4.20	476.19	301.59	208.35	77.55	953.90	119.6419	126.6923	20.1284	3.7272	9.7425	240.4729	1.8954
11:55:10	263.86	4.18	476.68	242.98	174.60	77.79	943.22	81.5668	86.3734	20.2415	3.7397	9.7785	241.2119	1.9010
11:55:11	263.86	4.17	476.19	217.34	145.30	77.79	939.66	50.1827	53.1234	20.6938	3.7474	9.8006	241.9633	1.9068
11:55:12	263.86	4.17	476.19	197.80	124.54	77.79	941.19	39.3496	41.6447	20.9200	3.7534	9.8185	242.7194	1.9126
11:55:13	263.86	4.10	476.19	188.03	123.32	77.55	941.19	31.7027	33.5431	20.5807	3.7582	9.8329	243.4597	1.9183
11:55:14	263.86	4.08	476.19	178.27	114.77	77.55	941.19	28.3572	29.9972	20.4676	3.7626	9.8457	244.1932	1.9240
11:55:15	263.86	4.03	476.68	167.28	101.34	77.79	941.19	25.8082	27.3008	20.5807	3.7665	9.8574	244.9308	1.9297
11:55:16	263.86	4.03	476.68	167.28	101.34	77.79	941.19	24.5338	25.9311	20.5807	3.7702	9.8685	245.6573	1.9354
11:55:17	258.36	4.00	476.68	156.29	96.46	77.55	942.71	23.2593	24.5777	20.5807	3.7738	9.8790	246.3803	1.9412
11:55:18	258.36	3.91	476.68	140.42	90.35	77.79	946.27	21.8255	23.0471	20.5807	3.7771	9.8889	247.0944	1.9469
11:55:19	258.36	3.89	470.33	134.31	90.35	77.79	947.80	21.8255	23.0471	20.5807	3.7805	9.8988	247.8085	1.9526
11:55:20	258.36	3.86	470.33	128.21	89.13	77.55	948.81	20.3917	21.5239	20.4676	3.7835	9.9080	248.5131	1.9583
11:55:21	258.36	3.83	469.84	125.76	89.13	77.55	951.36	18.3207	19.3149	20.5807	3.7862	9.9163	249.2057	1.9640
11:55:22	258.36	3.81	470.33	128.21	91.58	77.55	951.36	17.5241	18.4684	20.6938	3.7888	9.9241	249.8973	1.9697
11:55:23	258.36	3.79	469.84	139.19	94.02	77.79	877.63	16.7276	17.6225	20.8069	3.7913	9.9316	250.5878	1.9755
11:55:24	258.36	3.79	469.84	139.19	94.02	77.55	877.63	16.4089	17.2815	20.8069	3.7938	9.9389	251.2740	1.9813
11:55:25	258.49	3.78	469.84	133.09	86.69	77.79	681.86	16.7276	17.6106	20.6938	3.7963	9.9463	251.9517	1.9871
11:55:26	258.36	3.81	469.35	118.44	75.70	77.79	712.37	18.1614	19.1162	19.2237	3.7990	9.9544	252.5787	1.9924
11:55:27	302.81	3.81	469.84	111.11	73.26	77.79	698.61	18.1614	19.1162	19.2237	3.8017	9.9625	253.2056	1.9977
11:55:28	302.69	3.83	469.84	107.45	69.60	77.79	694.07	17.3648	18.2739	14.7005	3.8043	9.9702	253.6831	2.0018
11:55:29	302.69	3.85	463.49	105.01	65.93	77.79	689.49	15.4531	16.2697	8.9334	3.8066	9.9771	253.9759	2.0043
11:55:30	302.81	3.89	463.49	103.79	64.71	77.55	680.34	14.4972	15.2646	6.6718	3.8091	9.9835	254.1946	2.0061
11:55:31	302.81	3.92	463.49	102.56	63.49	77.55	680.34	14.0193	14.7644	4.4102	3.8115	9.9897	254.3398	2.0074
11:55:32	302.69	3.97	463.98	102.56	64.71	77.55	680.34	13.7007	14.4341	2.2616	3.8139	9.9958	254.4148	2.0080
11:55:33	302.69	4.01	463.49	102.56	63.49	77.55	681.36	13.5413	14.2722	1.1308	3.8163	10.0017	254.4526	2.0083
11:55:34	302.81	4.06	463.49	102.56	62.27	77.79	680.34	13.3820	14.1108	0.1131	3.8186	10.0076	254.4564	2.0083
11:55:35	302.81	4.08	463.98	102.56	62.27	77.55	811.53	13.3820	14.1196	0.0000	3.8210	10.0135	254.4584	2.0083
11:55:36	302.81	4.12	463.49	105.01	64.71	77.55	1025.59	13.3820	14.1269	0.1131	3.8233	10.0194	254.4603	2.0084
11:55:37	302.81	4.17	463.49	122.10	70.82	77.55	1189.32	13.3820	14.1379	0.1131	3.8257	10.0253	254.4642	2.0084
11:55:38	302.69	4.20	463.49	147.74	79.37	77.31	1318.98	13.3820	14.1409	2.4878	3.8280	10.0312	254.5516	2.0091
11:55:39	302.69	4.23	469.84	218.56	90.35	77.31	1542.20	13.7007	14.4858	4.1840	3.8304	10.0372	254.7000	2.0103
11:55:40	302.69	4.26	469.84	322.34	122.10	77.31	1742.04	15.9310	16.8536	6.2194	3.8332	10.0442	254.9228	2.0120
11:55:41	302.69	4.27	469.84	748.47	262.52	77.55	1822.37	19.2765	20.4012	7.6895	3.8366	10.0527	255.2005	2.0141
11:55:42	302.69	4.28	469.84	1183.15	417.56	77.79	1778.14	28.5165	30.1944	10.1773	3.8416	10.0655	255.5710	2.0170
11:55:43	302.81	4.30	469.84	1376.07	494.51	77.55	1820.85	42.0579	44.5487	12.0997	3.8490	10.0843	256.0144	2.0203
11:55:44	302.69	4.30	469.84	1534.80	556.78	77.55	1860.00	97.6571	103.4568	14.9267	3.8661	10.1280	256.5629	2.0245
11:55:45	302.69	4.30	470.33	1572.65	587.30	77.55	1211.19	154.3715	163.5847	17.5275	3.8932	10.1971	257.2087	2.0293
11:55:46	302.81	4.28	469.84	1181.93	481.07	77.55	984.58	179.5425	190.2741	18.9976	3.9248	10.2775	257.9112	2.0346
11:55:47	261.90	4.28	470.33	793.65	356.53	77.55	965.59	200.2528	212.2223	20.5807	3.9599	10.3672	258.6723	2.0403
11:55:48	261.78	4.27	469.84	439.56	235.65	77.55	952.88	205.1914	217.4561	21.5984	3.9960	10.4592	259.4710	2.0463
11:55:49	261.78	4.27	476.19	283.27	159.95	77.31	947.80	154.2122	163.3875	20.9200	4.0231	10.5282	260.2411	2.0521
11:55:50	261.78	4.24	476.68	229.55	130.65	77.55	949.32	103.5516	109.7045	21.0330	4.0388	10.5746	261.0154	2.0580
11:55:51	261.78	4.24	476.19	195.36	112.33	77.55	948.78	57.3516	60.7499	20.8069	4.0475	10.6003	261.7792	2.0638
11:55:52	261.78	4.21	476.68	177.05	102.56	77.31	944.75	36.9599	39.1500	20.6938	4.0531	10.6171	262.5389	2.0695

11:55:53	261.78	4.17	476.19	161.17	94.02	77.79	943.22	29.9503	31.7135	20.8069	4.0577	10.6307	263.2979	2.0753
11:55:54	261.78	4.11	476.19	153.85	89.13	77.79	941.70	25.4896	26.9902	20.6938	4.0615	10.6422	264.0527	2.0810
11:55:55	261.78	4.08	476.68	145.30	86.69	77.79	939.15	23.1000	24.4497	20.5807	4.0650	10.6527	264.7978	2.0868
11:55:56	261.66	4.03	476.19	139.19	84.25	77.31	937.12	21.0289	22.2462	20.5807	4.0682	10.6622	265.5361	2.0925
11:55:57	243.83	3.99	476.68	136.75	81.81	77.31	936.10	20.0731	21.2185	20.4676	4.0713	10.6713	266.2600	2.0982
11:55:58	243.83	3.93	476.68	146.52	84.25	77.79	934.07	18.9579	20.0314	20.5807	4.0741	10.6799	266.9824	2.1039
11:55:59	243.83	3.91	469.84	153.85	86.69	77.06	934.07	18.1614	19.1758	20.4676	4.0769	10.6881	267.6911	2.1096
11:56:00	243.83	3.87	470.33	158.73	86.69	77.79	938.14	17.8427	18.8310	20.3545	4.0794	10.6962	268.3905	2.1152
11:56:01	243.83	3.87	469.84	155.07	85.47	78.03	939.66	19.1172	20.1593	20.3545	4.0821	10.7048	269.0790	2.1209
11:56:02	243.83	3.83	469.84	148.96	84.25	77.55	944.75	20.0731	21.1607	20.4676	4.0849	10.7138	269.7671	2.1265
11:56:03	243.83	3.83	469.35	141.64	81.81	77.31	927.46	20.7103	21.8200	20.5807	4.0878	10.7230	270.4514	2.1323
11:56:04	243.83	3.83	469.35	136.75	79.37	77.55	710.85	20.2324	21.3165	20.4676	4.0907	10.7320	271.1320	2.1380
11:56:05	243.83	3.83	469.84	125.76	74.48	77.79	739.83	19.4358	20.4666	20.5807	4.0934	10.7407	271.8094	2.1437
11:56:06	295.73	3.83	470.33	114.77	72.04	77.31	722.54	18.4800	19.4601	20.1284	4.0960	10.7489	272.4720	2.1493
11:56:07	295.73	3.83	469.84	112.33	70.82	77.06	711.86	17.8427	18.7890	15.3790	4.0985	10.7568	272.9782	2.1535
11:56:08	295.85	3.88	469.84	108.67	69.60	77.31	699.66	16.4089	17.2792	11.0819	4.1008	10.7641	273.3430	2.1566
11:56:09	295.73	3.89	461.54	107.45	68.38	78.03	688.98	14.9752	15.7709	8.8203	4.1034	10.7708	273.6333	2.1591
11:56:10	295.73	3.96	461.54	107.45	65.93	77.79	682.37	14.6565	15.4353	6.6718	4.1059	10.7773	273.8529	2.1609
11:56:11	295.73	3.98	461.54	106.23	65.93	77.06	684.41	14.1786	14.9421	3.5055	4.1083	10.7836	273.9698	2.1619
11:56:12	295.73	4.03	461.54	106.23	67.16	77.31	684.41	14.0193	14.7773	2.3747	4.1107	10.7897	274.0493	2.1625
11:56:13	295.73	4.10	461.54	111.11	72.04	77.06	684.41	14.0193	14.7903	0.7916	4.1131	10.7959	274.0763	2.1628
11:56:14	295.73	4.17	461.54	116.00	75.70	77.31	685.93	13.8600	14.6260	0.1131	4.1154	10.8020	274.0802	2.1628
11:56:15	295.73	4.17	461.54	119.66	74.48	77.55	681.36	13.8600	14.6366	0.1131	4.1178	10.8080	274.0841	2.1628
11:56:16	293.28	4.26	461.54	114.77	70.82	77.31	682.88	14.4972	15.3238	0.1131	4.1203	10.8144	274.0881	2.1629
11:56:17	293.28	4.26	461.54	109.89	69.60	78.03	682.88	15.1345	16.0107	0.1131	4.1229	10.8210	274.0921	2.1629
11:56:18	293.28	4.28	461.54	107.45	65.93	77.31	705.25	15.6124	16.5163	0.1131	4.1256	10.8279	274.0962	2.1629
11:56:19	293.28	4.32	457.63	106.23	65.93	77.31	729.66	14.9752	15.8618	0.1131	4.1281	10.8345	274.1003	2.1630
11:56:20	293.28	4.32	457.63	106.23	64.71	77.55	727.12	14.3379	15.1868	0.1131	4.1305	10.8408	274.1045	2.1630
11:56:21	293.28	4.34	457.63	107.45	73.26	77.31	731.70	14.0193	14.8539	0.3392	4.1329	10.8469	274.1170	2.1631
11:56:22	293.28	4.35	457.63	108.67	76.92	77.55	729.15	13.8600	14.6927	0.1131	4.1353	10.8530	274.1212	2.1631
11:56:23	293.28	4.35	458.12	116.00	80.59	77.31	729.15	13.8600	14.6927	0.1131	4.1377	10.8590	274.1254	2.1631
11:56:24	293.28	4.33	457.63	134.31	87.91	77.79	730.17	14.0193	14.8647	0.1131	4.1400	10.8652	274.1296	2.1632
								14.1786	15.0359	0.1131	4.1425	10.8713	274.1338	2.1632
								15.1345	16.0496	0.1131	4.1450	10.8780	274.1381	2.1632
								17.5241	18.5799	0.1131	4.1480	10.8856	274.1423	2.1633

09-MAY-93 12:14 LACMTA Emissions Testing Facility

Test : 0 TO 20 SAWTOOTH CYCLE BASED ON CBD
Test number : 1056
Test options: Dilute Modal Bag Diesel Auxiliary data Second by Second Data Particulate sampling Smoke meter

TEST TIME (s)	--DILUTE CONCENTRATIONS-- HC (PPM)	CO (PPM)	NOx (PPM)	CO2 (%)	--------MODAL GRAMS-------- HC	CO	NOx	CO2	EXH VOL (Cu.f)	DIL. RATIO	A/F RATIO	DRIV. VIOL. (s)	DIST-ANCE (Mi)	SPEED	FUEL Mpg-US Gal/Hr	SMOKE MTR (%)	----AUXILIARY SIGNALS---- DIL			
0 DL	6.7	4.6	13.3	0.09	0.005	0.007	0.03	2.22	48.37	******	25.98	0.0	0.000	0.0	0.79	3.80	187.8	0.0	0.0	0.0
1 DL	6.6	4.6	13.4	0.12	0.005	0.007	0.04	3.13	48.38	80.27	23.61	0.0	0.000	0.0	1.12	3.80	187.8	0.0	0.0	0.0
2 DL	6.6	4.6	13.6	0.13	0.005	0.007	0.04	3.21	48.38	78.74	23.46	0.0	0.000	0.0	1.15	3.70	187.8	0.0	0.0	0.0
3 DL	6.7	5.2	14.1	0.13	0.005	0.008	0.04	3.28	48.38	77.45	23.34	0.0	0.000	0.0	1.17	3.61	187.9	0.0	0.0	0.0
4 DL	7.0	9.5	17.1	0.14	0.006	0.015	0.04	3.44	48.39	74.69	23.08	0.0	0.000	1.3	0.94	3.65	187.9	0.0	0.0	0.0
5 DL	8.1	23.6	24.4	0.16	0.006	0.038	0.06	3.91	48.38	67.21	22.39	0.0	0.001	4.3	3.02	5.23	187.9	0.0	0.0	0.0
6 DL	9.8	47.9	35.9	0.20	0.008	0.076	0.09	5.14	48.39	53.67	21.25	0.0	0.002	5.8	3.03	17.67	187.9	0.0	0.0	0.0
7 DL	11.5	79.0	47.4	0.28	0.009	0.126	0.12	7.10	48.39	40.56	20.28	0.0	0.002	7.5	2.85	20.49	187.9	0.0	0.0	0.0
8 DL	13.1	115.0	60.1	0.37	0.010	0.183	0.16	9.40	48.39	31.48	19.66	0.0	0.003	9.1	2.64	20.04	188.0	0.0	0.0	0.0
9 DL	14.6	146.3	78.7	0.49	0.012	0.233	0.21	12.19	48.39	24.85	19.23	0.0	0.003	11.1	2.46	20.10	188.1	0.0	0.0	0.0
10 DL	16.2	157.1	103.6	0.63	0.013	0.251	0.27	15.84	48.39	19.56	18.90	0.0	0.004	13.3	2.29	22.67	188.0	0.0	0.0	0.0
11 DL	16.9	151.2	120.7	0.77	0.013	0.241	0.32	19.22	48.38	16.31	18.71	0.0	0.004	15.7	2.25	23.19	187.9	0.0	0.0	0.0
12 DL	17.4	141.4	129.5	0.85	0.014	0.225	0.34	21.23	48.36	14.87	18.63	0.0	0.005	17.0	2.21	14.55	187.9	0.0	0.0	0.0
13 DL	18.1	132.4	138.8	0.92	0.014	0.211	0.36	23.06	48.36	13.77	18.57	0.0	0.005	18.8	2.26	10.49	188.1	0.0	0.0	0.0
14 DL	18.1	114.0	128.7	0.99	0.014	0.182	0.34	24.78	48.36	12.88	18.52	0.0	0.006	20.2	2.27	11.47	188.2	0.0	0.0	0.0
15 DL	16.9	90.8	85.8	0.97	0.013	0.145	0.22	24.30	48.33	13.15	18.54	0.0	0.005	18.7	2.16	8.42	188.3	0.0	0.0	0.0
16 DL	15.3	70.4	46.7	0.83	0.012	0.112	0.12	20.81	48.34	15.31	18.67	0.0	0.005	18.5	2.49	5.51	188.3	0.0	0.0	0.0
17 DL	13.7	54.5	25.8	0.66	0.011	0.087	0.07	16.50	48.34	19.11	18.90	0.0	0.004	14.7	2.55	3.00	188.4	0.0	0.0	0.0
18 DL	12.4	42.4	16.9	0.52	0.010	0.068	0.04	12.96	48.35	23.93	19.20	0.0	0.003	9.5	2.09	2.09	188.4	0.0	0.0	0.0
19 DL	11.4	34.8	12.8	0.40	0.009	0.055	0.03	10.14	48.36	29.94	19.58	0.0	0.002	6.6	1.86	2.14	188.4	0.0	0.0	0.0
20 DL	10.5	29.8	12.0	0.33	0.008	0.048	0.03	8.17	48.36	36.27	20.01	0.0	0.001	2.7	0.96	4.87	188.5	0.0	0.0	0.0
21 DL	9.8	25.2	12.0	0.28	0.008	0.040	0.03	7.00	48.36	41.51	20.38	0.0	0.000	1.2	0.53	4.34	188.6	0.0	0.0	0.0
22 DL	9.2	20.8	12.7	0.25	0.007	0.033	0.03	6.22	48.37	46.00	20.71	0.0	0.000	0.1	0.06	3.35	188.7	0.0	0.0	0.0
23 DL	8.7	17.7	13.8	0.22	0.007	0.028	0.04	5.59	48.37	50.37	21.04	0.0	0.000	0.1	0.04	3.17	188.8	0.0	0.0	0.0
24 DL	8.4	16.6	16.0	0.21	0.007	0.026	0.04	5.19	48.38	53.54	21.29	0.0	0.000	1.3	0.61	3.12	188.8	0.0	0.0	0.0
25 DL	8.3	18.3	20.8	0.21	0.007	0.029	0.05	5.18	48.38	53.66	21.30	0.0	0.001	3.8	2.03	3.60	188.8	0.0	0.0	0.0
26 DL	8.5	25.2	28.5	0.22	0.007	0.040	0.07	5.58	48.37	50.28	21.03	0.0	0.001	4.8	2.37	5.75	188.9	0.0	0.0	0.0
27 DL	9.1	46.2	38.5	0.26	0.007	0.074	0.10	6.53	48.38	43.83	20.54	0.0	0.002	6.2	2.59	8.59	188.9	0.0	0.0	0.0
28 DL	9.9	83.5	50.2	0.33	0.008	0.133	0.13	8.15	48.40	35.92	19.96	0.0	0.002	8.0	2.65	13.28	188.9	0.0	0.0	0.0
29 DL	10.8	127.1	65.7	0.42	0.009	0.203	0.17	10.42	48.40	28.69	19.47	0.0	0.003	9.8	2.54	18.52	188.8	0.0	0.0	0.0
30 DL	12.2	161.9	91.9	0.54	0.010	0.258	0.24	13.55	48.39	22.57	19.08	0.0	0.003	11.6	2.34	18.55	188.8	0.0	0.0	0.0
31 DL	13.9	174.5	131.3	0.71	0.011	0.278	0.34	17.79	48.39	17.54	18.78	0.0	0.004	14.4	2.21	18.64	188.8	0.0	0.0	0.0
32 DL	15.4	168.6	167.0	0.87	0.012	0.269	0.44	21.80	48.38	14.51	18.61	0.0	0.005	17.0	2.15	16.78	188.9	0.0	0.0	0.0
33 DL	16.6	148.6	179.9	1.02	0.013	0.237	0.47	25.65	48.37	12.44	18.49	0.0	0.005	19.0	2.05	14.66	189.0	0.0	0.0	0.0
34 DL	17.2	121.0	159.8	1.11	0.014	0.193	0.42	27.76	48.35	11.56	18.44	0.0	0.006	20.2	2.03	12.40	189.2	0.0	0.0	0.0
35 DL	16.6	94.7	119.7	1.08	0.013	0.151	0.31	27.09	48.32	11.85	18.46	0.0	0.006	21.3	2.20	7.82	189.3	0.0	0.0	0.0
36 DL	15.2	74.3	85.9	0.96	0.012	0.118	0.22	24.07	48.32	13.31	18.55	0.0	0.006	20.6	2.40	4.84	189.5	0.0	0.0	0.0
37 DL	13.6	59.4	58.6	0.81	0.011	0.095	0.15	20.34	48.33	15.66	18.69	0.0	0.005	16.1	2.26	3.24	189.6	0.0	0.0	0.0
38 DL	12.2	47.6	37.5	0.67	0.010	0.076	0.10	16.90	48.35	18.67	18.87	0.0	0.003	11.1	1.89	2.25	189.6	0.0	0.0	0.0
39 DL	11.1	38.1	24.6	0.55	0.009	0.061	0.06	13.77	48.35	22.64	19.12	0.0	0.002	6.7	1.39	1.84	189.6	0.0	0.0	0.0
41 DL	10.2	31.1	18.5	0.44	0.008	0.050	0.05	11.04	48.37	27.76	19.44	0.0	0.001	3.1	0.89	3.28	189.7	0.0	0.0	0.0
41 DL	9.6	26.5	15.9	0.36	0.008	0.042	0.04	9.02	48.36	33.25	19.81	0.0	0.000	1.5	0.41	3.10	189.8	0.0	0.0	0.0
42 DL	9.0	22.9	15.2	0.31	0.007	0.036	0.04	7.77	48.37	37.95	20.13	0.0	0.000	0.5	0.19	3.19	189.9	0.0	0.0	0.0
43 DL	8.7	20.6	16.3	0.28	0.007	0.033	0.04	6.98	48.37	41.68	20.40	0.0	0.000	0.0	0.00	3.08	190.0	0.0	0.0	0.0
44 DL	8.7	24.6	20.7	0.26	0.007	0.039	0.05	6.48	48.38	44.33	20.59	0.0	0.000	1.5	0.58	3.09	190.0	0.0	0.0	0.0
45 DL	9.2	36.7	29.7	0.26	0.007	0.059	0.08	6.55	48.39	43.79	20.54	0.0	0.001	5.0	2.08	5.73	190.1	0.0	0.0	0.0

46	DL	9.6	47.0	37.8	0.30	0.008	0.075	0.10	7.42	48.38	39.25	20.21	0.0	0.002	6.4	2.36	18.36	190.3	0.0	0.0	0.0
47	DL	9.9	57.2	42.8	0.34	0.008	0.091	0.11	8.51	48.38	34.72	19.90	0.0	0.002	6.8	2.21	19.51	190.3	0.0	0.0	0.0
48	DL	10.6	84.1	51.4	0.38	0.008	0.134	0.13	9.60	48.38	31.05	19.65	0.0	0.002	8.2	2.33	11.66	190.3	0.0	0.0	0.0
49	DL	11.5	123.1	68.6	0.46	0.009	0.196	0.18	11.46	48.39	26.36	19.33	0.0	0.003	10.2	2.42	14.08	190.3	0.0	0.0	0.0
50	DL	12.9	149.0	100.7	0.58	0.010	0.238	0.26	14.60	48.39	21.11	19.00	0.0	0.003	12.1	2.26	16.84	190.3	0.0	0.0	0.0
51	DL	14.4	149.7	142.1	0.74	0.011	0.239	0.37	18.53	48.39	16.92	18.75	0.0	0.004	15.2	2.26	16.84	190.3	0.0	0.0	0.0
52	DL	15.7	133.7	169.6	0.88	0.012	0.213	0.44	22.16	48.37	14.32	18.60	0.0	0.005	17.4	2.17	12.70	190.4	0.0	0.0	0.0
53	DL	16.8	111.6	172.8	1.01	0.013	0.178	0.45	25.28	48.36	12.66	18.51	0.0	0.005	19.1	2.11	9.66	190.6	0.0	0.0	0.0
54	DL	17.2	90.0	145.4	1.07	0.014	0.143	0.38	26.86	48.34	11.95	18.47	0.0	0.006	20.0	2.09	7.86	190.8	0.0	0.0	0.0
55	DL	16.7	72.7	106.5	1.03	0.013	0.116	0.28	25.86	48.31	12.42	18.50	0.0	0.006	21.1	2.29	5.23	191.0	0.0	0.0	0.0
56	DL	15.3	58.1	74.5	0.92	0.012	0.092	0.19	22.94	48.31	13.96	18.59	0.0	0.006	20.0	2.46	3.69	191.1	0.0	0.0	0.0
57	DL	13.8	45.6	49.5	0.77	0.011	0.073	0.13	19.29	48.32	16.49	18.74	0.0	0.004	15.2	2.25	2.74	191.0	0.0	0.0	0.0
58	DL	12.5	36.1	31.4	0.62	0.010	0.058	0.08	15.59	48.34	20.19	18.97	0.0	0.003	10.3	1.90	2.05	191.0	0.0	0.0	0.0
59	DL	11.4	30.0	21.5	0.49	0.009	0.048	0.06	12.26	48.34	25.23	19.28	0.0	0.002	6.6	1.54	2.17	191.0	0.0	0.0	0.0
60	DL	10.6	25.6	17.0	0.40	0.008	0.041	0.04	9.91	48.34	30.57	19.63	0.0	0.001	3.1	0.91	3.57	191.1	0.0	0.0	0.0
61	DL	10.0	21.7	15.4	0.34	0.008	0.035	0.04	8.43	48.35	35.33	19.95	0.0	0.000	1.0	0.35	3.15	191.3	0.0	0.0	0.0
62	DL	9.5	18.3	15.3	0.29	0.008	0.029	0.04	7.36	48.37	39.85	20.27	0.0	0.000	0.1	0.05	3.17	191.4	0.0	0.0	0.0
63	DL	9.2	16.5	16.7	0.26	0.007	0.026	0.04	6.48	48.36	44.48	20.60	0.0	0.000	0.0	0.01	3.16	191.5	0.0	0.0	0.0
64	DL	9.2	19.7	20.8	0.24	0.007	0.031	0.05	5.99	48.36	47.43	20.82	0.0	0.000	1.4	0.57	3.30	191.6	0.0	0.0	0.0
65	DL	9.6	32.2	30.0	0.25	0.008	0.051	0.08	6.15	48.37	46.22	20.72	0.0	0.001	4.7	2.07	4.59	191.7	0.0	0.0	0.0
66	DL	10.2	54.6	42.4	0.28	0.008	0.087	0.11	7.14	48.38	40.50	20.29	0.0	0.002	6.1	2.34	13.36	191.7	0.0	0.0	0.0
67	DL	11.0	84.5	54.6	0.36	0.009	0.135	0.14	8.91	48.37	33.20	19.78	0.0	0.002	7.7	2.37	17.61	191.7	0.0	0.0	0.0
68	DL	11.9	117.5	69.9	0.45	0.009	0.187	0.18	11.22	48.37	26.87	19.36	0.0	0.003	9.4	2.29	15.73	191.6	0.0	0.0	0.0
69	DL	13.1	136.6	96.4	0.56	0.010	0.218	0.25	14.12	48.37	21.78	19.04	0.0	0.003	11.5	2.22	15.58	191.5	0.0	0.0	0.0
70	DL	14.3	130.4	121.1	0.70	0.011	0.208	0.32	17.62	48.37	17.76	18.80	0.0	0.004	13.9	2.16	14.40	191.5	0.0	0.0	0.0
71	DL	15.2	117.8	127.3	0.82	0.012	0.188	0.33	20.47	48.36	15.44	18.67	0.0	0.004	15.7	2.13	9.54	191.6	0.0	0.0	0.0
72	DL	16.2	113.2	133.0	0.88	0.013	0.180	0.35	21.93	48.35	14.46	18.61	0.0	0.005	16.9	2.14	5.93	191.8	0.0	0.0	0.0
73	DL	17.2	111.0	147.9	0.94	0.014	0.177	0.39	23.61	48.35	13.50	18.56	0.0	0.005	18.9	2.22	5.88	192.0	0.0	0.0	0.0
74	DL	17.8	98.2	143.9	1.02	0.014	0.156	0.38	25.57	48.34	12.52	18.50	0.0	0.006	20.4	2.22	8.12	192.1	0.0	0.0	0.0
75	DL	17.2	79.5	107.7	1.02	0.014	0.127	0.28	25.52	48.29	12.56	18.51	0.0	0.006	20.8	2.29	6.35	192.2	0.0	0.0	0.0
76	DL	15.8	61.0	67.1	0.91	0.012	0.097	0.18	22.71	48.29	14.09	18.60	0.0	0.005	18.2	2.27	4.04	192.3	0.0	0.0	0.0
77	DL	14.4	46.6	37.1	0.73	0.011	0.074	0.10	18.20	48.30	17.45	18.80	0.0	0.004	14.1	2.20	2.52	192.3	0.0	0.0	0.0
78	DL	13.0	37.2	20.5	0.55	0.010	0.059	0.05	13.83	48.32	22.58	19.11	0.0	0.003	10.2	2.10	1.61	192.4	0.0	0.0	0.0
79	DL	11.9	31.1	14.8	0.43	0.009	0.050	0.04	10.74	48.34	28.41	19.49	0.0	0.002	7.4	1.96	2.07	192.4	0.0	0.0	0.0
80	DL	11.1	26.2	13.0	0.36	0.009	0.042	0.03	8.91	48.33	33.60	19.83	0.0	0.001	4.0	1.31	2.41	192.5	0.0	0.0	0.0
81	DL	10.4	21.6	13.1	0.31	0.008	0.034	0.03	7.67	48.35	38.36	20.16	0.0	0.001	1.9	0.71	2.51	192.6	0.0	0.0	0.0
82	DL	10.0	18.1	14.1	0.27	0.008	0.029	0.04	6.70	48.34	43.16	20.51	0.0	0.000	0.7	0.30	3.09	192.6	0.0	0.0	0.0
83	DL	9.6	16.2	15.6	0.24	0.008	0.026	0.04	5.97	48.35	47.63	20.84	0.0	0.000	0.2	0.09	3.23	192.8	0.0	0.0	0.0
84	DL	9.4	18.1	19.1	0.22	0.007	0.029	0.05	5.61	48.36	50.13	21.03	0.0	0.000	0.6	0.22	3.53	192.8	0.0	0.0	0.0
85	DL	9.7	27.8	26.8	0.23	0.008	0.044	0.07	5.76	48.36	48.91	20.93	0.0	0.001	4.4	2.05	4.06	192.8	0.0	0.0	0.0
86	DL	10.3	46.1	38.2	0.26	0.008	0.074	0.10	6.59	48.36	43.43	20.51	0.0	0.002	5.7	2.34	9.77	192.9	0.0	0.0	0.0
87	DL	10.9	72.3	50.0	0.33	0.009	0.115	0.13	8.17	48.37	35.91	19.97	0.0	0.002	7.2	2.40	17.06	192.8	0.0	0.0	0.0
88	DL	11.7	104.0	63.8	0.41	0.009	0.166	0.17	10.31	48.37	29.08	19.51	0.0	0.002	8.9	2.35	16.88	192.7	0.0	0.0	0.0
89	DL	12.7	130.9	84.4	0.52	0.010	0.209	0.22	12.92	48.37	23.62	19.16	0.0	0.003	10.9	2.29	15.83	192.6	0.0	0.0	0.0
90	DL	13.9	138.9	112.7	0.65	0.011	0.222	0.30	16.18	48.38	19.21	18.89	0.0	0.004	12.7	2.16	14.65	192.6	0.0	0.0	0.0
91	DL	15.1	135.1	134.4	0.78	0.012	0.215	0.35	19.52	48.35	16.12	18.71	0.0	0.004	15.5	2.20	11.73	192.7	0.0	0.0	0.0
92	DL	16.4	132.6	155.1	0.88	0.013	0.211	0.41	22.09	48.34	14.34	18.60	0.0	0.005	16.9	2.12	7.53	192.9	0.0	0.0	0.0
93	DL	17.5	124.8	173.2	0.99	0.014	0.199	0.45	24.78	48.34	12.88	18.52	0.0	0.005	19.1	2.14	7.99	193.1	0.0	0.0	0.0
94	DL	18.2	107.0	166.3	1.09	0.014	0.170	0.44	27.21	48.33	11.79	18.46	0.0	0.006	20.4	2.09	9.47	193.2	0.0	0.0	0.0
95	DL	17.8	86.6	134.6	1.09	0.014	0.138	0.35	27.36	48.28	11.74	18.46	0.0	0.006	21.8	2.23	7.07	193.4	0.0	0.0	0.0
96	DL	16.6	68.4	99.0	1.00	0.013	0.109	0.26	24.93	48.28	12.87	18.52	0.0	0.006	20.8	2.36	4.67	193.5	0.0	0.0	0.0
97	DL	15.0	54.9	66.6	0.84	0.012	0.087	0.17	21.08	48.30	15.14	18.66	0.0	0.004	15.5	2.09	3.42	193.5	0.0	0.0	0.0
98	DL	13.5	44.8	39.8	0.69	0.011	0.071	0.10	17.23	48.32	18.34	18.85	0.0	0.003	11.4	1.89	2.33	193.5	0.0	0.0	0.0
99	DL	12.3	36.5	25.1	0.56	0.010	0.058	0.07	13.90	48.32	22.43	19.10	0.0	0.002	7.7	1.59	2.03	193.6	0.0	0.0	0.0
100	DL	11.4	29.3	18.3	0.45	0.009	0.047	0.05	11.27	48.32	27.21	19.41	0.0	0.001	4.4	1.15	2.58	193.8	0.0	0.0	0.0
101	DL	10.7	24.1	15.7	0.37	0.008	0.038	0.04	9.15	48.34	32.88	19.78	0.0	0.001	2.3	0.73	2.62	194.0	0.0	0.0	0.0
102	DL	10.3	20.8	15.4	0.31	0.008	0.033	0.04	7.66	48.34	38.44	20.17	0.0	0.000	1.0	0.37	2.90	194.1	0.0	0.0	0.0
103	DL	9.9	18.6	16.3	0.27	0.008	0.030	0.04	6.80	48.34	42.62	20.47	0.0	0.000	0.2	0.08	3.26	194.2	0.0	0.0	0.0
104	DL	9.7	18.8	19.5	0.25	0.008	0.030	0.05	6.34	48.35	45.22	20.66	0.0	0.000	0.8	0.29	3.13	194.3	0.0	0.0	0.0

105 DL	10.0	24.2	27.0	0.25	0.008	0.039	0.07	6.28	48.36	45.53	20.68	0.0	0.001	4.4	1.91	3.88	194.4	0.0	0.0	0.0
106 DL	10.5	35.0	37.5	0.27	0.008	0.056	0.10	6.85	48.36	42.14	20.42	0.0	0.002	5.6	2.26	7.69	194.5	0.0	0.0	0.0
107 DL	11.2	56.4	49.0	0.32	0.009	0.090	0.13	8.04	48.36	36.51	20.02	0.0	0.002	7.0	2.40	11.15	194.6	0.0	0.0	0.0
108 DL	12.1	92.2	62.9	0.39	0.010	0.147	0.16	9.78	48.36	30.50	19.60	0.0	0.002	8.8	2.46	12.90	194.6	0.0	0.0	0.0
109 DL	13.3	126.2	87.7	0.50	0.010	0.201	0.23	12.47	48.37	24.45	19.21	0.0	0.003	10.8	2.37	15.01	194.5	0.0	0.0	0.0
110 DL	14.6	134.7	123.8	0.66	0.012	0.215	0.32	16.46	48.37	18.96	18.87	0.0	0.004	13.1	2.18	14.26	194.5	0.0	0.0	0.0
111 DL	15.8	125.2	146.7	0.82	0.013	0.200	0.38	20.52	48.36	15.40	18.66	0.0	0.004	15.9	2.15	11.08	194.6	0.0	0.0	0.0
112 DL	17.1	112.7	160.6	0.91	0.013	0.180	0.42	22.84	48.34	13.92	18.58	0.0	0.005	17.3	2.10	6.87	194.7	0.0	0.0	0.0
113 DL	18.2	98.7	171.3	0.99	0.014	0.157	0.45	24.91	48.33	12.84	18.52	0.0	0.005	19.3	2.16	6.06	194.9	0.0	0.0	0.0
114 DL	18.7	80.7	154.5	1.06	0.015	0.129	0.40	26.59	48.31	12.07	18.48	0.0	0.006	20.4	2.15	6.80	195.0	0.0	0.0	0.0
115 DL	17.9	63.6	109.5	1.04	0.014	0.101	0.29	25.92	48.28	12.39	18.50	0.0	0.006	20.6	2.24	5.18	195.2	0.0	0.0	0.0
116 DL	16.5	50.1	67.7	0.90	0.013	0.080	0.18	22.61	48.29	14.16	18.60	0.0	0.005	19.5	2.44	3.42	195.3	0.0	0.0	0.0
117 DL	14.9	39.8	41.3	0.74	0.012	0.063	0.11	18.54	48.29	17.12	18.78	0.0	0.004	14.2	2.19	2.39	195.4	0.0	0.0	0.0
118 DL	13.5	31.8	26.1	0.60	0.011	0.051	0.07	14.90	48.30	21.05	19.02	0.0	0.003	10.0	1.90	1.94	195.4	0.0	0.0	0.0
119 DL	12.4	26.2	19.4	0.47	0.010	0.042	0.05	11.77	48.32	26.18	19.34	0.0	0.002	6.8	1.65	2.74	195.5	0.0	0.0	0.0
121 DL	11.6	22.2	16.6	0.38	0.009	0.035	0.04	9.47	48.32	31.86	19.72	0.0	0.001	3.1	1.04	3.32	195.6	0.0	0.0	0.0
121 DL	10.9	19.2	15.8	0.32	0.009	0.031	0.04	7.99	48.32	37.05	20.07	0.0	0.000	1.5	0.48	2.96	195.7	0.0	0.0	0.0
122 DL	10.4	16.5	16.2	0.28	0.008	0.026	0.04	7.07	48.34	41.22	20.37	0.0	0.000	0.1	0.06	3.31	195.7	0.0	0.0	0.0
123 DL	10.0	14.8	17.3	0.25	0.008	0.024	0.05	6.38	48.34	45.06	20.65	0.0	0.000	0.0	2.28	3.26	195.8	0.0	0.0	0.0
124 DL	9.9	17.0	21.1	0.24	0.008	0.027	0.06	5.89	48.35	48.13	20.87	0.0	0.000	1.3	0.54	3.30	195.9	0.0	0.0	0.0
125 DL	10.3	25.4	29.9	0.24	0.008	0.041	0.08	5.96	48.35	47.56	20.83	0.0	0.001	4.6	2.13	4.38	196.0	0.0	0.0	0.0
126 DL	10.8	40.8	41.5	0.27	0.009	0.065	0.11	6.79	48.36	42.41	20.44	0.0	0.002	5.9	2.38	9.11	196.0	0.0	0.0	0.0
127 DL	11.6	68.8	53.7	0.33	0.009	0.110	0.14	8.26	48.36	35.57	19.95	0.0	0.002	7.4	2.43	12.32	196.0	0.0	0.0	0.0
128 DL	12.4	105.1	69.5	0.42	0.010	0.168	0.18	10.43	48.37	28.77	19.49	0.0	0.003	9.2	2.39	13.69	196.0	0.0	0.0	0.0
129 DL	13.7	127.9	96.5	0.54	0.011	0.204	0.25	13.52	48.36	22.71	19.10	0.0	0.003	11.4	2.29	14.84	196.0	0.0	0.0	0.0
130 DL	15.0	125.5	124.9	0.69	0.012	0.200	0.33	17.29	48.36	18.09	18.82	0.0	0.004	13.2	2.08	12.65	195.9	0.0	0.0	0.0
131 DL	16.3	116.0	142.0	0.82	0.013	0.185	0.37	20.44	48.34	15.46	18.67	0.0	0.004	15.7	2.13	8.75	195.9	0.0	0.0	0.0
132 DL	17.6	108.8	161.9	0.90	0.014	0.173	0.42	22.64	48.33	14.04	18.59	0.0	0.005	17.2	2.11	5.88	196.0	0.0	0.0	0.0
133 DL	18.4	96.7	172.1	1.01	0.015	0.154	0.45	25.24	48.33	12.68	18.51	0.0	0.005	19.4	2.14	6.63	196.1	0.0	0.0	0.0
134 DL	18.5	79.5	143.5	1.08	0.015	0.127	0.38	26.94	48.30	11.92	18.47	0.0	0.006	20.4	2.12	7.20	196.3	0.0	0.0	0.0
135 DL	17.6	62.7	90.6	1.02	0.014	0.100	0.24	25.39	48.27	12.64	18.51	0.0	0.005	19.4	2.16	5.30	196.4	0.0	0.0	0.0
136 DL	16.3	48.0	51.2	0.85	0.013	0.076	0.13	21.39	48.29	14.95	18.65	0.0	0.005	19.0	2.49	3.99	196.4	0.0	0.0	0.0
137 DL	14.9	37.1	31.0	0.67	0.012	0.059	0.08	16.68	48.30	18.95	18.89	0.0	0.005	16.7	2.85	2.60	196.5	0.0	0.0	0.0
138 DL	13.7	30.2	20.6	0.52	0.011	0.048	0.05	12.93	48.31	24.01	19.20	0.0	0.003	11.8	2.61	2.16	196.5	0.0	0.0	0.0
139 DL	12.8	25.7	15.9	0.41	0.010	0.041	0.04	10.36	48.32	29.37	19.55	0.0	0.002	8.1	2.24	2.10	196.5	0.0	0.0	0.0
140 DL	11.9	21.7	14.6	0.35	0.009	0.035	0.04	8.68	48.33	34.42	19.89	0.0	0.001	4.6	1.54	3.72	196.5	0.0	0.0	0.0
141 DL	11.2	18.1	14.5	0.30	0.009	0.029	0.04	7.43	48.33	39.46	20.24	0.0	0.001	2.2	0.85	3.40	196.6	0.0	0.0	0.0
142 DL	10.7	15.5	15.4	0.26	0.008	0.025	0.04	6.44	48.34	44.70	20.62	0.0	0.000	0.6	0.28	3.47	196.7	0.0	0.0	0.0
143 DL	10.3	14.3	16.5	0.23	0.008	0.023	0.04	5.78	48.34	48.98	20.94	0.0	0.000	0.2	0.12	3.49	196.7	0.0	0.0	0.0
144 DL	10.0	17.5	19.9	0.22	0.008	0.028	0.05	5.48	48.35	51.10	21.10	0.0	0.000	0.7	0.28	3.64	196.7	0.0	0.0	0.0
145 DL	10.3	32.6	28.4	0.23	0.008	0.052	0.07	5.65	48.36	49.62	20.98	0.0	0.001	4.3	2.04	4.17	196.7	0.0	0.0	0.0
146 DL	10.9	60.6	42.2	0.27	0.009	0.097	0.11	6.65	48.37	43.00	20.47	0.0	0.002	6.0	2.43	11.01	196.8	0.0	0.0	0.0
147 DL	11.6	95.5	57.8	0.34	0.009	0.152	0.15	8.63	48.37	34.08	19.83	0.0	0.002	7.8	2.44	18.67	196.8	0.0	0.0	0.0
148 DL	12.5	127.0	78.4	0.45	0.010	0.202	0.21	11.24	48.36	26.81	19.35	0.0	0.003	9.7	2.35	18.34	196.8	0.0	0.0	0.0
149 DL	13.8	138.4	107.5	0.58	0.011	0.221	0.28	14.56	48.37	21.19	19.00	0.0	0.003	11.8	2.22	15.91	196.7	0.0	0.0	0.0
150 DL	15.0	128.7	126.3	0.73	0.012	0.205	0.33	18.32	48.36	17.12	18.76	0.0	0.004	14.1	2.11	12.49	196.8	0.0	0.0	0.0
151 DL	15.9	121.5	130.5	0.84	0.013	0.194	0.34	21.04	48.34	15.02	18.64	0.0	0.004	15.6	2.06	8.02	196.9	0.0	0.0	0.0
152 DL	16.9	120.2	145.7	0.90	0.013	0.191	0.38	22.54	48.33	14.08	18.59	0.0	0.005	17.2	2.12	6.06	197.0	0.0	0.0	0.0
153 DL	17.6	111.1	154.4	0.98	0.014	0.177	0.40	24.52	48.32	13.02	18.53	0.0	0.005	19.5	2.20	7.15	197.2	0.0	0.0	0.0
154 DL	17.6	92.2	131.9	1.03	0.014	0.147	0.35	25.73	48.29	12.44	18.50	0.0	0.006	20.2	2.20	6.76	197.3	0.0	0.0	0.0
155 DL	16.7	71.8	92.5	0.97	0.013	0.114	0.24	24.37	48.28	13.13	18.54	0.0	0.006	20.2	2.34	4.49	197.4	0.0	0.0	0.0
156 DL	15.4	55.2	60.1	0.84	0.012	0.088	0.16	20.93	48.29	15.23	18.66	0.0	0.005	19.3	2.59	2.99	197.5	0.0	0.0	0.0
157 DL	14.0	44.3	38.7	0.68	0.011	0.071	0.10	17.01	48.30	18.56	18.87	0.0	0.004	14.3	2.39	2.42	197.6	0.0	0.0	0.0
158 DL	12.8	36.7	24.3	0.55	0.010	0.058	0.06	13.77	48.31	22.62	19.12	0.0	0.003	10.1	2.10	1.96	197.7	0.0	0.0	0.0
159 DL	11.9	30.3	17.7	0.45	0.009	0.048	0.05	11.22	48.32	27.31	19.42	0.0	0.002	6.7	1.73	2.71	197.8	0.0	0.0	0.0
160 DL	11.1	24.7	15.0	0.37	0.009	0.039	0.04	9.21	48.32	32.65	19.77	0.0	0.001	3.3	1.05	3.27	197.9	0.0	0.0	0.0
161 DL	10.6	21.0	14.4	0.30	0.008	0.033	0.04	7.63	48.34	38.58	20.18	0.0	0.000	1.5	0.60	3.13	198.0	0.0	0.0	0.0
162 DL	10.1	18.5	15.0	0.26	0.008	0.030	0.04	6.63	48.35	43.57	20.54	0.0	0.000	0.4	0.17	3.51	198.2	0.0	0.0	0.0
163 DL	9.8	16.7	16.1	0.24	0.008	0.027	0.04	6.08	48.34	46.87	20.78	0.0	0.000	0.0	0.02	3.55	198.3	0.0	0.0	0.0

164	DL	9.6	15.2	18.4	0.23	0.008	0.024	0.05	5.77	48.35	49.06	20.95	0.0	0.000	1.0	0.44	3.40	198.4	0.0	0.0	0.0
165	DL	9.6	16.3	23.0	0.22	0.008	0.026	0.06	5.62	48.35	50.12	21.03	0.0	0.001	3.6	1.80	3.75	198.5	0.0	0.0	0.0
166	DL	9.9	28.3	31.9	0.23	0.008	0.045	0.08	5.85	48.36	48.29	20.88	0.0	0.001	4.5	2.08	4.69	198.5	0.0	0.0	0.0
167	DL	10.6	57.6	45.9	0.27	0.008	0.092	0.12	6.81	48.37	42.14	20.41	0.0	0.002	6.5	2.61	7.77	198.5	0.0	0.0	0.0
168	DL	11.4	98.0	63.9	0.35	0.009	0.156	0.17	8.80	48.37	33.49	19.79	0.0	0.002	8.5	2.62	16.32	198.5	0.0	0.0	0.0
169	DL	12.7	129.8	94.1	0.48	0.010	0.207	0.25	11.91	48.37	25.50	19.27	0.0	0.003	10.7	2.43	16.69	198.5	0.0	0.0	0.0
170	DL	14.2	133.7	134.2	0.65	0.011	0.213	0.35	16.41	48.36	19.04	18.87	0.0	0.004	12.9	2.14	14.07	198.6	0.0	0.0	0.0
171	DL	15.3	121.8	156.0	0.83	0.012	0.194	0.41	20.91	48.34	15.14	18.65	0.0	0.004	15.9	2.11	11.19	198.7	0.0	0.0	0.0
172	DL	16.5	109.0	167.3	0.93	0.013	0.174	0.44	23.34	48.33	13.64	18.57	0.0	0.005	17.2	2.04	7.27	198.7	0.0	0.0	0.0
173	DL	17.5	96.8	177.2	1.01	0.014	0.154	0.46	25.19	48.32	12.70	18.51	0.0	0.005	19.2	2.12	6.05	198.9	0.0	0.0	0.0
174	DL	18.0	80.2	162.2	1.07	0.014	0.128	0.42	26.70	48.29	12.02	18.48	0.0	0.006	20.4	2.14	7.00	199.1	0.0	0.0	0.0
175	DL	17.4	63.2	121.5	1.05	0.014	0.100	0.32	26.14	48.27	12.29	18.49	0.0	0.006	21.3	2.28	5.34	199.2	0.0	0.0	0.0
176	DL	16.1	48.9	82.1	0.92	0.013	0.078	0.21	23.13	48.27	13.85	18.58	0.0	0.006	20.0	2.44	3.52	199.3	0.0	0.0	0.0
177	DL	14.5	39.4	52.9	0.76	0.011	0.063	0.14	19.10	48.28	16.64	18.75	0.0	0.004	14.7	2.20	2.64	199.4	0.0	0.0	0.0
178	DL	13.3	32.7	32.1	0.62	0.010	0.052	0.08	15.54	48.29	20.21	18.97	0.0	0.003	10.5	1.93	2.06	199.4	0.0	0.0	0.0
179	DL	12.2	26.9	22.0	0.50	0.010	0.043	0.06	12.64	48.31	24.50	19.24	0.0	0.002	7.3	1.65	2.72	199.4	0.0	0.0	0.0
180	DL	11.4	21.8	17.3	0.41	0.009	0.035	0.05	10.29	48.32	29.58	19.57	0.0	0.001	4.0	1.12	3.37	199.5	0.0	0.0	0.0
181	DL	10.8	18.4	15.6	0.34	0.009	0.029	0.04	8.39	48.31	35.50	19.96	0.0	0.001	2.1	0.72	3.25	199.6	0.0	0.0	0.0
182	DL	10.3	16.3	15.6	0.28	0.008	0.026	0.04	7.11	48.33	41.03	20.35	0.0	0.000	0.9	0.36	3.40	199.7	0.0	0.0	0.0
183	DL	10.0	14.9	16.6	0.26	0.008	0.024	0.04	6.39	48.32	44.99	20.64	0.0	0.000	0.1	0.04	3.71	199.8	0.0	0.0	0.0
184	DL	9.7	14.2	18.8	0.24	0.008	0.023	0.05	6.01	48.34	47.39	20.82	0.0	0.000	0.6	0.25	3.54	199.9	0.0	0.0	0.0
185	DL	9.7	15.3	23.4	0.23	0.008	0.024	0.06	5.85	48.35	48.44	20.90	0.0	0.001	3.6	1.70	4.01	199.8	0.0	0.0	0.0
186	DL	9.9	24.4	31.7	0.24	0.008	0.039	0.08	6.04	48.35	47.00	20.79	0.0	0.001	4.4	2.00	5.17	199.7	0.0	0.0	0.0
187	DL	10.5	49.8	44.5	0.27	0.008	0.079	0.12	6.86	48.35	41.95	20.40	0.0	0.002	6.2	2.49	7.00	199.7	0.0	0.0	0.0
188	DL	11.2	89.3	60.4	0.34	0.009	0.142	0.16	8.57	48.36	34.33	19.85	0.0	0.002	8.1	2.58	14.80	199.6	0.0	0.0	0.0
189	DL	12.0	127.8	84.3	0.45	0.009	0.204	0.22	11.26	48.36	26.79	19.35	0.0	0.003	10.2	2.45	17.43	199.5	0.0	0.0	0.0
190	DL	13.3	144.3	121.4	0.61	0.011	0.230	0.32	15.25	48.37	20.34	18.95	0.0	0.003	12.2	2.19	14.93	199.5	0.0	0.0	0.0
191	DL	14.5	138.1	156.6	0.79	0.011	0.220	0.41	19.86	48.34	15.88	18.69	0.0	0.004	15.4	2.13	11.73	199.5	0.0	0.0	0.0
192	DL	15.8	124.8	178.8	0.93	0.012	0.199	0.47	23.41	48.32	13.59	18.56	0.0	0.005	17.1	2.03	8.18	199.6	0.0	0.0	0.0
193	DL	16.9	107.6	189.4	1.04	0.013	0.171	0.50	25.94	48.32	12.34	18.49	0.0	0.005	19.1	2.05	6.77	199.7	0.0	0.0	0.0
194	DL	17.2	86.6	165.3	1.10	0.014	0.138	0.43	27.50	48.29	11.68	18.45	0.0	0.006	20.3	2.07	7.36	199.8	0.0	0.0	0.0
195	DL	16.5	67.0	117.3	1.06	0.013	0.107	0.31	26.46	48.25	12.14	18.48	0.0	0.006	21.1	2.23	5.50	199.8	0.0	0.0	0.0
196	DL	15.2	52.2	77.0	0.92	0.012	0.083	0.20	22.97	48.27	13.95	18.59	0.0	0.006	19.9	2.45	3.62	199.7	0.0	0.0	0.0
197	DL	13.8	42.2	47.8	0.76	0.011	0.067	0.12	18.89	48.27	16.81	18.76	0.0	0.004	15.2	2.30	2.75	199.8	0.0	0.0	0.0
198	DL	12.6	34.4	28.1	0.61	0.010	0.055	0.07	15.29	48.30	20.53	18.99	0.0	0.003	11.0	2.06	2.18	199.7	0.0	0.0	0.0
199	DL	11.6	27.8	19.5	0.49	0.009	0.044	0.05	12.24	48.31	25.24	19.28	0.0	0.002	7.9	1.84	2.54	199.7	0.0	0.0	0.0
200	DL	10.8	22.6	15.8	0.39	0.009	0.036	0.04	9.91	48.79	30.84	19.65	0.0	0.001	4.7	1.36	3.11	199.8	0.0	0.0	0.0
201	DL	10.3	19.2	14.8	0.32	0.008	0.031	0.04	8.03	48.33	36.91	20.06	0.0	0.001	2.6	0.94	3.05	199.9	0.0	0.0	0.0
202	DL	9.8	17.0	15.2	0.28	0.008	0.027	0.04	6.93	48.33	41.93	20.42	0.0	0.000	1.1	0.45	3.31	200.0	0.0	0.0	0.0
203	DL	9.5	15.3	16.4	0.25	0.007	0.024	0.04	6.31	48.33	45.48	20.68	0.0	0.000	0.1	0.08	3.60	200.1	0.0	0.0	0.0
204	DL	9.4	15.0	19.3	0.24	0.007	0.024	0.05	5.93	48.34	47.95	20.86	0.0	0.000	1.0	0.38	3.52	200.2	0.0	0.0	0.0
205	DL	9.5	17.6	26.2	0.23	0.008	0.028	0.07	5.84	48.35	48.48	20.90	0.0	0.001	4.3	2.03	4.20	200.2	0.0	0.0	0.0
206	DL	9.8	24.4	35.2	0.25	0.008	0.039	0.09	6.30	48.35	45.41	20.67	0.0	0.001	5.3	2.34	6.39	200.3	0.0	0.0	0.0
207	DL	10.4	42.9	45.9	0.29	0.008	0.068	0.12	7.28	48.35	39.91	20.26	0.0	0.002	6.7	2.55	7.15	200.2	0.0	0.0	0.0
208	DL	11.2	77.8	61.1	0.35	0.009	0.124	0.16	8.89	48.35	33.31	19.79	0.0	0.002	8.5	2.61	10.65	200.1	0.0	0.0	0.0
209	DL	12.2	113.0	87.1	0.46	0.010	0.180	0.23	11.56	48.36	26.26	19.32	0.0	0.003	10.6	2.49	14.20	200.1	0.0	0.0	0.0
210	DL	13.5	124.2	125.7	0.62	0.011	0.198	0.33	15.66	48.37	19.90	18.93	0.0	0.004	12.8	2.24	13.08	200.1	0.0	0.0	0.0
211	DL	14.5	113.0	153.4	0.80	0.011	0.180	0.40	20.12	48.34	15.72	18.68	0.0	0.004	15.9	2.18	10.08	200.1	0.0	0.0	0.0
212	DL	15.6	98.3	163.7	0.92	0.012	0.157	0.43	23.08	48.31	13.80	18.58	0.0	0.005	17.3	2.08	6.76	200.2	0.0	0.0	0.0
213	DL	16.7	84.4	168.2	1.00	0.013	0.134	0.44	24.92	48.32	12.84	18.52	0.0	0.005	19.0	2.13	5.19	200.4	0.0	0.0	0.0
214	DL	17.1	68.1	144.7	1.04	0.013	0.108	0.38	25.99	48.30	12.35	18.50	0.0	0.006	20.3	2.19	6.01	200.6	0.0	0.0	0.0
215	DL	16.3	53.2	104.5	0.99	0.013	0.085	0.27	24.75	48.26	12.96	18.53	0.0	0.006	21.0	2.39	4.81	200.8	0.0	0.0	0.0
216	DL	15.0	41.7	69.2	0.86	0.012	0.066	0.18	21.48	48.26	14.88	18.65	0.0	0.006	20.0	2.62	3.30	201.0	0.0	0.0	0.0
217	DL	13.6	33.8	42.7	0.71	0.011	0.054	0.11	17.73	48.28	17.86	18.82	0.0	0.004	15.7	2.54	2.57	201.1	0.0	0.0	0.0
218	DL	12.5	27.7	25.5	0.57	0.010	0.044	0.07	14.38	48.30	21.76	19.06	0.0	0.003	11.6	2.30	2.13	201.2	0.0	0.0	0.0
219	DL	11.7	22.6	18.1	0.46	0.009	0.036	0.05	11.53	48.31	26.69	19.38	0.0	0.002	8.4	2.07	2.54	201.2	0.0	0.0	0.0
220	DL	11.0	18.6	14.9	0.37	0.009	0.030	0.04	9.25	48.32	32.58	19.76	0.0	0.002	5.6	1.75	3.23	201.3	0.0	0.0	0.0
221	DL	10.4	15.9	14.5	0.30	0.008	0.025	0.04	7.58	48.33	38.86	20.20	0.0	0.001	3.1	1.19	3.11	201.4	0.0	0.0	0.0
222	DL	10.0	14.2	15.1	0.26	0.008	0.023	0.04	6.58	48.33	43.89	20.56	0.0	0.000	1.7	0.75	3.43	201.5	0.0	0.0	0.0

223 DL	9.6	13.2	16.1	0.24	0.008	0.021	0.04	6.03	48.34	47.29	20.81	0.0	0.000	0.5	0.24	3.72	201.7	0.0	0.0	0.0
224 DL	9.5	16.3	19.7	0.23	0.007	0.026	0.05	5.69	48.34	49.59	20.98	0.0	0.000	0.3	0.13	3.87	201.8	0.0	0.0	0.0
225 DL	9.8	28.6	28.6	0.23	0.008	0.046	0.08	5.75	48.35	48.98	20.93	0.0	0.001	4.5	2.09	4.51	201.8	0.0	0.0	0.0
226 DL	10.4	51.0	41.8	0.26	0.008	0.081	0.11	6.63	48.36	43.18	20.49	0.0	0.002	6.0	2.46	10.06	201.9	0.0	0.0	0.0
227 DL	10.9	82.4	56.5	0.33	0.009	0.131	0.15	8.35	48.36	35.14	19.91	0.0	0.002	7.7	2.51	15.88	201.9	0.0	0.0	0.0
228 DL	11.6	115.6	75.2	0.43	0.009	0.184	0.20	10.73	48.37	28.01	19.43	0.0	0.003	9.6	2.43	16.84	201.9	0.0	0.0	0.0
229 DL	12.6	129.7	99.5	0.56	0.010	0.207	0.26	14.05	48.36	21.92	19.05	0.0	0.003	11.6	2.27	15.27	201.9	0.0	0.0	0.0
230 DL	13.5	123.2	111.6	0.71	0.011	0.196	0.29	17.75	48.35	17.65	18.80	0.0	0.004	13.5	2.10	11.60	201.9	0.0	0.0	0.0
231 DL	14.3	121.4	119.8	0.80	0.011	0.193	0.31	19.99	48.33	15.76	18.69	0.0	0.004	14.9	2.07	6.92	202.0	0.0	0.0	0.0
232 DL	15.3	124.3	145.9	0.86	0.012	0.198	0.38	21.63	48.33	14.64	18.62	0.0	0.005	16.9	2.16	6.30	202.1	0.0	0.0	0.0
233 DL	16.2	114.4	167.7	0.96	0.013	0.182	0.44	24.16	48.33	13.20	18.54	0.0	0.005	19.2	2.20	7.63	202.3	0.0	0.0	0.0
234 DL	16.4	93.7	152.3	1.05	0.013	0.149	0.40	26.22	48.29	12.22	18.49	0.0	0.006	20.2	2.15	7.87	202.5	0.0	0.0	0.0
235 DL	15.8	75.2	116.7	1.02	0.012	0.120	0.31	25.56	48.27	12.54	18.51	0.0	0.006	21.3	2.34	5.44	202.6	0.0	0.0	0.0
236 DL	14.6	59.8	79.3	0.91	0.011	0.095	0.21	22.82	48.27	14.01	18.59	0.0	0.006	20.2	2.49	3.74	202.7	0.0	0.0	0.0
237 DL	13.3	47.8	50.5	0.76	0.010	0.076	0.13	19.12	48.28	16.61	18.75	0.0	0.005	16.3	2.44	2.79	202.8	0.0	0.0	0.0
238 DL	12.2	38.1	30.4	0.62	0.010	0.061	0.08	15.48	48.30	20.30	18.97	0.0	0.003	12.1	2.23	2.40	202.9	0.0	0.0	0.0
239 DL	11.3	30.6	21.0	0.49	0.009	0.049	0.05	12.21	48.32	25.31	19.29	0.0	0.003	9.1	2.12	2.56	202.9	0.0	0.0	0.0
240 DL	10.6	25.5	16.5	0.39	0.008	0.041	0.04	9.68	48.32	31.25	19.67	0.0	0.002	6.6	1.95	3.30	202.9	0.0	0.0	0.0
241 DL	10.1	22.2	14.9	0.32	0.008	0.035	0.04	8.01	48.33	36.95	20.06	0.0	0.001	4.1	1.47	3.01	203.0	0.0	0.0	0.0
242 DL	9.7	19.3	14.9	0.28	0.008	0.031	0.04	7.01	48.34	41.49	20.39	0.0	0.001	2.6	1.06	3.22	203.1	0.0	0.0	0.0
243 DL	9.4	16.6	15.5	0.25	0.007	0.026	0.04	6.33	48.33	45.31	20.66	0.0	0.000	1.3	0.58	3.39	203.2	0.0	0.0	0.0
244 DL	9.3	17.5	17.9	0.23	0.007	0.028	0.05	5.77	48.34	48.99	20.94	0.0	0.000	0.3	0.18	3.59	203.2	0.0	0.0	0.0
245 DL	9.5	30.7	26.1	0.22	0.007	0.049	0.07	5.57	48.35	50.19	21.02	0.0	0.001	3.8	1.79	3.92	203.1	0.0	0.0	0.0
246 DL	10.1	60.3	41.5	0.25	0.008	0.096	0.11	6.32	48.35	44.86	20.60	0.0	0.002	6.0	2.58	8.79	203.1	0.0	0.0	0.0
247 DL	10.8	99.3	60.5	0.33	0.009	0.158	0.16	8.25	48.35	35.44	19.92	0.0	0.002	8.0	2.61	18.76	203.0	0.0	0.0	0.0
248 DL	11.7	129.9	88.3	0.45	0.009	0.207	0.23	11.22	48.36	26.89	19.35	0.0	0.003	10.0	2.43	18.60	203.0	0.0	0.0	0.0
249 DL	13.1	133.6	122.0	0.61	0.010	0.213	0.32	15.39	48.36	20.19	18.94	0.0	0.003	12.0	2.15	14.97	202.9	0.0	0.0	0.0
250 DL	14.4	118.5	145.8	0.79	0.011	0.189	0.38	19.68	48.34	16.03	18.70	0.0	0.004	14.4	2.02	10.08	202.8	0.0	0.0	0.0
251 DL	15.4	100.7	152.2	0.90	0.012	0.160	0.40	22.53	48.31	14.12	18.59	0.0	0.005	16.4	2.03	6.81	202.8	0.0	0.0	0.0
252 DL	16.2	86.2	142.5	0.95	0.013	0.137	0.37	23.80	48.30	13.41	18.56	0.0	0.005	17.8	2.08	5.22	202.9	0.0	0.0	0.0
253 DL	16.7	73.3	128.4	0.96	0.013	0.117	0.34	24.06	48.29	13.28	18.55	0.0	0.005	18.9	2.19	4.51	203.0	0.0	0.0	0.0
254 DL	16.7	59.9	104.3	0.95	0.013	0.095	0.27	23.67	48.29	13.51	18.56	0.0	0.006	19.8	2.35	4.48	203.1	0.0	0.0	0.0
255 DL	16.0	48.4	73.1	0.87	0.013	0.077	0.19	21.79	48.27	14.64	18.63	0.0	0.006	20.0	2.58	3.54	203.1	0.0	0.0	0.0
256 DL	14.8	39.2	48.6	0.75	0.012	0.062	0.13	18.80	48.26	16.87	18.77	0.0	0.005	19.1	2.88	2.93	203.1	0.0	0.0	0.0
257 DL	13.6	31.8	31.9	0.63	0.011	0.051	0.08	15.64	48.27	20.09	18.96	0.0	0.004	14.1	2.57	2.65	203.2	0.0	0.0	0.0
258 DL	12.5	25.7	21.8	0.51	0.010	0.041	0.06	12.66	48.29	24.47	19.23	0.0	0.003	10.6	2.39	2.32	203.1	0.0	0.0	0.0
259 DL	11.6	21.1	17.1	0.40	0.009	0.034	0.04	10.10	48.31	30.10	19.60	0.0	0.002	8.2	2.31	3.06	203.1	0.0	0.0	0.0
260 DL	10.9	17.9	14.6	0.33	0.009	0.029	0.04	8.16	48.32	36.40	20.03	0.0	0.002	5.8	2.05	3.25	203.2	0.0	0.0	0.0
261 DL	10.3	15.9	14.2	0.28	0.008	0.025	0.04	6.91	48.32	42.06	20.43	0.0	0.001	3.6	1.50	3.23	203.3	0.0	0.0	0.0
262 DL	9.8	14.0	14.7	0.25	0.008	0.022	0.04	6.19	48.32	46.22	20.73	0.0	0.001	2.4	1.10	3.63	203.4	0.0	0.0	0.0
263 DL	9.4	12.2	15.2	0.23	0.007	0.019	0.04	5.68	48.33	49.78	21.00	0.0	0.000	1.1	0.58	3.74	203.5	0.0	0.0	0.0
264 DL	9.2	12.7	17.0	0.21	0.007	0.020	0.04	5.23	48.34	53.25	21.27	0.0	0.000	0.3	0.17	4.05	203.5	0.0	0.0	0.0
265 DL	9.3	21.8	23.5	0.20	0.007	0.035	0.06	5.08	48.35	54.34	21.35	0.0	0.001	2.7	1.38	4.17	203.3	0.0	0.0	0.0
266 DL	9.8	45.1	36.7	0.23	0.008	0.072	0.10	5.70	48.35	49.12	20.92	0.0	0.002	5.5	2.62	7.08	203.4	0.0	0.0	0.0
267 DL	10.4	81.3	53.5	0.29	0.008	0.130	0.14	7.35	48.35	39.29	20.19	0.0	0.002	7.3	2.69	15.21	203.5	0.0	0.0	0.0
268 DL	11.2	119.9	75.5	0.40	0.009	0.191	0.20	9.99	48.35	29.87	19.55	0.0	0.003	9.3	2.53	17.94	203.4	0.0	0.0	0.0
269 DL	12.3	140.2	109.6	0.55	0.010	0.223	0.29	13.79	48.36	22.31	19.07	0.0	0.003	11.6	2.30	15.90	203.2	0.0	0.0	0.0
270 DL	13.5	134.6	146.1	0.73	0.011	0.215	0.38	18.37	48.35	17.10	18.76	0.0	0.004	14.0	2.09	12.71	203.2	0.0	0.0	0.0
271 DL	14.5	116.8	163.0	0.88	0.011	0.186	0.43	22.11	48.32	14.35	18.61	0.0	0.005	16.4	2.06	9.47	203.3	0.0	0.0	0.0
272 DL	15.5	98.6	160.7	0.97	0.012	0.157	0.42	24.35	48.31	13.11	18.54	0.0	0.005	18.0	2.05	6.67	203.5	0.0	0.0	0.0
273 DL	16.2	82.2	144.0	1.02	0.013	0.131	0.38	25.49	48.29	12.57	18.51	0.0	0.005	19.3	2.11	5.33	203.8	0.0	0.0	0.0
274 DL	16.1	66.6	106.6	1.00	0.013	0.106	0.28	25.13	48.27	12.75	18.52	0.0	0.006	19.9	2.23	4.64	203.9	0.0	0.0	0.0
275 DL	15.3	52.5	70.6	0.90	0.012	0.084	0.18	22.58	48.26	14.16	18.60	0.0	0.006	19.9	2.47	3.41	204.0	0.0	0.0	0.0
276 DL	14.1	40.8	46.9	0.76	0.011	0.065	0.12	19.00	48.27	16.72	18.76	0.0	0.005	18.7	2.79	2.91	204.1	0.0	0.0	0.0
277 DL	12.8	32.3	31.6	0.61	0.010	0.051	0.08	15.38	48.28	20.42	18.98	0.0	0.004	13.5	2.49	2.63	204.2	0.0	0.0	0.0
278 DL	11.9	26.8	22.4	0.49	0.009	0.043	0.06	12.29	48.30	25.16	19.28	0.0	0.003	10.4	2.42	2.54	204.3	0.0	0.0	0.0
279 DL	11.0	22.7	17.3	0.40	0.009	0.036	0.05	10.04	48.31	30.21	19.61	0.0	0.002	8.2	2.32	3.46	204.3	0.0	0.0	0.0
280 DL	10.4	18.9	14.5	0.34	0.008	0.030	0.04	8.43	48.31	35.35	19.95	0.0	0.002	6.1	2.05	3.23	204.5	0.0	0.0	0.0
281 DL	10.0	15.8	14.1	0.28	0.008	0.025	0.04	7.13	48.32	40.98	20.35	0.0	0.001	3.9	1.59	3.16	204.7	0.0	0.0	0.0

282	DL	9.6	13.7	14.4	0.25	0.008	0.022	0.04	6.16	48.32	46.44	20.75	0.0	0.001	2.8	1.28	3.48	204.8	0.0	0.0	0.0
283	DL	9.2	12.3	14.8	0.22	0.007	0.020	0.04	5.56	48.34	50.65	21.07	0.0	0.000	1.7	0.88	3.53	204.9	0.0	0.0	0.0
284	DL	8.9	11.1	15.4	0.21	0.007	0.018	0.04	5.20	48.34	53.56	21.29	0.0	0.000	0.8	0.46	3.75	204.8	0.0	0.0	0.0
285	DL	8.7	11.6	17.3	0.20	0.007	0.018	0.05	4.93	48.34	55.94	21.48	0.0	0.000	0.2	0.10	4.15	204.8	0.0	0.0	0.0
286	DL	8.8	20.7	23.2	0.19	0.007	0.033	0.06	4.86	48.35	56.37	21.51	0.0	0.000	1.8	0.92	3.99	204.8	0.0	0.0	0.0
287	DL	9.3	46.1	35.8	0.22	0.007	0.073	0.09	5.45	48.36	50.98	21.06	0.0	0.001	5.1	2.58	6.67	204.8	0.0	0.0	0.0
288	DL	9.9	87.6	53.3	0.28	0.008	0.140	0.14	7.08	48.36	40.53	20.27	0.0	0.002	7.0	2.65	15.64	204.8	0.0	0.0	0.0
289	DL	10.7	132.6	77.8	0.39	0.008	0.211	0.20	9.86	48.36	30.18	19.56	0.0	0.002	9.1	2.48	19.95	204.7	0.0	0.0	0.0
290	DL	11.9	155.5	119.0	0.56	0.009	0.248	0.31	13.97	48.36	22.01	19.05	0.0	0.003	11.5	2.25	17.58	204.7	0.0	0.0	0.0
291	DL	13.5	148.7	171.6	0.76	0.011	0.237	0.45	18.99	48.35	16.57	18.73	0.0	0.004	14.2	2.04	14.02	204.6	0.0	0.0	0.0
292	DL	14.9	127.5	196.2	0.94	0.012	0.203	0.51	23.57	48.34	13.52	18.55	0.0	0.005	17.1	2.01	12.15	204.6	0.0	0.0	0.0
293	DL	16.2	104.1	196.3	1.09	0.013	0.166	0.51	27.32	48.32	11.76	18.46	0.0	0.005	19.3	1.96	11.20	205.0	0.0	0.0	0.0
294	DL	16.7	82.3	185.3	1.18	0.013	0.131	0.48	29.63	48.28	10.88	18.41	0.0	0.006	20.8	1.97	10.72	205.3	0.0	0.0	0.0
295	DL	16.0	64.2	125.9	1.14	0.013	0.102	0.33	28.50	48.23	11.31	18.44	0.0	0.006	20.9	2.06	7.72	205.5	0.0	0.0	0.0
296	DL	14.6	49.9	74.2	0.97	0.012	0.079	0.19	24.36	48.25	13.19	18.54	0.0	0.005	18.0	2.11	4.61	205.6	0.0	0.0	0.0
297	DL	13.2	38.7	41.9	0.78	0.010	0.062	0.11	19.46	48.26	16.37	18.73	0.0	0.004	13.6	1.99	3.18	205.6	0.0	0.0	0.0
298	DL	12.1	31.1	26.4	0.60	0.010	0.049	0.07	15.02	48.28	20.92	19.01	0.0	0.003	10.9	2.06	2.74	205.5	0.0	0.0	0.0
299	DL	11.3	26.0	18.8	0.47	0.009	0.041	0.05	11.81	48.30	26.09	19.34	0.0	0.002	8.8	2.13	3.27	205.5	0.0	0.0	0.0
300	DL	10.7	21.8	14.8	0.38	0.008	0.035	0.04	9.61	48.31	31.46	19.69	0.0	0.002	7.0	2.07	2.95	205.5	0.0	0.0	0.0
301	DL	10.2	18.1	13.9	0.32	0.008	0.029	0.04	8.06	48.31	36.78	20.05	0.0	0.001	5.1	1.82	3.05	205.7	0.0	0.0	0.0
302	DL	9.7	15.2	14.4	0.27	0.008	0.024	0.04	6.88	48.31	42.24	20.44	0.0	0.001	3.6	1.47	3.24	205.8	0.0	0.0	0.0
303	DL	9.4	13.4	14.8	0.24	0.007	0.021	0.04	6.01	48.32	47.46	20.82	0.0	0.001	2.7	1.28	3.43	205.8	0.0	0.0	0.0
304	DL	9.1	12.1	15.0	0.22	0.007	0.019	0.04	5.46	48.32	51.39	21.12	0.0	0.000	1.6	0.88	3.44	205.8	0.0	0.0	0.0
305	DL	8.8	10.8	15.6	0.20	0.007	0.017	0.04	5.12	48.33	54.23	21.35	0.0	0.000	1.0	0.56	3.71	205.8	0.0	0.0	0.0
306	DL	8.5	10.0	16.5	0.19	0.007	0.016	0.04	4.84	48.34	56.82	21.55	0.0	0.000	0.5	0.29	4.08	205.7	0.0	0.0	0.0
307	DL	8.4	13.0	19.1	0.18	0.007	0.021	0.05	4.63	48.35	58.87	21.71	0.0	0.000	0.1	0.04	4.10	205.6	0.0	0.0	0.0
308	DL	8.7	29.5	27.1	0.19	0.007	0.047	0.07	4.77	48.35	57.09	21.56	0.0	0.001	3.5	1.92	3.90	205.5	0.0	0.0	0.0
309	DL	9.3	65.4	42.4	0.23	0.007	0.104	0.11	5.77	48.36	48.42	20.85	0.0	0.002	5.7	2.69	9.62	205.4	0.0	0.0	0.0
310	DL	9.9	111.4	63.3	0.32	0.008	0.178	0.17	8.00	48.35	36.35	19.97	0.0	0.002	7.8	2.62	18.87	205.3	0.0	0.0	0.0
311	DL	10.9	144.6	98.4	0.46	0.009	0.230	0.26	11.53	48.36	26.24	19.31	0.0	0.003	10.2	2.39	19.02	205.1	0.0	0.0	0.0
312	DL	12.3	148.0	150.3	0.65	0.010	0.236	0.39	16.26	48.37	19.17	18.88	0.0	0.003	12.4	2.09	15.00	204.9	0.0	0.0	0.0
313	DL	13.7	131.1	192.1	0.84	0.011	0.209	0.50	21.17	48.35	14.97	18.64	0.0	0.004	16.0	2.08	11.75	204.9	0.0	0.0	0.0
314	DL	15.1	109.3	196.0	1.01	0.012	0.174	0.51	25.39	48.32	12.61	18.50	0.0	0.005	18.1	1.98	9.46	205.1	0.0	0.0	0.0
315	DL	16.0	87.8	193.7	1.14	0.013	0.140	0.51	28.58	48.30	11.27	18.43	0.0	0.006	20.2	1.97	8.75	205.3	0.0	0.0	0.0
316	DL	15.8	69.1	142.5	1.16	0.012	0.110	0.37	28.89	48.24	11.15	18.43	0.0	0.006	20.5	1.99	7.26	205.5	0.0	0.0	0.0
317	DL	14.6	53.6	78.4	1.02	0.012	0.085	0.20	25.39	48.23	12.67	18.51	0.0	0.004	15.4	1.74	4.73	205.6	0.0	0.0	0.0
318	DL	13.2	41.2	40.5	0.81	0.010	0.066	0.11	20.15	48.26	15.85	18.70	0.0	0.003	12.3	1.74	3.39	205.6	0.0	0.0	0.0
319	DL	11.9	32.4	23.7	0.61	0.009	0.052	0.06	15.27	48.28	20.60	18.99	0.0	0.003	10.1	1.87	2.89	205.5	0.0	0.0	0.0
320	DL	10.9	26.6	16.2	0.47	0.009	0.042	0.04	11.70	48.29	26.31	19.35	0.0	0.002	8.2	1.98	2.90	205.5	0.0	0.0	0.0
321	DL	10.2	22.2	13.6	0.38	0.008	0.035	0.04	9.43	48.30	31.97	19.72	0.0	0.002	6.5	1.95	2.95	205.6	0.0	0.0	0.0
322	DL	9.7	18.2	13.8	0.32	0.008	0.029	0.04	7.94	48.31	37.26	20.09	0.0	0.001	4.7	1.72	3.19	205.7	0.0	0.0	0.0
323	DL	9.3	15.3	14.6	0.27	0.007	0.024	0.04	6.82	48.31	42.55	20.46	0.0	0.001	3.6	1.48	3.40	205.8	0.0	0.0	0.0
324	DL	9.0	13.5	15.0	0.24	0.007	0.021	0.04	5.99	48.32	47.55	20.83	0.0	0.001	2.7	1.27	3.63	205.9	0.0	0.0	0.0

Test #: 1056 Modal Sawtooth

Date: 5/9/94

Test cycle results

CO (g/mi) =	6.29
CO2 (g/mi) =	140.69
NOx (g/mi) =	12.00

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT INL1	FT INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
12:30:15	70.82	1.80	135.29	102.56	64.71	78.52	682.37							
12:30:16	70.70	1.80	135.29	102.56	63.49	78.52	683.90							
12:30:17	70.82	1.80	134.80	102.56	63.49	78.76	685.93							
12:30:18	70.82	1.80	134.80	102.56	63.49	78.76	685.93	13.3820	13.7110	0.1131	0.0005	0.0017	0.0017	0.0000
12:30:19	70.82	1.81	135.29	102.56	64.71	78.76	683.39	13.3820	13.7110	0.1131	0.0011	0.0033	0.0035	0.0001
12:30:20	70.82	1.81	135.29	102.56	64.71	78.76	683.39	13.3820	13.7110	0.1131	0.0016	0.0050	0.0052	'0.0001
12:30:21	70.82	1.80	134.80	102.56	68.38	78.52	1034.75	13.3820	13.7110	0.1131	0.0021	0.0067	0.0070	0.0001
12:30:22	70.82	1.80	135.29	108.67	74.48	78.76	1146.10	13.3820	13.7131	0.1131	0.0027	0.0083	0.0087	0.0002
12:30:23	70.82	1.80	135.29	136.75	85.47	78.52	1330.17	13.3820	13.7131	0.1131	0.0032	0.0100	0.0105	0.0002
12:30:24	70.82	1.80	134.80	173.38	92.80	78.52	1450.17	13.3820	13.7110	4.1840	0.0037	0.0117	0.0751	0.0014
12:30:25	68.13	1.80	134.80	225.89	111.11	78.52	1594.07	14.1786	14.5271	5.3148	0.0043	0.0134	0.1573	0.0028
12:30:26	67.28	1.80	134.80	676.43	218.56	78.52	1763.90	17.8427	18.2813	7.4633	0.0050	0.0157	0.2726	0.0049
12:30:27	67.28	1.80	134.80	913.31	286.94	78.52	1719.15	22.6220	23.1781	8.9334	0.0059	0.0185	0.4106	0.0074
12:30:28	67.28	1.80	134.80	1061.05	354.09	78.52	1812.20	29.4724	30.1966	10.5165	0.0070	0.0221	0.5731	0.0103
12:30:29	67.28	1.80	135.29	1223.44	406.59	78.76	1893.05	88.2578	90.4266	15.8313	0.0103	0.0331	0.8177	0.0147
12:30:30	67.28	1.80	135.29	1196.58	445.67	78.52	923.39	119.1640	122.0922	16.9621	0.0148	0.0479	1.0797	0.0194
12:30:31	67.28	1.80	135.29	813.19	352.87	78.76	870.51	138.4405	141.8424	19.1107	0.0201	0.0651	1.3750	0.0247
12:30:32	67.28	1.80	134.80	533.58	273.50	78.28	812.54	159.6287	163.5513	20.8069	0.0261	0.0850	1.6965	0.0305
12:30:33	67.28	1.80	134.80	313.80	181.93	78.28	706.78	156.1239	159.9604	19.2237	0.0320	0.1044	1.9935	0.0358
12:30:34	66.30	1.80	134.80	234.43	137.97	78.52	704.24	106.1006	108.7078	18.9976	0.0360	0.1177	2.2870	0.0411
12:30:35	66.30	1.80	134.80	234.43	137.97	78.52	704.24	69.6185	71.3293	17.6406	0.0386	0.1263	2.5596	0.0460
12:30:36	66.30	1.81	135.29	153.85	100.12	78.52	683.39	40.9427	41.9488	9.9511	0.0402	0.1314	2.7133	0.0488
12:30:37	66.30	1.82	135.29	125.76	87.91	78.28	683.39	30.5875	31.3391	7.9157	0.0413	0.1352	2.8356	0.0510
12:30:38	66.30	1.82	203.66	117.22	84.25	78.52	681.36	30.5875	31.3391	7.9157	0.0424	0.1390	2.9579	0.0532
12:30:39	66.30	1.85	203.17	109.89	79.37	78.76	727.12	20.0731	20.5706	1.9224	0.0432	0.1415	2.9879	0.0537
12:30:40	66.30	1.87	203.17	107.45	79.37	78.52	922.88	16.4089	16.8183	0.1131	0.0438	0.1435	2.9896	0.0537
12:30:41	66.30	1.89	203.17	114.77	84.25	78.28	1053.56	15.2938	15.6753	0.1131	0.0444	0.1464	2.9914	0.0538
12:30:42	66.30	1.92	203.17	129.43	86.69	78.52	1167.97	14.3379	14.7010	1.2439	0.0449	0.1491	3.0112	0.0541
12:30:43	66.30	1.92	203.17	129.43	86.69	78.52	1167.97	14.0193	14.3780	3.8447	0.0454	0.1517	3.0731	0.0552
12:30:44	137.36	1.97	203.17	191.70	105.01	78.76	1480.17	14.9752	15.3616	5.2017	0.0460	0.1545	3.1575	0.0566
12:30:45	137.36	2.01	203.17	330.89	146.52	78.52	1741.53	16.8869	17.3299	6.4456	0.0466	0.1577	3.2638	0.0584
12:30:46	137.36	2.05	203.17	575.09	197.80	78.52	1841.19	16.8869	17.3299	6.4456	0.0472	0.1609	3.3701	0.0602
12:30:47	137.36	2.13	269.11	1141.64	360.20	78.76	1869.66	25.0117	25.6900	9.6119	0.0492	0.1656	3.5331	0.0629
12:30:48	137.36	2.20	269.11	1505.49	494.51	78.28	1906.78	43.1730	44.3647	11.9866	0.0525	0.1737	3.7400	0.0662
12:30:49	137.36	2.30	269.60	1781.44	621.49	78.52	1759.83	75.0351	77.1545	14.3613	0.0583	0.1878	3.9937	0.0702
12:30:50	137.36	2.30	269.60	1781.44	621.49	78.52	1759.83	148.9550	153.3225	17.8668	0.0698	0.2249	4.3214	0.0752
12:30:51	137.36	2.52	269.60	995.12	451.77	79.00	983.56	196.4293	202.3790	19.5630	0.0851	0.2739	4.6920	0.0806
12:30:52	137.36	2.62	269.11	669.11	340.66	78.76	715.42	232.4334	239.7863	20.9200	0.1031	0.3320	5.1058	0.0864
12:30:53	137.48	2.72	269.60	446.89	258.85	78.52	708.31	232.4334	239.7863	20.9200	0.1211	0.3901	5.5197	0.0922
12:30:54	137.36	2.81	269.11	321.12	197.80	78.76	704.24	129.8377	134.3369	21.0330	0.1312	0.4227	5.9754	0.0981
12:30:55	232.84	2.98	269.60	213.88	135.53	78.52	698.64	87.3019	90.4496	15.4921	0.1380	0.4446	6.3245	0.1024
12:30:56	232.84	3.07	269.60	172.16	113.55	78.76	686.95	58.3075	60.4885	11.3081	0.1426	0.4593	6.5889	0.1055
12:30:57	232.84	3.07	269.60	172.16	113.55	78.76	686.95	41.8986	43.5202	7.3503	0.1459	0.4698	6.7666	0.1076
12:30:58	232.84	3.19	269.11	142.86	101.34	79.00	684.41	27.8793	29.0283	2.9401	0.1496	0.4768	6.8420	0.1084
12:30:59	232.84	3.28	369.23	122.10	90.35	78.52	681.86	22.4627	23.4153	1.5831	0.1525	0.4825	6.8837	0.1088
12:31:00	232.84	3.39	369.23	116.00	86.69	78.76	984.92	22.4627	23.4153	1.5831	0.1555	0.4882	6.9254	0.1092
12:31:01	232.84	3.46	369.72	120.88	86.69	78.52	1159.32	18.6393	19.4631	0.7916	0.1580	0.4929	6.9472	0.1095
12:31:02	232.72	3.54	369.23	145.30	90.35	78.76	1150.68	15.9310	16.6550	0.0000	0.1601	0.4984	6.9472	0.1095
12:31:03	232.60	3.60	369.72	179.49	103.79	78.52	1170.51	15.1345	15.8453	1.0177	0.1622	0.5037	6.9769	0.1098
12:31:04	232.84	3.65	369.23	196.58	118.44	78.52	1384.58	15.7717	16.5279	5.4279	0.1643	0.5092	7.1386	0.1113
12:31:05	302.81	3.75	369.23	382.17	184.37	78.76	1886.44	18.9579	19.8875	6.6718	0.1668	0.5158	7.3418	0.1131
12:31:06	302.81	3.79	369.23	692.31	274.73	78.52	1828.98	23.4186	24.5848	7.3503	0.1699	0.5240	7.5692	0.1152
12:31:07	302.81	3.84	369.23	1059.83	384.62	78.76	1862.54	25.6489	26.9471	8.9334	0.1734	0.5329	7.8501	0.1176
12:31:08	302.81	3.87	469.84	1485.96	532.36	78.52	1883.90	49.8641	52.4627	13.1174	0.1821	0.5503	8.2735	0.1213
12:31:09	302.69	3.92	470.33	1623.93	601.95	78.52	1727.29	90.3288	95.0806	16.3967	0.1978	0.5819	8.8077	0.1258
12:31:10	302.81	3.96	469.84	1290.60	518.93	78.76	997.12	138.2812	145.6611	18.0929	0.2220	0.6303	9.4056	0.1309
12:31:11	302.69	4.02	470.33	881.56	404.15	79.00	930.00	193.8804	204.3017	20.2415	0.2558	0.7166	10.0794	0.1365
12:31:12	302.69	4.10	469.84	479.85	274.73	78.76	610.68	211.8824	223.4334	20.5807	0.2929	0.8111	10.7741	0.1422
12:31:13	302.81	4.18	469.35	333.33	208.79	78.76	708.81	168.3908	177.6445	21.4854	0.3223	0.8862	11.5051	0.1482

1 K1	1	unitless	for flow calc	
2 K2	1	unitless	for NOx calc (expt deriv.)	K2=1/(1-0.0047*(H-75))
3 CO density	32.85	gm/ft^3	T=70 F, P=760 mmHG	H=grains of water/lbm dry air
4 NOx density	53.95	gm/ft^3	T=70 F, P=760 mmHG	
5 Rhc	1.6	unitless	Diesel #2	
6 Ywi	0.03	unitless	for humidity comp. (from chart)	
7 gear ratio	3.58	unitless		
8 axle rev	16	pulses		
9 lire	114	inches		
10 Interval	1	seconds		
11 CO2 density	51.61	gm/ft^3	T=70 F, P=760 mmHG	
12 FF1	0.5			
13 FF2	0			

12:31:14	302.81	4.26	469.84	244.20	158.73	79.00	697.12	115.0219	121.4434	20.2415	0.3424	0.9375	12.2047	0.1538
12:31:15	428.08	4.35	470.33	192.92	128.21	78.76	690.00	62.6089	66.1796	12.5520	0.3534	0.9655	12.6478	0.1573
12:31:16	428.08	4.42	469.84	151.40	102.56	78.52	684.41	43.4917	46.0197	8.9334	0.3610	0.9849	12.9691	0.1598
12:31:17	428.21	4.53	532.36	131.87	87.91	78.76	681.86	31.8620	33.7490	5.9933	0.3666	0.9992	13.1887	0.1614
12:31:18	428.08	4.60	532.84	118.44	84.25	78.76	681.86	25.1710	26.7010	1.9224	0.3729	1.0105	13.2607	0.1620
12:31:19	428.21	4.63	532.36	113.55	79.37	78.76	880.68	19.7544	20.9747	0.4523	0.3778	1.0193	13.2779	0.1621
12:31:20	428.21	4.70	532.84	118.44	80.59	78.52	1151.19	17.2055	18.2948	0.1131	0.3821	1.0281	13.2824	0.1621
12:31:21	428.21	4.72	532.84	131.87	86.69	78.52	1262.03	15.4531	16.4450	0.1131	0.3860	1.0360	13.2868	0.1621
12:31:22	428.21	4.76	532.84	161.17	92.80	78.52	1377.46	14.8158	15.7750	2.7139	0.3897	1.0435	13.3950	0.1629
12:31:23	428.33	4.77	532.36	202.69	108.23	78.76	1592.04	15.4531	16.4680	5.5410	0.3935	1.0514	13.6191	0.1644
12:31:24	499.51	4.80	532.36	334.55	151.40	79.00	1830.51	17.2055	18.3412	6.8979	0.3978	1.0602	13.8994	0.1664
12:31:25	499.51	4.80	532.36	598.29	211.23	78.76	1740.00	21.0289	22.4262	8.2549	0.4031	1.0710	14.2371	0.1686
12:31:26	499.39	4.83	532.36	989.01	321.12	78.76	1659.15	26.4455	28.2085	9.7250	0.4097	1.0845	14.6363	0.1713
12:31:27	499.51	4.84	532.36	1025.64	350.43	79.00	1688.14	43.6510	46.5864	12.3258	0.4224	1.1068	15.1455	0.1748
12:31:28	499.51	4.84	592.43	1158.73	398.83	78.52	1915.42	78.0620	83.3115	14.8136	0.4452	1.1467	15.7575	0.1789
12:31:29	499.51	4.88	591.94	1400.49	478.63	78.52	1745.59	129.0412	137.7687	16.7360	0.4829	1.2126	16.4528	0.1835
12:31:30	499.51	4.90	591.94	1313.80	478.63	78.76	1005.25	133.8204	142.8933	17.7537	0.5220	1.2810	17.1922	0.1885
12:31:31	499.51	4.92	591.94	908.42	384.62	78.76	775.42	151.1853	161.4355	20.6938	0.5661	1.3670	18.0541	0.1942
12:31:32	499.39	4.96	591.94	484.74	257.63	78.76	659.49	182.7287	195.2082	21.2592	0.6195	1.4710	18.9459	0.2001
12:31:33	499.51	4.99	591.94	338.22	195.36	78.52	710.34	171.4177	183.1814	21.1461	0.6696	1.5685	19.8373	0.2060
12:31:34	499.51	5.02	591.94	228.33	142.86	78.76	694.58	118.5267	126.6870	16.8491	0.7042	1.6359	20.5498	0.2107
12:31:35	499.63	5.06	591.94	190.48	120.88	78.52	697.63	63.2461	67.6388	13.3435	0.7227	1.6719	21.1190	0.2144
12:31:36	499.51	5.09	591.94	147.74	97.68	78.76	683.90	44.1289	47.2133	9.8380	0.7356	1.6971	21.5413	0.2171
12:31:37	499.51	5.09	591.94	147.74	97.68	78.76	683.90	29.7910	31.8864	6.1064	0.7444	1.7140	21.8050	0.2188
12:31:38	499.39	5.13	591.94	131.87	89.13	78.52	682.37	24.8524	26.6142	3.3924	0.7516	1.7282	21.9527	0.2198
12:31:39	499.51	5.17	591.94	113.55	80.59	78.76	911.70	19.2765	20.6505	1.3570	0.7573	1.7392	22.0121	0.2201
12:31:40	499.51	5.20	592.43	113.55	79.37	78.76	1096.27	19.2765	20.6505	1.3570	0.7629	1.7502	22.0715	0.2205
12:31:41	499.51	5.20	591.94	125.76	83.03	78.76	1198.48	17.2055	18.4413	0.3392	0.7680	1.7600	22.0864	0.2206
12:31:42	499.51	5.18	591.94	162.39	90.35	78.76	1378.48	14.8158	15.8882	3.2793	0.7723	1.7685	22.2322	0.2215
12:31:43	499.63	5.18	591.94	202.69	97.68	78.76	1519.83	14.8158	15.8948	5.0886	0.7767	1.7769	22.4596	0.2229
12:31:44	499.51	5.15	591.94	288.16	119.66	78.76	1818.81	16.4089	17.6039	6.2194	0.7815	1.7863	22.7377	0.2247
12:31:45	499.63	5.15	591.94	652.01	195.36	78.52	1779.66	21.1882	22.7266	8.3680	0.7877	1.7984	23.1106	0.2270
12:31:46	499.51	5.13	591.94	967.03	277.17	78.76	1722.71	26.4455	28.3655	9.9511	0.7955	1.8135	23.5542	0.2297
12:31:47	499.51	5.13	591.94	1157.51	377.29	78.52	1853.90	37.5972	40.3102	12.3258	0.8065	1.8350	24.1002	0.2332
12:31:48	499.51	5.12	591.94	1531.14	489.62	78.52	1924.58	85.0716	91.2105	15.1528	0.8314	1.8835	24.7715	0.2374
12:31:49	499.51	5.10	591.94	1746.03	611.72	78.76	1789.83	126.1736	135.2436	17.1883	0.8684	1.9555	25.5301	0.2422
12:31:50	499.51	5.13	592.43	1387.06	567.77	78.52	1028.14	151.0260	161.8824	18.9976	0.9127	2.0417	26.3686	0.2474
12:31:51	499.63	5.13	591.94	957.26	567.77	78.52	1028.14	199.7748	214.0914	20.8069	0.9712	2.1557	27.2840	0.2532
12:31:52	499.63	5.13	591.94	957.26	457.88	78.52	893.90	227.8134	244.1015	21.4854	1.0380	2.2856	28.2272	0.2592
12:31:53	499.51	5.17	592.43	354.09	240.54	78.52	715.93	180.9763	193.9756	22.2769	1.0911	2.3890	29.2096	0.2654
12:31:54	499.51	5.17	592.43	354.09	240.54	78.52	715.93	124.8991	133.8706	22.2769	1.1277	2.4602	30.1921	0.2716
12:31:55	499.51	5.20	591.94	260.07	194.14	78.76	692.54	124.8991	133.8706	19.3368	1.1643	2.5315	31.0448	0.2769
12:31:56	499.51	5.22	591.94	202.69	162.39	78.52	694.07	46.1999	49.5491	9.3857	1.1778	2.5579	31.4625	0.2795
12:31:57	499.63	5.22	591.94	170.94	125.76	79.00	682.88	46.1999	49.5491	9.3857	1.1914	2.5843	31.8802	0.2821
12:31:58	499.63	5.26	565.57	151.40	107.45	78.76	682.88	33.9331	36.4061	6.5587	1.2013	2.6037	32.1736	0.2840
12:31:59	499.51	5.26	566.06	137.97	98.90	78.76	681.36	26.4455	28.3801	3.8447	1.2091	2.6188	32.3463	0.2850
12:32:00	499.51	5.23	566.06	125.76	89.13	79.00	1122.20	22.3034	23.9351	1.4701	1.2157	2.6315	32.4123	0.2854
12:32:01	499.51	5.21	566.06	135.53	90.35	79.00	1215.26	19.7544	21.2095	0.1131	1.2215	2.6423	32.4174	0.2855
12:32:02	499.51	5.21	566.06	135.53	90.35	79.00	1215.26	18.0020	19.3280	0.1131	1.2267	2.6522	32.4225	0.2855
12:32:03	499.51	5.18	566.54	155.07	94.02	78.76	1352.03	16.4089	17.6121	5.6540	1.2316	2.6611	32.6770	0.2871
12:32:04	499.51	5.16	566.06	213.68	117.22	78.76	1597.63	17.6834	18.9751	6.8979	1.2368	2.6708	32.9863	0.2890
12:32:05	499.51	5.12	566.54	332.11	158.29	78.76	1841.19	17.6834	18.9751	6.8979	1.2419	2.6804	33.2956	0.2909
12:32:06	499.51	5.10	566.06	786.32	278.39	78.76	1778.14	20.2324	21.7013	8.1418	1.2479	2.6915	33.6585	0.2932
12:32:07	499.51	5.06	566.06	1079.36	372.41	79.00	1734.92	27.8793	29.8957	10.7427	1.2561	2.7067	34.1355	0.2961
12:32:08	499.39	5.01	540.17	1544.57	587.30	79.00	1869.66	43.3324	46.4425	12.4389	1.2688	2.7304	34.6836	0.2996
12:32:09	499.51	5.00	540.17	1612.94	632.48	78.76	1170.00	102.5957	109.9197	16.5098	1.2988	2.7863	35.4073	0.3042
12:32:10	499.51	5.00	540.17	1612.94	632.48	78.76	1170.00	140.8301	150.8058	17.5275	1.3401	2.8631	36.1697	0.3091
12:32:11	499.51	5.01	540.17	1218.56	549.45	78.52	934.07	201.5273	215.6687	21.1461	1.3990	2.9679	37.0809	0.3149
12:32:12	499.51	5.01	539.68	678.88	371.18	79.25	710.34	210.4486	225.1813	21.7115	1.4606	3.0773	38.0143	0.3210
12:32:13	499.51	5.02	540.17	454.21	275.95	79.00	716.44	210.4486	225.1813	21.7115	1.5222	3.1867	38.9477	0.3270
12:32:14	499.51	5.06	540.17	219.78	140.42	78.76	694.07	158.9915	170.1482	20.3545	1.5687	3.2693	39.8249	0.3326
12:32:15	499.51	5.06	540.17	219.78	140.42	78.76	694.07	88.5764	94.7920	15.2659	1.5946	3.3153	40.4827	0.3369
12:32:16	499.51	5.09	539.68	179.49	130.65	79.25	687.46	59.2634	63.4318	11.1950	1.6120	3.3461	40.9663	0.3400
12:32:17	499.51	5.15	575.82	141.64	95.24	79.00	680.85	28.6758	30.7086	3.8447	1.6204	3.3611	41.1336	0.3411
12:32:18	499.51	5.17	576.31	130.65	86.69	79.25	803.39	28.6758	30.7086	3.8447	1.6288	3.3760	41.3010	0.3421
12:32:19	499.63	5.17	576.80	131.87	86.69	79.00	1101.36	23.4186	25.0891	1.3570	1.6357	3.3882	41.3604	0.3425
12:32:20	499.51	5.16	576.31	148.96	90.35	79.00	1192.88	18.4800	19.8145	0.1131	1.6411	3.3984	41.3654	0.3425

12:32:21	499.51	5.16	576.31	189.26	103.79	79.25	1378.98	17.0462	18.2819	1.2439	1.6461	3.4079	41.4208	0.3429
12:32:22	499.51	5.15	576.31	219.78	116.00	79.00	1548.31	17.2055	18.4528	5.2017	1.6511	3.4175	41.6523	0.3443
12:32:23	499.51	5.15	576.31	219.78	116.00	79.00	1548.31	19.4358	20.8416	6.3325	1.6568	3.4283	41.9335	0.3461
12:32:24	499.51	5.12	576.80	681.32	231.99	79.00	1808.14	24.6931	26.4790	8.4811	1.6641	3.4420	42.3101	0.3484
12:32:25	499.51	5.10	576.31	937.73	317.46	79.25	1708.98	28.6758	30.7451	10.1773	1.6725	3.4579	42.7609	0.3513
12:32:26	499.51	5.08	576.31	1079.36	380.95	79.00	1797.97	28.6758	30.7451	10.1773	1.6809	3.4739	43.2118	0.3541
12:32:27	499.51	5.08	611.97	1406.59	474.97	79.00	1918.48	88.8950	95.2656	15.0398	1.7069	3.5233	43.8735	0.3583
12:32:28	499.51	5.06	611.97	1577.53	561.66	79.00	1572.20	122.3502	131.0912	16.7360	1.7428	3.5912	44.6077	0.3629
12:32:29	499.51	5.06	612.45	1280.83	509.16	79.00	883.22	140.8301	150.8525	18.0929	1.7840	3.6694	45.3983	0.3680
12:32:30	499.51	5.06	612.45	1280.83	509.16	79.00	883.22	183.5252	196.5860	20.8069	1.8378	3.7776	46.3075	0.3737
12:32:31	499.76	5.11	611.97	448.11	222.22	79.00	627.97	205.8286	220.4198	21.4854	1.8981	3.8989	47.2427	0.3797
12:32:32	499.51	5.11	612.45	264.96	167.28	79.25	714.41	167.1163	178.9631	19.6761	1.9470	3.9975	48.0992	0.3852
12:32:33	499.51	5.13	612.45	202.69	131.87	79.49	702.71	167.1163	178.9631	19.6761	1.9960	4.0961	48.9557	0.3906
12:32:34	499.51	5.14	612.45	166.06	112.33	79.00	692.03	58.4668	62.6503	13.6828	2.0131	4.1305	49.5568	0.3944
12:32:35	499.51	5.17	612.45	141.64	97.68	78.76	686.44	34.5703	37.0439	9.6119	2.0232	4.1509	49.9791	0.3971
12:32:36	499.39	5.17	612.45	135.53	95.24	79.00	680.85	26.4455	28.3450	7.1241	2.0310	4.1666	50.2933	0.3991
12:32:37	499.51	5.20	590.48	126.98	90.35	79.00	679.32	21.6662	23.2272	4.2971	2.0373	4.1793	50.4834	0.4003
12:32:38	499.51	5.20	590.48	126.98	90.35	79.00	679.32	18.4800	19.8196	1.5831	2.0428	4.1903	50.5538	0.4007
12:32:39	499.51	5.20	589.99	114.77	85.47	79.00	1172.03	17.6834	18.9653	0.1131	2.0479	4.2007	50.5588	0.4007
12:32:40	499.51	5.20	589.99	114.77	85.47	79.00	1172.03	16.5683	17.7748	0.1131	2.0528	4.2102	50.5639	0.4008
12:32:41	499.51	5.17	589.99	135.53	87.91	79.00	1307.80	16.5683	17.7748	0.1131	2.0577	4.2196	50.5690	0.4008
12:32:42	499.51	5.17	589.99	167.28	96.46	79.25	1452.20	14.9752	16.0657	5.6540	2.0621	4.2281	50.8217	0.4024
12:32:43	499.51	5.14	590.48	290.60	130.65	79.00	1731.36	14.9752	16.0657	5.6540	2.0665	4.2366	51.0745	0.4039
12:32:44	499.51	5.14	590.48	290.60	130.65	79.25	1731.36	17.6834	18.9634	7.2372	2.0716	4.2467	51.3961	0.4060
12:32:45	499.51	5.08	590.48	1026.86	334.55	78.76	1643.39	21.8255	23.4053	8.9334	2.0780	4.2591	51.7930	0.4084
12:32:46	499.51	5.03	589.99	1150.18	407.81	79.25	1831.53	37.9158	40.6456	11.6473	2.0892	4.2807	52.3079	0.4117
12:32:47	499.51	5.03	566.06	1358.97	478.63	78.76	1869.15	37.9158	40.6456	11.6473	2.1003	4.3023	52.8227	0.4149
12:32:48	499.51	5.03	566.06	1358.97	478.63	78.76	1869.15	133.9798	143.5146	15.9444	2.1395	4.3785	53.5194	0.4193
12:32:49	499.51	5.01	566.06	1460.32	514.04	78.76	1098.81	150.0701	160.6505	19.1107	2.1835	4.4637	54.3468	0.4247
12:32:50	499.51	5.02	566.54	1058.61	438.34	78.76	921.36	177.3121	189.8132	20.6938	2.2354	4.5604	55.2427	0.4304
12:32:51	499.51	5.02	566.54	583.64	306.47	79.00	735.25	177.3121	189.8132	20.6938	2.2873	4.6570	56.1386	0.4361
12:32:52	499.51	5.02	566.54	583.64	306.47	79.25	735.25	190.5349	203.8945	21.5984	2.3430	4.7608	57.0686	0.4421
12:32:53	499.63	5.06	566.54	221.00	131.87	78.76	693.05	138.1219	147.8294	20.3545	2.3835	4.8361	57.9471	0.4478
12:32:54	499.51	5.08	566.54	179.49	108.67	79.00	693.05	76.1502	81.5023	15.9444	2.4058	4.8776	58.6353	0.4522
12:32:55	499.51	5.08	566.54	179.49	108.67	79.00	693.05	76.1502	81.5023	15.9444	2.4281	4.9192	59.3235	0.4567
12:32:56	499.51	5.08	566.54	151.40	94.02	79.00	684.41	28.8351	30.8793	5.9933	2.4365	4.9349	59.5843	0.4583
12:32:57	499.63	5.11	566.54	125.76	84.25	78.76	679.32	23.4186	25.0852	3.1663	2.4434	4.9477	59.7227	0.4592
12:32:58	499.51	5.10	566.06	118.44	78.14	79.00	684.41	23.4186	25.0852	3.1663	2.4502	4.9605	59.8611	0.4601
12:32:59	499.51	5.10	548.47	109.89	70.82	79.00	815.59	19.7544	21.1603	1.5831	2.4560	4.9712	59.9302	0.4605
12:33:00	499.51	5.09	547.99	106.23	68.38	78.76	887.80	16.4089	17.5840	0.1131	2.4608	4.9802	59.9352	0.4606
12:33:01	499.39	5.04	548.47	122.10	75.70	78.52	1342.88	15.4531	16.5571	0.0000	2.4653	4.9886	59.9352	0.4606
12:33:02	499.51	5.03	548.47	155.07	84.25	78.52	1502.03	14.3379	15.3622	3.1663	2.4695	4.9962	60.0741	0.4614
12:33:03	499.51	4.99	547.99	218.56	102.56	78.52	1706.44	13.8600	14.8479	3.8447	2.4736	5.0035	60.2424	0.4625
12:33:04	499.51	4.96	548.47	590.96	190.48	78.52	1875.76	15.9310	17.0551	7.8026	2.4783	5.0119	60.5804	0.4647
12:33:05	499.51	4.92	547.99	993.90	310.13	78.76	1771.53	20.2324	21.6566	9.4988	2.4842	5.0226	60.9910	0.4673
12:33:06	499.51	4.90	547.99	1258.85	420.02	78.52	1820.34	28.5165	30.5081	11.5342	2.4925	5.0377	61.4858	0.4705
12:33:07	499.51	4.87	548.47	1429.79	479.85	78.52	1917.97	77.1061	82.4614	14.9267	2.5151	5.0783	62.1225	0.4747
12:33:08	499.51	4.87	527.96	1643.47	572.65	78.52	1775.09	129.6785	138.6064	16.8491	2.5530	5.1466	62.8350	0.4793
12:33:09	499.51	4.86	527.96	1271.06	511.60	78.52	981.36	164.2487	175.5205	18.8845	2.6010	5.2331	63.6310	0.4846
12:33:10	499.51	4.86	527.96	857.14	390.72	78.76	894.92	186.5521	199.2825	20.6938	2.6555	5.3314	64.4984	0.4903
12:33:11	499.51	4.88	527.96	564.10	293.04	78.52	649.83	214.4314	229.0642	21.2592	2.7181	5.4402	65.3895	0.4962
12:33:12	499.63	4.90	527.96	321.12	186.81	78.76	712.37	165.8418	177.1315	21.2592	2.7666	5.5243	66.2785	0.5021
12:33:13	499.51	4.92	527.96	239.32	142.86	78.76	698.64	111.8357	119.4489	19.4499	2.7993	5.5810	67.0918	0.5075
12:33:14	499.51	4.95	528.45	173.38	111.11	78.52	694.58	73.6013	78.6360	14.0220	2.8208	5.6184	67.6810	0.5114
12:33:15	499.51	4.98	527.96	150.18	102.56	78.52	685.42	41.8986	44.7762	9.2726	2.8330	5.6396	68.0722	0.5140
12:33:16	499.51	4.99	527.96	135.53	94.02	78.76	679.83	31.2248	33.3780	6.5587	2.8421	5.6555	68.3500	0.5158
12:33:17	499.51	4.99	533.82	120.88	86.69	78.76	681.36	22.6220	24.1895	2.9401	2.8487	5.6670	68.4751	0.5167
12:33:18	499.63	5.01	533.82	117.22	83.03	79.00	799.32	19.5951	20.9626	1.4701	2.8545	5.6769	68.5381	0.5171
12:33:19	499.51	5.01	534.31	114.77	80.59	78.52	886.78	17.6834	18.9204	0.4523	2.8597	5.6859	68.5575	0.5172
12:33:20	499.51	5.01	534.31	122.10	80.59	78.52	1127.29	15.7717	16.8749	0.1131	2.8643	5.6940	68.5624	0.5172
12:33:21	499.51	4.98	534.31	137.97	84.25	78.76	1300.68	15.2938	16.3661	2.7139	2.8687	5.7019	68.6792	0.5180
12:33:22	499.51	4.96	534.31	196.58	96.46	78.52	1542.71	14.9752	16.0252	3.8447	2.8731	5.7096	68.8448	0.5190
12:33:23	499.51	4.94	533.82	299.15	123.32	78.76	1746.10	15.9310	17.0480	5.8802	2.8778	5.7178	69.0980	0.5207
12:33:24	499.51	4.94	533.82	565.32	177.05	78.76	1887.46	18.0020	19.2583	7.4633	2.8831	5.7270	69.4179	0.5227
12:33:25	499.51	4.94	533.82	565.32	177.05	78.76	1887.46	25.6489	27.4318	9.8380	2.8906	5.7402	69.8378	0.5255
12:33:26	499.51	4.89	533.82	1168.50	326.01	78.52	1793.39	39.0310	41.7311	11.8735	2.9020	5.7602	70.3423	0.5288
12:33:27	499.51	4.87	533.82	1628.81	515.26	78.52	1926.61	73.7606	78.8632	13.9089	2.9235	5.7981	70.9333	0.5326

12:33:28	499.51	4.85	542.61	1763.13	632.48	78.52	1328.14	73.7606	78.8632	13.9089	2.9451	5.8359	71.5242	0.5365
12:33:29	499.51	4.85	541.64	1360.19	576.31	78.52	974.24	152.4598	162.8973	17.1883	2.9897	5.9141	72.2470	0.5413
12:33:30	499.51	4.85	542.12	930.40	411.48	78.76	779.49	212.5196	227.0220	20.5807	3.0517	6.0231	73.1097	0.5470
12:33:31	499.51	4.88	542.12	510.38	312.58	78.52	652.37	230.0437	245.6786	22.1639	3.1189	6.1430	74.0350	0.5532
12:33:32	499.51	4.90	541.64	355.31	233.21	78.76	718.47	177.4714	189.5332	21.1461	3.1708	6.2354	74.9179	0.5590
12:33:33	499.51	4.90	541.64	355.31	233.21	78.76	718.47	121.3943	129.6448	16.7360	3.2062	6.2986	75.6166	0.5637
12:33:34	499.51	4.92	542.12	207.57	126.98	78.76	698.14	66.5916	71.1395	12.6651	3.2257	6.3332	76.1479	0.5672
12:33:35	499.51	4.95	542.12	174.60	108.67	78.52	690.00	46.3592	49.5382	9.4988	3.2392	6.3574	76.5480	0.5698
12:33:36	499.51	4.96	542.12	137.97	95.24	78.76	682.37	46.3592	49.5382	9.4988	3.2528	6.3815	76.9481	0.5725
12:33:37	499.51	4.98	542.12	124.54	87.91	78.52	682.37	27.0827	28.9503	3.5055	3.2607	6.3956	77.0965	0.5734
12:33:38	499.51	4.99	560.20	117.22	83.03	78.52	837.46	22.7813	24.3611	2.0355	3.2674	6.4075	77.1832	0.5740
12:33:39	499.51	4.99	560.20	116.00	81.81	79.00	1047.46	18.0020	19.2533	0.3392	3.2726	6.4169	77.1977	0.5741
12:33:40	499.51	4.99	560.20	116.00	81.81	79.00	1047.46	16.2496	17.3836	0.1131	3.2774	6.4254	77.2025	0.5741
12:33:41	499.51	4.99	560.20	125.76	84.25	78.52	1134.92	15.2938	16.3636	2.6009	3.2819	6.4336	77.3143	0.5749
12:33:42	499.51	4.97	560.68	153.85	92.80	78.76	1361.19	15.1345	16.1931	5.0886	3.2863	6.4418	77.5329	0.5763
12:33:43	499.63	4.96	560.20	191.70	109.89	78.52	1535.59	15.1345	16.1931	5.0886	3.2907	6.4499	77.7515	0.5777
12:33:44	499.51	4.94	560.20	357.75	166.06	79.00	1895.09	16.4089	17.5568	6.1064	3.2955	6.4588	78.0138	0.5794
12:33:45	499.51	4.92	560.20	697.19	250.31	78.52	1828.48	20.0731	21.4706	8.2549	3.3014	6.4696	78.3667	0.5817
12:33:46	499.51	4.88	560.20	1076.92	366.30	78.52	1762.37	25.0117	26.7488	10.0642	3.3087	6.4831	78.7960	0.5845
12:33:47	499.51	4.87	560.68	1351.65	460.32	78.76	1828.48	46.6779	49.9044	12.7781	3.3223	6.5082	79.3385	0.5880
12:33:48	499.51	4.87	560.71	1610.50	600.73	79.00	1091.70	90.9661	97.2339	15.9444	3.3489	6.5572	80.0133	0.5924
12:33:49	499.63	4.87	560.71	1107.45	501.83	78.76	955.93	140.5115	150.1156	17.8668	3.3900	6.6328	80.7634	0.5974
12:33:50	499.63	4.87	560.71	1107.45	501.83	78.76	955.93	176.3563	188.3714	19.3368	3.4415	6.7278	81.5727	0.6028
12:33:51	499.51	4.87	560.22	764.35	383.39	79.00	846.10	210.1300	224.4462	21.8246	3.5029	6.8450	82.4860	0.6088
12:33:52	499.51	4.90	560.71	424.91	244.20	79.00	712.88	144.4943	154.3387	20.8069	3.5451	6.9256	83.3568	0.6146
12:33:53	499.63	4.90	560.22	315.02	190.48	78.52	712.88	144.4943	154.3387	20.8069	3.5873	7.0062	84.2276	0.6204
12:33:54	499.51	4.95	560.71	227.11	131.87	79.00	692.54	99.7281	106.5226	18.4322	3.6165	7.0618	84.9990	0.6255
12:33:55	499.51	4.95	560.71	184.37	111.11	79.00	697.12	55.4399	59.2446	11.8735	3.6327	7.0928	85.4994	0.6288
12:33:56	499.51	5.00	560.71	125.76	86.69	79.00	678.31	41.1020	43.9227	9.1596	3.6447	7.1157	85.8855	0.6314
12:33:57	499.51	5.00	576.27	119.66	83.03	79.00	680.85	29.6317	31.6865	5.7671	3.6533	7.1322	86.1312	0.6330
12:33:58	499.51	5.00	578.27	119.66	83.03	79.00	680.85	24.0558	25.7239	3.5055	3.6604	7.1457	86.2805	0.6339
12:33:59	499.51	5.02	578.75	118.44	81.81	78.76	899.49	16.4089	17.5586	0.7916	3.6652	7.1548	86.3145	0.6342
12:34:00	499.51	5.01	578.27	135.53	86.69	79.00	1173.58	15.6124	16.7062	0.1131	3.6697	7.1635	86.3194	0.6342
12:34:01	499.51	5.01	578.75	157.51	89.13	78.76	1299.66	15.6124	16.7062	0.1131	3.6743	7.1722	86.3242	0.6342
12:34:02	499.51	4.98	578.27	210.01	106.23	78.76	1520.34	15.4531	16.5400	2.8270	3.6788	7.1808	86.4464	0.6350
12:34:03	499.51	4.98	577.78	302.81	129.43	78.52	1708.98	17.6834	18.9233	5.8802	3.6840	7.1907	86.6995	0.6366
12:34:04	499.51	4.93	578.27	940.17	296.70	78.76	1570.17	20.5510	21.9920	7.3503	3.6900	7.2021	87.0160	0.6387
12:34:05	499.51	4.93	578.27	940.17	296.70	78.76	1570.17	27.4013	29.3135	9.8380	3.6980	7.2173	87.4377	0.6414
12:34:06	499.51	4.92	578.27	984.13	332.11	78.76	1695.26	39.5089	42.2660	11.6473	3.7096	7.2393	87.9369	0.6447
12:34:07	499.51	4.90	578.27	1136.75	389.50	78.76	1840.68	122.6688	131.1413	15.2659	3.7455	7.3075	88.5844	0.6489
12:34:08	499.51	4.88	576.31	1604.40	582.42	78.76	1858.98	122.6688	131.1413	15.2659	3.7813	7.3757	89.2320	0.6531
12:34:09	499.51	4.88	576.31	1680.10	655.68	78.52	1295.09	128.4040	137.2513	16.8491	3.8189	7.4471	89.9451	0.6578
12:34:10	499.51	4.88	576.31	1089.13	500.61	78.52	952.88	148.3177	158.5044	18.9976	3.8622	7.5295	90.7465	0.6631
12:34:11	499.51	4.88	576.31	742.37	383.39	78.76	825.25	209.3334	223.6300	20.9200	3.9234	7.6454	91.6241	0.6689
12:34:12	499.51	4.89	576.31	301.59	199.02	78.76	717.97	219.2107	234.1818	22.1639	3.9874	7.7668	92.5539	0.6751
12:34:13	499.51	4.92	576.31	239.32	161.17	78.76	702.71	142.1046	151.8097	20.8069	4.0289	7.8455	93.4268	0.6808
12:34:14	499.51	4.92	576.31	239.32	161.17	78.76	702.71	96.8605	103.4757	17.8668	4.0572	7.8991	94.1763	0.6858
12:34:15	499.51	4.94	576.31	203.91	137.97	79.00	694.58	39.3496	42.0457	9.4988	4.0687	7.9209	94.5761	0.6884
12:34:16	499.51	4.94	576.31	163.81	112.33	79.25	698.64	31.2248	33.3745	7.2372	4.0779	7.9382	94.8821	0.6905
12:34:17	499.63	4.96	576.31	146.52	100.12	79.25	688.47	31.2248	33.3745	7.2372	4.0870	7.9555	95.1881	0.6925
12:34:18	499.51	4.97	568.50	117.22	79.37	79.00	876.10	26.6048	28.4453	5.2017	4.0948	7.9702	95.4092	0.6939
12:34:19	499.51	4.97	568.50	117.22	79.37	79.00	876.10	21.3476	22.8243	3.0532	4.1010	7.9821	95.5389	0.6948
12:34:20	499.51	4.95	568.01	184.84	86.69	79.25	1467.97	19.1172	20.4450	1.8093	4.1066	7.9927	95.6161	0.6953
12:34:21	499.51	4.92	568.01	221.00	113.55	79.25	1665.76	15.2938	16.3594	3.2793	4.1111	8.0010	95.7564	0.6962
12:34:22	499.51	4.89	568.50	366.30	164.84	79.00	1912.88	15.2938	16.3594	3.2793	4.1156	8.0094	95.8967	0.6971
12:34:23	499.51	4.87	568.50	890.11	312.58	78.76	1758.31	21.5069	22.9982	8.9334	4.1218	8.0211	96.2772	0.6996
12:34:24	499.51	4.84	568.01	1120.88	387.06	79.25	1749.66	28.8351	30.8219	10.8558	4.1303	8.0369	96.7366	0.7026
12:34:25	499.51	4.84	568.01	1219.78	439.56	79.25	1721.19	47.7930	51.0676	12.6651	4.1442	8.0630	97.2696	0.7061
12:34:26	499.51	4.84	568.01	1219.78	439.56	79.25	1721.19	116.1371	124.0495	16.0575	4.1782	8.1264	97.9416	0.7106
12:34:27	499.51	4.81	560.68	1213.68	559.22	79.25	1656.10	146.2467	156.1540	17.3014	4.2209	8.2062	98.6616	0.7154
12:34:28	499.51	4.81	560.20	956.04	443.22	79.25	994.07	159.1508	169.9323	18.4322	4.2673	8.2930	99.4286	0.7205
12:34:29	499.51	4.81	560.20	675.21	334.55	79.00	876.61	159.1508	169.9323	18.4322	4.3138	8.3798	100.1957	0.7256
12:34:30	499.63	4.85	560.68	465.20	249.08	78.76	638.14	158.3543	169.0294	20.5807	4.3600	8.4650	101.0480	0.7313
12:34:31	499.51	4.87	560.20	284.49	155.07	79.00	718.47	124.7398	133.1490	20.9200	4.3965	8.5321	101.9144	0.7371
12:34:32	499.51	4.89	560.68	228.33	135.53	79.00	702.20	88.0985	94.0375	19.1107	4.4222	8.5795	102.7058	0.7424
12:34:33	499.51	4.93	560.68	189.26	105.01	79.00	690.51	60.6972	64.8157	13.6828	4.4399	8.6122	103.2761	0.7462
12:34:34	499.51	4.95	560.20	144.08	92.80	79.49	696.61	37.1192	39.6482	9.7250	4.4508	8.6322	103.6831	0.7489

12:34:35	499.51	4.95	560.20	144.08	92.80	79.49	696.61	29.7910	31.8305	8.0287	4.4595	8.6482	104.0208	0.7512
12:34:36	499.51	4.99	560.68	114.77	75.70	78.76	680.85	24.6931	26.3986	5.2017	4.4667	8.6615	104.2414	0.7526
12:34:37	499.51	4.99	569.96	109.89	70.82	79.00	679.83	18.7986	20.1011	3.5055	4.4722	8.6716	104.3906	0.7536
12:34:38	499.51	5.01	569.96	109.89	68.38	79.00	878.14	18.7986	20.1011	3.5055	4.4777	8.6818	104.5398	0.7546
12:34:39	499.51	5.01	569.96	136.75	75.70	79.25	1204.58	14.9752	16.0227	1.0177	4.4821	8.6898	104.5835	0.7548
12:34:40	499.51	4.99	569.96	167.28	85.47	79.00	1352.54	14.3379	15.3409	0.2262	4.4862	8.6977	104.5932	0.7549
12:34:41	499.39	4.99	569.96	213.68	118.44	79.25	1612.88	14.3379	15.3440	2.9401	4.4904	8.7056	104.7199	0.7557
12:34:42	499.51	4.98	569.96	423.69	157.51	79.25	1836.61	17.8427	19.0948	5.9933	4.4957	8.7154	104.9782	0.7574
12:34:43	499.51	4.98	569.96	423.69	157.51	79.25	1836.61	21.8255	23.3522	7.8026	4.5021	8.7273	105.3134	0.7596
12:34:44	499.51	4.94	569.96	1379.73	385.84	79.25	1789.83	27.8793	29.8294	10.4034	4.5102	8.7426	105.7603	0.7624
12:34:45	499.51	4.93	569.96	1543.34	443.22	79.00	1773.05	55.2806	59.1353	12.2127	4.5264	8.7729	106.2833	0.7658
12:34:46	499.51	4.91	569.96	1555.56	477.41	79.00	1784.75	55.2806	59.1353	12.2127	4.5426	8.8032	106.8063	0.7692
12:34:47	499.51	4.92	578.27	1515.26	465.20	79.00	1420.68	180.0204	192.4838	17.6406	4.5952	8.9019	107.5564	0.7741
12:34:48	499.63	4.90	578.27	1134.31	390.72	78.76	951.86	201.3679	215.2760	18.7714	4.6541	9.0123	108.3527	0.7793
12:34:49	499.51	4.90	578.27	755.80	305.25	78.52	906.61	202.9610	216.9119	20.1284	4.7134	9.1234	109.2025	0.7849
12:34:50	499.51	4.90	578.27	755.80	305.25	78.52	906.61	197.7038	211.3260	20.3545	4.7712	9.2333	110.0639	0.7906
12:34:51	499.51	4.97	578.75	285.71	146.52	78.76	715.42	147.9991	158.1640	20.3545	4.8144	9.3156	110.9226	0.7962
12:34:52	499.51	4.97	578.27	190.48	107.45	79.00	703.73	98.6130	105.3859	19.7892	4.8433	9.3704	111.7574	0.8017
12:34:53	499.51	4.98	578.27	157.51	96.46	78.76	698.64	98.6130	105.3859	19.7892	4.8721	9.4252	112.5922	0.8072
12:34:54	499.51	4.99	578.75	145.30	94.02	79.00	704.24	37.2786	39.8739	9.4988	4.8830	9.4460	112.9984	0.8099
12:34:55	499.51	5.02	578.75	126.98	87.91	78.76	690.51	24.8524	26.5826	7.5764	4.8903	9.4598	113.3223	0.8120
12:34:56	499.51	5.02	578.75	126.98	87.91	78.76	690.51	20.5510	21.9852	5.8802	4.8963	9.4712	113.5743	0.8136
12:34:57	499.51	5.01	578.75	119.66	83.03	78.76	684.41	18.9579	20.2840	3.9578	4.9018	9.4818	113.7443	0.8147
12:34:58	499.51	5.01	555.80	112.33	76.92	78.76	681.36	16.5683	17.7327	2.4878	4.9067	9.4910	113.8517	0.8154
12:34:59	499.51	5.01	555.80	106.23	69.60	78.76	1023.05	16.5683	17.7327	2.4878	4.9115	9.5002	113.9591	0.8161
12:35:00	499.51	5.01	555.80	106.23	69.60	78.76	1023.05	15.6124	16.7071	1.6962	4.9161	9.5089	114.0321	0.8166
12:35:01	499.51	4.97	556.78	116.00	74.48	78.52	1196.44	14.6565	15.6842	0.7916	4.9204	9.5168	114.0662	0.8168
12:35:02	499.51	4.95	556.29	141.64	79.37	78.52	1355.09	13.8600	14.8318	1.9224	4.9244	9.5242	114.1490	0.8173
12:35:03	499.51	4.93	556.29	227.11	101.34	78.52	1635.76	13.8600	14.8318	1.9224	4.9285	9.5316	114.2317	0.8179
12:35:04	499.51	4.90	555.80	409.04	142.86	78.52	1890.51	15.1345	16.1890	5.8802	4.9329	9.5397	114.4834	0.8195
12:35:05	499.63	4.86	556.29	844.93	324.79	78.28	1880.34	18.4800	19.7614	7.4633	4.9383	9.5496	114.8012	0.8216
12:35:06	499.51	4.82	555.80	1814.41	677.66	78.52	1962.71	29.6317	31.6783	10.4034	4.9470	9.5654	115.2425	0.8245
12:35:07	499.51	4.82	532.84	2078.14	826.62	78.52	1952.54	53.3689	57.0314	12.3258	4.9626	9.5940	115.7621	0.8279
12:35:08	499.51	4.81	532.84	1705.74	782.66	78.52	995.59	110.2426	117.7474	16.7360	4.9948	9.6529	116.4619	0.8325
12:35:09	499.51	4.81	532.84	1134.31	587.30	78.76	817.12	236.7348	252.7069	20.3545	5.0639	9.7792	117.3056	0.8382
12:35:10	499.51	4.82	532.84	567.77	337.00	78.52	733.22	271.1458	289.4396	21.7115	5.1431	9.9179	118.2054	0.8442
12:35:11	499.51	4.82	532.36	379.73	233.21	78.52	731.70	222.5562	237.5349	21.2592	5.2080	10.0317	119.0844	0.8501
12:35:12	499.51	4.84	532.36	275.95	166.06	78.52	713.39	147.9991	157.9599	17.6406	5.2512	10.1074	119.8138	0.8550
12:35:13	499.51	4.87	532.36	191.70	114.77	78.52	701.19	74.0792	79.0813	12.2127	5.2729	10.1453	120.3204	0.8584
12:35:14	499.51	4.90	532.84	161.17	98.90	78.76	701.19	49.5454	52.8909	10.6296	5.2873	10.1706	120.7613	0.8614
12:35:15	499.51	4.91	532.36	137.97	86.69	78.52	705.25	36.0041	38.4451	8.7072	5.2978	10.1890	121.1240	0.8638
12:35:16	499.51	4.91	532.36	119.66	75.70	78.52	693.56	25.0117	26.7171	6.4456	5.3051	10.2018	121.3939	0.8656
12:35:17	499.51	4.91	530.40	117.22	75.70	78.52	685.93	21.0289	22.4721	4.6363	5.3113	10.2126	121.5894	0.8669
12:35:18	499.51	4.91	530.40	113.55	78.14	78.52	682.88	18.0020	19.2404	3.7317	5.3165	10.2218	121.7470	0.8679
12:35:19	499.51	4.90	530.40	111.11	74.48	78.52	686.44	15.6124	16.6864	2.4878	5.3211	10.2298	121.8521	0.8686
12:35:20	499.51	4.90	530.40	108.67	69.60	78.76	683.39	15.2938	16.3459	1.5831	5.3256	10.2376	121.9190	0.8690
12:35:21	499.51	4.85	530.40	108.67	70.82	78.52	1097.80	14.8158	15.8351	0.7916	5.3299	10.2451	121.9525	0.8692
12:35:22	499.51	4.85	530.40	108.67	70.82	78.52	1097.80	14.4972	15.4913	0.5654	5.3341	10.2525	121.9763	0.8694
12:35:23	499.51	4.84	530.40	130.65	79.37	78.76	1260.51	14.1786	15.1508	0.1131	5.3383	10.2598	121.9811	0.8694
12:35:24	499.51	4.78	530.40	280.83	122.10	78.52	1762.88	14.1786	15.1422	4.8625	5.3424	10.2670	122.1841	0.8708
12:35:25	499.51	4.77	530.40	528.69	185.59	78.76	1999.32	14.1786	15.1422	4.8625	5.3466	10.2742	122.3871	0.8721
12:35:26	499.63	4.74	529.91	1010.99	337.00	78.52	1896.61	17.0462	18.2010	6.4456	5.3516	10.2829	122.6553	0.8739
12:35:27	499.63	4.72	530.40	1582.42	594.63	78.52	1939.32	36.6413	39.0953	11.6473	5.3622	10.3015	123.1345	0.8772
12:35:28	499.51	4.72	530.40	1892.55	736.26	78.52	1965.26	68.9813	73.5859	12.8912	5.3824	10.3366	123.6632	0.8807
12:35:29	499.51	4.71	529.91	1873.02	754.58	78.28	1014.92	131.9088	140.6559	16.8491	5.4208	10.4037	124.3497	0.8854
12:35:30	499.51	4.71	529.91	1873.02	754.58	78.28	1014.92	206.4659	220.1228	19.3368	5.4811	10.5087	125.1355	0.8908
12:35:31	499.76	4.73	530.40	1252.75	566.54	78.76	666.61	246.9306	263.2641	21.2592	5.5531	10.6342	125.9995	0.8967
12:35:32	499.51	4.76	530.89	424.91	242.98	78.52	713.39	244.3816	260.5062	20.4676	5.6243	10.7584	126.8293	0.9024
12:35:33	499.51	4.79	530.40	310.13	180.71	78.76	701.19	244.3816	260.5062	20.4676	5.6955	10.8825	127.6590	0.9081
12:35:34	499.51	4.81	530.40	230.77	135.53	78.76	695.08	163.4522	174.2820	14.3613	5.7432	10.9657	128.2436	0.9121
12:35:35	499.51	4.83	530.40	159.95	101.34	78.52	702.71	55.4399	59.1345	9.4988	5.7594	10.9939	128.6326	0.9147
12:35:36	499.51	4.85	530.40	136.75	91.58	78.52	699.66	40.4648	43.1770	8.0287	5.7712	11.0145	128.9632	0.9169
12:35:37	499.51	4.85	534.31	122.10	85.47	78.76	687.46	30.1096	32.1377	5.9933	5.7800	11.0298	129.2112	0.9186
12:35:38	499.51	4.85	534.31	122.10	85.47	78.76	687.46	20.8696	22.2811	4.5232	5.7861	11.0405	129.3991	0.9198
12:35:39	499.51	4.83	534.31	112.33	79.37	78.52	679.83	17.8427	19.0534	3.7317	5.7913	11.0496	129.5546	0.9209
12:35:40	499.63	4.83	534.31	111.11	79.37	78.76	679.83	15.9310	17.0120	2.4878	5.7960	11.0577	129.6583	0.9216

09-MAY-93 12:48 LACMTA Emissions Testing Facility

Test : 0 TO 20 SAWTOOTH CYCLE BASED ON CBD
Test number : 1057
Test options: Dilute Modal Bag Diesel Auxiliary data Second by Second Data Particulate sampling Smoke meter

TEST TIME (s)	--DILUTE CONCENTRATIONS-- HC (PPM)	CO (PPM)	NOx (PPM)	CO2 (%)	--------MODAL GRAMS-------- HC	CO	NOx	CO2	EXH VOL (Cu.f)	DIL. RATIO	A/F RATIO	DRIV. VIOL. (s)	DIST-ANCE (Mi)	SPEED	FUEL Mpg-US Gal/Hr	SMOKE MTR (%)	----AUXILIARY SIGNALS---- OIL			
0 DL	5.7	4.5	19.4	0.20	0.005	0.007	0.05	4.90	48.39	56.07	21.72	0.0	0.005	20.0	10.35	2.71	191.0	0.0	0.0	0.0
1 DL	5.8	4.5	19.3	0.20	0.005	0.007	0.05	4.90	48.39	56.07	21.72	0.0	0.006	20.0	11.52	2.63	191.0	0.0	0.0	0.0
2 DL	5.8	4.5	19.2	0.20	0.005	0.007	0.05	4.90	48.39	56.05	21.72	2.9	0.006	20.0	11.52	2.62	191.0	0.0	0.0	0.0
3 DL	5.8	4.5	19.4	0.20	0.005	0.007	0.05	4.90	48.39	56.06	21.72	1.0	0.006	20.0	11.52	2.60	191.0	0.0	0.0	0.0
4 DL	5.8	4.5	19.5	0.20	0.005	0.007	0.05	4.91	48.39	55.99	21.71	1.0	0.006	20.1	11.50	2.65	191.0	0.0	0.0	0.0
5 DL	5.8	4.5	19.5	0.20	0.005	0.007	0.05	4.92	48.39	55.89	21.70	1.0	0.006	20.1	11.49	2.59	191.0	0.0	0.0	0.0
6 DL	5.8	4.5	19.5	0.20	0.005	0.007	0.05	4.92	48.38	55.82	21.70	1.0	0.006	20.1	11.48	2.58	191.0	0.0	0.0	0.0
7 DL	5.8	4.5	19.6	0.20	0.005	0.007	0.05	4.93	48.38	55.71	21.69	1.0	0.006	20.1	11.45	2.60	191.0	0.0	0.0	0.0
8 DL	5.8	4.5	19.7	0.20	0.005	0.007	0.05	4.94	48.38	55.67	21.69	1.0	0.006	20.1	11.43	2.61	191.0	0.0	0.0	0.0
9 DL	5.9	4.6	19.5	0.20	0.005	0.007	0.05	4.94	48.39	55.63	21.68	1.0	0.006	20.1	11.43	2.64	191.0	0.0	0.0	0.0
10 DL	5.9	4.7	19.3	0.20	0.005	0.008	0.05	4.94	48.39	55.66	21.68	1.0	0.006	20.1	11.45	2.66	191.1	0.0	0.0	0.0
11 DL	5.9	4.7	19.3	0.20	0.005	0.008	0.05	4.94	48.38	55.67	21.69	0.2	0.006	20.1	11.46	2.58	191.1	0.0	0.0	0.0
12 DL	5.9	4.7	19.4	0.20	0.005	0.007	0.05	4.94	48.38	55.61	21.68	0.0	0.006	20.1	11.45	2.62	191.1	0.0	0.0	0.0
13 DL	6.0	4.7	19.5	0.20	0.005	0.008	0.05	4.95	48.38	55.52	21.67	0.0	0.006	20.1	11.42	2.65	191.1	0.0	0.0	0.0
14 DL	6.0	4.7	19.4	0.20	0.005	0.007	0.05	4.96	48.38	55.48	21.67	0.0	0.006	20.1	11.42	2.64	191.1	0.0	0.0	0.0
15 DL	6.0	4.6	19.3	0.20	0.005	0.007	0.05	4.95	48.38	55.53	21.67	0.0	0.006	20.1	11.43	2.62	191.1	0.0	0.0	0.0
16 DL	6.0	4.6	19.3	0.20	0.005	0.007	0.05	4.95	48.38	55.59	21.68	0.0	0.006	20.2	11.46	2.65	191.1	0.0	0.0	0.0
17 DL	6.0	4.6	19.2	0.20	0.005	0.007	0.05	4.94	48.38	55.62	21.68	0.0	0.006	20.1	11.45	2.64	191.2	0.0	0.0	0.0
18 DL	6.0	4.6	19.2	0.20	0.005	0.007	0.05	4.95	48.37	55.60	21.68	0.0	0.006	20.1	11.46	2.64	191.2	0.0	0.0	0.0
19 DL	6.0	4.5	19.1	0.20	0.005	0.007	0.05	4.94	48.38	55.61	21.68	0.0	0.006	20.1	11.46	2.66	191.2	0.0	0.0	0.0
20 DL	6.1	4.5	19.1	0.20	0.005	0.007	0.05	4.94	48.37	55.68	21.69	2.9	0.006	20.2	11.50	2.74	191.2	0.0	0.0	0.0
21 DL	6.1	4.4	19.1	0.20	0.005	0.007	0.05	4.94	48.37	55.69	21.69	1.0	0.006	20.2	11.50	2.62	191.3	0.0	0.0	0.0
22 DL	6.1	4.5	19.1	0.20	0.005	0.007	0.05	4.94	48.37	55.67	21.69	1.0	0.006	20.2	11.51	2.61	191.3	0.0	0.0	0.0
23 DL	6.1	4.5	18.9	0.20	0.005	0.007	0.05	4.94	48.37	55.68	21.69	1.0	0.006	20.2	11.50	2.59	191.3	0.0	0.0	0.0
24 DL	6.2	4.4	18.8	0.20	0.005	0.007	0.05	4.93	48.37	55.77	21.69	1.0	0.006	20.2	11.52	2.63	191.3	0.0	0.0	0.0
25 DL	6.2	4.5	18.8	0.20	0.005	0.007	0.05	4.92	48.38	55.86	21.70	1.0	0.006	20.2	11.55	2.64	191.3	0.0	0.0	0.0
26 DL	6.2	4.4	18.8	0.20	0.005	0.007	0.05	4.91	48.37	55.90	21.70	1.0	0.006	20.2	11.57	2.58	191.4	0.0	0.0	0.0
27 DL	6.2	4.5	18.8	0.20	0.005	0.007	0.05	4.91	48.37	55.92	21.71	1.0	0.006	20.2	11.57	2.57	191.4	0.0	0.0	0.0
28 DL	6.2	4.5	18.8	0.20	0.005	0.007	0.05	4.91	48.37	55.95	21.71	1.0	0.006	20.2	11.58	2.55	191.4	0.0	0.0	0.0
29 DL	6.2	4.5	18.8	0.20	0.005	0.007	0.05	4.91	48.37	55.95	21.71	1.0	0.006	20.2	11.58	2.55	191.5	0.0	0.0	0.0
30 DL	6.2	4.5	18.7	0.20	0.005	0.007	0.05	4.91	48.37	55.95	21.71	1.0	0.006	20.2	11.59	2.59	191.5	0.0	0.0	0.0
31 DL	6.2	4.5	18.4	0.20	0.005	0.007	0.05	4.90	48.37	56.02	21.71	0.3	0.006	20.2	11.59	2.57	191.5	0.0	0.0	0.0
32 DL	6.3	4.5	18.2	0.19	0.005	0.007	0.05	4.89	48.37	56.14	21.73	0.0	0.006	20.2	11.62	2.55	191.5	0.0	0.0	0.0
33 DL	6.3	4.4	18.3	0.19	0.005	0.007	0.05	4.87	48.36	56.32	21.74	0.0	0.006	20.2	11.67	2.64	191.5	0.0	0.0	0.0
34 DL	6.3	4.5	18.4	0.19	0.005	0.007	0.05	4.85	48.36	56.42	21.75	0.0	0.006	20.2	11.70	2.70	191.6	0.0	0.0	0.0
35 DL	6.3	4.4	18.5	0.19	0.005	0.007	0.05	4.86	48.36	56.42	21.75	0.0	0.006	20.2	11.69	2.62	191.6	0.0	0.0	0.0
36 DL	6.3	4.4	18.3	0.19	0.005	0.007	0.05	4.86	48.36	56.38	21.75	0.0	0.006	20.2	11.68	2.67	191.6	0.0	0.0	0.0
37 DL	6.3	4.3	18.2	0.19	0.005	0.007	0.05	4.85	48.36	56.45	21.75	0.0	0.006	20.1	11.67	2.65	191.7	0.0	0.0	0.0
38 DL	6.3	4.3	18.0	0.19	0.005	0.007	0.05	4.83	48.36	56.64	21.77	0.0	0.006	20.1	11.71	2.52	191.7	0.0	0.0	0.0
39 DL	6.4	4.2	17.5	0.19	0.005	0.007	0.05	4.79	48.36	57.05	21.80	0.0	0.006	20.1	11.81	2.48	191.7	0.0	0.0	0.0
40 DL	6.4	4.0	17.2	0.19	0.005	0.006	0.05	4.73	48.36	57.62	21.85	2.9	0.006	20.1	11.94	2.39	191.8	0.0	0.0	0.0
41 DL	6.4	4.0	17.0	0.19	0.005	0.006	0.04	4.68	48.36	58.17	21.90	1.0	0.006	20.0	12.06	2.39	191.8	0.0	0.0	0.0
42 DL	6.4	4.0	16.8	0.19	0.005	0.006	0.04	4.64	48.36	58.52	21.93	1.0	0.006	20.0	12.13	2.40	191.9	0.0	0.0	0.0
43 DL	6.4	4.0	16.8	0.18	0.005	0.006	0.04	4.61	48.36	58.82	21.96	1.0	0.006	20.0	12.19	2.48	191.9	0.0	0.0	0.0
44 DL	6.4	4.1	16.7	0.18	0.005	0.007	0.04	4.59	48.36	59.08	21.98	1.0	0.006	20.0	12.25	2.54	191.9	0.0	0.0	0.0
45 DL	6.4	4.0	16.6	0.18	0.005	0.006	0.04	4.56	48.36	59.31	22.00	1.0	0.006	20.0	12.29	2.52	191.9	0.0	0.0	0.0

46	DL	6.5	4.0	16.7	0.18	0.005	0.006	0.04	4.55	48.35	59.41	22.01	1.0	0.006	19.9	12.30	2.49	192.0	0.0	0.0	0.0
47	DL	6.5	4.0	16.7	0.18	0.005	0.006	0.04	4.55	48.35	59.51	22.02	1.0	0.006	19.9	12.30	2.50	192.0	0.0	0.0	0.0
48	DL	6.5	4.0	16.7	0.18	0.005	0.006	0.04	4.53	48.36	59.65	22.03	1.0	0.006	19.9	12.33	2.47	192.0	0.0	0.0	0.0
49	DL	6.5	4.1	16.9	0.18	0.005	0.007	0.04	4.52	48.36	59.77	22.04	1.0	0.006	19.8	12.33	2.48	192.1	0.0	0.0	0.0
50	DL	6.5	4.1	16.9	0.18	0.005	0.007	0.04	4.51	48.35	59.84	22.05	1.0	0.005	19.8	12.33	2.43	192.2	0.0	0.0	0.0
51	DL	6.5	4.1	16.9	0.18	0.005	0.007	0.04	4.51	48.35	59.84	22.05	0.1	0.005	19.8	12.33	2.59	192.1	0.0	0.0	0.0
52	DL	6.4	4.1	17.2	0.18	0.005	0.007	0.05	4.52	48.35	59.74	22.04	0.0	0.005	19.8	12.30	2.66	192.1	0.0	0.0	0.0
53	DL	6.5	4.2	17.5	0.18	0.005	0.007	0.05	4.54	48.35	59.53	22.02	0.0	0.005	19.8	12.26	2.65	192.2	0.0	0.0	0.0
54	DL	6.5	4.3	18.0	0.18	0.005	0.007	0.05	4.58	48.35	59.12	21.98	0.0	0.006	19.8	12.18	2.69	192.2	0.0	0.0	0.0
55	DL	6.5	4.5	18.6	0.19	0.005	0.007	0.05	4.64	48.35	58.52	21.93	0.0	0.006	19.9	12.04	2.77	192.3	0.0	0.0	0.0
56	DL	6.5	4.6	19.0	0.19	0.005	0.007	0.05	4.71	48.34	57.80	21.87	0.0	0.006	19.9	11.88	2.86	192.3	0.0	0.0	0.0
57	DL	6.5	4.6	19.2	0.19	0.005	0.007	0.05	4.77	48.34	57.17	21.81	0.0	0.006	19.9	11.73	2.85	192.3	0.0	0.0	0.0
58	DL	6.5	4.7	19.4	0.19	0.005	0.007	0.05	4.83	48.34	56.68	21.77	0.0	0.006	19.9	11.61	2.81	192.3	0.0	0.0	0.0
59	DL	6.5	4.6	19.6	0.19	0.005	0.007	0.05	4.87	48.34	56.26	21.74	0.0	0.006	19.9	11.51	2.83	192.3	0.0	0.0	0.0
60	DL	6.5	4.6	19.7	0.20	0.005	0.007	0.05	4.91	48.34	55.89	21.70	2.8	0.006	20.0	11.43	2.81	192.3	0.0	0.0	0.0
61	DL	6.5	4.7	19.7	0.20	0.005	0.007	0.05	4.94	48.34	55.61	21.68	1.0	0.006	20.0	11.37	2.79	192.4	0.0	0.0	0.0
62	DL	6.5	4.7	19.7	0.20	0.005	0.008	0.05	4.96	48.34	55.40	21.66	1.0	0.006	20.0	11.36	2.82	192.4	0.0	0.0	0.0
63	DL	6.5	4.8	19.8	0.20	0.005	0.008	0.05	4.98	48.33	55.23	21.65	1.0	0.006	20.0	11.32	2.78	192.4	0.0	0.0	0.0
64	DL	6.6	4.8	19.8	0.20	0.005	0.008	0.05	5.00	48.33	55.06	21.63	1.0	0.006	20.1	11.29	2.85	192.4	0.0	0.0	0.0
65	DL	6.6	4.8	19.8	0.20	0.005	0.008	0.05	5.02	48.35	54.86	21.62	1.0	0.006	20.1	11.27	2.84	192.4	0.0	0.0	0.0
66	DL	6.6	4.7	19.9	0.20	0.005	0.007	0.05	5.04	48.34	54.70	21.60	1.0	0.006	20.1	11.24	2.77	192.5	0.0	0.0	0.0
67	DL	6.7	4.8	20.0	0.20	0.005	0.008	0.05	5.05	48.34	54.56	21.59	1.0	0.006	20.2	11.22	2.77	192.5	0.0	0.0	0.0
68	DL	6.7	4.8	19.9	0.20	0.005	0.008	0.05	5.06	48.34	54.48	21.58	1.0	0.006	20.2	11.21	2.75	192.6	0.0	0.0	0.0
69	DL	6.7	4.8	19.9	0.20	0.005	0.008	0.05	5.07	48.34	54.45	21.58	1.0	0.006	20.2	11.22	2.80	192.6	0.0	0.0	0.0
70	DL	6.7	4.8	19.9	0.20	0.005	0.008	0.05	5.07	48.34	54.41	21.58	1.0	0.006	20.3	11.23	2.81	192.6	0.0	0.0	0.0
71	DL	6.8	4.7	19.6	0.20	0.005	0.008	0.05	5.08	48.34	54.34	21.57	0.3	0.006	20.2	11.20	2.81	192.6	0.0	0.0	0.0
72	DL	6.8	4.7	19.1	0.20	0.005	0.007	0.05	5.07	48.34	54.46	21.58	0.0	0.006	20.2	11.21	2.74	192.6	0.0	0.0	0.0
73	DL	6.8	4.6	18.6	0.20	0.005	0.007	0.05	5.02	48.34	54.88	21.62	0.0	0.006	20.2	11.32	2.60	192.6	0.0	0.0	0.0
74	DL	6.8	4.5	18.5	0.20	0.005	0.007	0.05	4.96	48.33	55.39	21.66	0.0	0.006	20.2	11.44	2.55	192.6	0.0	0.0	0.0
75	DL	6.8	4.5	18.5	0.20	0.005	0.007	0.05	4.91	48.33	55.83	21.70	0.0	0.006	20.2	11.54	2.53	192.7	0.0	0.0	0.0
76	DL	6.8	4.5	18.4	0.19	0.005	0.007	0.05	4.87	48.33	56.20	21.73	0.0	0.006	20.2	11.64	2.48	192.8	0.0	0.0	0.0
77	DL	6.9	4.5	18.2	0.19	0.005	0.007	0.05	4.85	48.33	56.44	21.75	0.0	0.006	20.2	11.70	2.49	192.8	0.0	0.0	0.0
78	DL	6.9	4.5	18.2	0.19	0.005	0.007	0.05	4.83	48.32	56.60	21.76	0.0	0.006	20.1	11.72	2.63	192.8	0.0	0.0	0.0
79	DL	6.9	4.3	18.0	0.19	0.005	0.007	0.05	4.81	48.33	56.78	21.78	0.0	0.006	20.2	11.77	2.58	192.8	0.0	0.0	0.0
80	DL	6.9	4.2	17.8	0.19	0.005	0.007	0.05	4.78	48.32	57.06	21.80	2.9	0.006	20.1	11.83	2.60	192.8	0.0	0.0	0.0
81	DL	6.9	4.2	17.4	0.19	0.005	0.007	0.05	4.75	48.33	57.43	21.84	1.0	0.006	20.1	11.89	2.55	192.7	0.0	0.0	0.0
82	DL	6.9	4.3	17.2	0.19	0.005	0.007	0.04	4.70	48.33	57.92	21.88	1.0	0.006	20.0	12.00	2.47	192.7	0.0	0.0	0.0
83	DL	6.9	4.3	17.2	0.19	0.005	0.007	0.04	4.65	48.32	58.41	21.92	1.0	0.006	20.0	12.13	2.45	192.8	0.0	0.0	0.0
84	DL	6.9	4.3	17.2	0.18	0.005	0.007	0.05	4.62	48.33	58.70	21.95	1.0	0.006	20.0	12.19	2.49	192.8	0.0	0.0	0.0
85	DL	6.9	4.2	17.2	0.18	0.005	0.007	0.04	4.60	48.32	58.85	21.96	1.0	0.006	20.0	12.20	2.51	192.8	0.0	0.0	0.0
86	DL	6.9	4.2	17.1	0.18	0.005	0.007	0.04	4.59	48.33	58.99	21.97	1.0	0.006	20.0	12.24	2.46	192.8	0.0	0.0	0.0
87	DL	7.0	4.2	17.2	0.18	0.005	0.007	0.05	4.58	48.33	59.09	21.98	1.0	0.006	19.9	12.24	2.52	192.8	0.0	0.0	0.0
88	DL	7.0	4.2	17.4	0.18	0.005	0.007	0.05	4.59	48.32	59.04	21.98	1.0	0.006	19.9	12.22	2.57	192.8	0.0	0.0	0.0
89	DL	7.0	4.2	17.4	0.18	0.006	0.007	0.05	4.59	48.33	58.99	21.97	1.0	0.006	19.9	12.18	2.52	192.8	0.0	0.0	0.0
90	DL	7.0	4.2	17.3	0.18	0.006	0.007	0.05	4.59	48.33	59.04	21.98	1.0	0.006	19.9	12.19	2.46	192.8	0.0	0.0	0.0
91	DL	7.0	4.2	17.3	0.18	0.006	0.007	0.05	4.58	48.33	59.15	21.99	0.1	0.006	19.9	12.21	2.53	192.8	0.0	0.0	0.0
92	DL	7.0	4.2	17.5	0.18	0.005	0.007	0.05	4.58	48.32	59.11	21.98	0.0	0.006	19.9	12.20	2.58	192.8	0.0	0.0	0.0
93	DL	7.0	4.3	17.8	0.18	0.005	0.007	0.05	4.60	48.33	58.91	21.96	0.0	0.006	19.9	12.15	2.67	192.8	0.0	0.0	0.0
94	DL	6.9	4.3	18.0	0.18	0.005	0.007	0.05	4.63	48.32	58.62	21.94	0.0	0.006	19.9	12.07	2.68	192.7	0.0	0.0	0.0
95	DL	6.9	4.3	18.2	0.19	0.005	0.007	0.05	4.65	48.33	58.38	21.92	0.0	0.006	19.9	12.02	2.65	192.7	0.0	0.0	0.0
96	DL	6.9	4.4	18.2	0.19	0.005	0.007	0.05	4.67	48.33	58.17	21.90	0.0	0.006	19.9	11.96	2.64	192.7	0.0	0.0	0.0
97	DL	6.9	4.4	18.4	0.19	0.005	0.007	0.05	4.69	48.33	57.94	21.88	0.0	0.006	19.9	11.92	2.65	192.8	0.0	0.0	0.0
98	DL	6.9	4.4	18.5	0.19	0.005	0.007	0.05	4.71	48.33	57.75	21.86	0.0	0.006	19.9	11.88	2.69	192.8	0.0	0.0	0.0
99	DL	6.9	4.4	18.7	0.19	0.005	0.007	0.05	4.74	48.33	57.50	21.84	0.0	0.006	19.9	11.82	2.73	192.8	0.0	0.0	0.0
100	DL	6.9	4.3	18.6	0.19	0.005	0.007	0.05	4.75	48.33	57.35	21.83	2.8	0.006	19.9	11.75	2.71	192.9	0.0	0.0	0.0
101	DL	6.9	4.2	18.1	0.19	0.005	0.007	0.05	4.74	48.33	57.52	21.84	1.0	0.006	19.9	11.79	2.59	192.9	0.0	0.0	0.0
102	DL	6.9	4.2	17.8	0.19	0.005	0.007	0.05	4.70	48.33	57.89	21.88	1.0	0.006	19.9	11.91	2.46	192.9	0.0	0.0	0.0
103	DL	6.9	4.2	18.0	0.19	0.005	0.007	0.05	4.68	48.33	58.12	21.90	1.0	0.006	19.9	11.96	2.58	192.8	0.0	0.0	0.0
104	DL	7.0	4.3	18.2	0.19	0.005	0.007	0.05	4.68	48.34	58.06	21.89	1.0	0.006	19.9	11.95	2.76	192.8	0.0	0.0	0.0

105	DL	7.0	4.3	18.5	0.19	0.006	0.007	0.05	4.70	48.34	57.87	21.87	1.0	0.006	19.9	11.91	2.78	192.8	0.0	0.0	0.0
106	DL	7.0	4.3	18.4	0.19	0.005	0.007	0.05	4.72	48.35	57.68	21.86	1.0	0.006	19.9	11.85	2.73	192.8	0.0	0.0	0.0
107	DL	7.0	4.3	18.5	0.19	0.005	0.007	0.05	4.74	48.34	57.54	21.85	1.0	0.006	19.9	11.82	2.73	192.8	0.0	0.0	0.0
108	DL	6.9	4.3	18.5	0.19	0.005	0.007	0.05	4.75	48.34	57.37	21.83	1.0	0.006	19.9	11.78	2.72	192.9	0.0	0.0	0.0
109	DL	6.9	4.3	18.7	0.19	0.005	0.007	0.05	4.78	48.34	57.15	21.81	1.0	0.006	19.9	11.74	2.72	192.9	0.0	0.0	0.0
110	DL	6.9	4.4	18.8	0.19	0.005	0.007	0.05	4.79	48.35	57.00	21.80	1.0	0.006	19.9	11.69	2.64	193.0	0.0	0.0	0.0
111	DL	6.9	4.4	18.8	0.19	0.005	0.007	0.05	4.80	48.34	56.88	21.79	0.1	0.006	19.9	11.68	2.70	193.0	0.0	0.0	0.0
112	DL	7.0	4.4	18.7	0.19	0.005	0.007	0.05	4.81	48.34	56.80	21.78	0.0	0.006	20.0	11.67	2.79	193.0	0.0	0.0	0.0
113	DL	7.0	4.4	18.6	0.19	0.006	0.007	0.05	4.82	48.34	56.69	21.77	0.0	0.006	19.9	11.63	2.77	193.0	0.0	0.0	0.0
114	DL	7.0	4.4	18.7	0.19	0.006	0.007	0.05	4.83	48.35	56.62	21.77	0.0	0.006	20.0	11.62	2.83	193.0	0.0	0.0	0.0
115	DL	7.0	4.4	18.7	0.19	0.006	0.007	0.05	4.84	48.35	56.58	21.76	0.0	0.006	20.0	11.62	2.76	193.0	0.0	0.0	0.0
116	DL	7.0	4.4	18.6	0.19	0.006	0.007	0.05	4.84	48.36	56.54	21.76	0.0	0.006	20.0	11.63	2.68	193.0	0.0	0.0	0.0
117	DL	7.0	4.5	18.6	0.19	0.006	0.007	0.05	4.84	48.35	56.50	21.76	0.0	0.006	20.0	11.63	2.68	193.0	0.0	0.0	0.0
118	DL	7.0	4.4	18.7	0.19	0.006	0.007	0.05	4.85	48.36	56.47	21.75	0.0	0.006	20.0	11.63	2.64	193.0	0.0	0.0	0.0
119	DL	7.0	4.5	18.8	0.19	0.006	0.007	0.05	4.86	48.35	56.33	21.74	0.0	0.006	20.0	11.60	2.68	193.0	0.0	0.0	0.0
120	DL	7.1	4.5	18.8	0.19	0.006	0.007	0.05	4.88	48.35	56.21	21.73	2.9	0.006	20.1	11.57	2.74	193.1	0.0	0.0	0.0
121	DL	7.1	4.5	18.7	0.19	0.006	0.007	0.05	4.88	48.36	56.21	21.73	1.0	0.006	20.1	11.57	2.74	193.1	0.0	0.0	0.0
122	DL	7.1	4.5	18.5	0.19	0.006	0.007	0.05	4.88	48.36	56.21	21.73	1.0	0.006	20.1	11.58	2.65	193.2	0.0	0.0	0.0
123	DL	7.1	4.6	18.4	0.19	0.006	0.007	0.05	4.87	48.37	56.24	21.73	1.0	0.006	20.0	11.57	2.64	193.3	0.0	0.0	0.0
124	DL	7.1	4.5	18.3	0.19	0.006	0.007	0.05	4.86	48.36	56.36	21.74	1.0	0.006	20.0	11.59	2.72	193.3	0.0	0.0	0.0
125	DL	7.1	4.4	17.8	0.19	0.006	0.007	0.05	4.83	48.36	56.61	21.77	1.0	0.006	20.0	11.62	2.64	193.3	0.0	0.0	0.0
126	DL	7.1	4.3	17.5	0.19	0.006	0.007	0.05	4.79	48.36	57.04	21.80	1.0	0.006	19.9	11.71	2.56	193.3	0.0	0.0	0.0
127	DL	7.1	4.3	17.2	0.19	0.006	0.007	0.05	4.74	48.37	57.54	21.85	1.0	0.006	19.9	11.83	2.60	193.3	0.0	0.0	0.0
128	DL	7.1	4.3	17.1	0.19	0.006	0.007	0.04	4.69	48.37	57.99	21.88	1.0	0.006	20.0	11.94	2.62	193.3	0.0	0.0	0.0
129	DL	7.2	4.3	17.2	0.19	0.006	0.007	0.05	4.66	48.37	58.28	21.91	1.0	0.006	19.9	12.00	2.58	193.3	0.0	0.0	0.0
130	DL	7.2	4.2	17.1	0.19	0.006	0.007	0.04	4.65	48.37	58.44	21.92	1.0	0.006	19.9	12.04	2.60	193.3	0.0	0.0	0.0
131	DL	7.2	4.2	17.2	0.19	0.006	0.007	0.05	4.65	48.37	58.44	21.92	0.1	0.006	19.9	12.04	2.69	193.4	0.0	0.0	0.0
132	DL	7.2	4.2	17.2	0.19	0.006	0.007	0.04	4.64	48.38	58.49	21.93	0.0	0.006	19.9	12.03	2.64	193.4	0.0	0.0	0.0
133	DL	7.2	4.2	17.1	0.18	0.006	0.007	0.04	4.63	48.37	58.59	21.94	0.0	0.006	19.9	12.05	2.62	193.4	0.0	0.0	0.0
134	DL	7.2	4.2	17.2	0.18	0.006	0.007	0.05	4.63	48.37	58.64	21.94	0.0	0.006	19.9	12.07	2.59	193.4	0.0	0.0	0.0
135	DL	7.2	4.2	17.4	0.18	0.006	0.007	0.05	4.63	48.38	58.61	21.94	0.0	0.006	19.9	12.08	2.69	193.5	0.0	0.0	0.0
136	DL	7.2	4.1	17.7	0.19	0.006	0.007	0.05	4.64	48.38	58.51	21.93	0.0	0.006	19.9	12.04	2.69	193.5	0.0	0.0	0.0
137	DL	7.2	4.1	17.7	0.19	0.006	0.006	0.05	4.66	48.38	58.37	21.92	0.0	0.006	19.9	12.00	2.71	193.6	0.0	0.0	0.0
138	DL	7.2	4.0	17.7	0.19	0.006	0.006	0.05	4.67	48.38	58.23	21.91	0.0	0.006	19.9	11.96	2.66	193.7	0.0	0.0	0.0
139	DL	7.2	4.1	17.8	0.19	0.006	0.007	0.05	4.68	48.38	58.14	21.90	0.0	0.006	19.9	11.96	2.66	193.7	0.0	0.0	0.0
140	DL	7.2	4.2	18.0	0.19	0.006	0.007	0.05	4.69	48.39	58.01	21.89	2.8	0.006	19.9	11.91	2.69	193.7	0.0	0.0	0.0
141	DL	7.2	4.3	18.2	0.19	0.006	0.007	0.05	4.71	48.39	57.79	21.87	1.0	0.006	19.9	11.86	2.75	193.7	0.0	0.0	0.0
142	DL	7.2	4.3	18.3	0.19	0.006	0.007	0.05	4.74	48.40	57.55	21.85	1.0	0.006	19.9	11.81	2.77	193.7	0.0	0.0	0.0
143	DL	7.2	4.4	18.4	0.19	0.006	0.007	0.05	4.76	48.40	57.30	21.83	1.0	0.006	19.9	11.76	2.77	193.8	0.0	0.0	0.0
144	DL	7.2	4.4	18.5	0.19	0.006	0.007	0.05	4.78	48.38	57.10	21.81	1.0	0.006	19.9	11.71	2.72	193.8	0.0	0.0	0.0
145	DL	7.3	4.3	18.4	0.19	0.006	0.007	0.05	4.80	48.39	57.00	21.80	1.0	0.006	19.9	11.70	2.72	193.8	0.0	0.0	0.0
146	DL	7.3	4.3	18.3	0.19	0.006	0.007	0.05	4.79	48.39	57.01	21.80	1.0	0.006	19.9	11.69	2.71	193.9	0.0	0.0	0.0
147	DL	7.3	4.3	18.2	0.19	0.006	0.007	0.05	4.79	48.40	57.04	21.80	1.0	0.006	19.9	11.71	2.70	193.9	0.0	0.0	0.0
148	DL	7.3	4.4	18.1	0.19	0.006	0.007	0.05	4.79	48.39	57.04	21.80	1.0	0.006	19.9	11.70	2.70	193.9	0.0	0.0	0.0
149	DL	7.3	4.4	18.2	0.19	0.006	0.007	0.05	4.79	48.39	57.05	21.80	1.0	0.006	20.0	11.72	2.72	193.9	0.0	0.0	0.0
150	DL	7.3	4.4	18.5	0.19	0.006	0.007	0.05	4.79	48.40	57.04	21.80	1.0	0.006	20.0	11.72	2.74	193.9	0.0	0.0	0.0
151	DL	7.4	4.4	18.6	0.19	0.006	0.007	0.05	4.81	48.40	56.89	21.79	0.2	0.006	20.0	11.68	2.75	194.0	0.0	0.0	0.0
152	DL	7.4	4.3	18.6	0.19	0.006	0.007	0.05	4.83	48.40	56.71	21.77	0.0	0.006	20.0	11.63	2.77	194.0	0.0	0.0	0.0
153	DL	7.4	4.3	18.5	0.19	0.006	0.007	0.05	4.83	48.39	56.65	21.77	0.0	0.006	20.0	11.62	2.71	194.0	0.0	0.0	0.0
154	DL	7.4	4.3	18.6	0.19	0.006	0.007	0.05	4.84	48.39	56.61	21.77	0.0	0.006	20.0	11.62	2.68	194.0	0.0	0.0	0.0
155	DL	7.4	4.3	18.7	0.19	0.006	0.007	0.05	4.84	48.40	56.56	21.76	0.0	0.006	20.0	11.62	2.70	194.1	0.0	0.0	0.0
156	DL	7.4	4.3	18.7	0.19	0.006	0.007	0.05	4.85	48.39	56.50	21.76	0.0	0.006	20.0	11.61	2.66	194.1	0.0	0.0	0.0
157	DL	7.4	4.3	18.6	0.19	0.006	0.007	0.05	4.85	48.40	56.50	21.76	0.0	0.006	20.0	11.60	2.74	194.1	0.0	0.0	0.0
158	DL	7.4	4.3	18.6	0.19	0.006	0.007	0.05	4.85	48.41	56.53	21.76	0.0	0.006	20.0	11.61	2.72	194.2	0.0	0.0	0.0
159	DL	7.4	4.3	18.6	0.19	0.006	0.007	0.05	4.84	48.40	56.58	21.76	0.0	0.006	20.0	11.64	2.66	194.1	0.0	0.0	0.0
160	DL	7.4	4.3	18.8	0.19	0.006	0.007	0.05	4.84	48.39	56.60	21.76	2.9	0.006	20.0	11.65	2.69	194.2	0.0	0.0	0.0
161	DL	7.4	4.3	18.8	0.19	0.006	0.007	0.05	4.85	48.40	56.51	21.76	1.0	0.006	20.0	11.63	2.64	194.2	0.0	0.0	0.0
162	DL	7.5	4.3	18.9	0.19	0.006	0.007	0.05	4.86	48.39	56.41	21.75	1.0	0.006	20.0	11.61	2.63	194.2	0.0	0.0	0.0
163	DL	7.5	4.3	18.8	0.19	0.006	0.007	0.05	4.86	48.40	56.39	21.75	1.0	0.006	20.0	11.60	2.68	194.3	0.0	0.0	0.0

164	DL	7.5	4.3	18.7	0.19	0.006	0.007	0.05	4.85	48.40	56.44	21.75	1.0	0.006	20.0	11.62	2.65	194.3	0.0	0.0	0.0
165	DL	7.5	4.4	18.8	0.19	0.006	0.007	0.05	4.85	48.39	56.48	21.75	1.0	0.006	20.0	11.63	2.68	194.3	0.0	0.0	0.0
166	DL	7.5	4.4	19.0	0.19	0.006	0.007	0.05	4.85	48.39	56.45	21.75	1.0	0.006	20.1	11.63	2.69	194.3	0.0	0.0	0.0
167	DL	7.5	4.4	18.9	0.19	0.006	0.007	0.05	4.86	48.39	56.35	21.74	1.0	0.006	20.1	11.60	2.75	194.4	0.0	0.0	0.0
168	DL	7.5	4.4	19.0	0.19	0.006	0.007	0.05	4.87	48.39	56.27	21.74	1.0	0.006	20.1	11.60	2.72	194.4	0.0	0.0	0.0
169	DL	7.5	4.5	19.0	0.19	0.006	0.007	0.05	4.88	48.39	56.20	21.73	1.0	0.006	20.1	11.59	2.67	194.3	0.0	0.0	0.0
170	DL	7.6	4.6	18.9	0.19	0.006	0.007	0.05	4.88	48.39	56.19	21.73	1.0	0.006	20.1	11.58	2.67	194.3	0.0	0.0	0.0
171	DL	7.6	4.6	18.9	0.19	0.006	0.007	0.05	4.88	48.39	56.14	21.72	0.2	0.006	20.1	11.56	2.73	194.3	0.0	0.0	0.0
172	DL	7.6	4.6	19.0	0.19	0.006	0.007	0.05	4.88	48.40	56.17	21.73	0.0	0.006	20.1	11.57	2.73	194.3	0.0	0.0	0.0
173	DL	7.6	4.5	18.9	0.19	0.006	0.007	0.05	4.88	48.39	56.17	21.73	0.0	0.006	20.1	11.56	2.80	194.3	0.0	0.0	0.0
174	DL	7.6	4.4	18.5	0.19	0.006	0.007	0.05	4.87	48.40	56.27	21.74	0.0	0.006	20.0	11.55	2.73	194.2	0.0	0.0	0.0
175	DL	7.6	4.3	17.9	0.19	0.006	0.007	0.05	4.83	48.38	56.67	21.77	0.0	0.006	20.0	11.65	2.64	194.3	0.0	0.0	0.0
176	DL	7.6	4.2	17.7	0.19	0.006	0.007	0.05	4.77	48.39	57.23	21.82	0.0	0.006	20.0	11.80	2.51	194.3	0.0	0.0	0.0
177	DL	7.6	4.1	17.5	0.19	0.006	0.007	0.05	4.72	48.39	57.71	21.86	0.0	0.006	20.0	11.90	2.49	194.3	0.0	0.0	0.0
178	DL	7.6	4.1	17.5	0.19	0.006	0.006	0.05	4.69	48.39	58.02	21.89	0.0	0.006	20.0	11.97	2.51	194.3	0.0	0.0	0.0
179	DL	7.6	4.0	17.5	0.19	0.006	0.006	0.05	4.66	48.39	58.30	21.91	0.0	0.006	19.9	12.03	2.62	194.3	0.0	0.0	0.0
180	DL	7.7	4.2	17.4	0.19	0.006	0.007	0.05	4.64	48.38	58.49	21.93	2.9	0.006	20.0	12.09	2.66	194.3	0.0	0.0	0.0
181	DL	7.7	4.2	17.4	0.18	0.006	0.007	0.05	4.64	48.39	58.56	21.93	1.0	0.006	19.9	12.07	2.58	194.2	0.0	0.0	0.0
182	DL	7.7	4.2	17.5	0.18	0.006	0.007	0.05	4.63	48.38	58.61	21.94	1.0	0.006	19.9	12.09	2.61	194.2	0.0	0.0	0.0
183	DL	7.7	4.1	17.4	0.18	0.006	0.007	0.05	4.62	48.38	58.72	21.95	1.0	0.006	19.9	12.11	2.54	194.2	0.0	0.0	0.0
184	DL	7.7	4.2	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.78	21.95	1.0	0.006	19.9	12.12	2.70	194.3	0.0	0.0	0.0
185	DL	7.6	4.2	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.82	21.96	1.0	0.006	19.9	12.12	2.71	194.4	0.0	0.0	0.0
186	DL	7.6	4.2	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.84	21.96	1.0	0.006	19.9	12.14	2.62	194.4	0.0	0.0	0.0
187	DL	7.7	4.2	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.84	21.96	1.0	0.006	19.9	12.14	2.61	194.4	0.0	0.0	0.0
188	DL	7.7	4.3	17.4	0.18	0.006	0.007	0.05	4.60	48.38	58.90	21.96	1.0	0.006	19.9	12.13	2.67	194.4	0.0	0.0	0.0
189	DL	7.7	4.3	17.5	0.18	0.006	0.007	0.05	4.65	48.85	58.90	21.96	1.0	0.006	19.9	12.04	2.65	194.4	0.0	0.0	0.0
190	DL	7.7	4.3	17.5	0.18	0.006	0.007	0.05	4.60	48.38	58.90	21.96	1.0	0.006	19.9	12.13	2.68	194.3	0.0	0.0	0.0
191	DL	7.7	4.3	17.5	0.18	0.006	0.007	0.05	4.61	48.38	58.85	21.96	0.1	0.006	19.9	12.13	2.65	194.3	0.0	0.0	0.0
192	DL	7.7	4.2	17.6	0.18	0.006	0.007	0.05	4.61	48.38	58.80	21.96	0.0	0.006	19.9	12.10	2.61	194.3	0.0	0.0	0.0
193	DL	7.7	4.2	17.5	0.18	0.006	0.007	0.05	4.61	48.38	58.78	21.95	0.0	0.006	19.9	12.09	2.66	194.3	0.0	0.0	0.0
194	DL	7.7	4.1	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.79	21.95	0.0	0.006	19.9	12.10	2.65	194.4	0.0	0.0	0.0
195	DL	7.7	4.1	17.4	0.18	0.006	0.007	0.05	4.61	48.38	58.84	21.96	0.0	0.006	19.9	12.11	2.64	194.4	0.0	0.0	0.0
196	DL	7.7	4.1	17.5	0.18	0.006	0.006	0.05	4.61	48.38	58.78	21.95	0.0	0.006	19.9	12.09	2.67	194.4	0.0	0.0	0.0
197	DL	7.7	4.0	17.6	0.18	0.006	0.006	0.05	4.62	48.38	58.68	21.94	0.0	0.006	19.9	12.07	2.71	194.5	0.0	0.0	0.0
198	DL	7.7	4.1	17.7	0.18	0.006	0.007	0.05	4.63	48.37	58.64	21.94	0.0	0.006	19.9	12.07	2.69	194.5	0.0	0.0	0.0
199	DL	7.7	4.2	18.0	0.19	0.006	0.007	0.05	4.64	48.37	58.47	21.93	0.0	0.006	19.9	12.03	2.74	194.4	0.0	0.0	0.0
200	DL	7.7	4.3	18.3	0.19	0.006	0.007	0.05	4.68	48.38	58.10	21.89	2.8	0.006	19.9	11.95	2.74	194.4	0.0	0.0	0.0
201	DL	7.7	4.3	18.4	0.19	0.006	0.007	0.05	4.72	48.37	57.74	21.86	1.0	0.006	19.9	11.86	2.77	194.5	0.0	0.0	0.0
202	DL	7.7	4.2	18.6	0.19	0.006	0.007	0.05	4.75	48.36	57.43	21.84	1.0	0.006	19.9	11.80	2.83	194.6	0.0	0.0	0.0
203	DL	7.7	4.3	18.8	0.19	0.006	0.007	0.05	4.78	48.37	57.15	21.81	1.0	0.006	20.0	11.74	2.83	194.6	0.0	0.0	0.0
204	DL	7.7	4.3	19.0	0.19	0.006	0.007	0.05	4.81	48.37	56.85	21.79	1.0	0.006	20.0	11.68	2.82	194.6	0.0	0.0	0.0
205	DL	7.7	4.4	19.2	0.19	0.006	0.007	0.05	4.84	48.37	56.52	21.76	1.0	0.006	20.0	11.61	2.84	194.6	0.0	0.0	0.0
206	DL	7.7	4.5	19.5	0.19	0.006	0.007	0.05	4.88	48.37	56.17	21.73	1.0	0.006	20.0	11.54	2.87	194.6	0.0	0.0	0.0
207	DL	7.7	4.6	19.7	0.20	0.006	0.007	0.05	4.92	48.37	55.79	21.69	1.0	0.006	20.1	11.46	2.95	194.7	0.0	0.0	0.0
208	DL	7.7	4.6	19.7	0.20	0.006	0.007	0.05	4.95	48.37	55.47	21.67	1.0	0.006	20.1	11.40	2.89	194.7	0.0	0.0	0.0
209	DL	7.7	4.6	19.8	0.20	0.006	0.007	0.05	4.98	48.36	55.22	21.65	1.0	0.006	20.1	11.36	2.84	194.7	0.0	0.0	0.0
210	DL	7.7	4.7	19.7	0.20	0.006	0.007	0.05	5.01	48.37	54.97	21.63	1.0	0.006	20.2	11.31	2.90	194.7	0.0	0.0	0.0
211	DL	7.7	4.6	19.5	0.20	0.006	0.007	0.05	5.03	48.35	54.82	21.61	0.2	0.006	20.1	11.26	2.94	194.7	0.0	0.0	0.0
212	DL	7.7	4.4	19.3	0.20	0.006	0.007	0.05	5.02	48.35	54.84	21.61	0.0	0.006	20.2	11.28	2.80	194.7	0.0	0.0	0.0
213	DL	7.7	4.4	19.2	0.20	0.006	0.007	0.05	5.01	48.36	54.99	21.63	0.0	0.006	20.2	11.32	2.81	194.7	0.0	0.0	0.0
214	DL	7.7	4.4	19.1	0.20	0.006	0.007	0.05	4.99	48.36	55.16	21.64	0.0	0.006	20.2	11.37	2.75	194.8	0.0	0.0	0.0
215	DL	7.8	4.3	18.9	0.20	0.006	0.007	0.05	4.98	48.36	55.28	21.65	0.0	0.006	20.2	11.40	2.74	194.8	0.0	0.0	0.0
216	DL	7.8	4.3	19.0	0.20	0.006	0.007	0.05	4.97	48.35	55.31	21.65	0.0	0.006	20.2	11.41	2.82	194.9	0.0	0.0	0.0
217	DL	7.8	4.4	19.1	0.20	0.006	0.007	0.05	4.98	48.36	55.21	21.65	0.0	0.006	20.2	11.39	2.81	194.9	0.0	0.0	0.0
218	DL	7.8	4.4	19.1	0.20	0.006	0.007	0.05	4.99	48.36	55.16	21.64	0.0	0.006	20.2	11.38	2.82	194.9	0.0	0.0	0.0
219	DL	7.8	4.4	19.2	0.20	0.006	0.007	0.05	4.99	48.35	55.11	21.64	0.0	0.006	20.2	11.37	2.83	194.9	0.0	0.0	0.0
220	DL	7.8	4.5	19.2	0.20	0.006	0.007	0.05	4.99	48.35	55.11	21.64	2.9	0.006	20.2	11.37	2.76	194.9	0.0	0.0	0.0
221	DL	7.8	3.4	19.1	0.20	0.006	0.005	0.05	5.00	48.35	55.10	21.64	1.0	0.006	20.2	11.37	2.79	195.0	0.0	0.0	0.0
222	DL	7.8	4.4	19.1	0.20	0.006	0.007	0.05	5.00	48.35	55.04	21.63	1.0	0.006	20.2	11.36	2.81	195.0	0.0	0.0	0.0

223 DL	7.8	4.4	19.1	0.20	0.006	0.007	0.05	5.00	48.36	55.06	21.63	1.0	0.006	20.2	11.38	2.81	195.1	0.0	0.0	0.0
224 DL	7.8	4.3	18.9	0.20	0.006	0.007	0.05	4.99	48.35	55.17	21.64	1.0	0.006	20.2	11.38	2.79	195.1	0.0	0.0	0.0
225 DL	7.8	4.2	18.2	0.20	0.006	0.007	0.05	4.95	48.35	55.46	21.67	1.0	0.006	20.1	11.40	2.77	195.1	0.0	0.0	0.0
226 DL	7.9	4.1	16.9	0.19	0.006	0.007	0.04	4.87	48.34	56.22	21.73	1.0	0.006	20.1	11.58	2.57	195.1	0.0	0.0	0.0
227 DL	7.9	4.0	16.1	0.19	0.006	0.006	0.04	4.76	48.35	57.33	21.83	1.0	0.006	20.0	11.82	2.60	195.1	0.0	0.0	0.0
228 DL	7.9	4.0	15.6	0.19	0.006	0.006	0.04	4.64	48.35	58.52	21.93	1.0	0.006	20.0	12.10	2.59	195.1	0.0	0.0	0.0
229 DL	8.0	3.9	15.4	0.18	0.006	0.006	0.04	4.54	48.35	59.56	22.02	1.0	0.006	19.9	12.31	2.54	195.2	0.0	0.0	0.0
230 DL	8.0	3.9	15.3	0.18	0.006	0.006	0.04	4.47	48.34	60.27	22.08	1.0	0.006	19.9	12.50	2.52	195.2	0.0	0.0	0.0
231 DL	8.0	3.9	15.4	0.18	0.006	0.006	0.04	4.42	48.35	60.79	22.13	0.1	0.006	19.8	12.60	2.56	195.2	0.0	0.0	0.0
232 DL	8.0	3.9	15.5	0.17	0.006	0.006	0.04	4.38	48.35	61.24	22.17	0.0	0.006	19.8	12.71	2.57	195.2	0.0	0.0	0.0
233 DL	8.0	3.9	15.4	0.17	0.006	0.006	0.04	4.35	48.34	61.59	22.20	0.0	0.006	19.8	12.79	2.62	195.2	0.0	0.0	0.0
234 DL	8.0	3.9	15.8	0.17	0.006	0.006	0.04	4.38	48.82	61.74	22.21	0.0	0.005	19.8	12.69	2.60	195.3	0.0	0.0	0.0
235 DL	8.0	3.9	16.0	0.17	0.006	0.006	0.04	4.34	48.35	61.66	22.21	0.0	0.005	19.7	12.76	2.62	195.3	0.0	0.0	0.0
236 DL	8.0	3.9	16.1	0.17	0.006	0.006	0.04	4.35	48.34	61.55	22.20	0.0	0.005	19.7	12.73	2.60	195.4	0.0	0.0	0.0
237 DL	8.0	4.0	16.3	0.17	0.006	0.006	0.04	4.36	48.34	61.48	22.19	0.0	0.005	19.7	12.70	2.68	195.4	0.0	0.0	0.0
238 DL	8.0	4.0	16.5	0.17	0.006	0.006	0.04	4.38	48.34	61.28	22.17	0.0	0.005	19.7	12.64	2.72	195.5	0.0	0.0	0.0
239 DL	8.0	4.0	16.7	0.18	0.006	0.006	0.04	4.40	48.34	61.06	22.15	0.0	0.005	19.7	12.57	2.69	195.5	0.0	0.0	0.0
240 DL	8.0	4.0	17.1	0.18	0.006	0.006	0.04	4.43	48.34	60.65	22.12	2.8	0.005	19.7	12.50	2.72	195.5	0.0	0.0	0.0
241 DL	7.9	4.1	17.8	0.18	0.006	0.006	0.05	4.49	48.33	60.00	22.06	1.0	0.005	19.8	12.35	2.87	195.5	0.0	0.0	0.0
242 DL	8.0	4.2	18.2	0.18	0.006	0.007	0.05	4.56	48.34	59.27	22.00	1.0	0.005	19.8	12.19	2.85	195.5	0.0	0.0	0.0
243 DL	8.0	4.3	18.8	0.19	0.006	0.007	0.05	4.64	48.34	58.47	21.93	1.0	0.006	19.8	12.01	2.91	195.5	0.0	0.0	0.0
244 DL	8.0	4.5	19.5	0.19	0.006	0.007	0.05	4.73	48.34	57.58	21.85	1.0	0.006	19.9	11.81	3.03	195.5	0.0	0.0	0.0
245 DL	7.9	4.6	20.1	0.19	0.006	0.007	0.05	4.82	48.33	56.71	21.77	1.0	0.006	19.9	11.62	3.10	195.6	0.0	0.0	0.0
246 DL	7.9	4.6	20.5	0.20	0.006	0.007	0.05	4.90	48.34	55.94	21.71	1.0	0.006	20.0	11.45	3.07	195.6	0.0	0.0	0.0
247 DL	7.9	4.7	20.7	0.20	0.006	0.007	0.05	4.97	48.33	55.32	21.65	1.0	0.006	20.0	11.31	3.07	195.6	0.0	0.0	0.0
248 DL	7.9	4.8	20.5	0.20	0.006	0.008	0.05	5.02	48.33	54.83	21.61	1.0	0.006	20.0	11.19	3.14	195.7	0.0	0.0	0.0
249 DL	7.9	4.8	20.1	0.20	0.006	0.008	0.05	5.05	48.33	54.56	21.59	1.0	0.006	20.0	11.14	3.05	195.6	0.0	0.0	0.0
250 DL	7.9	4.8	19.8	0.20	0.006	0.008	0.05	5.05	48.33	54.54	21.59	1.0	0.006	20.0	11.13	2.95	195.6	0.0	0.0	0.0
251 DL	7.9	4.7	19.5	0.20	0.006	0.007	0.05	5.03	48.33	54.75	21.61	0.2	0.006	19.9	11.15	2.90	195.7	0.0	0.0	0.0
252 DL	8.0	4.4	18.5	0.20	0.006	0.007	0.05	4.97	48.33	55.30	21.65	0.0	0.006	19.9	11.28	2.82	195.7	0.0	0.0	0.0
253 DL	8.0	4.3	17.7	0.19	0.006	0.007	0.05	4.87	48.33	56.17	21.73	0.0	0.006	19.9	11.46	2.72	195.7	0.0	0.0	0.0
254 DL	8.0	4.2	17.3	0.19	0.006	0.007	0.05	4.78	48.33	57.10	21.81	0.0	0.006	19.9	11.72	2.62	195.7	0.0	0.0	0.0
255 DL	8.0	4.3	17.2	0.19	0.006	0.007	0.04	4.71	48.31	57.79	21.87	0.0	0.006	19.9	11.87	2.64	195.7	0.0	0.0	0.0
256 DL	8.0	4.3	17.4	0.19	0.006	0.007	0.05	4.66	48.32	58.21	21.90	0.0	0.006	19.9	11.98	2.76	195.7	0.0	0.0	0.0
257 DL	8.1	4.3	17.4	0.19	0.006	0.007	0.05	4.64	48.32	58.49	21.93	0.0	0.006	19.9	12.04	2.72	195.6	0.0	0.0	0.0
258 DL	8.1	4.3	17.5	0.18	0.006	0.007	0.05	4.63	48.32	58.59	21.94	0.0	0.006	19.9	12.07	2.74	195.6	0.0	0.0	0.0
259 DL	8.1	4.4	17.7	0.18	0.006	0.007	0.05	4.63	48.33	58.59	21.94	0.0	0.006	19.9	12.07	2.69	195.6	0.0	0.0	0.0
260 DL	8.1	4.4	17.8	0.18	0.006	0.007	0.05	4.63	48.32	58.54	21.93	2.8	0.006	19.8	12.04	2.74	195.6	0.0	0.0	0.0
261 DL	8.1	4.3	18.0	0.19	0.006	0.007	0.05	4.63	48.32	58.51	21.93	1.0	0.006	19.8	12.02	2.71	195.6	0.0	0.0	0.0
262 DL	8.0	4.3	18.2	0.19	0.006	0.007	0.05	4.64	48.32	58.42	21.92	1.0	0.006	19.9	12.02	2.77	195.6	0.0	0.0	0.0
263 DL	8.0	4.2	18.4	0.19	0.006	0.007	0.05	4.67	48.32	58.19	21.90	1.0	0.006	19.9	11.97	2.71	195.6	0.0	0.0	0.0
264 DL	8.0	4.3	18.6	0.19	0.006	0.007	0.05	4.69	48.32	57.90	21.88	1.0	0.006	19.9	11.91	2.74	195.6	0.0	0.0	0.0
265 DL	8.0	4.4	18.7	0.19	0.006	0.007	0.05	4.72	48.31	57.64	21.85	1.0	0.006	19.9	11.84	2.91	195.6	0.0	0.0	0.0
266 DL	8.0	4.4	18.8	0.19	0.006	0.007	0.05	4.75	48.31	57.37	21.83	1.0	0.006	19.9	11.78	2.83	195.6	0.0	0.0	0.0
267 DL	8.0	4.3	19.0	0.19	0.006	0.007	0.05	4.77	48.31	57.14	21.81	1.0	0.006	19.9	11.74	2.80	195.6	0.0	0.0	0.0
268 DL	8.0	4.2	19.0	0.19	0.006	0.007	0.05	4.80	48.32	56.90	21.79	1.0	0.006	19.9	11.68	2.70	195.6	0.0	0.0	0.0
269 DL	8.0	4.2	19.0	0.19	0.006	0.007	0.05	4.81	48.32	56.73	21.78	1.0	0.006	19.9	11.64	2.74	195.6	0.0	0.0	0.0
270 DL	8.0	4.2	19.0	0.19	0.006	0.007	0.05	4.83	48.32	56.63	21.77	1.0	0.006	19.9	11.61	2.71	195.6	0.0	0.0	0.0
271 DL	8.0	4.3	18.9	0.19	0.006	0.007	0.05	4.82	48.31	56.63	21.77	0.1	0.006	19.9	11.62	2.77	195.6	0.0	0.0	0.0
272 DL	8.0	4.4	18.9	0.19	0.006	0.007	0.05	4.83	48.32	56.63	21.77	0.0	0.006	19.9	11.61	2.80	195.6	0.0	0.0	0.0
273 DL	8.0	4.4	18.9	0.19	0.006	0.007	0.05	4.83	48.32	56.56	21.76	0.0	0.006	20.0	11.62	2.82	195.6	0.0	0.0	0.0
274 DL	8.0	4.3	18.9	0.19	0.006	0.007	0.05	4.84	48.32	56.51	21.76	0.0	0.006	20.0	11.61	2.76	195.6	0.0	0.0	0.0
275 DL	8.0	4.3	18.9	0.19	0.006	0.007	0.05	4.84	48.32	56.47	21.75	0.0	0.006	20.0	11.62	2.76	195.6	0.0	0.0	0.0
276 DL	8.0	4.3	18.8	0.19	0.006	0.007	0.05	4.85	48.33	56.44	21.75	0.0	0.006	20.0	11.60	2.79	195.6	0.0	0.0	0.0
277 DL	8.0	4.4	18.8	0.19	0.006	0.007	0.05	4.86	48.32	56.32	21.74	0.0	0.006	20.0	11.57	2.80	195.6	0.0	0.0	0.0
278 DL	8.0	4.4	18.8	0.19	0.006	0.007	0.05	4.87	48.33	56.17	21.73	0.0	0.006	20.0	11.53	2.80	195.7	0.0	0.0	0.0
279 DL	8.0	4.4	18.9	0.19	0.006	0.007	0.05	4.88	48.33	56.14	21.73	0.0	0.006	20.0	11.55	2.78	195.7	0.0	0.0	0.0
280 DL	8.0	4.3	18.8	0.19	0.006	0.007	0.05	4.87	48.33	56.20	21.73	2.9	0.006	20.1	11.58	2.75	195.6	0.0	0.0	0.0
281 DL	8.0	4.3	18.8	0.19	0.006	0.007	0.05	4.87	48.33	56.24	21.73	1.0	0.006	20.1	11.59	2.73	195.6	0.0	0.0	0.0

282	DL	8.1	4.3	18.8	0.19	0.006	0.007	0.05	4.87	48.32	56.24	21.73	1.0	0.006	20.1	11.61	2.72	195.7	0.0	0.0	0.0
283	DL	8.0	4.3	18.7	0.19	0.006	0.007	0.05	4.86	48.33	56.29	21.74	1.0	0.006	20.1	11.62	2.74	195.7	0.0	0.0	0.0
284	DL	8.0	4.4	18.7	0.19	0.006	0.007	0.05	4.91	48.81	56.27	21.74	1.0	0.006	20.1	11.49	2.76	195.7	0.0	0.0	0.0
285	DL	8.1	4.4	18.6	0.19	0.006	0.007	0.05	4.86	48.33	56.30	21.74	1.0	0.006	20.1	11.62	2.76	195.7	0.0	0.0	0.0
286	DL	8.1	4.4	18.5	0.19	0.006	0.007	0.05	4.86	48.34	56.32	21.74	1.0	0.006	20.1	11.63	2.80	195.7	0.0	0.0	0.0
287	DL	8.1	4.4	18.6	0.19	0.006	0.007	0.05	4.86	48.34	56.35	21.74	1.0	0.006	20.1	11.65	2.79	195.8	0.0	0.0	0.0
288	DL	8.1	4.5	18.6	0.19	0.006	0.007	0.05	4.86	48.34	56.35	21.74	1.0	0.006	20.1	11.65	2.74	195.8	0.0	0.0	0.0
289	DL	8.1	4.4	18.5	0.19	0.006	0.007	0.05	4.85	48.33	56.37	21.75	1.0	0.006	20.1	11.65	2.82	195.8	0.0	0.0	0.0
290	DL	8.1	4.4	18.5	0.19	0.006	0.007	0.05	4.84	48.33	56.52	21.76	1.0	0.006	20.1	11.69	2.70	195.8	0.0	0.0	0.0
291	DL	8.1	4.4	18.3	0.19	0.006	0.007	0.05	4.83	48.33	56.63	21.77	0.2	0.006	20.1	11.72	2.76	195.8	0.0	0.0	0.0
292	DL	8.1	4.4	18.1	0.19	0.006	0.007	0.05	4.81	48.34	56.75	21.78	0.0	0.006	20.1	11.75	2.74	195.9	0.0	0.0	0.0
293	DL	8.1	4.3	18.1	0.19	0.006	0.007	0.05	4.80	48.35	56.85	21.79	0.0	0.006	20.1	11.77	2.74	195.9	0.0	0.0	0.0
294	DL	8.1	4.2	17.9	0.19	0.006	0.007	0.05	4.79	48.34	56.98	21.80	0.0	0.006	20.1	11.79	2.75	196.0	0.0	0.0	0.0
295	DL	8.2	4.3	17.6	0.19	0.006	0.007	0.05	4.77	48.35	57.19	21.82	0.0	0.006	20.1	11.84	2.65	196.0	0.0	0.0	0.0
296	DL	8.2	4.2	17.6	0.19	0.006	0.007	0.05	4.75	48.34	57.41	21.83	0.0	0.006	20.1	11.89	2.70	196.0	0.0	0.0	0.0
297	DL	8.2	4.2	17.4	0.19	0.006	0.007	0.05	4.73	48.34	57.61	21.85	0.0	0.006	20.1	11.95	2.71	196.0	0.0	0.0	0.0
298	DL	8.2	4.1	17.2	0.19	0.006	0.007	0.05	4.70	48.35	57.85	21.87	0.0	0.006	20.0	11.98	2.71	196.0	0.0	0.0	0.0
299	DL	8.2	4.1	16.9	0.19	0.006	0.007	0.04	4.68	48.35	58.07	21.89	0.0	0.006	20.0	12.00	2.68	196.0	0.0	0.0	0.0
300	DL	8.2	4.0	16.6	0.19	0.006	0.006	0.04	4.64	48.34	58.43	21.92	2.9	0.006	20.0	12.08	2.70	196.0	0.0	0.0	0.0
301	DL	8.2	4.1	16.5	0.18	0.006	0.007	0.04	4.62	48.35	58.73	21.95	1.0	0.006	20.0	12.16	2.68	196.0	0.0	0.0	0.0
302	DL	8.2	4.1	16.5	0.18	0.006	0.006	0.04	4.58	48.35	59.07	21.98	1.0	0.006	20.0	12.24	2.65	196.1	0.0	0.0	0.0
303	DL	8.2	4.0	16.6	0.18	0.006	0.006	0.04	4.56	48.36	59.26	22.00	1.0	0.006	19.9	12.26	2.66	196.1	0.0	0.0	0.0
304	DL	8.2	4.0	16.6	0.18	0.006	0.006	0.04	4.55	48.36	59.39	22.01	1.0	0.006	19.9	12.28	2.58	196.2	0.0	0.0	0.0
305	DL	8.2	4.0	16.6	0.18	0.006	0.006	0.04	4.54	48.36	59.55	22.02	1.0	0.006	19.9	12.33	2.59	196.2	0.0	0.0	0.0
306	DL	8.2	3.9	16.5	0.18	0.006	0.006	0.04	4.52	48.36	59.75	22.04	1.0	0.006	19.9	12.35	2.51	196.2	0.0	0.0	0.0
307	DL	8.2	3.9	16.4	0.18	0.006	0.006	0.04	4.50	48.36	59.97	22.06	1.0	0.006	19.8	12.39	2.58	196.2	0.0	0.0	0.0
308	DL	8.2	3.9	16.5	0.18	0.006	0.006	0.04	4.48	48.36	60.12	22.07	1.0	0.006	19.8	12.43	2.70	196.3	0.0	0.0	0.0
309	DL	8.2	4.0	16.5	0.18	0.006	0.006	0.04	4.48	48.36	60.12	22.07	1.0	0.006	19.8	12.42	2.77	196.4	0.0	0.0	0.0
310	DL	8.2	4.0	16.6	0.18	0.006	0.006	0.04	4.48	48.37	60.14	22.07	1.0	0.005	19.8	12.40	2.68	196.4	0.0	0.0	0.0
311	DL	8.2	4.0	16.4	0.18	0.006	0.006	0.04	4.48	48.37	60.19	22.08	0.1	0.005	19.8	12.42	2.66	196.4	0.0	0.0	0.0
312	DL	8.2	4.0	16.4	0.18	0.006	0.006	0.04	4.47	48.37	60.25	22.08	0.0	0.005	19.8	12.42	2.68	196.4	0.0	0.0	0.0
313	DL	8.2	4.0	16.4	0.18	0.006	0.006	0.04	4.46	48.37	60.34	22.09	0.0	0.005	19.7	12.43	2.73	196.3	0.0	0.0	0.0
314	DL	8.2	4.1	16.5	0.18	0.006	0.006	0.04	4.46	48.37	60.37	22.09	0.0	0.005	19.7	12.43	2.66	196.3	0.0	0.0	0.0
315	DL	8.2	4.0	16.8	0.18	0.006	0.006	0.04	4.46	48.37	60.34	22.09	0.0	0.005	19.7	12.41	2.65	196.4	0.0	0.0	0.0
316	DL	8.2	3.9	17.0	0.18	0.006	0.006	0.04	4.48	48.37	60.23	22.08	0.0	0.005	19.7	12.39	2.71	196.4	0.0	0.0	0.0
317	DL	8.2	3.9	17.2	0.18	0.006	0.006	0.05	4.50	48.38	59.99	22.06	0.0	0.005	19.7	12.32	2.66	196.4	0.0	0.0	0.0
318	DL	8.2	4.0	17.4	0.18	0.006	0.006	0.05	4.53	48.37	59.68	22.03	0.0	0.005	19.7	12.25	2.69	196.5	0.0	0.0	0.0
319	DL	8.2	4.0	17.6	0.18	0.006	0.006	0.05	4.55	48.38	59.42	22.01	0.0	0.005	19.8	12.19	2.74	196.5	0.0	0.0	0.0
320	DL	8.2	4.1	17.9	0.18	0.006	0.006	0.05	4.58	48.38	59.11	21.98	2.8	0.005	19.8	12.11	2.79	196.5	0.0	0.0	0.0
321	DL	8.2	4.1	18.2	0.18	0.006	0.007	0.05	4.62	48.39	58.71	21.95	1.0	0.005	19.8	12.03	2.81	196.5	0.0	0.0	0.0
322	DL	8.2	4.2	18.6	0.19	0.006	0.007	0.05	4.67	48.38	58.23	21.91	1.0	0.006	19.8	11.93	2.87	196.5	0.0	0.0	0.0
323	DL	8.2	4.4	19.2	0.19	0.006	0.007	0.05	4.73	48.38	57.63	21.85	1.0	0.006	19.9	11.80	2.96	196.6	0.0	0.0	0.0
324	DL	8.1	4.4	19.7	0.19	0.006	0.007	0.05	4.81	48.39	56.87	21.79	1.0	0.006	19.9	11.62	3.02	196.6	0.0	0.0	0.0

Test #: 1057 20 mph Cruise

Date: 5/9/94

Test cycle results

CO (g/mi) =	0.14
CO2 (g/mi) =	109.54
NOx (g/mi) =	1.07

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT_INL1	FT_INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
12:54:46	89.13	3.58	369.23	139.19	81.81	79.73	943.22							
12:54:47	89.13	3.58	369.23	139.19	81.81	79.73	943.22							
12:54:48	89.13	3.58	350.67	144.08	86.69	80.46	943.22							
12:54:49	89.13	3.57	350.67	156.29	91.58	80.46	943.22	18.1614	19.0577	20.5807	0.0009	0.0063	0.6346	0.0057
12:54:50	89.13	3.55	351.16	172.16	106.23	79.97	943.22	18.1614	19.0577	20.5807	0.0019	0.0127	1.2691	0.0114
12:54:51	89.13	3.55	350.67	169.72	100.12	79.73	944.24	18.7986	19.7264	20.6938	0.0028	0.0189	1.9072	0.0172
12:54:52	89.13	3.55	350.67	161.17	91.58	79.97	944.24	20.3917	21.3937	20.5807	0.0039	0.0256	2.5390	0.0229
12:54:53	89.13	3.55	350.67	161.17	91.58	79.97	945.25	22.4627	23.5604	20.5807	0.0050	0.0331	3.1674	0.0286
12:54:54	86.81	3.53	350.67	139.19	80.59	79.73	945.25	22.1441	23.2262	20.6938	0.0061	0.0404	3.7992	0.0344
12:54:55	86.81	3.53	350.67	136.75	79.37	79.73	945.25	21.0289	22.0565	20.5807	0.0072	0.0473	4.4275	0.0401
12:54:56	86.81	3.53	363.37	145.30	80.59	79.49	945.25	21.0289	22.0565	20.5807	0.0083	0.0543	5.0559	0.0458
12:54:57	86.81	3.53	363.37	156.29	87.91	79.73	945.25	18.1614	19.0438	20.6938	0.0092	0.0603	5.6842	0.0515
12:54:58	86.81	3.52	363.37	168.50	97.68	80.22	946.78	17.8427	18.7097	20.6938	0.0101	0.0662	6.3125	0.0573
12:54:59	86.81	3.52	363.37	163.61	97.68	79.73	946.78	18.9579	19.8791	20.6938	0.0110	0.0727	6.9408	0.0630
12:55:00	86.81	3.53	363.37	156.29	92.80	80.22	946.78	20.3917	21.3825	20.6938	0.0121	0.0797	7.5692	0.0688
12:55:01	86.81	3.53	363.37	148.96	86.69	79.97	948.81	21.9848	23.0494	20.6938	0.0132	0.0872	8.1954	0.0745
12:55:02	86.81	3.53	363.37	140.42	83.03	79.73	948.81	21.3476	22.3813	20.6938	0.0142	0.0945	8.8217	0.0803
12:55:03	81.32	3.52	363.37	136.75	80.59	80.22	948.81	20.3917	21.3836	20.5807	0.0152	0.1015	9.4472	0.0860
12:55:04	81.32	3.52	363.86	134.31	81.81	79.73	947.80	19.4358	20.3813	20.6938	0.0162	0.1082	10.0763	0.0918
12:55:05	81.32	3.52	362.88	134.31	80.59	79.73	947.80	18.3207	19.2119	20.8069	0.0171	0.1145	10.7087	0.0975
12:55:06	81.32	3.53	373.14	128.21	78.14	80.22	949.32	17.8427	18.7076	20.8069	0.0179	0.1206	11.3391	0.1033
12:55:07	81.32	3.52	373.14	131.87	81.81	79.73	949.32	17.5241	18.3735	20.6938	0.0188	0.1266	11.9660	0.1091
12:55:08	81.32	3.52	373.14	133.09	83.03	79.97	949.32	17.5241	18.3735	20.8069	0.0196	0.1326	12.5964	0.1148
12:55:09	81.32	3.52	373.14	133.09	83.03	79.97	949.32	16.7276	17.5411	20.6938	0.0204	0.1385	13.2254	0.1206
12:55:10	81.32	3.54	373.14	130.65	80.59	80.22	950.34	17.2055	18.0395	20.6938	0.0212	0.1445	13.8523	0.1263
12:55:11	81.32	3.54	373.14	123.32	78.14	79.73	949.32	17.3648	18.2065	20.6938	0.0220	0.1506	14.4793	0.1321
12:55:12	81.32	3.55	373.63	118.44	76.92	79.73	949.32	17.3648	18.2065	20.6938	0.0228	0.1567	15.1062	0.1378
12:55:13	77.17	3.55	373.14	117.22	75.70	79.97	950.34	17.0462	17.8761	20.5807	0.0236	0.1627	15.7325	0.1435
12:55:14	77.17	3.55	373.14	125.76	76.92	79.97	950.34	16.0903	16.8737	20.6938	0.0243	0.1684	16.3622	0.1493
12:55:15	77.17	3.56	373.14	136.75	78.14	79.73	950.34	15.4531	16.2080	20.8069	0.0251	0.1739	16.9975	0.1551
12:55:16	77.17	3.55	373.14	142.86	78.14	80.22	950.34	15.2938	16.0408	20.8069	0.0257	0.1792	17.6327	0.1609
12:55:17	77.17	3.56	379.49	140.42	78.14	80.22	950.34	16.4089	17.2104	20.9200	0.0265	0.1850	18.2714	0.1667
12:55:18	77.17	3.56	379.49	133.09	78.14	79.73	950.34	17.8427	18.7172	20.8069	0.0273	0.1913	18.9088	0.1724
12:55:19	77.17	3.56	379.49	125.76	78.14	79.97	950.34	18.6393	19.5487	20.8069	0.0281	0.1979	19.5433	0.1782
12:55:20	77.17	3.56	379.49	128.21	78.14	79.73	949.32	18.3207	19.2185	20.8069	0.0289	0.2044	20.1807	0.1840
12:55:21	77.17	3.57	379.49	133.09	79.37	79.73	949.32	17.3648	18.2158	20.6938	0.0297	0.2106	20.8146	0.1898
12:55:22	77.17	3.57	379.49	134.31	79.37	79.97	949.32	16.4089	17.2131	20.8069	0.0304	0.2165	21.4519	0.1955
12:55:23	76.31	3.58	379.49	133.09	79.37	79.97	949.32	16.7276	17.5473	20.5807	0.0311	0.2225	22.0823	0.2013
12:55:24	76.19	3.58	379.98	129.43	79.37	79.73	946.78	17.3648	18.2186	20.6938	0.0319	0.2287	22.7183	0.2070
12:55:25	76.19	3.58	379.98	129.43	79.37	79.73	946.78	17.5241	18.3858	20.8069	0.0327	0.2350	23.3578	0.2128
12:55:26	76.19	3.58	379.00	125.76	78.14	79.97	945.25	17.3648	18.2214	20.5807	0.0334	0.2412	23.9923	0.2185
12:55:27	76.19	3.60	383.39	125.76	78.14	80.22	943.73	16.8869	17.7199	20.6938	0.0342	0.2473	24.6304	0.2242
12:55:28	76.19	3.60	382.91	128.21	79.37	80.22	942.71	16.8869	17.7199	20.6938	0.0349	0.2533	25.2685	0.2300
12:55:29	76.19	3.60	382.91	128.21	79.37	80.22	942.71	16.4089	17.2184	20.6938	0.0356	0.2592	25.9065	0.2357
12:55:30	76.19	3.60	383.39	129.43	81.81	79.73	940.68	16.4089	17.2211	20.5807	0.0364	0.2651	26.5432	0.2415
12:55:31	76.19	3.60	382.91	128.21	81.81	79.97	939.15	16.7276	17.5555	20.5807	0.0371	0.2712	27.1798	0.2472
12:55:32	76.19	3.60	382.91	120.88	79.37	80.46	937.12	16.7276	17.5555	20.5807	0.0378	0.2772	27.8164	0.2529
12:55:33	76.19	3.60	382.91	120.88	79.37	80.46	937.12	16.8869	17.7227	20.4676	0.0386	0.2833	28.4496	0.2586
12:55:34	76.68	3.60	383.39	125.76	79.37	79.97	935.59	16.7276	17.5555	20.4676	0.0393	0.2894	29.0827	0.2643
12:55:35	76.68	3.60	383.39	124.54	75.70	79.73	932.54	15.7717	16.5523	20.4676	0.0400	0.2951	29.7159	0.2699
12:55:36	76.68	3.62	383.39	124.54	75.70	79.73	931.53	15.7717	16.5523	20.4676	0.0407	0.3008	30.3490	0.2756
12:55:37	76.68	3.62	383.39	124.54	75.70	79.73	931.53	16.4089	17.2211	20.4676	0.0414	0.3067	30.9822	0.2813
12:55:38	76.68	3.62	379.49	124.54	75.70	79.73	930.51	16.2496	17.0539	20.3545	0.0421	0.3126	31.6118	0.2870
12:55:39	76.68	3.62	379.49	124.54	75.70	79.97	930.51	16.2496	17.0584	20.3545	0.0428	0.3185	32.2449	0.2926
12:55:40	76.68	3.62	379.49	122.10	74.48	79.49	931.53	16.2496	17.0584	20.3545	0.0435	0.3243	32.8780	0.2983
12:55:41	76.68	3.60	379.49	123.32	74.48	79.49	931.53	16.2496	17.0584	20.3545	0.0443	0.3302	33.5110	0.3039
12:55:42	76.68	3.60	379.49	123.32	74.48	79.73	934.07	16.2496	17.0584	20.3545	0.0450	0.3360	34.1441	0.3096
12:55:43	76.68	3.60	379.00	124.54	75.70	79.97	936.10	15.9310	16.7239	20.3545	0.0457	0.3417	34.7772	0.3152
12:55:44	73.26	3.60	379.49	139.19	79.37	79.73	936.10	16.0903	16.8885	20.3545	0.0464	0.3475	35.4082	0.3209

1	K1	1	unitless	for flow calc	
2	K2	1	unitless	for NOx calc (expt deriv.)	K2=1/(1-0.0047*(H-75))
3	CO density	32.85	gm/ft^3	T=70 F, P=760 mmHG	H=grains of water/lbm dry air
4	NOx density	53.96	gm/ft^3	T=70 F, P=760 mmHG	
5	Rhc	1.8	unitless	Diesel #2	
6	Ywi	0.03	unitless	for humidity comp. (from chart)	
7	gear ratio	3.58	unitless		
8	axle rev	16	pulses		
9	tire	114	inches		
10	interval	1	seconds		
11	CO2 density	51.61	gm/ft^3	T=70 F, P=760 mmHG	
12	FF1	0.5			
13	FF2	0			

12:55:45	73.26	3.60	379.00	146.52	81.81	79.73	937.12	16.0903	16.8885	20.3545	0.0471	0.3532	36.0392	0.3266
12:55:46	73.26	3.60	379.00	141.64	83.03	80.46	937.12	16.2496	17.0557	20.4676	0.0478	0.3590	36.6737	0.3322
12:55:47	73.26	3.60	379.49	142.86	84.25	79.97	939.66	18.1614	19.0621	20.4676	0.0486	0.3655	37.3082	0.3379
12:55:48	73.26	3.60	373.14	136.75	81.81	79.97	940.68	19.1172	20.0654	20.4676	0.0494	0.3724	37.9428	0.3436
12:55:49	73.26	3.60	373.14	136.75	81.81	79.97	940.68	18.4800	19.3966	20.4676	0.0502	0.3790	38.5773	0.3493
12:55:50	73.26	3.60	373.14	135.53	78.14	79.49	943.73	18.6393	19.5638	20.5807	0.0509	0.3857	39.2153	0.3550
12:55:51	73.26	3.60	373.14	135.53	78.14	79.97	945.76	17.8427	18.7277	20.5807	0.0517	0.3920	39.8533	0.3607
12:55:52	73.26	3.60	373.14	135.53	78.14	79.97	945.76	17.8427	18.7277	20.5807	0.0524	0.3982	40.4914	0.3664
12:55:53	77.17	3.60	373.14	133.09	79.37	79.49	949.32	17.6834	18.5605	20.5807	0.0532	0.4045	41.1294	0.3722
12:55:54	77.17	3.60	373.14	131.87	81.81	79.97	950.34	17.6834	18.5605	20.5807	0.0539	0.4107	41.7674	0.3779
12:55:55	77.17	3.58	373.63	137.97	85.47	79.97	951.36	17.6834	18.5605	20.5807	0.0547	0.4169	42.4054	0.3836
12:55:56	77.17	3.58	369.23	148.96	86.69	79.97	952.88	17.3648	18.2262	20.8069	0.0554	0.4230	43.0505	0.3894
12:55:57	77.17	3.57	360.93	148.96	86.69	79.97	952.88	17.2055	18.0590	20.8069	0.0562	0.4291	43.6955	0.3952
12:55:58	77.17	3.57	361.42	151.40	84.25	80.22	950.85	18.0020	18.8902	20.8069	0.0570	0.4355	44.3371	0.4009
12:55:59	77.17	3.56	361.42	141.64	81.81	79.97	949.83	19.4358	20.3947	20.8069	0.0579	0.4422	44.9786	0.4067
12:56:00	77.17	3.56	360.93	137.97	79.37	80.22	949.83	19.4358	20.3915	20.8069	0.0587	0.4488	45.6181	0.4125
12:56:01	77.17	3.56	361.42	133.09	75.70	79.97	949.83	19.7544	20.7258	20.8069	0.0596	0.4556	46.2575	0.4183
12:56:02	77.17	3.56	360.93	133.09	75.70	79.97	949.83	18.4800	19.3846	20.6938	0.0604	0.4619	46.8907	0.4240
12:56:03	77.78	3.56	361.42	129.43	75.70	79.49	948.81	18.0020	18.8833	20.6938	0.0612	0.4680	47.5239	0.4298
12:56:04	77.78	3.56	361.42	129.43	75.70	79.49	948.81	17.3648	18.2149	20.6938	0.0620	0.4739	48.1571	0.4355
12:56:05	77.78	3.54	361.42	130.65	75.70	79.97	948.81	17.3648	18.2149	20.6938	0.0628	0.4798	48.7903	0.4413
12:56:06	77.78	3.54	347.25	133.09	75.70	79.49	945.76	16.8869	17.7135	20.6938	0.0635	0.4856	49.4235	0.4470
12:56:07	77.78	3.54	347.25	128.21	75.70	79.49	945.76	16.8869	17.7135	20.6938	0.0643	0.4914	50.0567	0.4528
12:56:08	77.78	3.51	347.25	128.21	75.70	80.22	943.73	17.0462	17.8769	20.5807	0.0650	0.4972	50.6836	0.4585
12:56:09	77.78	3.53	347.74	133.09	76.92	79.49	941.70	17.3648	18.2111	20.8069	0.0658	0.5029	51.3175	0.4643
12:56:10	77.78	3.53	347.25	133.09	76.92	79.49	941.70	16.7276	17.5428	20.8069	0.0666	0.5083	51.9513	0.4700
12:56:11	77.78	3.53	347.25	140.42	76.92	79.49	940.68	16.7276	17.5364	20.5807	0.0673	0.5138	52.5735	0.4758
12:56:12	77.78	3.53	347.25	140.42	76.92	79.49	940.68	17.3648	18.2073	20.4676	0.0681	0.5195	53.1942	0.4814
12:56:13	77.78	3.51	347.25	140.42	78.14	79.49	939.66	17.3648	18.2073	20.4676	0.0689	0.5252	53.8150	0.4871
12:56:14	74.85	3.52	347.25	133.09	75.70	80.22	937.12	18.3207	19.2095	20.5807	0.0697	0.5312	54.4392	0.4928
12:56:15	74.73	3.52	347.25	133.09	75.70	80.22	937.12	18.3207	19.2095	20.5807	0.0705	0.5372	55.0634	0.4986
12:56:16	74.73	3.52	347.25	130.65	76.92	79.97	937.12	18.3207	19.2046	20.4676	0.0713	0.5432	55.6808	0.5042
12:56:17	74.85	3.52	367.28	131.87	79.37	79.25	934.58	17.3648	18.2063	20.4676	0.0721	0.5489	56.3008	0.5099
12:56:18	74.73	3.52	367.28	131.87	79.37	79.25	934.58	17.3648	18.2063	20.4676	0.0728	0.5546	56.9209	0.5156
12:56:19	74.73	3.52	367.28	135.53	80.59	79.97	934.58	17.0462	17.8722	20.4676	0.0735	0.5601	57.5410	0.5213
12:56:20	74.73	3.52	367.28	135.53	80.59	79.97	934.58	17.2055	18.0392	20.3545	0.0743	0.5661	58.1577	0.5270
12:56:21	74.73	3.54	367.77	134.31	81.81	80.22	934.58	17.2055	18.0392	20.3545	0.0750	0.5721	58.7743	0.5326
12:56:22	74.73	3.55	367.28	130.65	76.92	79.97	935.59	17.6834	18.5403	20.3545	0.0758	0.5782	59.3910	0.5383
12:56:23	74.73	3.55	367.28	130.65	76.92	79.97	935.59	17.6834	18.5403	20.3545	0.0765	0.5843	60.0076	0.5439
12:56:24	78.75	3.55	367.28	129.43	75.70	79.25	935.59	17.5241	18.3781	20.3545	0.0773	0.5904	60.6277	0.5496
12:56:25	78.75	3.55	367.28	129.43	76.92	79.49	937.63	17.0462	17.8796	20.4676	0.0780	0.5963	61.2533	0.5553
12:56:26	78.75	3.55	367.28	125.76	76.92	79.49	937.63	17.0462	17.8796	20.4676	0.0787	0.6022	61.8789	0.5609
12:56:27	78.75	3.57	385.84	123.32	75.70	79.97	936.61	16.8869	17.7127	20.4676	0.0795	0.6080	62.5045	0.5666
12:56:28	78.75	3.57	385.84	123.32	75.70	79.97	933.05	16.8869	17.7127	20.4676	0.0803	0.6139	63.1301	0.5723
12:56:29	78.75	3.58	385.35	126.98	76.92	79.97	936.10	16.4089	17.2114	20.4676	0.0810	0.6196	63.7556	0.5780
12:56:30	78.75	3.58	385.84	133.09	79.37	79.25	936.10	16.0903	16.8807	20.4676	0.0817	0.6254	64.3840	0.5837
12:56:31	78.75	3.58	385.84	133.09	79.37	79.25	936.10	16.0903	16.8807	20.4676	0.0825	0.6313	65.0123	0.5894
12:56:32	78.75	3.58	385.35	135.53	80.59	79.25	936.10	16.5683	17.3857	20.4676	0.0832	0.6373	65.6434	0.5951
12:56:33	78.27	3.58	385.84	134.31	78.14	79.97	936.10	17.3648	18.2215	20.4676	0.0840	0.6436	66.2745	0.6007
12:56:34	78.27	3.58	385.84	134.31	78.14	79.97	936.10	17.3648	18.2215	20.4676	0.0848	0.6500	66.9056	0.6064
12:56:35	78.27	3.58	385.35	134.31	79.37	79.25	937.12	17.6834	18.5559	20.4676	0.0856	0.6564	67.5367	0.6121
12:56:36	78.27	3.58	385.84	148.96	85.47	79.25	937.12	17.5241	18.3887	20.4676	0.0864	0.6628	68.1677	0.6178
12:56:37	78.27	3.58	385.84	148.96	85.47	79.25	937.12	17.5241	18.3887	20.4676	0.0872	0.6692	68.7988	0.6235
12:56:38	78.27	3.58	371.67	163.61	86.69	79.49	938.14	17.5241	18.3887	20.4676	0.0879	0.6755	69.4299	0.6292
12:56:39	78.27	3.58	371.18	161.17	86.69	80.22	939.66	19.4358	20.3947	20.4676	0.0888	0.6826	70.0610	0.6349
12:56:40	78.27	3.58	371.67	153.85	86.69	79.97	938.64	19.4358	20.3947	20.5807	0.0897	0.6897	70.6956	0.6406
12:56:41	78.27	3.58	371.67	150.18	86.69	79.97	938.64	21.3476	22.4008	20.4676	0.0907	0.6972	71.3266	0.6463
12:56:42	78.27	3.58	371.18	150.18	86.69	79.49	939.66	21.0289	22.0664	20.5807	0.0916	0.7045	71.9612	0.6520
12:56:43	75.70	3.56	371.18	157.51	86.69	79.73	941.70	20.0731	21.0634	20.4676	0.0925	0.7116	72.5923	0.6577
12:56:44	75.70	3.56	371.18	156.29	86.69	79.73	941.70	19.5951	20.5619	20.4676	0.0934	0.7185	73.2234	0.6633
12:56:45	75.70	3.56	371.18	161.17	86.69	79.49	943.22	19.5951	20.5619	20.4676	0.0943	0.7253	73.8545	0.6690
12:56:46	75.70	3.56	371.67	155.07	87.91	80.22	943.22	20.5510	21.5581	20.5807	0.0952	0.7325	74.4849	0.6747
12:56:47	75.70	3.56	359.46	150.18	86.69	79.49	944.75	20.3917	21.3910	20.5807	0.0960	0.7397	75.1153	0.6805
12:56:48	75.70	3.56	359.46	140.42	84.25	80.22	944.75	21.0289	22.0594	20.5807	0.0970	0.7470	75.7457	0.6862
12:56:49	75.70	3.55	358.97	131.87	81.81	79.49	944.75	20.2324	21.2239	20.5807	0.0978	0.7541	76.3762	0.6919
12:56:50	75.70	3.55	359.46	125.76	81.81	79.49	944.75	19.5951	20.5554	20.6938	0.0987	0.7608	77.0100	0.6976
12:56:51	75.70	3.55	358.97	125.76	80.59	79.49	940.17	18.3207	19.2185	20.5807	0.0995	0.7670	77.6405	0.7034

12:56:52	75.70	3.55	359.46	126.98	80.59	79.49	940.17	17.2055	18.0449	20.6938	0.1002	0.7728	78.2716	0.7091
12:56:53	71.79	3.55	358.97	125.76	78.14	79.49	937.63	16.4089	17.2095	20.6938	0.1010	0.7784	78.9027	0.7149
12:56:54	71.79	3.55	358.97	122.10	76.92	80.22	937.63	16.4089	17.2095	20.5807	0.1017	0.7839	79.5303	0.7206
12:56:55	71.79	3.53	358.97	114.77	75.70	79.49	936.10	16.5683	17.3766	20.4676	0.1024	0.7895	80.1546	0.7263
12:56:56	71.79	3.53	359.46	112.33	75.70	79.97	936.10	16.4089	17.2094	20.4676	0.1031	0.7951	80.7788	0.7319
12:56:57	71.79	3.53	362.88	109.89	75.70	79.25	936.10	15.9310	16.7081	20.3545	0.1037	0.8005	81.3995	0.7376
12:56:58	71.79	3.53	363.37	109.89	75.70	79.49	936.10	14.9752	15.7024	20.4676	0.1043	0.8056	82.0210	0.7433
12:56:59	71.67	3.53	363.37	109.89	74.48	79.49	934.58	14.6565	15.3683	20.4676	0.1049	0.8105	82.6424	0.7490
12:57:00	71.79	3.51	363.37	112.33	73.26	79.49	934.58	14.3379	15.0342	20.4676	0.1055	0.8154	83.2639	0.7547
12:57:01	71.79	3.53	363.37	117.22	73.26	79.73	936.10	14.3379	15.0342	20.3545	0.1061	0.8203	83.8819	0.7603
12:57:02	71.79	3.52	363.86	120.88	75.70	79.49	935.09	14.3379	15.0342	20.4676	0.1067	0.8253	84.5034	0.7660
12:57:03	76.31	3.52	363.37	129.43	86.69	79.49	935.09	14.6565	15.3651	20.4676	0.1073	0.8303	85.1221	0.7717
12:57:04	76.19	3.52	363.37	142.86	95.24	79.97	935.09	15.2938	16.0373	20.4676	0.1079	0.8355	85.7442	0.7774
12:57:05	76.19	3.52	363.37	150.18	91.58	79.49	935.09	15.7717	16.5359	20.3545	0.1086	0.8409	86.3609	0.7830
12:57:06	76.19	3.52	367.28	147.74	86.69	79.97	935.09	16.8869	17.7052	20.3545	0.1093	0.8467	86.9776	0.7887
12:57:07	76.19	3.54	367.77	146.52	86.69	79.97	936.10	18.6393	19.5426	20.4676	0.1101	0.8531	87.5977	0.7944
12:57:08	76.19	3.54	367.77	146.52	86.69	79.97	936.10	19.5951	20.5447	20.3545	0.1110	0.8598	88.2143	0.8000
12:57:09	76.19	3.54	367.28	148.96	89.13	79.73	936.10	19.2765	20.2107	20.4676	0.1119	0.8665	88.8344	0.8057
12:57:10	76.31	3.54	367.28	147.74	91.58	79.73	936.10	19.1172	20.0478	20.4676	0.1127	0.8731	89.4572	0.8114
12:57:11	76.19	3.54	367.28	144.08	94.02	80.22	938.14	19.1172	20.0478	20.4676	0.1135	0.8797	90.0801	0.8171
12:57:12	76.19	3.55	367.77	141.64	90.35	79.49	938.14	19.4358	20.3819	20.3545	0.1144	0.8865	90.6995	0.8227
12:57:13	75.21	3.55	367.28	137.97	87.91	79.97	938.14	19.2765	20.2149	20.4676	0.1152	0.8932	91.3223	0.8284
12:57:14	75.21	3.55	367.28	133.09	84.25	80.22	938.14	18.7986	19.7137	20.4676	0.1160	0.8997	91.9451	0.8341
12:57:15	75.21	3.55	367.28	128.21	83.03	79.49	939.15	18.4800	19.3826	20.4676	0.1168	0.9061	92.5700	0.8398
12:57:16	75.21	3.55	367.28	128.21	83.03	79.49	939.15	18.0020	18.8813	20.4676	0.1176	0.9123	93.1949	0.8455
12:57:17	75.21	3.55	367.28	124.54	81.81	80.22	940.17	17.3648	18.2129	20.4676	0.1184	0.9183	93.8198	0.8512
12:57:18	75.21	3.55	363.37	120.88	83.03	79.49	940.17	16.7276	17.5445	20.4676	0.1191	0.9241	94.4447	0.8568
12:57:19	75.21	3.55	363.86	120.88	85.47	79.97	941.19	16.7276	17.5445	20.4676	0.1198	0.9299	95.0696	0.8625
12:57:20	75.21	3.55	363.37	119.66	85.47	79.25	941.19	16.2496	17.0433	20.4676	0.1205	0.9356	95.6945	0.8682
12:57:21	75.21	3.55	363.37	118.44	85.47	79.97	941.19	15.7717	16.5420	20.4676	0.1212	0.9410	96.3194	0.8739
12:57:22	75.21	3.55	363.86	117.22	85.47	79.49	941.19	15.7717	16.5420	20.4676	0.1219	0.9464	96.9443	0.8796
12:57:23	76.19	3.56	362.88	118.44	84.25	79.25	941.19	15.6124	16.3749	20.4676	0.1226	0.9517	97.5692	0.8853
12:57:24	76.19	3.56	363.37	117.22	84.25	79.25	941.19	15.4531	16.2078	20.4676	0.1232	0.9570	98.1941	0.8910
12:57:25	76.19	3.56	363.37	123.32	86.69	79.25	942.20	15.2938	16.0407	20.5807	0.1239	0.9623	98.8224	0.8967
12:57:26	76.19	3.55	359.46	125.76	85.47	79.49	943.22	15.4531	16.2104	20.5807	0.1246	0.9676	99.4529	0.9024
12:57:27	76.19	3.55	358.97	129.43	85.47	79.97	943.22	15.2938	16.0432	20.5807	0.1252	0.9728	100.0833	0.9081
12:57:28	76.19	3.53	358.97	135.53	86.69	80.22	943.22	16.0903	16.8788	20.5807	0.1259	0.9783	100.7137	0.9138
12:57:29	76.31	3.55	358.97	141.64	89.13	80.22	944.24	16.4089	17.2104	20.5807	0.1267	0.9839	101.3421	0.9195
12:57:30	76.19	3.53	358.97	141.64	89.13	80.22	944.24	16.8869	17.7117	20.5807	0.1274	0.9896	101.9704	0.9253
12:57:31	76.19	3.53	358.97	141.64	90.35	79.73	943.22	17.6834	18.5433	20.4676	0.1282	0.9956	102.5926	0.9309
12:57:32	76.19	3.53	358.97	141.64	90.35	79.73	943.22	18.4800	19.3826	20.6938	0.1290	1.0018	103.2244	0.9367
12:57:33	74.73	3.53	358.97	152.63	96.46	79.49	944.75	18.4800	19.3765	20.6938	0.1298	1.0081	103.8520	0.9424
12:57:34	74.73	3.53	359.46	156.29	94.02	80.22	944.75	18.4800	19.3765	20.4676	0.1306	1.0144	104.4728	0.9481
12:57:35	74.73	3.53	358.97	155.07	91.58	79.73	945.76	18.4800	19.3765	20.4676	0.1314	1.0206	105.0935	0.9538
12:57:36	74.73	3.53	358.97	155.07	91.58	79.73	945.76	19.9138	20.8798	20.5807	0.1323	1.0273	105.7177	0.9595
12:57:37	74.85	3.53	360.93	148.96	87.91	79.73	945.76	20.3917	21.3809	20.5807	0.1331	1.0343	106.3419	0.9652
12:57:38	74.73	3.53	360.93	145.30	86.69	79.49	945.76	20.2324	21.2139	20.5807	0.1340	1.0411	106.9662	0.9710
12:57:39	74.73	3.53	360.93	142.86	84.25	80.22	945.76	20.2324	21.2139	20.5807	0.1349	1.0480	107.5904	0.9767
12:57:40	74.73	3.53	360.93	140.42	84.25	80.22	945.76	19.4358	20.3787	20.5807	0.1357	1.0546	108.2146	0.9824
12:57:41	74.73	3.53	360.93	140.42	86.69	79.73	940.68	18.9579	19.8776	20.5807	0.1365	1.0610	108.8388	0.9881
12:57:42	74.85	3.53	360.93	141.64	85.47	79.97	940.68	18.6393	19.5435	20.5807	0.1373	1.0674	109.4630	0.9938
12:57:43	77.17	3.51	361.42	137.97	84.25	79.97	940.68	18.3207	19.2094	20.5807	0.1381	1.0736	110.0872	0.9995
12:57:44	77.17	3.51	361.42	137.97	84.25	79.97	940.68	18.3207	19.2094	20.5807	0.1389	1.0798	110.7114	1.0053
12:57:45	77.17	3.51	361.42	139.19	83.03	79.73	939.66	18.4800	19.3765	20.5807	0.1397	1.0861	111.3356	1.0110
12:57:46	77.17	3.51	361.42	133.09	80.59	79.73	938.14	18.0020	18.8725	20.5807	0.1405	1.0923	111.9577	1.0167
12:57:47	77.17	3.53	363.86	130.65	78.14	79.97	937.12	18.0020	18.8725	20.5807	0.1413	1.0984	112.5798	1.0224
12:57:48	77.17	3.53	363.37	135.53	78.14	79.97	937.12	18.1614	19.0395	20.4676	0.1421	1.1046	113.1985	1.0281
12:57:49	77.17	3.53	363.37	135.53	78.14	79.97	937.12	17.3648	18.2045	20.4676	0.1428	1.1105	113.8172	1.0338
12:57:50	77.17	3.53	363.37	140.42	80.59	80.22	936.10	17.0462	17.8751	20.4676	0.1436	1.1164	114.4394	1.0395
12:57:51	77.17	3.53	362.88	136.75	78.14	79.97	936.10	17.6834	18.5433	20.4676	0.1444	1.1224	115.0615	1.0451
12:57:52	77.17	3.53	363.86	134.31	76.92	80.22	936.10	17.6834	18.5433	20.3545	0.1452	1.1285	115.6803	1.0508
12:57:53	77.17	3.53	363.86	130.65	75.70	80.22	936.10	18.3207	19.2115	20.3545	0.1460	1.1347	116.2990	1.0565
12:57:54	77.78	3.53	363.37	131.87	76.92	80.22	936.10	17.8427	18.7104	20.4676	0.1468	1.1409	116.9211	1.0621
12:57:55	77.78	3.53	363.37	130.65	76.92	79.97	936.10	17.5241	18.3762	20.4676	0.1475	1.1469	117.5433	1.0678
12:57:56	77.78	3.53	363.37	125.76	76.92	79.97	936.10	17.0462	17.8751	20.4676	0.1483	1.1527	118.1654	1.0735
12:57:57	77.78	3.53	369.23	120.88	76.92	79.97	937.12	17.2055	18.0421	20.4676	0.1491	1.1586	118.7875	1.0792
12:57:58	77.78	3.55	369.23	113.55	75.70	79.25	934.07	17.0462	17.8751	20.4676	0.1498	1.1645	119.4097	1.0849

12:57:59	77.78	3.55	369.23	113.55	75.70	79.25	934.07	16.4089	17.2069	20.3545	0.1506	1.1701	120.0284	1.0905
12:58:00	77.78	3.55	369.23	109.89	74.48	79.25	933.05	15.7717	16.5386	20.3545	0.1513	1.1756	120.6471	1.0962
12:58:01	77.78	3.55	369.23	109.89	74.48	79.97	933.05	14.8158	15.5395	20.3545	0.1519	1.1807	121.2686	1.1018
12:58:02	77.78	3.55	369.23	109.89	73.26	79.97	933.05	14.8158	15.5395	20.3545	0.1526	1.1859	121.8900	1.1075
12:58:03	74.24	3.57	369.23	108.67	73.26	79.97	933.05	14.3379	15.0382	20.4676	0.1532	1.1909	122.5149	1.1132
12:58:04	74.24	3.57	369.72	108.67	73.26	79.97	933.05	14.3379	15.0382	20.4676	0.1539	1.1959	123.1398	1.1189
12:58:05	74.24	3.54	369.72	112.33	74.48	79.49	935.59	14.3379	15.0382	20.3545	0.1545	1.2009	123.7612	1.1245
12:58:06	74.24	3.56	369.23	116.00	74.48	79.97	935.59	14.1786	14.8741	20.3545	0.1551	1.2058	124.3854	1.1302
12:58:07	74.24	3.55	373.14	118.44	75.70	79.49	935.59	14.1786	14.8741	20.3545	0.1557	1.2108	125.0096	1.1358
12:58:08	74.24	3.57	373.14	122.10	75.70	79.25	937.12	14.6565	15.3707	20.3545	0.1563	1.2159	125.6297	1.1415
12:58:09	74.24	3.55	373.14	124.54	76.92	79.73	937.12	15.1345	15.8761	20.4676	0.1570	1.2211	126.2566	1.1472
12:58:10	74.24	3.55	373.63	126.98	78.14	79.25	939.15	15.4531	16.2078	20.3545	0.1577	1.2266	126.8781	1.1528
12:58:11	74.24	3.55	373.63	130.65	80.59	79.73	941.19	15.9310	16.7125	20.4676	0.1583	1.2322	127.5057	1.1585
12:58:12	74.24	3.55	373.63	130.65	80.59	79.73	941.19	16.2496	17.0441	20.4676	0.1590	1.2379	128.1313	1.1642
12:58:13	76.19	3.55	373.14	135.53	85.47	79.97	944.24	16.5683	17.3783	20.4676	0.1597	1.2437	128.7569	1.1699
12:58:14	76.19	3.54	373.14	147.74	100.12	79.73	945.76	17.0462	17.8796	20.4676	0.1605	1.2498	129.3825	1.1756
12:58:15	76.19	3.54	373.14	155.07	109.89	79.97	945.76	17.0462	17.8796	20.4676	0.1612	1.2558	130.0081	1.1813
12:58:16	76.19	3.54	373.14	155.07	109.89	79.97	945.76	17.6834	18.5481	20.5807	0.1620	1.2620	130.6371	1.1870
12:58:17	76.19	3.54	363.37	157.51	112.33	79.73	948.31	19.2765	20.2159	20.5807	0.1628	1.2688	131.2641	1.1927
12:58:18	76.19	3.54	363.37	159.95	114.77	79.73	946.78	20.2324	21.2184	20.6938	0.1637	1.2759	131.8945	1.1984
12:58:19	76.19	3.54	363.86	163.61	117.22	79.73	948.31	20.2324	21.2184	20.6938	0.1646	1.2830	132.5249	1.2042
12:58:20	76.19	3.54	363.37	167.28	118.44	79.73	948.31	20.5510	21.5525	20.5807	0.1655	1.2901	133.1519	1.2099
12:58:21	76.19	3.53	363.37	169.72	114.77	79.73	949.32	20.8696	21.8867	20.6938	0.1664	1.2972	133.7823	1.2157
12:58:22	76.19	3.53	362.88	173.38	113.55	80.22	949.32	21.3476	22.3879	20.5807	0.1673	1.3045	134.4093	1.2214
12:58:23	74.85	3.53	363.86	163.61	102.56	79.73	950.34	21.8255	22.8891	20.5807	0.1683	1.3120	135.0362	1.2271
12:58:24	74.85	3.53	363.86	163.61	102.56	79.73	950.34	22.1441	23.2184	20.5807	0.1692	1.3196	135.6604	1.2328
12:58:25	74.73	3.53	363.37	151.40	92.80	80.46	950.34	22.6220	23.7195	20.8069	0.1702	1.3273	136.2915	1.2386
12:58:26	74.73	3.53	363.37	145.30	87.91	79.97	950.34	21.3476	22.3832	20.8069	0.1711	1.3347	136.9225	1.2444
12:58:27	74.73	3.51	353.60	141.64	85.47	80.22	950.34	21.3476	22.3832	20.8069	0.1721	1.3420	137.5536	1.2501
12:58:28	74.73	3.50	353.11	141.64	85.47	80.22	950.34	19.7544	20.7128	20.8069	0.1729	1.3488	138.1847	1.2559
12:58:29	74.73	3.50	353.11	136.75	84.25	80.22	950.34	18.9579	19.8776	20.6938	0.1737	1.3553	138.8123	1.2617
12:58:30	74.73	3.50	353.60	139.19	85.47	79.73	951.36	18.4800	19.3735	20.6938	0.1745	1.3614	139.4378	1.2674
12:58:31	74.73	3.49	353.60	136.75	81.81	79.73	944.24	18.4800	19.3694	20.6938	0.1753	1.3676	140.0606	1.2732
12:58:32	74.85	3.49	353.60	131.87	79.37	80.22	944.24	17.8427	18.7015	20.9200	0.1761	1.3735	140.6902	1.2790
12:58:33	74.85	3.49	353.60	131.87	79.37	80.22	944.24	18.1614	19.0355	20.8069	0.1769	1.3796	141.3164	1.2848
12:58:34	70.21	3.49	353.11	133.09	81.81	80.46	939.66	17.8427	18.6986	20.6938	0.1776	1.3855	141.9370	1.2905
12:58:35	70.21	3.49	353.11	135.53	83.03	80.22	937.12	17.2055	18.0308	20.5807	0.1784	1.3912	142.5543	1.2962
12:58:36	70.21	3.49	353.11	134.31	83.03	80.22	937.12	17.2055	18.0308	20.5807	0.1791	1.3970	143.1716	1.3019
12:58:37	70.21	3.49	360.93	133.09	79.37	79.97	933.05	17.3648	18.1976	20.4676	0.1798	1.4028	143.7855	1.3076
12:58:38	70.21	3.49	360.93	134.31	80.59	79.97	933.05	17.6834	18.5315	20.4676	0.1805	1.4086	144.3994	1.3133
12:58:39	70.21	3.49	361.42	130.65	79.37	80.22	931.53	17.5241	18.3646	20.4676	0.1812	1.4145	145.0133	1.3190
12:58:40	70.21	3.49	361.42	124.54	78.14	79.97	930.51	17.3648	18.1976	20.4676	0.1819	1.4204	145.6272	1.3247
12:58:41	70.21	3.50	361.42	122.10	76.92	80.22	928.98	17.5241	18.3646	20.3545	0.1826	1.4263	146.2377	1.3303
12:58:42	70.21	3.50	360.93	120.88	80.59	80.22	927.46	17.0462	17.8637	20.3545	0.1833	1.4321	146.8482	1.3360
12:58:43	73.26	3.50	360.93	122.10	79.37	80.22	927.46	16.2496	17.0290	20.2415	0.1840	1.4377	147.4553	1.3416
12:58:44	73.26	3.50	360.93	122.10	76.92	80.22	927.46	15.9310	16.6977	20.3545	0.1846	1.4431	148.0679	1.3473
12:58:45	73.26	3.50	361.42	123.32	75.70	80.22	928.44	15.7717	16.5307	20.1284	0.1852	1.4485	148.6736	1.3529
12:58:46	73.26	3.51	361.42	120.88	75.70	80.22	927.46	15.9310	16.6977	20.2415	0.1859	1.4539	149.2828	1.3585
12:58:47	73.26	3.51	371.67	120.88	74.48	80.22	929.49	15.9310	16.6977	20.1284	0.1866	1.4593	149.8885	1.3641
12:58:48	73.26	3.51	371.18	122.10	74.48	79.49	931.02	16.0903	16.8647	20.3545	0.1873	1.4648	150.5011	1.3697
12:58:49	73.26	3.51	371.67	125.76	75.70	79.49	931.02	15.7717	16.5333	20.2415	0.1879	1.4702	151.1123	1.3753
12:58:50	73.26	3.53	371.18	126.98	75.70	80.22	934.58	15.7717	16.5333	20.3545	0.1886	1.4757	151.7269	1.3810
12:58:51	73.26	3.53	371.18	126.98	75.70	79.49	936.61	15.9310	16.7003	20.2415	0.1893	1.4813	152.3381	1.3866
12:58:52	73.26	3.53	371.18	125.76	75.70	79.49	936.61	16.4089	17.2014	20.3545	0.1899	1.4870	152.9527	1.3923
12:58:53	72.28	3.55	371.18	126.98	79.37	80.22	940.68	16.5683	17.3729	20.4676	0.1906	1.4928	153.5742	1.3980
12:58:54	72.28	3.55	371.18	128.21	78.14	79.97	939.66	16.5683	17.3729	20.4676	0.1913	1.4986	154.1956	1.4036
12:58:55	72.28	3.55	371.18	129.43	79.37	80.22	942.20	16.4089	17.2058	20.4676	0.1920	1.5044	154.8171	1.4093
12:58:56	72.28	3.55	371.18	129.43	79.37	80.22	942.20	16.5683	17.3774	20.4676	0.1927	1.5102	155.4420	1.4150
12:58:57	72.28	3.55	371.18	129.43	78.14	80.22	942.20	16.7276	17.5444	20.4676	0.1934	1.5160	156.0669	1.4207
12:58:58	72.28	3.55	361.42	129.43	76.92	80.22	940.68	16.8869	17.7115	20.4676	0.1941	1.5219	156.6918	1.4264
12:58:59	72.28	3.55	361.42	131.87	75.70	80.22	935.59	16.8869	17.7115	20.4676	0.1948	1.5278	157.3167	1.4321
12:59:00	72.28	3.55	360.93	130.65	75.70	80.22	935.59	16.8869	17.7115	20.5807	0.1955	1.5338	157.9450	1.4378
12:59:01	72.28	3.55	360.93	130.65	75.70	79.49	935.59	16.8869	17.7115	20.5807	0.1962	1.5395	158.5734	1.4435
12:59:02	72.28	3.55	360.93	125.76	75.70	79.73	935.59	17.2055	18.0457	20.3545	0.1969	1.5454	159.1948	1.4492
12:59:03	72.28	3.54	360.93	125.76	76.92	79.49	935.59	17.0462	17.8786	20.3545	0.1976	1.5512	159.8163	1.4548
12:59:04	78.75	3.54	360.93	137.97	84.25	79.97	934.07	17.0462	17.8786	20.3545	0.1983	1.5570	160.4377	1.4605
12:59:05	78.75	3.54	361.42	145.30	86.69	79.97	934.07	16.4089	17.2103	20.4676	0.1990	1.5626	161.0626	1.4662

12:59:06	78.75	3.54	360.93	148.96	84.25	79.97	934.07	16.4089	17.2076	20.3545	0.1997	1.5682	161.6820	1.4718
12:59:07	78.75	3.52	349.21	139.19	83.03	80.22	933.05	18.0020	18.8784	20.3545	0.2005	1.5743	162.3014	1.4775
12:59:08	78.75	3.52	349.21	139.19	83.03	80.22	933.05	18.9579	19.8808	20.4676	0.2014	1.5807	162.9242	1.4831
12:59:09	78.75	3.52	349.21	139.19	83.03	79.49	933.05	19.4358	20.3820	20.4676	0.2023	1.5874	163.5471	1.4888
12:59:10	78.75	3.50	348.72	133.09	79.37	79.73	936.10	18.1614	19.0406	20.3545	0.2031	1.5933	164.1630	1.4945
12:59:11	78.75	3.49	349.21	130.65	79.37	79.73	936.10	18.1614	19.0406	20.3545	0.2039	1.5993	164.7790	1.5001
12:59:12	78.75	3.49	349.21	130.65	80.59	79.73	935.09	18.1614	19.0406	20.3545	0.2047	1.6053	165.3950	1.5058
12:59:13	75.21	3.49	349.21	129.43	79.37	79.73	936.61	17.3648	18.2007	20.3545	0.2055	1.6110	166.0075	1.5115
12:59:14	75.21	3.49	348.72	130.65	79.37	79.73	938.14	17.0462	17.8640	20.4676	0.2063	1.6166	166.6214	1.5171
12:59:15	75.21	3.47	348.72	135.53	80.59	79.73	938.14	17.0462	17.8640	20.3545	0.2070	1.6222	167.2319	1.5228
12:59:16	75.21	3.47	348.72	135.53	80.59	79.73	938.14	16.8869	17.6969	20.4676	0.2078	1.6278	167.8458	1.5285
12:59:17	75.21	3.46	358.97	148.96	86.69	79.73	938.14	17.0462	17.8639	20.5807	0.2085	1.6334	168.4631	1.5342
12:59:18	75.21	3.46	359.46	151.40	86.69	79.73	939.15	17.6834	18.5278	20.5807	0.2093	1.6392	169.0777	1.5399
12:59:19	75.21	3.46	358.97	158.73	86.69	79.97	940.17	17.6834	18.5278	20.5807	0.2100	1.6450	169.6922	1.5456
12:59:20	75.21	3.46	358.97	157.51	86.69	79.73	940.17	19.4358	20.3607	20.4676	0.2109	1.6516	170.3013	1.5513
12:59:21	75.21	3.46	358.97	157.51	86.69	79.73	940.17	19.7544	20.6945	20.4676	0.2117	1.6583	170.9104	1.5570
12:59:22	75.21	3.47	359.46	152.63	86.69	79.97	941.19	20.7103	21.6959	20.4676	0.2126	1.6653	171.5194	1.5627
12:59:23	72.77	3.47	359.46	147.74	85.47	79.73	941.19	20.5510	21.5290	20.5807	0.2135	1.6722	172.1319	1.5684
12:59:24	72.77	3.47	358.97	147.74	85.47	79.73	941.19	20.5510	21.5290	20.5807	0.2144	1.6792	172.7443	1.5741
12:59:25	72.77	3.46	358.97	135.53	81.81	79.97	943.22	19.9138	20.8647	20.5807	0.2152	1.6859	173.3589	1.5798
12:59:26	72.77	3.48	359.46	131.87	80.59	79.73	943.22	19.2765	20.1969	20.4676	0.2161	1.6925	173.9700	1.5855
12:59:27	72.77	3.48	371.67	128.21	80.59	79.97	944.75	19.2765	20.1969	20.4676	0.2169	1.6990	174.5812	1.5912
12:59:28	72.77	3.48	371.67	128.21	80.59	79.97	944.75	17.6834	18.5249	20.5807	0.2176	1.7050	175.1936	1.5969
12:59:29	72.89	3.49	371.67	126.98	79.37	79.73	944.75	17.2055	18.0279	20.5807	0.2183	1.7108	175.8088	1.6026
12:59:30	72.77	3.49	371.67	126.98	78.14	79.97	944.75	16.7276	17.5272	20.6938	0.2190	1.7166	176.4274	1.6084
12:59:31	72.77	3.48	371.67	124.54	76.92	79.73	944.75	16.7276	17.5272	20.6938	0.2197	1.7225	177.0460	1.6141
12:59:32	72.77	3.49	371.67	125.76	76.92	79.73	944.75	16.5683	17.3629	20.6938	0.2204	1.7283	177.6667	1.6199
12:59:33	72.77	3.49	371.67	125.76	79.37	79.97	946.78	16.5683	17.3629	20.5807	0.2211	1.7341	178.2840	1.6256
12:59:34	73.75	3.48	371.18	134.31	80.59	79.97	946.78	16.2496	17.0264	20.6938	0.2218	1.7398	178.9026	1.6313
12:59:35	73.75	3.49	371.67	144.08	83.03	79.97	947.80	16.4089	17.1969	20.6938	0.2225	1.7455	179.5240	1.6371
12:59:36	73.75	3.48	371.18	152.63	89.13	79.73	946.78	16.4089	17.1969	20.5807	0.2231	1.7513	180.1420	1.6428
12:59:37	73.75	3.48	369.23	163.61	100.12	79.73	946.78	17.5241	18.3628	20.5807	0.2239	1.7574	180.7579	1.6485
12:59:38	73.75	3.48	369.23	172.16	112.33	80.22	946.78	18.7986	19.7013	20.6938	0.2247	1.7640	181.3792	1.6543
12:59:39	73.75	3.49	369.23	169.72	98.90	79.97	945.25	19.9138	20.8668	20.6938	0.2255	1.7710	181.9985	1.6600
12:59:40	73.75	3.49	369.23	162.39	92.80	79.97	945.25	21.3476	22.3692	20.5807	0.2264	1.7784	182.6144	1.6657
12:59:41	73.75	3.49	369.23	153.85	86.69	80.22	945.25	22.4627	23.5377	20.6938	0.2274	1.7862	183.2337	1.6715
12:59:42	73.75	3.49	369.23	152.63	86.69	80.22	945.25	22.1441	23.2087	20.5807	0.2283	1.7939	183.8524	1.6772
12:59:43	75.21	3.49	369.23	148.96	85.47	79.73	945.25	21.1882	22.2069	20.5807	0.2292	1.8013	184.4711	1.6829
12:59:44	75.21	3.49	369.23	142.86	85.47	80.22	943.73	20.0731	21.0381	20.5807	0.2301	1.8083	185.0897	1.6886
12:59:45	75.21	3.49	369.23	142.86	83.03	79.73	942.20	19.9138	20.8711	20.6938	0.2309	1.8152	185.7118	1.6944
12:59:46	75.21	3.49	369.23	129.43	79.37	79.97	938.64	19.4358	20.3703	20.5807	0.2317	1.8220	186.3305	1.7001
12:59:47	75.21	3.49	369.23	126.98	78.14	79.97	938.64	18.6393	19.5354	20.5807	0.2325	1.8285	186.9492	1.7058
12:59:48	75.21	3.49	369.72	125.76	76.92	79.97	938.64	18.6393	19.5354	20.5807	0.2333	1.8350	187.5678	1.7115
12:59:49	75.21	3.49	369.72	125.76	76.92	79.73	938.64	16.8869	17.6988	20.4676	0.2341	1.8408	188.1831	1.7172
12:59:50	75.21	3.51	369.23	125.76	75.70	79.73	936.10	16.5683	17.3648	20.4676	0.2348	1.8466	188.7984	1.7229
12:59:51	75.21	3.51	369.23	123.32	74.48	79.73	936.10	16.4089	17.1978	20.4676	0.2355	1.8523	189.4137	1.7286
12:59:52	75.21	3.51	369.23	120.88	74.48	79.97	936.10	16.4089	17.1978	20.5807	0.2362	1.8580	190.0323	1.7343
12:59:53	76.80	3.51	369.23	119.66	74.48	79.97	934.07	16.4089	17.2023	20.3545	0.2369	1.8637	190.6476	1.7400
12:59:54	76.80	3.51	369.23	119.66	74.48	79.73	932.54	16.0903	16.8683	20.4676	0.2376	1.8693	191.2663	1.7457
12:59:55	76.68	3.51	369.23	125.76	76.92	79.97	932.54	15.7717	16.5343	20.4676	0.2383	1.8748	191.8850	1.7513
12:59:56	76.68	3.51	367.77	123.32	76.92	79.73	930.51	15.6124	16.3673	20.3545	0.2390	1.8803	192.5003	1.7570
12:59:57	76.68	3.51	367.28	123.32	76.92	79.73	930.51	15.6124	16.3673	20.4676	0.2397	1.8857	193.1190	1.7627
12:59:58	76.80	3.51	367.28	123.32	76.92	79.73	929.49	16.4089	17.2024	20.3545	0.2404	1.8914	193.7343	1.7683
12:59:59	76.80	3.51	367.28	122.10	76.92	79.73	928.47	16.0903	16.8683	20.4676	0.2411	1.8970	194.3530	1.7740
13:00:00	76.80	3.51	367.28	122.10	76.92	79.73	928.47	16.0903	16.8683	20.4676	0.2418	1.9026	194.9717	1.7797
13:00:01	76.68	3.53	367.28	122.10	79.37	79.73	927.46	16.0903	16.8683	20.2415	0.2425	1.9081	195.5836	1.7853
13:00:02	76.68	3.53	367.28	122.10	79.37	79.73	927.46	15.9310	16.7013	20.3545	0.2432	1.9137	196.1989	1.7910
13:00:03	76.80	3.53	367.28	130.65	81.81	79.73	927.46	15.9310	16.7013	20.3545	0.2439	1.9192	196.8142	1.7966
13:00:04	75.21	3.53	367.28	147.74	91.58	79.73	927.46	15.9310	16.7039	20.2415	0.2446	1.9247	197.4281	1.8023
13:00:05	75.21	3.54	367.77	159.95	91.58	79.73	927.46	15.9310	16.7039	20.2415	0.2453	1.9302	198.0420	1.8079
13:00:06	75.21	3.54	367.28	164.84	91.58	79.73	928.98	17.0462	17.8732	20.3545	0.2461	1.9361	198.6594	1.8135
13:00:07	75.21	3.53	367.77	159.95	90.35	79.97	931.53	19.2765	20.2117	20.2415	0.2469	1.9428	199.2733	1.8192
13:00:08	75.21	3.53	367.77	159.95	90.35	79.97	931.53	20.8696	21.8855	20.2415	0.2478	1.9500	199.8892	1.8248
13:00:09	75.21	3.53	367.77	152.63	87.91	79.73	933.56	21.5069	22.5537	20.2415	0.2487	1.9575	200.5052	1.8304
13:00:10	75.21	3.53	367.77	152.63	87.91	79.73	933.56	20.8696	21.8821	20.3545	0.2496	1.9647	201.1225	1.8361
13:00:11	75.21	3.53	367.28	142.86	85.47	80.22	936.10	20.8696	21.8821	20.3545	0.2505	1.9720	201.7399	1.8417

10-MAY-92 06:27 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number : 1058
Test options: Dilute Modal Bag Diesel Auxiliary data Second by Second Data Particulate sampling Smoke meter

TEST TIME (s)	--DILUTE CONCENTRATIONS-- HC (ppm)	CO (ppm)	NOx (ppm)	CO2 (%)	--------MODAL GRAMS-------- HC	CO	NOx	CO2	EXH VOL (Cu.f)	DIL. RATIO	A/F RATIO	DRIV. VIOL. (s)	DIST-ANCE (Mi)	SPEED	FUEL Mpg-US Gal/Hr	SMOKE MTR (%)	----AUXILIARY SIGNALS---- OIL			
0 DL	0.7	5.1	1.8	0.00	0.001	0.008	0.00	0.06	48.58	297.12	263.73	0.0	0.000	0.0	0.03	-0.09	67.2	0.0	0.0	0.0
1 DL	1.1	8.9	5.0	0.01	0.001	0.014	0.01	0.20	48.58	264.63	102.53	0.0	0.000	0.0	0.08	3.69	66.4	0.0	0.0	0.0
2 DL	1.7	11.1	7.8	0.03	0.001	0.018	0.02	0.63	48.59	197.50	45.96	0.0	0.000	0.0	0.24	11.56	65.7	0.0	0.0	0.0
3 DL	2.2	11.6	9.2	0.05	0.002	0.019	0.02	1.24	48.59	145.94	32.59	0.0	0.000	0.0	0.45	8.45	65.4	0.0	0.0	0.0
4 DL	2.5	11.4	10.0	0.07	0.002	0.018	0.03	1.80	48.58	116.97	28.02	0.0	0.000	0.0	0.65	6.73	65.3	0.0	0.0	0.0
5 DL	2.7	11.0	10.2	0.09	0.002	0.018	0.03	2.25	48.58	101.26	26.03	0.0	0.000	0.0	0.81	6.59	65.1	0.0	0.0	0.0
6 DL	2.8	10.5	10.3	0.10	0.002	0.017	0.03	2.59	48.58	91.96	24.98	0.0	0.000	0.0	0.93	7.44	65.0	0.0	0.0	0.0
7 DL	2.8	10.5	10.4	0.11	0.002	0.017	0.03	2.85	48.57	85.81	24.32	0.0	0.000	0.0	1.02	7.58	64.9	0.0	0.0	0.0
8 DL	2.9	11.1	11.1	0.12	0.002	0.018	0.03	3.11	49.01	80.94	23.82	0.0	0.000	0.0	1.11	7.86	64.8	0.0	0.0	0.0
9 DL	3.0	12.2	12.1	0.13	0.002	0.019	0.03	3.31	48.57	76.80	23.42	0.0	0.000	0.0	1.18	12.19	64.7	0.0	0.0	0.0
10 DL	3.1	13.5	13.0	0.14	0.002	0.022	0.03	3.54	48.58	72.86	23.04	0.0	0.000	0.0	1.27	15.04	64.6	0.0	0.0	0.0
11 DL	3.2	14.8	13.4	0.15	0.003	0.024	0.04	3.82	49.02	69.14	22.70	0.0	0.000	0.0	1.37	16.14	64.6	0.0	0.0	0.0
12 DL	3.2	15.8	13.6	0.16	0.003	0.025	0.04	4.03	48.58	65.84	22.41	0.0	0.000	0.0	1.44	16.63	64.6	0.0	0.0	0.0
13 DL	3.3	16.5	13.7	0.17	0.003	0.026	0.04	4.22	48.58	63.45	22.20	0.0	0.000	0.0	1.51	16.58	64.6	0.0	0.0	0.0
14 DL	3.3	16.9	13.8	0.17	0.003	0.027	0.04	4.35	48.58	62.00	22.07	0.0	0.000	0.0	1.55	15.78	64.6	0.0	0.0	0.0
15 DL	3.3	17.4	14.0	0.18	0.003	0.028	0.04	4.45	48.58	60.82	21.97	0.0	0.000	0.0	1.59	15.15	64.6	0.0	0.0	0.0
16 DL	3.3	17.7	14.0	0.18	0.003	0.028	0.04	4.55	48.58	59.74	21.88	0.0	0.000	0.0	1.63	14.65	64.6	0.0	0.0	0.0
17 DL	3.3	17.8	14.0	0.18	0.003	0.028	0.04	4.62	48.59	58.98	21.82	0.0	0.000	0.0	1.65	14.12	64.6	0.0	0.0	0.0
18 DL	3.2	17.8	14.1	0.19	0.003	0.029	0.04	4.71	49.01	58.54	21.78	0.0	0.000	0.0	1.68	13.49	64.7	0.0	0.0	0.0
19 DL	3.2	18.0	14.9	0.19	0.003	0.029	0.04	4.71	48.58	58.10	21.74	0.0	0.000	0.0	1.68	12.98	64.8	0.0	0.0	0.0
20 DL	3.2	19.1	16.5	0.19	0.003	0.031	0.04	4.82	48.57	56.96	21.65	0.0	0.000	0.0	1.72	12.75	64.8	0.0	0.0	0.0
21 DL	3.3	21.9	18.1	0.20	0.003	0.035	0.05	5.05	48.58	54.78	21.47	0.0	0.000	0.0	1.81	13.11	64.9	0.0	0.0	0.0
22 DL	3.6	26.1	20.8	0.21	0.003	0.042	0.05	5.36	48.57	52.07	21.25	0.0	0.000	0.0	1.92	14.92	64.9	0.0	0.0	0.0
23 DL	3.8	29.9	23.0	0.23	0.003	0.048	0.06	5.77	48.57	48.94	21.00	0.0	0.000	0.1	0.03	18.33	65.0	0.0	0.0	0.0
24 DL	4.0	32.4	23.9	0.25	0.003	0.052	0.06	6.22	48.58	45.89	20.77	0.0	0.000	1.4	0.61	16.77	65.0	0.0	0.0	0.0
25 DL	4.1	33.8	24.9	0.26	0.003	0.054	0.07	6.62	48.58	43.52	20.59	2.8	0.001	2.1	0.86	15.48	65.1	0.0	0.0	0.0
26 DL	4.1	34.5	25.9	0.28	0.003	0.055	0.07	6.93	48.58	41.82	20.46	1.0	0.001	2.4	0.98	14.35	65.1	0.0	0.0	0.0
27 DL	4.2	35.2	26.6	0.29	0.003	0.056	0.07	7.19	48.57	40.51	20.37	1.0	0.001	2.9	1.11	13.54	65.2	0.0	0.0	0.0
28 DL	4.3	35.8	27.1	0.30	0.003	0.057	0.07	7.44	48.57	39.32	20.28	1.0	0.001	3.3	1.23	12.85	65.3	0.0	0.0	0.0
29 DL	4.3	36.4	27.4	0.31	0.003	0.058	0.07	7.72	48.57	38.09	20.19	1.0	0.001	3.6	1.31	12.78	65.4	0.0	0.0	0.0
30 DL	4.3	36.9	27.8	0.32	0.003	0.059	0.07	7.96	48.57	37.06	20.12	1.0	0.001	4.1	1.44	12.84	65.4	0.0	0.0	0.0
31 DL	4.4	37.3	28.3	0.32	0.003	0.060	0.07	8.18	48.57	36.22	20.06	1.0	0.001	4.6	1.56	12.59	65.5	0.0	0.0	0.0
32 DL	4.5	37.5	29.0	0.33	0.004	0.060	0.08	8.40	48.57	35.36	20.00	1.0	0.001	5.1	1.69	12.99	65.6	0.0	0.0	0.0
33 DL	4.5	37.7	29.9	0.34	0.004	0.060	0.08	8.66	48.56	34.42	19.94	1.0	0.002	5.5	1.78	14.14	65.7	0.0	0.0	0.0
34 DL	4.6	37.8	30.6	0.36	0.004	0.061	0.08	8.94	48.57	33.45	19.87	1.0	0.002	5.9	1.85	16.74	65.8	0.0	0.0	0.0
35 DL	4.7	38.3	31.5	0.37	0.004	0.061	0.08	9.22	48.58	32.58	19.81	1.0	0.002	6.3	1.91	18.25	65.8	0.0	0.0	0.0
36 DL	4.8	39.5	33.0	0.38	0.004	0.063	0.09	9.51	48.57	31.66	19.75	1.0	0.002	6.7	1.97	18.81	65.9	0.0	0.0	0.0
37 DL	4.3	42.1	35.0	0.39	0.003	0.067	0.09	9.92	48.56	30.49	19.66	1.0	0.002	7.1	2.00	19.04	66.0	0.0	0.0	0.0
38 DL	4.1	46.4	36.9	0.42	0.003	0.074	0.10	10.49	48.56	28.98	19.56	1.0	0.002	7.6	2.02	16.39	66.1	0.0	0.0	0.0
39 DL	4.8	53.0	39.5	0.44	0.004	0.085	0.10	11.15	48.57	27.39	19.45	1.0	0.002	8.1	2.02	13.93	66.2	0.0	0.0	0.0
40 DL	5.3	61.8	43.5	0.47	0.004	0.099	0.11	11.93	48.57	25.72	19.34	1.0	0.002	8.7	2.03	13.43	66.3	0.0	0.0	0.0
41 DL	5.9	71.1	48.0	0.52	0.005	0.114	0.13	12.96	48.56	23.81	19.22	1.0	0.003	9.4	2.01	14.29	66.4	0.0	0.0	0.0
42 DL	6.6	80.1	52.6	0.57	0.005	0.128	0.14	14.32	48.56	21.70	19.08	1.0	0.003	10.2	1.98	15.18	66.5	0.0	0.0	0.0
43 DL	7.6	93.7	61.2	0.63	0.006	0.150	0.16	15.90	48.57	19.67	18.95	1.0	0.003	11.2	1.95	16.48	66.7	0.0	0.0	0.0
44 DL	9.0	119.4	80.9	0.71	0.007	0.191	0.21	17.76	48.56	17.69	18.82	1.0	0.003	12.7	1.96	22.43	66.8	0.0	0.0	0.0
45 DL	10.5	149.6	110.9	0.81	0.008	0.239	0.29	20.42	48.56	15.49	18.68	1.0	0.004	15.0	2.02	28.89	66.9	0.0	0.0	0.0

46	DL	11.8	164.5	137.5	0.96	0.009	0.263	0.36	24.07	48.55	13.25	18.55	0.1	0.005	16.8	1.93	33.27	67.1	0.0	0.0	0.0
47	DL	12.6	157.5	143.6	1.11	0.010	0.252	0.38	27.91	48.54	11.51	18.45	0.0	0.005	18.6	1.85	33.07	67.1	0.0	0.0	0.0
48	DL	12.4	133.5	103.3	1.20	0.010	0.213	0.27	30.25	48.53	10.67	18.40	0.0	0.006	20.1	1.86	25.35	67.3	0.0	0.0	0.0
49	DL	11.1	104.3	47.3	1.15	0.009	0.167	0.12	28.86	48.49	11.20	18.44	0.0	0.005	18.7	1.83	16.13	67.4	0.0	0.0	0.0
50	DL	9.6	79.2	18.9	0.95	0.008	0.127	0.05	23.88	48.49	13.49	18.57	0.0	0.004	13.1	1.56	10.87	67.6	0.0	0.0	0.0
51	DL	8.3	61.5	10.9	0.72	0.007	0.098	0.03	18.15	48.50	17.54	18.82	0.0	0.003	9.2	1.45	5.75	67.9	0.0	0.0	0.0
52	DL	7.1	49.5	11.0	0.55	0.006	0.079	0.03	13.87	48.51	22.51	19.13	0.0	0.001	5.0	1.06	3.08	68.1	0.0	0.0	0.0
53	DL	6.1	40.2	11.9	0.45	0.005	0.064	0.03	11.24	48.52	27.28	19.45	0.0	0.001	1.8	0.47	3.41	68.3	0.0	0.0	0.0
54	DL	5.4	32.7	13.2	0.38	0.004	0.052	0.03	9.52	48.52	31.71	19.75	0.0	0.000	0.4	0.15	3.50	68.5	0.0	0.0	0.0
55	DL	4.8	27.6	14.4	0.33	0.004	0.044	0.04	8.21	48.52	36.18	20.06	0.0	0.000	0.0	0.00	4.35	68.7	0.0	0.0	0.0
56	DL	4.3	24.7	15.3	0.29	0.003	0.039	0.04	7.30	48.53	40.08	20.34	0.0	0.000	0.0	2.61	5.23	68.9	0.0	0.0	0.0
57	DL	4.0	22.7	15.6	0.27	0.003	0.036	0.04	6.81	48.52	42.59	20.53	0.0	0.000	0.0	2.43	5.84	68.9	0.0	0.0	0.0
58	DL	3.7	20.9	15.9	0.26	0.003	0.033	0.04	6.51	48.52	44.31	20.66	0.0	0.000	0.0	2.32	6.37	68.9	0.0	0.0	0.0
59	DL	3.5	19.7	16.9	0.25	0.003	0.032	0.04	6.22	48.53	46.07	20.79	0.0	0.000	0.0	2.22	6.91	68.9	0.0	0.0	0.0
60	DL	3.4	20.6	19.7	0.24	0.003	0.033	0.05	6.02	48.52	47.33	20.88	0.0	0.000	0.9	0.31	7.17	68.9	0.0	0.0	0.0
61	DL	3.3	24.6	24.4	0.24	0.003	0.039	0.06	6.12	48.53	46.63	20.83	0.0	0.001	2.9	1.32	7.45	69.0	0.0	0.0	0.0
62	DL	3.4	29.8	29.5	0.26	0.003	0.048	0.08	6.54	48.52	44.01	20.63	0.0	0.001	3.4	1.42	11.02	69.1	0.0	0.0	0.0
63	DL	3.5	34.5	32.5	0.29	0.003	0.055	0.09	7.20	48.53	40.50	20.37	0.0	0.001	4.1	1.58	12.50	69.3	0.0	0.0	0.0
64	DL	3.6	38.0	34.1	0.31	0.003	0.061	0.09	7.91	48.53	37.25	20.13	0.0	0.001	4.8	1.69	12.85	69.4	0.0	0.0	0.0
65	DL	3.7	41.3	36.1	0.34	0.003	0.066	0.09	8.57	48.53	34.70	19.95	0.0	0.002	5.6	1.81	13.64	69.6	0.0	0.0	0.0
66	DL	3.8	46.0	38.8	0.37	0.003	0.074	0.10	9.19	48.53	32.58	19.80	0.0	0.002	6.3	1.92	15.38	69.8	0.0	0.0	0.0
67	DL	4.0	52.6	41.5	0.39	0.003	0.084	0.11	9.90	48.52	30.45	19.66	0.0	0.002	7.1	1.99	18.87	70.1	0.0	0.0	0.0
68	DL	4.3	61.1	45.2	0.43	0.003	0.098	0.12	10.78	48.54	28.19	19.50	2.8	0.002	7.8	2.01	16.82	70.3	0.0	0.0	0.0
69	DL	4.6	71.4	49.5	0.47	0.004	0.114	0.13	11.82	48.53	25.87	19.35	1.0	0.002	8.6	2.01	13.85	70.5	0.0	0.0	0.0
70	DL	5.1	83.4	54.5	0.52	0.004	0.133	0.14	13.02	48.53	23.65	19.20	1.0	0.003	9.4	2.00	13.38	70.7	0.0	0.0	0.0
71	DL	5.8	99.3	62.8	0.57	0.005	0.159	0.17	14.40	48.52	21.52	19.06	1.0	0.003	10.4	2.00	14.13	70.8	0.0	0.0	0.0
72	DL	6.8	121.9	80.0	0.65	0.005	0.195	0.21	16.33	48.53	19.11	18.91	1.0	0.003	11.7	1.97	15.75	71.1	0.0	0.0	0.0
73	DL	8.0	145.2	112.5	0.76	0.006	0.232	0.30	19.23	48.52	16.39	18.74	1.0	0.004	14.1	2.02	19.01	71.3	0.0	0.0	0.0
74	DL	9.3	155.9	148.0	0.91	0.007	0.249	0.39	22.83	48.52	13.93	18.59	0.5	0.004	16.1	1.95	18.42	71.5	0.0	0.0	0.0
75	DL	10.3	150.2	167.3	1.05	0.008	0.240	0.44	26.44	48.52	12.12	18.49	0.0	0.005	18.1	1.89	19.20	71.7	0.0	0.0	0.0
76	DL	11.1	133.8	163.7	1.17	0.009	0.214	0.43	29.46	48.49	10.94	18.42	0.0	0.005	19.8	1.87	18.26	72.0	0.0	0.0	0.0
77	DL	11.1	111.7	132.1	1.24	0.009	0.179	0.35	31.21	48.47	10.36	18.39	0.0	0.006	21.2	1.89	14.54	72.2	0.0	0.0	0.0
78	DL	10.3	90.8	97.9	1.20	0.008	0.145	0.26	30.17	48.45	10.73	18.41	0.0	0.006	22.2	2.06	9.73	72.5	0.0	0.0	0.0
79	DL	9.1	73.4	64.8	1.07	0.007	0.117	0.17	26.81	48.45	12.04	18.49	0.0	0.006	21.1	2.21	5.78	72.8	0.0	0.0	0.0
80	DL	7.9	58.7	37.5	0.91	0.006	0.094	0.10	22.77	48.44	14.10	18.61	0.0	0.006	20.4	2.51	3.32	73.0	0.0	0.0	0.0
81	DL	6.9	46.3	24.7	0.75	0.005	0.074	0.06	18.85	48.46	16.89	18.78	0.0	0.006	20.3	3.02	2.05	73.3	0.0	0.0	0.0
82	DL	6.3	37.0	21.4	0.61	0.005	0.059	0.06	15.41	48.47	20.43	19.01	0.0	0.006	20.1	3.66	1.75	73.6	0.0	0.0	0.0
83	DL	5.8	31.1	20.4	0.51	0.005	0.050	0.05	12.82	48.47	24.21	19.25	0.0	0.006	19.9	4.35	1.91	73.9	0.0	0.0	0.0
84	DL	5.1	27.9	20.4	0.44	0.004	0.045	0.05	11.18	48.47	27.43	19.46	0.0	0.005	19.7	4.94	2.06	74.2	0.0	0.0	0.0
85	DL	4.9	24.8	21.3	0.41	0.004	0.040	0.06	10.30	48.47	29.53	19.61	0.0	0.005	19.6	5.34	2.22	74.5	0.0	0.0	0.0
86	DL	4.8	22.0	22.5	0.38	0.004	0.035	0.06	9.53	48.47	31.68	19.75	0.0	0.005	19.5	5.75	2.53	74.7	0.0	0.0	0.0
87	DL	4.6	20.1	24.2	0.35	0.004	0.032	0.06	8.90	48.48	33.71	19.89	0.0	0.005	19.5	6.16	3.08	74.9	0.0	0.0	0.0
88	DL	4.5	19.2	25.0	0.34	0.004	0.031	0.07	8.46	48.48	35.25	20.00	0.0	0.005	19.5	6.48	3.65	75.1	0.0	0.0	0.0
89	DL	4.3	18.6	23.4	0.33	0.003	0.030	0.06	8.20	48.48	36.23	20.07	0.0	0.005	18.8	6.47	4.32	75.3	0.0	0.0	0.0
90	DL	4.1	17.6	20.3	0.32	0.003	0.028	0.05	7.92	48.47	37.39	20.15	0.0	0.004	14.2	5.09	4.60	75.5	0.0	0.0	0.0
91	DL	4.0	16.0	14.7	0.29	0.003	0.026	0.04	7.40	48.48	39.72	20.32	0.0	0.003	10.3	3.99	3.80	75.7	0.0	0.0	0.0
92	DL	3.9	14.3	12.0	0.26	0.003	0.023	0.03	6.54	48.49	44.22	20.65	0.0	0.002	7.0	3.08	2.32	76.0	0.0	0.0	0.0
93	DL	3.8	13.0	11.3	0.23	0.003	0.021	0.03	5.73	48.49	49.45	21.05	0.0	0.001	3.9	2.00	2.72	76.1	0.0	0.0	0.0
94	DL	3.6	12.0	12.0	0.21	0.003	0.019	0.03	5.23	48.48	53.38	21.36	0.0	0.000	1.7	0.97	2.66	76.3	0.0	0.0	0.0
95	DL	3.4	11.1	13.3	0.20	0.003	0.018	0.04	4.93	48.48	56.01	21.58	0.0	0.000	0.5	0.29	3.41	76.5	0.0	0.0	0.0
96	DL	3.2	10.5	14.4	0.19	0.003	0.017	0.04	4.74	48.49	57.85	21.73	0.0	0.000	0.0	0.01	3.92	76.6	0.0	0.0	0.0
97	DL	3.0	10.3	14.8	0.18	0.002	0.016	0.04	4.61	48.50	59.22	21.84	0.0	0.000	0.0	1.64	4.23	76.8	0.0	0.0	0.0
98	DL	2.9	10.3	15.5	0.18	0.002	0.017	0.04	4.55	48.49	59.89	21.90	0.0	0.000	0.0	1.62	4.85	76.9	0.0	0.0	0.0
99	DL	2.8	10.9	16.8	0.18	0.002	0.017	0.04	4.56	48.49	59.70	21.88	0.0	0.000	0.0	1.63	5.36	77.0	0.0	0.0	0.0
100	DL	2.7	13.6	20.6	0.19	0.002	0.022	0.05	4.70	48.50	58.28	21.76	0.0	0.000	1.3	0.72	5.46	77.0	0.0	0.0	0.0
101	DL	2.9	19.2	26.8	0.20	0.002	0.031	0.07	5.09	48.50	54.50	21.44	0.0	0.001	3.2	1.76	6.28	77.1	0.0	0.0	0.0
102	DL	3.2	25.5	32.6	0.23	0.002	0.041	0.09	5.83	48.49	48.60	20.97	0.0	0.001	4.0	1.87	10.19	77.4	0.0	0.0	0.0
103	DL	3.4	32.1	36.1	0.27	0.003	0.051	0.09	6.74	48.50	42.86	20.54	0.0	0.001	4.8	1.97	11.41	77.7	0.0	0.0	0.0
104	DL	3.7	40.0	39.9	0.31	0.003	0.064	0.10	7.68	48.49	38.22	20.20	0.0	0.002	5.8	2.07	12.11	78.0	0.0	0.0	0.0

105 DL	4.1	50.8	43.7	0.35	0.003	0.081	0.11	8.73	48.50	34.07	19.90	0.0	0.002	6.8	2.15	16.39	78.3	0.0	0.0	0.0
106 DL	4.6	64.1	48.7	0.40	0.004	0.103	0.13	10.00	48.49	30.10	19.63	0.0	0.002	7.7	2.14	16.90	78.7	0.0	0.0	0.0
107 DL	5.2	81.1	55.3	0.46	0.004	0.130	0.15	11.47	48.50	26.54	19.39	0.0	0.002	8.7	2.10	14.24	78.9	0.0	0.0	0.0
108 DL	6.0	103.3	67.4	0.52	0.005	0.165	0.18	13.11	48.49	23.41	19.18	0.0	0.003	9.9	2.07	14.47	79.3	0.0	0.0	0.0
109 DL	7.3	126.4	93.8	0.61	0.006	0.202	0.25	15.36	48.48	20.21	18.97	2.6	0.003	11.4	2.04	16.07	79.6	0.0	0.0	0.0
110 DL	8.6	138.0	137.1	0.75	0.007	0.221	0.36	18.82	48.49	16.74	18.76	1.0	0.004	13.9	2.03	18.29	79.8	0.0	0.0	0.0
111 DL	9.8	133.3	168.9	0.92	0.008	0.213	0.44	23.18	48.47	13.76	18.58	0.4	0.005	16.4	1.95	17.31	80.2	0.0	0.0	0.0
112 DL	10.8	119.6	180.2	1.08	0.009	0.191	0.47	27.16	48.46	11.84	18.47	0.0	0.005	18.3	1.88	15.60	80.4	0.0	0.0	0.0
113 DL	11.4	101.7	161.5	1.19	0.009	0.162	0.42	29.89	48.45	10.81	18.41	0.0	0.006	20.0	1.87	13.51	80.7	0.0	0.0	0.0
114 DL	11.2	81.3	113.9	1.22	0.009	0.130	0.30	30.52	48.41	10.60	18.40	0.0	0.006	21.2	1.94	10.62	80.9	0.0	0.0	0.0
115 DL	10.1	63.1	72.1	1.12	0.008	0.101	0.19	28.08	48.39	11.51	18.46	0.0	0.006	21.2	2.13	6.60	81.1	0.0	0.0	0.0
116 DL	9.0	49.8	38.9	0.94	0.007	0.079	0.10	23.52	48.40	13.68	18.59	0.0	0.005	19.3	2.31	3.57	81.3	0.0	0.0	0.0
117 DL	8.1	41.1	26.1	0.75	0.006	0.066	0.07	18.87	48.42	16.88	18.78	0.0	0.006	19.9	2.96	2.01	81.4	0.0	0.0	0.0
118 DL	7.4	35.0	27.0	0.62	0.006	0.056	0.07	15.50	48.42	20.28	19.00	0.0	0.006	19.8	3.59	2.17	81.6	0.0	0.0	0.0
119 DL	6.7	30.0	28.4	0.53	0.005	0.048	0.07	13.42	48.43	23.18	19.18	0.0	0.005	19.8	4.14	3.19	81.9	0.0	0.0	0.0
120 DL	6.2	26.2	28.8	0.48	0.005	0.042	0.08	11.96	48.43	25.78	19.35	0.0	0.005	19.8	4.65	3.62	82.2	0.0	0.0	0.0
121 DL	5.8	23.8	28.9	0.43	0.005	0.038	0.08	10.84	48.43	28.18	19.51	0.0	0.005	19.8	5.12	3.94	82.4	0.0	0.0	0.0
122 DL	5.5	22.4	29.3	0.40	0.004	0.036	0.08	10.12	48.43	30.00	19.64	0.0	0.005	19.8	5.49	4.19	82.7	0.0	0.0	0.0
123 DL	5.3	21.5	29.3	0.39	0.004	0.034	0.08	9.70	48.43	31.17	19.72	0.0	0.005	19.8	5.73	4.42	83.0	0.0	0.0	0.0
124 DL	5.1	20.8	29.6	0.38	0.004	0.033	0.08	9.42	48.44	31.99	19.77	0.0	0.005	19.8	5.89	4.52	83.4	0.0	0.0	0.0
125 DL	5.0	20.2	30.2	0.37	0.004	0.032	0.08	9.17	48.44	32.80	19.83	0.0	0.006	19.8	6.08	4.77	83.7	0.0	0.0	0.0
126 DL	4.8	20.1	30.6	0.35	0.004	0.032	0.08	8.90	48.44	33.67	19.89	0.0	0.006	19.9	6.27	4.94	84.0	0.0	0.0	0.0
127 DL	4.7	20.2	30.9	0.35	0.004	0.032	0.08	8.75	48.44	34.20	19.93	0.0	0.006	19.9	6.40	5.27	84.2	0.0	0.0	0.0
128 DL	4.6	19.8	29.4	0.35	0.004	0.032	0.08	8.68	48.44	34.42	19.94	0.0	0.006	20.0	6.46	5.58	84.5	0.0	0.0	0.0
129 DL	4.4	18.8	25.2	0.34	0.004	0.030	0.07	8.52	48.45	35.04	19.99	0.0	0.005	18.0	6.03	5.56	84.8	0.0	0.0	0.0
130 DL	4.3	17.1	19.5	0.32	0.003	0.027	0.05	8.04	48.45	36.89	20.12	0.0	0.004	12.9	4.59	5.16	85.0	0.0	0.0	0.0
131 DL	4.2	15.5	14.0	0.29	0.003	0.025	0.04	7.25	48.46	40.41	20.37	0.0	0.002	8.3	3.27	3.55	85.2	0.0	0.0	0.0
132 DL	4.2	14.0	12.8	0.25	0.003	0.022	0.03	6.37	48.47	45.21	20.72	0.0	0.002	5.2	2.39	3.25	85.3	0.0	0.0	0.0
133 DL	4.0	12.6	12.8	0.23	0.003	0.020	0.03	5.71	48.47	49.59	21.06	0.0	0.001	2.3	1.19	3.58	85.5	0.0	0.0	0.0
134 DL	3.8	11.3	13.4	0.21	0.003	0.018	0.04	5.27	48.47	53.06	21.34	0.0	0.000	1.3	0.74	3.61	85.7	0.0	0.0	0.0
135 DL	3.6	10.4	14.4	0.20	0.003	0.017	0.04	4.93	48.46	56.00	21.57	0.0	0.000	0.2	0.14	3.89	85.8	0.0	0.0	0.0
136 DL	3.5	9.9	15.1	0.19	0.003	0.016	0.04	4.70	48.47	58.24	21.76	0.0	0.000	0.1	0.07	4.24	85.9	0.0	0.0	0.0
137 DL	3.3	9.6	15.7	0.18	0.003	0.015	0.04	4.60	48.48	59.29	21.85	0.0	0.000	0.0	0.01	4.73	86.1	0.0	0.0	0.0
138 DL	3.2	9.5	15.9	0.18	0.003	0.015	0.04	4.58	48.48	59.58	21.87	0.0	0.000	0.0	1.63	5.09	86.2	0.0	0.0	0.0
139 DL	3.2	9.7	17.2	0.18	0.002	0.015	0.05	4.57	48.48	59.68	21.88	0.0	0.000	0.0	1.63	5.00	86.4	0.0	0.0	0.0
140 DL	3.2	12.0	21.0	0.18	0.003	0.019	0.06	4.64	48.48	58.82	21.81	0.0	0.000	0.8	0.44	4.91	86.5	0.0	0.0	0.0
141 DL	3.4	17.7	27.5	0.20	0.003	0.028	0.07	4.99	48.48	55.36	21.52	0.0	0.001	3.3	1.82	5.37	86.7	0.0	0.0	0.0
142 DL	3.7	25.1	34.0	0.23	0.003	0.040	0.09	5.71	48.50	49.41	21.04	0.0	0.001	4.0	1.94	9.85	86.7	0.0	0.0	0.0
143 DL	4.0	33.8	38.7	0.27	0.003	0.054	0.10	6.69	48.49	43.14	20.56	0.0	0.001	5.0	2.06	11.39	86.6	0.0	0.0	0.0
144 DL	4.3	45.6	43.6	0.31	0.003	0.073	0.11	7.78	48.49	37.74	20.16	0.0	0.002	6.1	2.16	13.31	86.7	0.0	0.0	0.0
145 DL	4.8	60.9	49.5	0.36	0.004	0.097	0.13	9.12	48.50	32.70	19.80	0.0	0.002	7.2	2.18	17.34	86.9	0.0	0.0	0.0
146 DL	5.4	79.8	56.2	0.43	0.004	0.128	0.15	10.73	48.49	28.19	19.50	0.0	0.002	8.4	2.15	16.13	87.1	0.0	0.0	0.0
147 DL	6.2	103.4	68.7	0.50	0.005	0.165	0.18	12.51	48.49	24.44	19.25	0.0	0.003	9.6	2.11	15.16	87.4	0.0	0.0	0.0
148 DL	7.5	126.1	96.9	0.59	0.006	0.202	0.25	14.81	48.49	20.90	19.02	0.0	0.003	11.2	2.07	15.83	87.7	0.0	0.0	0.0
149 DL	8.9	136.2	142.2	0.73	0.007	0.218	0.37	18.25	48.50	17.23	18.79	0.0	0.004	13.6	2.04	17.48	87.9	0.0	0.0	0.0
150 DL	10.2	130.2	178.7	0.90	0.008	0.208	0.47	22.60	48.49	14.11	18.60	0.0	0.004	16.2	1.99	15.83	88.0	0.0	0.0	0.0
151 DL	11.2	113.9	181.5	1.07	0.009	0.182	0.48	26.82	48.47	11.99	18.48	0.0	0.005	18.2	1.89	13.67	88.2	0.0	0.0	0.0
152 DL	11.6	93.6	123.5	1.16	0.009	0.149	0.32	29.19	48.45	11.06	18.43	0.0	0.006	19.9	1.91	11.62	88.5	0.0	0.0	0.0
153 DL	11.0	74.8	68.3	1.11	0.009	0.119	0.18	27.89	48.41	11.57	18.46	0.0	0.005	19.5	1.97	8.16	88.8	0.0	0.0	0.0
154 DL	9.9	60.6	53.1	0.96	0.008	0.097	0.14	24.00	48.40	13.39	18.57	0.0	0.006	19.8	2.32	4.56	89.1	0.0	0.0	0.0
155 DL	8.9	50.3	47.0	0.80	0.007	0.080	0.12	20.17	48.42	15.81	18.72	0.0	0.005	19.7	2.74	3.86	89.3	0.0	0.0	0.0
156 DL	8.0	43.5	41.8	0.68	0.006	0.069	0.11	17.15	48.43	18.42	18.88	0.0	0.005	19.8	3.24	3.94	89.5	0.0	0.0	0.0
157 DL	7.3	39.3	39.0	0.60	0.006	0.063	0.10	15.04	48.44	20.83	19.03	0.0	0.006	19.9	3.71	4.44	89.8	0.0	0.0	0.0
158 DL	6.7	36.4	37.9	0.54	0.005	0.058	0.10	13.63	48.44	22.82	19.16	0.0	0.006	20.0	4.13	4.99	90.0	0.0	0.0	0.0
159 DL	6.3	34.1	37.3	0.50	0.005	0.054	0.10	12.63	48.43	24.48	19.27	0.0	0.006	20.2	4.48	5.35	90.3	0.0	0.0	0.0
160 DL	6.1	31.9	36.0	0.47	0.005	0.051	0.09	11.81	48.45	26.04	19.37	0.0	0.006	20.3	4.82	5.83	90.6	0.0	0.0	0.0
161 DL	5.9	29.1	33.5	0.44	0.005	0.046	0.09	11.08	48.45	27.61	19.48	0.0	0.006	20.1	5.10	5.82	90.8	0.0	0.0	0.0
162 DL	5.7	26.0	30.1	0.42	0.004	0.042	0.08	10.43	48.45	29.17	19.58	0.0	0.006	20.0	5.38	4.94	91.1	0.0	0.0	0.0
163 DL	5.5	23.1	27.7	0.39	0.004	0.037	0.07	9.84	48.45	30.77	19.69	0.0	0.006	20.0	5.70	3.47	91.4	0.0	0.0	0.0

164	DL	5.4	20.8	26.9	0.37	0.004	0.033	0.07	9.30	48.45	32.37	19.80	0.0	0.006	19.9	6.02	3.09	91.6	0.0	0.0	0.0
165	DL	5.3	18.5	26.6	0.35	0.004	0.029	0.07	8.88	48.45	33.75	19.90	0.0	0.006	19.9	6.29	3.05	91.9	0.0	0.0	0.0
166	DL	5.2	16.8	26.3	0.34	0.004	0.027	0.07	8.43	48.46	35.38	20.01	0.0	0.006	19.8	6.61	3.26	92.1	0.0	0.0	0.0
167	DL	5.1	15.8	26.4	0.32	0.004	0.025	0.07	8.06	48.45	36.78	20.11	0.0	0.006	19.8	6.90	3.38	92.4	0.0	0.0	0.0
168	DL	5.0	15.1	26.1	0.31	0.004	0.024	0.07	7.85	48.46	37.65	20.17	0.0	0.006	19.8	7.09	3.45	92.6	0.0	0.0	0.0
169	DL	4.9	14.0	23.1	0.30	0.004	0.022	0.06	7.66	48.46	38.52	20.23	0.0	0.005	18.9	7.00	3.59	92.8	0.0	0.0	0.0
170	DL	4.7	12.7	19.0	0.29	0.004	0.020	0.05	7.27	48.46	40.33	20.36	0.0	0.004	13.9	5.46	3.38	93.0	0.0	0.0	0.0
171	DL	4.7	11.7	13.7	0.26	0.004	0.019	0.04	6.62	48.47	43.77	20.62	0.0	0.003	9.7	4.18	2.54	93.2	0.0	0.0	0.0
172	DL	4.7	10.8	12.1	0.23	0.004	0.017	0.03	5.82	48.47	48.82	21.00	0.0	0.002	6.5	3.20	2.50	93.4	0.0	0.0	0.0
174	DL	4.5	10.0	11.8	0.21	0.004	0.016	0.03	5.20	48.48	53.66	21.38	0.0	0.001	3.4	2.02	3.03	93.5	0.0	0.0	0.0
174	DL	4.3	9.2	12.8	0.19	0.003	0.015	0.03	4.81	48.47	57.24	21.68	0.0	0.000	1.8	0.94	3.23	93.6	0.0	0.0	0.0
175	DL	4.1	8.7	13.9	0.18	0.003	0.014	0.04	4.56	48.47	59.73	21.89	0.0	0.000	0.6	0.38	3.93	93.7	0.0	0.0	0.0
176	DL	4.0	8.5	14.7	0.18	0.003	0.014	0.04	4.41	48.48	61.42	22.03	0.0	0.000	0.0	0.04	4.33	93.7	0.0	0.0	0.0
177	DL	3.8	8.3	15.1	0.17	0.003	0.013	0.04	4.33	48.48	62.32	22.11	0.0	0.000	0.0	1.54	4.60	93.8	0.0	0.0	0.0
178	DL	3.7	8.5	15.7	0.17	0.003	0.014	0.04	4.31	48.49	62.53	22.12	0.0	0.000	0.0	1.53	4.86	93.9	0.0	0.0	0.0
179	DL	3.6	9.1	16.8	0.17	0.003	0.015	0.04	4.33	48.48	62.23	22.10	0.0	0.000	0.0	1.54	5.04	94.0	0.0	0.0	0.0
180	DL	3.7	12.6	21.2	0.18	0.003	0.020	0.06	4.45	48.49	60.82	21.97	0.0	0.000	0.8	0.51	5.12	94.1	0.0	0.0	0.0
181	DL	3.9	20.2	29.2	0.19	0.003	0.032	0.08	4.89	48.49	56.28	21.59	0.0	0.001	3.5	1.96	5.96	94.2	0.0	0.0	0.0
182	DL	4.3	28.9	36.1	0.23	0.003	0.046	0.09	5.77	48.50	48.95	21.00	0.0	0.001	4.2	2.03	10.30	94.5	0.0	0.0	0.0
183	DL	4.6	37.6	40.5	0.27	0.004	0.060	0.11	6.89	48.49	42.00	20.47	0.0	0.001	5.2	2.09	11.21	94.7	0.0	0.0	0.0
184	DL	5.0	49.0	46.0	0.32	0.004	0.078	0.12	8.02	48.49	36.70	20.09	0.0	0.002	6.4	2.19	13.52	94.9	0.0	0.0	0.0
185	DL	5.5	66.1	52.1	0.37	0.004	0.106	0.14	9.27	48.49	32.19	19.77	0.0	0.002	7.5	2.22	17.17	94.9	0.0	0.0	0.0
186	DL	6.1	89.6	58.6	0.43	0.005	0.143	0.15	10.80	48.49	27.96	19.48	0.0	0.002	8.6	2.20	16.38	94.9	0.0	0.0	0.0
187	DL	6.9	115.6	71.1	0.51	0.005	0.185	0.19	12.77	48.49	23.94	19.21	0.0	0.003	9.9	2.13	15.64	95.0	0.0	0.0	0.0
188	DL	8.1	136.0	99.0	0.61	0.006	0.217	0.26	15.38	48.50	20.16	18.97	0.0	0.003	11.5	2.04	16.71	95.1	0.0	0.0	0.0
189	DL	9.4	144.6	144.5	0.75	0.007	0.231	0.38	18.72	48.48	16.79	18.76	0.0	0.004	13.9	2.04	16.51	95.3	0.0	0.0	0.0
190	DL	10.8	138.5	181.1	0.89	0.009	0.221	0.48	22.48	48.48	14.15	18.61	0.0	0.005	16.4	2.01	14.03	95.5	0.0	0.0	0.0
191	DL	11.9	121.2	190.8	1.05	0.009	0.194	0.50	26.27	48.46	12.22	18.49	0.0	0.005	18.4	1.95	12.84	95.7	0.0	0.0	0.0
192	DL	12.6	98.8	158.1	1.17	0.010	0.158	0.41	29.27	48.44	11.03	18.43	0.0	0.006	20.1	1.92	12.13	95.9	0.0	0.0	0.0
193	DL	12.3	78.3	102.4	1.19	0.010	0.125	0.27	29.77	48.40	10.86	18.42	0.0	0.006	21.1	1.99	10.00	96.2	0.0	0.0	0.0
194	DL	11.2	63.2	68.2	1.07	0.009	0.101	0.18	26.92	48.38	11.99	18.49	0.0	0.006	20.8	2.17	6.02	96.5	0.0	0.0	0.0
195	DL	10.0	51.8	48.4	0.92	0.008	0.083	0.13	22.95	48.40	13.98	18.61	0.0	0.006	20.5	2.51	3.58	96.7	0.0	0.0	0.0
196	DL	8.9	42.3	34.1	0.77	0.007	0.067	0.09	19.34	48.40	16.46	18.76	0.0	0.006	20.1	2.92	2.75	96.9	0.0	0.0	0.0
197	DL	8.1	34.3	28.0	0.65	0.006	0.055	0.07	16.21	48.41	19.45	18.95	0.0	0.006	20.1	3.48	2.12	97.0	0.0	0.0	0.0
198	DL	7.5	28.2	26.3	0.54	0.006	0.045	0.07	13.65	48.42	22.84	19.16	0.0	0.006	20.0	4.13	2.30	97.0	0.0	0.0	0.0
199	DL	7.1	24.3	25.6	0.47	0.006	0.039	0.07	11.71	48.43	26.30	19.39	0.0	0.006	20.0	4.79	2.57	97.3	0.0	0.0	0.0
200	DL	6.7	21.9	25.7	0.42	0.005	0.035	0.07	10.42	48.44	29.22	19.58	0.0	0.006	19.9	5.37	2.68	97.5	0.0	0.0	0.0
201	DL	6.5	20.2	26.1	0.38	0.005	0.032	0.07	9.64	48.43	31.35	19.73	0.0	0.006	19.9	5.80	2.84	97.7	0.0	0.0	0.0
202	DL	6.4	18.6	26.7	0.36	0.005	0.030	0.07	9.12	48.43	32.96	19.84	0.0	0.006	19.9	6.12	2.96	97.9	0.0	0.0	0.0
203	DL	6.3	17.2	27.4	0.35	0.005	0.027	0.07	8.68	48.43	34.42	19.94	0.0	0.006	19.9	6.43	3.09	98.2	0.0	0.0	0.0
204	DL	6.1	16.5	28.4	0.33	0.005	0.026	0.07	8.35	48.44	35.66	20.03	0.0	0.006	19.9	6.70	3.43	98.4	0.0	0.0	0.0
205	DL	6.0	16.4	29.1	0.32	0.005	0.026	0.08	8.13	48.44	36.52	20.09	0.0	0.006	20.0	6.91	3.83	98.7	0.0	0.0	0.0
206	DL	6.0	16.5	29.6	0.32	0.005	0.026	0.08	8.02	48.44	36.92	20.12	0.0	0.006	20.0	7.00	4.18	98.9	0.0	0.0	0.0
207	DL	5.9	16.3	29.9	0.32	0.005	0.026	0.08	8.01	48.45	36.99	20.12	0.0	0.006	20.0	7.02	4.15	99.1	0.0	0.0	0.0
208	DL	5.8	15.8	28.8	0.32	0.005	0.025	0.08	8.00	48.45	37.02	20.13	0.0	0.006	20.1	7.05	4.01	99.3	0.0	0.0	0.0
209	DL	5.6	14.7	24.5	0.31	0.004	0.023	0.06	7.83	48.45	37.74	20.18	0.0	0.005	18.4	6.67	4.07	99.5	0.0	0.0	0.0
210	DL	5.4	13.5	18.3	0.29	0.004	0.021	0.05	7.37	48.45	39.85	20.33	0.0	0.004	13.3	5.11	3.97	99.7	0.0	0.0	0.0
211	DL	5.4	12.5	13.4	0.26	0.004	0.020	0.04	6.62	48.46	43.72	20.61	0.0	0.002	8.7	3.77	2.74	99.8	0.0	0.0	0.0
212	DL	5.3	11.5	12.4	0.23	0.004	0.018	0.03	5.84	48.46	48.69	20.99	0.0	0.002	5.3	2.65	2.97	100.0	0.0	0.0	0.0
213	DL	5.1	10.5	12.6	0.21	0.004	0.017	0.03	5.27	48.46	53.06	21.34	0.0	0.001	2.4	1.31	3.16	100.0	0.0	0.0	0.0
214	DL	4.9	9.5	13.6	0.19	0.004	0.015	0.04	4.88	48.48	56.52	21.62	0.0	0.000	1.2	0.71	3.40	100.0	0.0	0.0	0.0
215	DL	4.7	9.0	14.5	0.18	0.004	0.014	0.04	4.61	48.48	59.24	21.84	0.0	0.000	0.2	0.14	3.74	100.1	0.0	0.0	0.0
216	DL	4.5	8.7	15.3	0.18	0.004	0.014	0.04	4.42	48.48	61.28	22.02	0.0	0.000	0.3	0.15	4.08	100.2	0.0	0.0	0.0
217	DL	4.4	8.6	15.6	0.17	0.003	0.014	0.04	4.33	48.49	62.25	22.10	0.0	0.000	0.2	0.18	4.51	100.3	0.0	0.0	0.0
218	DL	4.3	8.6	15.6	0.17	0.003	0.014	0.04	4.33	48.48	62.32	22.11	0.0	0.000	0.0	0.01	4.66	100.4	0.0	0.0	0.0
219	DL	4.2	9.3	17.4	0.17	0.003	0.015	0.05	4.35	48.49	62.03	22.08	0.0	0.000	0.0	1.55	4.57	100.6	0.0	0.0	0.0
220	DL	4.3	12.9	22.2	0.18	0.003	0.021	0.06	4.48	48.48	60.47	21.94	0.0	0.000	1.3	0.71	4.57	100.9	0.0	0.0	0.0
221	DL	4.6	20.8	30.8	0.20	0.004	0.033	0.08	4.96	48.50	55.58	21.53	0.0	0.001	3.6	1.98	5.61	101.2	0.0	0.0	0.0
222	DL	5.0	30.6	38.4	0.24	0.004	0.049	0.10	5.93	48.49	47.80	20.91	0.0	0.001	4.5	2.11	9.86	101.6	0.0	0.0	0.0

223 DL	5.4	42.8	44.6	0.29	0.004	0.068	0.12	7.16	48.50	40.56	20.36	0.0	0.002	5.7	2.20	11.21	101.8	0.0	0.0	0.0
224 DL	5.9	60.9	51.9	0.34	0.005	0.097	0.14	8.51	48.50	34.75	19.94	0.0	0.002	7.1	2.28	15.08	102.0	0.0	0.0	0.0
225 DL	6.6	86.7	60.8	0.40	0.005	0.139	0.16	10.16	48.50	29.56	19.58	0.0	0.002	8.4	2.27	16.13	102.2	0.0	0.0	0.0
226 DL	7.7	117.3	79.6	0.49	0.006	0.187	0.21	12.32	48.50	24.74	19.26	0.0	0.003	9.8	2.19	15.40	102.4	0.0	0.0	0.0
227 DL	9.1	137.0	119.3	0.62	0.007	0.219	0.31	15.51	48.50	20.03	18.96	0.0	0.003	11.6	2.06	15.46	102.5	0.0	0.0	0.0
228 DL	10.6	135.6	168.8	0.78	0.008	0.217	0.44	19.71	48.49	16.04	18.72	0.0	0.004	14.4	2.01	15.14	102.6	0.0	0.0	0.0
229 DL	12.0	120.6	196.3	0.95	0.009	0.193	0.52	23.91	48.47	13.37	18.56	0.0	0.005	16.9	1.96	12.40	102.7	0.0	0.0	0.0
230 DL	13.2	101.3	191.9	1.09	0.010	0.162	0.50	27.38	48.45	11.76	18.47	0.0	0.005	18.9	1.92	10.94	102.9	0.0	0.0	0.0
231 DL	13.6	80.7	140.3	1.18	0.011	0.129	0.37	29.56	48.44	10.94	18.42	0.0	0.006	20.4	1.93	10.14	103.1	0.0	0.0	0.0
232 DL	13.0	62.6	77.1	1.15	0.010	0.100	0.20	28.72	48.39	11.26	18.44	0.0	0.006	20.9	2.05	7.15	103.3	0.0	0.0	0.0
233 DL	11.7	49.4	42.1	0.99	0.009	0.079	0.11	24.75	48.38	13.02	18.55	0.0	0.005	19.5	2.22	4.21	103.5	0.0	0.0	0.0
234 DL	10.4	40.7	33.3	0.81	0.008	0.065	0.09	20.23	48.40	15.79	18.72	0.0	0.006	19.8	2.75	2.70	103.9	0.0	0.0	0.0
235 DL	9.4	34.9	34.8	0.67	0.007	0.056	0.09	16.82	48.41	18.78	18.90	0.0	0.006	20.1	3.35	2.74	104.1	0.0	0.0	0.0
236 DL	8.7	30.8	35.7	0.58	0.007	0.049	0.09	14.54	48.42	21.52	19.08	0.0	0.006	20.1	3.89	3.92	104.4	0.0	0.0	0.0
237 DL	8.1	27.8	35.1	0.51	0.006	0.044	0.09	12.87	48.42	24.08	19.24	0.0	0.006	20.2	4.40	4.46	104.6	0.0	0.0	0.0
238 DL	7.6	25.1	32.1	0.46	0.006	0.040	0.08	11.67	48.42	26.35	19.39	0.0	0.006	20.0	4.82	4.62	104.8	0.0	0.0	0.0
239 DL	7.3	22.4	28.5	0.43	0.006	0.036	0.07	10.77	48.44	28.36	19.53	0.0	0.006	19.9	5.19	3.90	105.0	0.0	0.0	0.0
240 DL	7.0	19.9	26.3	0.40	0.006	0.032	0.07	10.00	48.43	30.32	19.66	0.0	0.006	19.9	5.58	3.03	105.3	0.0	0.0	0.0
241 DL	6.9	17.7	26.1	0.37	0.005	0.028	0.07	9.32	48.44	32.33	19.80	0.0	0.006	19.9	5.99	2.84	105.6	0.0	0.0	0.0
242 DL	6.7	16.1	26.7	0.35	0.005	0.026	0.07	8.71	48.44	34.33	19.94	0.0	0.006	19.9	6.41	3.06	105.9	0.0	0.0	0.0
243 DL	6.6	15.3	27.7	0.33	0.005	0.024	0.07	8.24	48.44	36.08	20.06	0.0	0.006	19.9	6.80	3.34	106.0	0.0	0.0	0.0
244 DL	6.5	15.1	28.7	0.32	0.005	0.024	0.08	7.98	48.44	37.12	20.13	0.0	0.006	20.0	7.04	3.61	106.2	0.0	0.0	0.0
245 DL	6.5	15.2	29.3	0.31	0.005	0.024	0.08	7.90	48.44	37.45	20.16	0.0	0.006	20.0	7.12	3.94	106.3	0.0	0.0	0.0
246 DL	6.4	15.3	30.0	0.31	0.005	0.024	0.08	7.88	48.45	37.53	20.16	0.0	0.006	20.0	7.15	4.09	106.5	0.0	0.0	0.0
247 DL	6.3	15.1	29.8	0.31	0.005	0.024	0.08	7.87	48.45	37.57	20.17	0.0	0.006	20.1	7.18	4.06	106.6	0.0	0.0	0.0
248 DL	6.2	14.6	28.5	0.31	0.005	0.023	0.07	7.82	48.46	37.79	20.18	0.0	0.006	20.2	7.24	4.29	106.8	0.0	0.0	0.0
249 DL	6.0	13.9	24.5	0.30	0.005	0.022	0.06	7.65	48.46	38.53	20.23	0.0	0.005	19.1	7.07	4.34	107.0	0.0	0.0	0.0
250 DL	5.9	12.9	17.9	0.29	0.005	0.021	0.05	7.27	48.46	40.31	20.36	0.0	0.004	14.4	5.65	3.90	107.2	0.0	0.0	0.0
251 DL	5.9	11.9	12.6	0.26	0.005	0.019	0.03	6.61	48.46	43.79	20.62	0.0	0.003	9.7	4.20	2.61	107.4	0.0	0.0	0.0
252 DL	5.8	10.9	12.0	0.23	0.005	0.017	0.03	5.81	48.48	48.87	21.00	0.0	0.002	6.6	3.26	2.50	107.6	0.0	0.0	0.0
253 DL	5.6	9.7	12.3	0.21	0.004	0.015	0.03	5.18	48.47	53.84	21.40	0.0	0.001	3.5	1.94	3.11	107.8	0.0	0.0	0.0
254 DL	5.3	8.8	13.2	0.19	0.004	0.014	0.03	4.70	48.47	58.27	21.76	0.0	0.000	1.5	0.93	3.23	107.9	0.0	0.0	0.0
255 DL	5.1	8.3	14.2	0.17	0.004	0.013	0.04	4.38	48.48	61.65	22.05	0.0	0.000	0.6	0.41	3.76	108.0	0.0	0.0	0.0
256 DL	4.9	8.0	15.1	0.17	0.004	0.013	0.04	4.23	48.49	63.41	22.20	0.0	0.000	0.1	0.04	3.96	108.1	0.0	0.0	0.0
257 DL	4.8	8.0	15.6	0.17	0.004	0.013	0.04	4.21	48.48	63.73	22.23	0.0	0.000	0.0	0.01	4.10	108.3	0.0	0.0	0.0
258 DL	4.6	8.0	15.8	0.17	0.004	0.013	0.04	4.22	48.48	63.52	22.21	0.0	0.000	0.0	1.50	4.28	108.4	0.0	0.0	0.0
259 DL	4.5	8.5	17.3	0.17	0.004	0.014	0.05	4.24	48.49	63.31	22.19	0.0	0.000	0.0	1.51	4.51	108.5	0.0	0.0	0.0
260 DL	4.6	12.7	22.6	0.17	0.004	0.020	0.06	4.35	48.50	61.91	22.07	0.0	0.000	1.1	0.59	4.55	108.6	0.0	0.0	0.0
261 DL	4.9	21.7	31.7	0.19	0.004	0.035	0.08	4.83	48.50	56.81	21.63	0.0	0.001	3.7	2.12	5.47	108.7	0.0	0.0	0.0
262 DL	5.4	32.7	39.7	0.23	0.004	0.052	0.10	5.82	48.49	48.54	20.96	0.0	0.001	4.7	2.22	10.05	108.9	0.0	0.0	0.0
263 DL	5.8	46.3	46.2	0.28	0.005	0.074	0.12	7.09	48.49	40.87	20.38	0.0	0.002	5.9	2.30	11.81	109.0	0.0	0.0	0.0
264 DL	6.4	65.0	53.5	0.34	0.005	0.104	0.14	8.53	48.50	34.68	19.94	0.0	0.002	7.2	2.33	15.66	109.2	0.0	0.0	0.0
265 DL	7.1	90.9	61.8	0.41	0.006	0.145	0.16	10.21	48.50	29.39	19.57	0.0	0.002	8.5	2.29	16.44	109.3	0.0	0.0	0.0
266 DL	8.0	121.3	78.4	0.49	0.006	0.194	0.21	12.37	48.50	24.63	19.25	0.0	0.003	9.9	2.19	15.38	109.5	0.0	0.0	0.0
267 DL	9.3	145.2	114.9	0.61	0.007	0.232	0.30	15.43	48.50	20.10	18.96	0.0	0.003	11.6	2.07	15.42	109.7	0.0	0.0	0.0
268 DL	10.7	150.4	163.6	0.78	0.008	0.240	0.43	19.51	48.50	16.16	18.72	0.0	0.004	14.5	2.03	14.49	109.9	0.0	0.0	0.0
269 DL	12.1	138.6	193.2	0.95	0.010	0.221	0.51	23.73	48.47	13.44	18.56	0.0	0.005	16.8	1.96	11.52	110.1	0.0	0.0	0.0
270 DL	13.3	118.1	185.9	1.09	0.010	0.189	0.49	27.25	48.45	11.79	18.47	0.0	0.005	18.9	1.92	10.04	110.2	0.0	0.0	0.0
271 DL	13.6	94.2	131.4	1.16	0.011	0.150	0.34	29.16	48.42	11.06	18.43	0.0	0.006	20.1	1.93	9.15	110.4	0.0	0.0	0.0
272 DL	12.9	71.8	71.9	1.11	0.010	0.115	0.19	27.92	48.38	11.56	18.46	0.0	0.006	20.6	2.07	6.23	110.6	0.0	0.0	0.0
273 DL	11.6	55.2	41.9	0.95	0.009	0.088	0.11	23.79	48.39	13.52	18.58	0.0	0.005	19.3	2.29	3.64	110.8	0.0	0.0	0.0
274 DL	10.4	45.0	34.6	0.77	0.008	0.072	0.09	19.27	48.40	16.53	18.76	0.0	0.005	19.7	2.87	2.58	110.9	0.0	0.0	0.0
275 DL	9.5	39.2	35.6	0.64	0.007	0.063	0.09	16.11	48.40	19.53	18.95	0.0	0.006	19.9	3.47	3.06	111.2	0.0	0.0	0.0
276 DL	8.8	35.3	37.0	0.57	0.007	0.056	0.10	14.22	48.42	21.94	19.10	0.0	0.006	20.1	3.96	4.37	111.4	0.0	0.0	0.0
277 DL	8.2	31.9	36.5	0.51	0.006	0.051	0.10	12.91	48.42	23.99	19.24	0.0	0.006	20.2	4.39	5.10	111.6	0.0	0.0	0.0
278 DL	7.8	28.3	32.5	0.47	0.006	0.045	0.09	11.83	48.42	26.00	19.37	0.0	0.006	20.0	4.75	5.14	111.9	0.0	0.0	0.0
279 DL	7.4	25.0	26.4	0.43	0.006	0.040	0.07	10.84	48.42	28.16	19.51	0.0	0.005	19.7	5.11	4.19	112.2	0.0	0.0	0.0
280 DL	7.2	22.2	24.7	0.40	0.006	0.035	0.06	9.94	48.43	30.48	19.67	0.0	0.006	19.8	5.59	2.92	112.4	0.0	0.0	0.0
281 DL	7.1	19.8	25.6	0.37	0.006	0.032	0.07	9.22	48.43	32.62	19.82	0.0	0.006	19.8	6.05	2.84	112.7	0.0	0.0	0.0

282 DL	7.0	18.0	27.3	0.35	0.006	0.029	0.07	8.68	48.44	34.41	19.94	0.0	0.006	19.9	6.44	3.33	112.9	0.0	0.0	0.0
283 DL	6.9	16.9	28.4	0.33	0.005	0.027	0.07	8.29	48.44	35.87	20.04	0.0	0.006	19.9	6.75	3.62	113.1	0.0	0.0	0.0
284 DL	6.8	16.4	29.1	0.32	0.005	0.026	0.08	8.03	48.45	36.88	20.12	0.0	0.006	20.0	6.99	3.87	113.3	0.0	0.0	0.0
285 DL	6.7	16.2	29.5	0.32	0.005	0.026	0.08	7.92	48.44	37.33	20.15	0.0	0.006	20.0	7.11	4.03	113.5	0.0	0.0	0.0
286 DL	6.7	15.9	29.8	0.31	0.005	0.025	0.08	7.89	48.45	37.47	20.16	0.0	0.006	20.1	7.15	4.10	113.7	0.0	0.0	0.0
287 DL	6.6	15.6	30.0	0.31	0.005	0.025	0.08	7.88	48.45	37.52	20.16	0.0	0.006	20.2	7.19	4.29	114.0	0.0	0.0	0.0
288 DL	6.5	14.8	28.4	0.31	0.005	0.024	0.07	7.83	48.46	37.73	20.18	0.0	0.006	20.2	7.24	4.33	114.1	0.0	0.0	0.0
289 DL	6.3	13.9	24.1	0.30	0.005	0.022	0.06	7.63	48.45	38.61	20.24	0.0	0.005	18.5	6.90	4.19	114.2	0.0	0.0	0.0
290 DL	6.2	12.9	17.4	0.29	0.005	0.021	0.05	7.18	48.46	40.77	20.40	0.0	0.004	13.9	5.52	3.92	114.4	0.0	0.0	0.0
291 DL	6.2	12.0	12.4	0.26	0.005	0.019	0.03	6.46	48.47	44.66	20.68	0.0	0.003	9.3	4.15	2.55	114.5	0.0	0.0	0.0
292 DL	6.0	11.0	12.1	0.23	0.005	0.018	0.03	5.69	48.47	49.72	21.07	0.0	0.002	6.0	3.04	2.87	114.6	0.0	0.0	0.0
293 DL	5.9	9.9	12.5	0.20	0.005	0.016	0.03	5.11	48.47	54.43	21.45	0.0	0.001	2.9	1.65	3.29	114.7	0.0	0.0	0.0
294 DL	5.7	9.1	13.5	0.19	0.004	0.014	0.04	4.69	48.47	58.35	21.77	0.0	0.000	1.3	0.79	3.32	114.7	0.0	0.0	0.0
295 DL	5.4	8.5	14.4	0.18	0.004	0.014	0.04	4.41	48.48	61.34	22.02	0.0	0.000	0.2	0.19	3.88	114.9	0.0	0.0	0.0
296 DL	5.3	8.2	15.2	0.17	0.004	0.013	0.04	4.24	48.48	63.35	22.20	0.0	0.000	0.0	0.02	3.98	114.9	0.0	0.0	0.0
297 DL	5.1	8.1	15.7	0.17	0.004	0.013	0.04	4.17	48.49	64.11	22.26	0.0	0.000	0.0	1.49	4.24	115.1	0.0	0.0	0.0
298 DL	5.0	8.0	15.9	0.17	0.004	0.013	0.04	4.18	48.49	64.02	22.25	0.0	0.000	0.0	1.49	4.48	115.2	0.0	0.0	0.0
299 DL	4.9	8.7	17.4	0.17	0.004	0.014	0.05	4.22	48.49	63.59	22.22	0.0	0.000	0.0	1.50	4.67	115.4	0.0	0.0	0.0
300 DL	5.0	12.9	22.7	0.17	0.004	0.021	0.06	4.34	48.49	62.03	22.08	0.0	0.000	1.0	0.53	4.65	115.6	0.0	0.0	0.0
301 DL	5.3	22.8	32.2	0.19	0.004	0.036	0.08	4.83	48.50	56.80	21.63	0.0	0.001	3.8	2.15	5.47	115.8	0.0	0.0	0.0
302 DL	5.8	35.9	41.0	0.23	0.005	0.057	0.11	5.88	48.49	48.08	20.92	0.0	0.001	4.8	2.23	9.66	115.8	0.0	0.0	0.0
303 DL	6.3	52.8	49.2	0.29	0.005	0.084	0.13	7.32	48.50	39.71	20.30	0.0	0.002	6.2	2.30	12.20	115.8	0.0	0.0	0.0
304 DL	7.0	76.3	58.3	0.36	0.006	0.122	0.15	8.97	48.50	33.09	19.82	0.0	0.002	7.6	2.32	16.05	115.9	0.0	0.0	0.0
305 DL	7.9	106.8	74.5	0.43	0.006	0.171	0.20	10.90	48.49	27.66	19.45	0.0	0.003	9.1	2.28	16.33	116.0	0.0	0.0	0.0
306 DL	9.2	133.1	111.8	0.54	0.007	0.213	0.29	13.56	48.49	22.65	19.12	0.0	0.003	11.0	2.21	16.23	116.2	0.0	0.0	0.0
307 DL	10.8	138.4	164.2	0.70	0.009	0.221	0.43	17.60	48.49	17.83	18.82	0.0	0.004	13.5	2.09	15.38	116.3	0.0	0.0	0.0
308 DL	12.3	126.1	199.8	0.90	0.010	0.202	0.52	22.51	48.48	14.17	18.61	0.0	0.005	16.4	2.01	12.75	116.5	0.0	0.0	0.0
309 DL	13.8	107.9	204.8	1.07	0.011	0.172	0.54	26.96	48.46	11.93	18.48	0.0	0.005	18.4	1.90	10.24	116.5	0.0	0.0	0.0
310 DL	14.5	88.9	157.0	1.19	0.011	0.142	0.41	29.84	48.44	10.83	18.42	0.0	0.006	20.2	1.89	9.74	116.7	0.0	0.0	0.0
311 DL	14.0	71.1	87.8	1.18	0.011	0.113	0.23	29.50	48.38	10.96	18.43	0.0	0.006	20.7	1.97	8.24	116.7	0.0	0.0	0.0
312 DL	12.8	56.5	47.8	1.03	0.010	0.090	0.13	25.82	48.37	12.49	18.52	0.0	0.005	19.5	2.13	4.76	116.9	0.0	0.0	0.0
313 DL	11.4	45.3	34.4	0.84	0.009	0.072	0.09	21.13	48.38	15.15	18.68	0.0	0.005	19.7	2.61	2.93	117.0	0.0	0.0	0.0
314 DL	10.3	37.3	34.2	0.69	0.008	0.059	0.09	17.21	48.40	18.39	18.88	0.0	0.006	20.0	3.26	2.71	117.2	0.0	0.0	0.0
315 DL	9.5	32.2	35.4	0.58	0.008	0.051	0.09	14.46	48.41	21.62	19.08	0.0	0.006	20.0	3.89	3.63	117.3	0.0	0.0	0.0
316 DL	8.9	29.3	35.7	0.50	0.007	0.047	0.09	12.63	48.41	24.48	19.27	0.0	0.006	20.1	4.47	4.54	117.5	0.0	0.0	0.0
317 DL	8.4	27.2	33.9	0.46	0.007	0.043	0.09	11.45	48.41	26.78	19.42	0.0	0.006	20.2	4.96	5.02	117.7	0.0	0.0	0.0
318 DL	8.0	24.7	29.8	0.42	0.006	0.039	0.08	10.63	48.42	28.67	19.55	0.0	0.006	19.9	5.26	4.94	117.9	0.0	0.0	0.0
319 DL	7.7	21.9	24.3	0.39	0.006	0.035	0.06	9.86	48.43	30.69	19.68	0.0	0.005	19.7	5.61	3.77	118.2	0.0	0.0	0.0
320 DL	7.6	19.2	22.7	0.36	0.006	0.031	0.06	9.06	48.43	33.14	19.85	0.0	0.005	19.8	6.12	2.75	118.4	0.0	0.0	0.0
321 DL	7.5	17.0	23.8	0.33	0.006	0.027	0.06	8.35	48.43	35.62	20.03	0.0	0.005	19.8	6.65	2.73	118.6	0.0	0.0	0.0
322 DL	7.4	15.6	26.1	0.31	0.006	0.025	0.07	7.84	48.44	37.67	20.17	0.0	0.006	19.9	7.11	3.08	118.8	0.0	0.0	0.0
323 DL	7.3	15.2	28.6	0.30	0.006	0.024	0.08	7.55	48.44	38.96	20.27	0.0	0.006	19.9	7.41	3.55	119.0	0.0	0.0	0.0
324 DL	7.2	15.4	30.3	0.30	0.006	0.025	0.08	7.45	48.44	39.39	20.30	0.0	0.006	20.0	7.55	4.12	119.2	0.0	0.0	0.0
325 DL	7.1	16.1	31.4	0.30	0.006	0.026	0.08	7.50	48.45	39.18	20.28	0.0	0.006	20.2	7.55	4.59	119.5	0.0	0.0	0.0
326 DL	7.0	16.6	32.0	0.30	0.006	0.026	0.08	7.61	48.44	38.66	20.24	0.0	0.006	20.2	7.47	4.91	119.8	0.0	0.0	0.0
327 DL	6.9	16.2	30.7	0.31	0.005	0.026	0.08	7.72	48.45	38.20	20.21	0.0	0.006	20.2	7.35	4.88	120.0	0.0	0.0	0.0
328 DL	6.8	15.0	27.1	0.31	0.005	0.024	0.07	7.71	48.46	38.26	20.22	0.0	0.006	20.2	7.36	4.23	120.2	0.0	0.0	0.0
329 DL	6.6	13.3	22.6	0.30	0.005	0.021	0.06	7.47	48.45	39.35	20.29	0.0	0.005	18.0	6.88	3.72	120.4	0.0	0.0	0.0
330 DL	6.5	11.7	16.1	0.28	0.005	0.019	0.04	6.93	48.46	42.04	20.49	0.0	0.004	13.9	5.71	3.32	120.4	0.0	0.0	0.0
331 DL	6.5	10.6	11.6	0.24	0.005	0.017	0.03	6.11	48.46	46.89	20.85	0.0	0.003	9.5	4.45	2.14	120.5	0.0	0.0	0.0
332 DL	6.4	9.7	11.4	0.21	0.005	0.015	0.03	5.26	48.47	53.11	21.34	0.0	0.002	6.6	3.62	2.74	120.5	0.0	0.0	0.0
333 DL	6.2	9.0	11.7	0.19	0.005	0.014	0.03	4.69	48.47	58.32	21.77	0.0	0.001	3.6	2.25	3.15	120.6	0.0	0.0	0.0
334 DL	6.0	8.4	13.0	0.17	0.005	0.013	0.03	4.38	48.47	61.69	22.05	0.0	0.001	1.9	1.31	3.21	120.7	0.0	0.0	0.0
335 DL	5.8	7.9	13.8	0.17	0.005	0.013	0.04	4.21	48.49	63.68	22.22	0.0	0.000	0.9	0.66	3.56	120.8	0.0	0.0	0.0
336 DL	5.6	7.6	14.5	0.16	0.004	0.012	0.04	4.10	48.48	64.99	22.34	0.0	0.000	0.3	0.22	4.14	120.9	0.0	0.0	0.0
337 DL	5.4	7.6	15.3	0.16	0.004	0.012	0.04	4.03	48.49	65.87	22.42	0.0	0.000	0.0	0.01	4.29	121.1	0.0	0.0	0.0
338 DL	5.3	7.6	15.9	0.16	0.004	0.012	0.04	4.02	48.48	66.03	22.43	0.0	0.000	0.0	1.43	4.35	121.2	0.0	0.0	0.0
339 DL	5.2	8.4	17.5	0.16	0.004	0.013	0.05	4.05	48.49	65.59	22.39	0.0	0.000	0.0	1.45	4.53	121.3	0.0	0.0	0.0
340 DL	5.3	12.7	23.1	0.17	0.004	0.020	0.06	4.21	48.49	63.62	22.21	0.0	0.000	1.1	0.63	4.52	121.3	0.0	0.0	0.0

341 DL	5.6	22.7	33.1	0.19	0.004	0.036	0.09	4.71	48.50	57.87	21.71	0.0	0.001	3.9	2.26	5.51	121.5	0.0	0.0	0.0
342 DL	6.1	37.7	42.7	0.23	0.005	0.060	0.11	5.80	48.49	48.63	20.96	0.0	0.001	4.9	2.33	9.70	121.7	0.0	0.0	0.0
343 DL	6.7	58.4	51.6	0.29	0.005	0.093	0.14	7.38	48.49	39.41	20.27	0.0	0.002	6.4	2.37	12.53	121.8	0.0	0.0	0.0
344 DL	7.4	85.8	61.7	0.37	0.006	0.137	0.16	9.31	48.49	31.97	19.74	0.0	0.002	7.9	2.32	15.78	121.9	0.0	0.0	0.0
345 DL	8.3	116.2	81.8	0.46	0.007	0.186	0.21	11.54	48.49	26.24	19.36	0.0	0.003	9.5	2.25	15.93	122.0	0.0	0.0	0.0
346 DL	9.7	134.8	125.5	0.58	0.008	0.216	0.33	14.48	48.50	21.34	19.04	0.0	0.003	11.5	2.17	16.13	122.1	0.0	0.0	0.0
347 DL	11.4	132.8	179.1	0.74	0.009	0.212	0.47	18.48	48.50	17.04	18.78	0.0	0.004	14.3	2.12	14.59	122.1	0.0	0.0	0.0
348 DL	13.2	118.5	207.4	0.91	0.010	0.189	0.54	22.90	48.48	13.94	18.60	0.0	0.005	16.9	2.05	11.45	122.2	0.0	0.0	0.0
349 DL	14.7	100.0	198.3	1.07	0.012	0.160	0.52	26.93	48.44	11.95	18.48	0.0	0.005	18.9	1.96	9.46	122.3	0.0	0.0	0.0
350 DL	15.3	80.9	142.8	1.18	0.012	0.129	0.37	29.54	48.42	10.94	18.42	0.0	0.006	20.4	1.93	8.76	122.4	0.0	0.0	0.0
351 DL	14.5	64.9	91.7	1.15	0.011	0.103	0.24	28.83	48.36	11.20	18.44	0.0	0.006	21.2	2.06	6.34	122.6	0.0	0.0	0.0
352 DL	13.0	52.9	63.8	1.01	0.010	0.084	0.17	25.40	48.37	12.68	18.53	0.0	0.006	20.6	2.29	4.14	122.8	0.0	0.0	0.0
353 DL	11.6	43.7	43.6	0.86	0.009	0.070	0.11	21.45	48.38	14.92	18.67	0.0	0.006	20.3	2.66	3.10	123.0	0.0	0.0	0.0
354 DL	10.4	36.0	29.6	0.72	0.008	0.057	0.08	17.93	48.40	17.69	18.84	0.0	0.006	19.9	3.12	2.59	123.3	0.0	0.0	0.0
355 DL	9.6	29.4	23.2	0.59	0.008	0.047	0.06	14.90	48.41	21.06	19.05	0.0	0.006	19.9	3.75	2.25	123.5	0.0	0.0	0.0
356 DL	9.0	24.0	22.5	0.49	0.007	0.038	0.06	12.40	48.41	24.95	19.30	0.0	0.006	19.8	4.49	2.31	123.8	0.0	0.0	0.0
357 DL	8.6	20.3	23.7	0.42	0.007	0.032	0.06	10.53	48.41	28.97	19.57	0.0	0.006	19.8	5.29	2.56	124.0	0.0	0.0	0.0
358 DL	8.4	18.4	25.6	0.37	0.007	0.029	0.07	9.27	48.42	32.48	19.81	0.0	0.006	19.9	6.03	2.95	124.2	0.0	0.0	0.0
359 DL	8.2	17.6	28.0	0.34	0.006	0.028	0.07	8.59	48.43	34.74	19.96	0.0	0.006	19.9	6.52	3.32	124.4	0.0	0.0	0.0
360 DL	8.0	17.3	28.7	0.33	0.006	0.028	0.08	8.30	48.43	35.81	20.04	0.0	0.006	19.9	6.75	3.61	124.7	0.0	0.0	0.0
361 DL	7.9	16.8	29.3	0.33	0.006	0.027	0.08	8.16	48.43	36.34	20.08	0.0	0.006	20.0	6.89	3.84	124.8	0.0	0.0	0.0
362 DL	7.7	16.1	29.3	0.32	0.006	0.026	0.08	8.05	48.44	36.79	20.11	0.0	0.006	20.1	7.00	3.94	125.0	0.0	0.0	0.0
363 DL	7.6	15.1	29.2	0.32	0.006	0.024	0.08	7.92	48.44	37.34	20.15	0.0	0.006	20.1	7.11	3.98	125.3	0.0	0.0	0.0
364 DL	7.4	14.3	28.9	0.31	0.006	0.023	0.08	7.75	48.43	38.07	20.20	0.0	0.006	20.1	7.29	3.92	125.4	0.0	0.0	0.0
365 DL	7.3	13.5	26.8	0.30	0.006	0.021	0.07	7.58	48.44	38.84	20.26	0.0	0.006	19.9	7.40	3.92	125.6	0.0	0.0	0.0
366 DL	7.2	12.5	23.6	0.29	0.006	0.020	0.06	7.37	48.45	39.82	20.33	0.0	0.005	19.7	7.50	3.60	125.7	0.0	0.0	0.0
367 DL	7.1	11.8	21.9	0.28	0.006	0.019	0.06	7.07	48.46	41.26	20.43	0.0	0.005	19.8	7.85	2.81	125.8	0.0	0.0	0.0
368 DL	7.0	11.1	22.6	0.27	0.006	0.018	0.06	6.80	48.46	42.68	20.54	0.0	0.005	19.8	8.17	2.87	125.9	0.0	0.0	0.0
369 DL	6.9	10.3	21.3	0.26	0.005	0.016	0.06	6.59	48.46	43.90	20.63	0.0	0.005	18.9	8.13	3.26	126.0	0.0	0.0	0.0
370 DL	6.7	9.7	17.4	0.25	0.005	0.015	0.05	6.27	48.46	45.81	20.77	0.0	0.004	14.5	6.57	3.45	126.1	0.0	0.0	0.0
371 DL	6.6	9.2	12.7	0.23	0.005	0.015	0.03	5.77	48.47	49.19	21.03	0.0	0.003	10.2	5.08	2.76	126.2	0.0	0.0	0.0
372 DL	6.5	8.9	11.6	0.21	0.005	0.014	0.03	5.16	48.47	54.00	21.41	0.0	0.002	7.2	4.00	2.84	126.3	0.0	0.0	0.0
373 DL	6.4	8.4	11.5	0.19	0.005	0.013	0.03	4.66	48.48	58.64	21.79	0.0	0.001	4.3	2.66	3.31	126.5	0.0	0.0	0.0
374 DL	6.2	7.8	12.5	0.17	0.005	0.012	0.03	4.31	48.47	62.49	22.12	0.0	0.001	2.3	1.55	3.26	126.5	0.0	0.0	0.0
375 DL	5.9	7.4	14.1	0.16	0.005	0.012	0.04	4.08	48.48	65.29	22.36	0.0	0.000	1.1	0.79	3.66	126.6	0.0	0.0	0.0
376 DL	5.8	7.2	14.7	0.16	0.005	0.012	0.04	3.96	48.49	66.87	22.50	0.0	0.000	0.3	0.21	4.15	126.7	0.0	0.0	0.0
377 DL	5.6	7.2	15.4	0.16	0.004	0.012	0.04	3.93	48.48	67.20	22.53	0.0	0.000	0.0	0.01	4.37	126.8	0.0	0.0	0.0
378 DL	5.4	7.4	15.8	0.16	0.004	0.012	0.04	3.96	48.50	66.80	22.50	0.0	0.000	0.0	1.41	4.73	126.9	0.0	0.0	0.0
379 DL	5.3	8.2	17.4	0.16	0.004	0.013	0.05	4.01	48.49	66.14	22.44	0.0	0.000	0.0	1.43	4.80	127.1	0.0	0.0	0.0
380 DL	5.4	13.0	23.2	0.17	0.004	0.021	0.06	4.16	48.50	64.19	22.26	0.0	0.000	1.3	0.78	4.79	127.2	0.0	0.0	0.0
381 DL	5.8	23.6	33.4	0.19	0.005	0.038	0.09	4.67	48.50	58.32	21.75	0.0	0.001	4.0	2.35	6.21	127.3	0.0	0.0	0.0
382 DL	6.3	38.3	42.7	0.23	0.005	0.061	0.11	5.70	48.50	49.30	21.01	0.0	0.001	5.1	2.42	10.83	127.5	0.0	0.0	0.0
383 DL	6.9	59.1	50.8	0.28	0.005	0.095	0.13	7.12	48.50	40.62	20.36	0.0	0.002	6.4	2.49	12.71	127.6	0.0	0.0	0.0
384 DL	7.5	86.8	60.2	0.36	0.006	0.139	0.16	8.94	48.50	33.12	19.82	0.0	0.002	7.9	2.39	16.68	127.6	0.0	0.0	0.0
385 DL	8.2	117.9	75.5	0.45	0.007	0.188	0.20	11.19	48.50	26.98	19.40	0.0	0.003	9.3	2.27	16.76	127.8	0.0	0.0	0.0
386 DL	9.3	143.0	108.8	0.55	0.007	0.229	0.29	13.94	48.49	22.04	19.08	0.0	0.003	11.2	2.18	16.51	127.9	0.0	0.0	0.0
387 DL	10.8	150.6	161.0	0.70	0.009	0.241	0.42	17.53	48.49	17.85	18.82	0.0	0.004	13.6	2.12	15.13	128.0	0.0	0.0	0.0
388 DL	12.4	139.3	199.5	0.87	0.010	0.223	0.52	21.83	48.48	14.56	18.63	0.0	0.005	16.4	2.07	11.91	128.0	0.0	0.0	0.0
389 DL	14.0	117.9	201.1	1.04	0.011	0.188	0.53	26.12	48.45	12.29	18.50	0.0	0.005	18.4	1.96	9.78	128.0	0.0	0.0	0.0
390 DL	14.7	94.8	137.0	1.16	0.012	0.151	0.36	29.02	48.43	11.11	18.43	0.0	0.006	20.2	1.95	8.85	128.1	0.0	0.0	0.0
391 DL	14.1	75.3	68.2	1.12	0.011	0.120	0.18	28.08	48.36	11.48	18.46	0.0	0.006	20.1	2.01	6.86	128.2	0.0	0.0	0.0
392 DL	12.8	59.9	44.0	0.96	0.010	0.095	0.12	24.02	48.37	13.38	18.57	0.0	0.005	19.6	2.29	4.13	128.4	0.0	0.0	0.0
393 DL	11.5	48.7	39.8	0.79	0.009	0.078	0.10	19.75	48.40	16.13	18.74	0.0	0.006	19.9	2.82	3.19	128.6	0.0	0.0	0.0
394 DL	10.4	41.2	39.6	0.66	0.008	0.066	0.10	16.49	48.41	19.11	18.92	0.0	0.006	20.1	3.41	3.76	128.8	0.0	0.0	0.0
395 DL	9.6	36.7	39.2	0.57	0.008	0.059	0.10	14.22	48.42	21.93	19.10	0.0	0.006	20.3	3.99	4.72	129.1	0.0	0.0	0.0
396 DL	8.9	33.3	37.1	0.51	0.007	0.053	0.10	12.72	48.42	24.31	19.26	0.0	0.006	20.4	4.49	5.20	129.3	0.0	0.0	0.0
397 DL	8.4	29.8	32.5	0.47	0.007	0.048	0.09	11.67	48.43	26.31	19.39	0.0	0.006	20.2	4.85	4.97	129.5	0.0	0.0	0.0
398 DL	8.0	25.7	27.4	0.43	0.006	0.041	0.07	10.76	48.43	28.36	19.53	0.0	0.006	20.0	5.23	3.83	129.7	0.0	0.0	0.0
399 DL	7.8	21.8	24.9	0.39	0.006	0.035	0.07	9.80	48.43	30.86	19.70	0.0	0.006	20.0	5.73	2.99	129.9	0.0	0.0	0.0

400 DL	7.7	18.8	24.6	0.35	0.006	0.030	0.06	8.89	48.44	33.71	19.89	0.0	0.006	20.0	6.31	2.83	130.1	0.0	0.0	0.0
401 DL	7.6	17.0	25.2	0.33	0.006	0.027	0.07	8.16	48.44	36.34	20.08	0.0	0.006	20.0	6.89	2.96	130.4	0.0	0.0	0.0
402 DL	7.5	16.0	26.4	0.31	0.006	0.026	0.07	7.74	48.43	38.10	20.20	0.0	0.006	20.1	7.28	3.23	130.5	0.0	0.0	0.0
403 DL	7.5	15.3	27.0	0.30	0.006	0.024	0.07	7.54	48.44	38.97	20.27	0.0	0.006	20.1	7.49	3.48	130.7	0.0	0.0	0.0
404 DL	7.4	14.6	26.7	0.30	0.006	0.023	0.07	7.44	48.45	39.47	20.30	0.0	0.006	20.1	7.60	3.64	130.9	0.0	0.0	0.0
405 DL	7.3	13.6	25.8	0.29	0.006	0.022	0.07	7.33	48.45	39.98	20.34	0.0	0.006	20.1	7.69	3.53	131.0	0.0	0.0	0.0
406 DL	7.2	12.3	24.2	0.28	0.006	0.020	0.06	7.15	48.45	40.87	20.41	0.0	0.006	20.0	7.84	3.35	131.1	0.0	0.0	0.0
407 DL	7.1	11.3	22.5	0.27	0.006	0.018	0.06	6.87	48.45	42.32	20.51	0.0	0.006	19.9	8.15	2.98	131.2	0.0	0.0	0.0
408 DL	7.1	10.6	21.1	0.26	0.006	0.017	0.06	6.59	48.45	43.87	20.63	0.0	0.006	19.9	8.48	2.78	131.4	0.0	0.0	0.0
409 DL	7.0	9.9	19.0	0.25	0.006	0.016	0.05	6.34	48.45	45.37	20.74	0.0	0.005	18.6	8.35	2.82	131.5	0.0	0.0	0.0
410 DL	6.8	9.4	15.0	0.24	0.005	0.015	0.04	6.03	48.46	47.36	20.89	0.0	0.004	14.2	6.70	2.91	131.6	0.0	0.0	0.0
411 DL	6.8	9.0	11.1	0.22	0.005	0.014	0.03	5.53	48.46	50.97	21.17	0.0	0.003	9.9	5.15	2.28	131.7	0.0	0.0	0.0
412 DL	6.8	8.5	10.7	0.19	0.005	0.014	0.03	4.86	48.48	56.69	21.63	0.0	0.002	7.0	4.09	2.84	131.7	0.0	0.0	0.0
413 DL	6.6	7.9	11.0	0.17	0.005	0.013	0.03	4.28	48.48	62.81	22.14	0.0	0.001	3.9	2.67	3.13	131.8	0.0	0.0	0.0
414 DL	6.4	7.5	12.3	0.16	0.005	0.012	0.03	3.93	48.47	67.23	22.54	0.0	0.001	2.1	1.56	3.17	131.9	0.0	0.0	0.0
415 DL	6.2	7.3	13.3	0.15	0.005	0.012	0.04	3.79	48.49	69.15	22.71	0.0	0.000	0.9	0.73	3.63	131.9	0.0	0.0	0.0
416 DL	6.0	7.2	14.4	0.15	0.005	0.011	0.04	3.77	48.48	69.39	22.73	0.0	0.000	0.6	0.44	3.88	132.0	0.0	0.0	0.0
417 DL	5.8	7.2	14.9	0.15	0.005	0.011	0.04	3.80	48.49	69.08	22.70	0.0	0.000	0.1	0.06	4.42	132.1	0.0	0.0	0.0
418 DL	5.6	7.3	15.5	0.15	0.004	0.012	0.04	3.84	48.49	68.52	22.65	0.0	0.000	0.0	0.00	4.56	132.2	0.0	0.0	0.0
419 DL	5.5	7.9	17.1	0.15	0.004	0.013	0.04	3.87	48.49	68.00	22.60	0.0	0.000	0.0	1.38	4.64	132.3	0.0	0.0	0.0
420 DL	5.6	12.8	22.9	0.16	0.004	0.020	0.06	4.01	48.50	66.00	22.42	0.0	0.000	1.2	0.70	4.68	132.4	0.0	0.0	0.0
421 DL	6.0	24.3	33.8	0.18	0.005	0.039	0.09	4.52	48.49	59.77	21.87	0.0	0.001	4.0	2.45	5.83	132.5	0.0	0.0	0.0
422 DL	6.6	42.3	44.8	0.22	0.005	0.068	0.12	5.63	48.49	49.77	21.05	0.0	0.001	5.2	2.52	10.74	132.6	0.0	0.0	0.0
423 DL	7.2	69.1	55.4	0.29	0.006	0.110	0.15	7.27	48.50	39.83	20.29	0.0	0.002	6.8	2.55	14.04	132.8	0.0	0.0	0.0
424 DL	7.9	104.5	68.9	0.38	0.006	0.167	0.18	9.45	48.50	31.44	19.70	0.0	0.002	8.4	2.41	16.98	132.9	0.0	0.0	0.0
425 DL	9.1	136.8	101.1	0.49	0.007	0.219	0.27	12.31	48.50	24.71	19.25	0.0	0.003	10.2	2.26	16.83	133.0	0.0	0.0	0.0
426 DL	10.7	147.5	154.0	0.64	0.009	0.236	0.40	16.17	48.49	19.26	18.91	0.0	0.003	12.4	2.10	15.68	133.0	0.0	0.0	0.0
427 DL	12.5	135.8	196.9	0.82	0.010	0.217	0.52	20.67	48.49	15.33	18.68	0.0	0.004	15.7	2.09	12.95	133.2	0.0	0.0	0.0
428 DL	14.3	114.9	206.9	0.99	0.011	0.184	0.54	24.75	48.46	12.94	18.54	0.0	0.005	17.8	1.99	9.97	133.2	0.0	0.0	0.0
429 DL	15.3	91.9	152.7	1.10	0.012	0.147	0.40	27.61	48.44	11.66	18.47	0.0	0.005	19.7	1.99	8.64	133.2	0.0	0.0	0.0
430 DL	15.0	72.8	84.6	1.09	0.012	0.116	0.22	27.44	48.37	11.74	18.47	0.0	0.005	19.8	2.02	7.08	133.3	0.0	0.0	0.0
431 DL	13.8	62.5	64.0	0.96	0.011	0.100	0.17	24.06	48.37	13.34	18.57	0.0	0.006	20.2	2.36	4.47	133.5	0.0	0.0	0.0
432 DL	12.5	56.0	56.3	0.82	0.010	0.089	0.15	20.56	48.39	15.49	18.70	0.0	0.006	20.3	2.77	4.61	133.7	0.0	0.0	0.0
433 DL	11.2	48.8	45.3	0.72	0.009	0.078	0.12	17.97	48.40	17.60	18.83	0.0	0.006	20.2	3.16	4.90	133.9	0.0	0.0	0.0
434 DL	10.1	40.7	34.3	0.63	0.008	0.065	0.09	15.86	48.40	19.81	18.97	0.0	0.006	19.9	3.53	4.05	134.1	0.0	0.0	0.0
435 DL	9.4	33.3	28.8	0.55	0.007	0.053	0.08	13.85	48.41	22.50	19.14	0.0	0.006	20.0	4.06	3.09	134.3	0.0	0.0	0.0
436 DL	8.9	27.4	27.7	0.48	0.007	0.044	0.07	12.02	48.41	25.65	19.34	0.0	0.006	20.0	4.68	3.03	134.5	0.0	0.0	0.0
437 DL	8.5	23.6	28.2	0.42	0.007	0.038	0.07	10.56	48.43	28.86	19.56	0.0	0.006	20.1	5.34	3.27	134.8	0.0	0.0	0.0
438 DL	8.3	21.6	28.9	0.38	0.007	0.034	0.08	9.60	48.42	31.44	19.74	0.0	0.006	20.2	5.89	3.56	135.0	0.0	0.0	0.0
439 DL	8.2	20.4	29.9	0.36	0.006	0.033	0.08	9.09	48.42	33.02	19.84	0.0	0.006	20.3	6.26	3.81	135.2	0.0	0.0	0.0
440 DL	8.0	19.4	30.8	0.35	0.006	0.031	0.08	8.82	48.42	33.89	19.91	0.0	0.006	20.4	6.47	4.06	135.4	0.0	0.0	0.0
441 DL	7.9	18.4	30.8	0.34	0.006	0.029	0.08	8.65	48.43	34.52	19.95	0.0	0.006	20.5	6.66	4.38	135.6	0.0	0.0	0.0
442 DL	7.8	16.9	28.9	0.34	0.006	0.027	0.08	8.43	48.44	35.31	20.01	0.0	0.006	20.4	6.81	4.51	135.8	0.0	0.0	0.0
443 DL	7.7	15.1	23.4	0.32	0.006	0.024	0.06	8.08	48.44	36.71	20.10	0.0	0.006	20.0	6.97	4.25	135.9	0.0	0.0	0.0
444 DL	7.6	13.5	18.8	0.30	0.006	0.022	0.05	7.52	48.44	39.12	20.28	0.0	0.006	19.9	7.44	3.13	136.0	0.0	0.0	0.0
445 DL	7.5	12.4	17.9	0.28	0.006	0.020	0.05	6.94	48.44	41.95	20.48	0.0	0.006	19.9	8.04	2.61	136.1	0.0	0.0	0.0
446 DL	7.5	11.6	19.6	0.26	0.006	0.019	0.05	6.52	48.45	44.23	20.65	0.0	0.006	19.9	8.56	2.60	136.2	0.0	0.0	0.0
447 DL	7.5	11.2	22.2	0.25	0.006	0.018	0.06	6.31	48.45	45.53	20.75	0.0	0.006	19.9	8.87	2.91	136.3	0.0	0.0	0.0
448 DL	7.4	10.7	22.9	0.25	0.006	0.017	0.06	6.23	48.45	46.04	20.79	0.0	0.006	20.0	9.03	3.31	136.4	0.0	0.0	0.0
449 DL	7.3	10.2	21.0	0.24	0.006	0.016	0.06	6.14	48.45	46.58	20.83	0.0	0.005	18.9	8.72	3.77	136.6	0.0	0.0	0.0
450 DL	7.1	9.8	15.9	0.24	0.006	0.016	0.04	5.91	48.46	48.15	20.95	0.0	0.004	14.7	7.04	3.74	136.7	0.0	0.0	0.0
451 DL	7.0	9.4	11.5	0.22	0.006	0.015	0.03	5.44	48.46	51.64	21.22	0.0	0.003	10.9	5.75	2.86	136.7	0.0	0.0	0.0
452 DL	6.9	8.9	10.8	0.19	0.005	0.014	0.03	4.87	48.46	56.60	21.62	0.0	0.002	8.1	4.73	2.80	136.8	0.0	0.0	0.0
453 DL	6.7	8.1	10.7	0.17	0.005	0.013	0.03	4.38	48.48	61.70	22.05	0.0	0.002	5.3	3.52	3.26	136.9	0.0	0.0	0.0
454 DL	6.4	7.4	11.8	0.16	0.005	0.012	0.03	3.99	48.47	66.49	22.47	0.0	0.001	2.9	2.09	3.25	136.9	0.0	0.0	0.0
455 DL	6.2	7.1	12.8	0.15	0.005	0.011	0.03	3.75	48.47	69.70	22.76	0.0	0.000	1.4	1.09	3.56	137.0	0.0	0.0	0.0
456 DL	6.0	7.0	13.8	0.15	0.005	0.011	0.04	3.66	48.48	70.97	22.88	0.0	0.000	0.3	0.24	4.08	137.1	0.0	0.0	0.0
457 DL	5.9	7.1	14.9	0.15	0.005	0.011	0.04	3.67	48.48	70.86	22.87	0.0	0.000	0.0	0.02	4.29	137.2	0.0	0.0	0.0
458 DL	5.7	7.2	15.4	0.15	0.005	0.011	0.04	3.73	48.49	70.00	22.79	0.0	0.000	0.0	1.33	4.59	137.4	0.0	0.0	0.0

459	DL	5.6	8.1	16.9	0.15	0.004	0.013	0.04	3.80	48.50	69.05	22.70	0.0	0.000	0.0	1.35	4.85	137.5	0.0	0.0	0.0
460	DL	5.7	13.5	22.3	0.16	0.004	0.022	0.06	3.95	48.50	66.76	22.49	0.0	0.000	0.9	0.55	4.88	137.6	0.0	0.0	0.0
461	DL	6.1	25.6	33.3	0.18	0.005	0.041	0.09	4.48	48.50	60.17	21.90	0.0	0.001	4.0	2.44	5.97	137.7	0.0	0.0	0.0
462	DL	6.7	43.4	44.2	0.22	0.005	0.069	0.12	5.62	48.50	49.85	21.05	0.0	0.001	5.2	2.51	11.31	137.7	0.0	0.0	0.0
463	DL	7.3	68.8	55.6	0.29	0.006	0.110	0.15	7.20	48.50	40.11	20.31	0.0	0.002	6.7	2.55	14.42	137.7	0.0	0.0	0.0
464	DL	8.1	103.5	69.9	0.37	0.006	0.165	0.18	9.19	48.49	32.21	19.75	0.0	0.002	8.3	2.47	17.16	137.7	0.0	0.0	0.0
465	DL	9.2	136.3	103.5	0.47	0.007	0.218	0.27	11.91	48.50	25.46	19.30	0.0	0.003	10.2	2.33	17.20	137.8	0.0	0.0	0.0
466	DL	10.8	145.5	152.8	0.64	0.009	0.233	0.40	16.09	48.50	19.38	18.92	0.0	0.003	12.3	2.10	15.32	137.9	0.0	0.0	0.0
467	DL	12.4	131.6	178.1	0.84	0.010	0.210	0.47	20.99	48.48	15.12	18.66	0.0	0.004	15.6	2.05	12.12	137.9	0.0	0.0	0.0
468	DL	13.8	112.1	184.5	0.98	0.011	0.179	0.48	24.71	48.45	12.95	18.54	0.0	0.005	17.3	1.94	8.13	138.0	0.0	0.0	0.0
469	DL	15.0	93.0	161.7	1.08	0.012	0.149	0.42	27.02	48.43	11.90	18.48	0.0	0.005	19.1	1.97	6.31	138.1	0.0	0.0	0.0
470	DL	15.1	74.4	102.1	1.10	0.012	0.119	0.27	27.49	48.40	11.72	18.47	0.0	0.006	20.0	2.05	5.88	138.2	0.0	0.0	0.0
471	DL	14.0	58.1	62.4	1.00	0.011	0.093	0.16	25.15	48.37	12.79	18.54	0.0	0.006	20.3	2.26	4.24	138.3	0.0	0.0	0.0
472	DL	12.6	45.5	44.3	0.85	0.010	0.073	0.12	21.27	48.38	15.04	18.67	0.0	0.005	19.5	2.58	3.21	138.6	0.0	0.0	0.0
473	DL	11.4	37.5	38.7	0.70	0.009	0.060	0.10	17.49	48.39	18.10	18.86	0.0	0.006	20.0	3.21	2.89	138.8	0.0	0.0	0.0
474	DL	10.4	33.2	38.0	0.59	0.008	0.053	0.10	14.72	48.41	21.26	19.06	0.0	0.006	20.2	3.85	3.94	139.1	0.0	0.0	0.0
475	DL	9.6	29.9	34.9	0.52	0.008	0.048	0.09	13.02	48.41	23.80	19.23	0.0	0.006	20.1	4.33	4.84	139.3	0.0	0.0	0.0
476	DL	9.0	26.4	29.0	0.47	0.007	0.042	0.08	11.85	48.41	25.97	19.37	0.0	0.006	19.8	4.70	4.41	139.5	0.0	0.0	0.0
477	DL	8.6	22.9	25.9	0.43	0.007	0.037	0.07	10.79	48.42	28.30	19.52	0.0	0.006	19.9	5.18	3.32	139.7	0.0	0.0	0.0
478	DL	8.3	19.7	25.6	0.39	0.007	0.031	0.07	9.80	48.42	30.88	19.70	0.0	0.006	19.9	5.72	3.25	139.9	0.0	0.0	0.0
479	DL	8.2	17.2	26.0	0.36	0.006	0.027	0.07	8.95	48.42	33.50	19.88	0.0	0.006	19.9	6.26	3.39	140.1	0.0	0.0	0.0
480	DL	8.0	15.4	26.0	0.33	0.006	0.025	0.07	8.27	48.44	35.93	20.05	0.0	0.006	19.9	6.76	3.41	140.3	0.0	0.0	0.0
481	DL	7.9	14.5	25.5	0.31	0.006	0.023	0.07	7.80	48.43	37.83	20.18	0.0	0.006	19.9	7.17	3.34	140.5	0.0	0.0	0.0
482	DL	7.8	13.9	25.3	0.30	0.006	0.022	0.07	7.52	48.42	39.05	20.27	0.0	0.006	19.9	7.44	3.44	140.6	0.0	0.0	0.0
483	DL	7.7	13.2	25.3	0.29	0.006	0.021	0.07	7.35	48.43	39.87	20.33	0.0	0.006	19.9	7.62	3.47	140.7	0.0	0.0	0.0
484	DL	7.6	12.5	25.0	0.29	0.006	0.020	0.07	7.20	48.44	40.60	20.39	0.0	0.006	20.0	7.79	3.45	140.8	0.0	0.0	0.0
485	DL	7.5	11.7	25.1	0.28	0.006	0.019	0.07	7.04	48.44	41.41	20.45	0.0	0.006	20.0	7.97	3.42	140.9	0.0	0.0	0.0
486	DL	7.4	11.1	25.4	0.27	0.006	0.018	0.07	6.87	48.44	42.33	20.51	0.0	0.006	20.0	8.18	3.53	141.0	0.0	0.0	0.0
487	DL	7.3	10.7	25.1	0.27	0.006	0.017	0.07	6.71	48.45	43.16	20.57	0.0	0.006	20.0	8.36	3.55	141.1	0.0	0.0	0.0
488	DL	7.2	10.5	23.4	0.26	0.006	0.017	0.06	6.60	48.46	43.80	20.62	0.0	0.006	20.0	8.50	3.61	141.2	0.0	0.0	0.0
489	DL	7.1	10.1	19.8	0.26	0.006	0.016	0.05	6.45	48.45	44.66	20.69	0.0	0.005	18.7	8.22	3.58	141.3	0.0	0.0	0.0
490	DL	6.9	9.6	14.2	0.24	0.005	0.015	0.04	6.12	48.45	46.76	20.84	0.0	0.004	14.5	6.73	3.48	141.4	0.0	0.0	0.0
491	DL	6.9	9.2	11.0	0.22	0.005	0.015	0.03	5.53	48.46	50.97	21.17	0.0	0.003	10.3	5.28	2.53	141.5	0.0	0.0	0.0
492	DL	6.7	8.6	10.6	0.19	0.005	0.014	0.03	4.84	48.47	56.88	21.64	0.0	0.002	7.4	4.35	3.12	141.6	0.0	0.0	0.0
493	DL	6.5	7.9	11.2	0.17	0.005	0.013	0.03	4.29	48.46	62.72	22.14	0.0	0.001	4.4	3.01	3.78	141.6	0.0	0.0	0.0
494	DL	6.3	7.5	12.5	0.16	0.005	0.012	0.03	3.93	48.47	67.20	22.53	0.0	0.001	2.4	1.77	3.73	141.7	0.0	0.0	0.0
495	DL	6.1	7.3	13.4	0.15	0.005	0.012	0.04	3.78	48.47	69.29	22.72	0.0	0.000	1.4	1.05	4.08	141.8	0.0	0.0	0.0
496	DL	6.0	7.4	14.3	0.15	0.005	0.012	0.04	3.75	48.48	69.70	22.76	0.0	0.000	0.5	0.41	4.51	141.9	0.0	0.0	0.0
497	DL	5.8	7.3	15.0	0.15	0.005	0.012	0.04	3.78	48.48	69.24	22.72	0.0	0.000	0.0	0.02	4.78	142.0	0.0	0.0	0.0
498	DL	5.7	7.4	15.4	0.15	0.005	0.012	0.04	3.83	48.48	68.59	22.66	0.0	0.000	0.0	1.37	4.99	142.1	0.0	0.0	0.0
499	DL	5.6	8.3	17.0	0.15	0.004	0.013	0.04	3.88	48.49	67.93	22.60	0.0	0.000	0.0	1.38	5.21	142.2	0.0	0.0	0.0
500	DL	5.7	13.6	22.8	0.16	0.005	0.022	0.06	4.02	48.49	65.89	22.41	0.0	0.000	1.2	0.73	5.18	142.3	0.0	0.0	0.0
501	DL	6.2	26.0	33.2	0.18	0.005	0.042	0.09	4.54	48.49	59.55	21.85	0.0	0.001	4.0	2.43	6.36	142.4	0.0	0.0	0.0
502	DL	6.8	44.0	43.8	0.22	0.005	0.070	0.12	5.63	48.48	49.69	21.04	0.0	0.001	5.2	2.52	11.37	142.5	0.0	0.0	0.0
503	DL	7.3	69.3	54.6	0.29	0.006	0.111	0.14	7.17	48.48	40.25	20.32	0.0	0.002	6.7	2.55	14.52	142.5	0.0	0.0	0.0
504	DL	7.9	103.6	67.2	0.36	0.006	0.166	0.18	9.10	48.49	32.47	19.77	0.0	0.002	8.2	2.45	17.95	142.6	0.0	0.0	0.0
505	DL	8.9	139.6	92.6	0.46	0.007	0.223	0.24	11.63	48.49	25.98	19.33	0.0	0.003	10.0	2.34	17.48	142.7	0.0	0.0	0.0
506	DL	10.4	158.7	138.6	0.61	0.008	0.254	0.36	15.31	48.48	20.22	18.96	0.0	0.003	11.8	2.11	16.20	142.7	0.0	0.0	0.0
507	DL	12.4	154.2	188.1	0.80	0.010	0.246	0.49	20.04	48.48	15.76	18.70	0.0	0.004	15.0	2.04	13.56	142.7	0.0	0.0	0.0
508	DL	14.5	137.2	210.7	0.98	0.011	0.219	0.55	24.56	48.46	13.00	18.54	0.0	0.005	17.3	1.95	10.83	142.7	0.0	0.0	0.0
509	DL	16.4	116.5	200.1	1.12	0.013	0.186	0.53	28.02	48.43	11.48	18.45	0.0	0.005	19.2	1.91	9.45	142.7	0.0	0.0	0.0
510	DL	17.0	93.4	143.6	1.19	0.013	0.149	0.38	29.84	48.40	10.82	18.42	0.0	0.006	20.7	1.94	9.13	142.8	0.0	0.0	0.0
511	DL	15.9	71.6	80.3	1.14	0.013	0.114	0.21	28.50	48.34	11.32	18.45	0.0	0.006	21.3	2.10	6.84	142.9	0.0	0.0	0.0
512	DL	14.2	54.7	43.5	0.96	0.011	0.087	0.11	24.14	48.36	13.32	18.57	0.0	0.005	19.8	2.30	4.35	143.2	0.0	0.0	0.0
513	DL	12.7	44.0	35.1	0.77	0.010	0.070	0.09	19.22	48.38	16.56	18.76	0.0	0.006	20.4	2.98	3.22	143.4	0.0	0.0	0.0
514	DL	11.5	37.4	33.7	0.63	0.009	0.060	0.09	15.78	48.39	19.91	18.97	0.0	0.006	20.4	3.63	3.75	143.7	0.0	0.0	0.0
515	DL	10.5	32.3	29.2	0.55	0.008	0.052	0.08	13.73	48.40	22.66	19.15	0.0	0.006	20.1	4.12	4.02	143.9	0.0	0.0	0.0
516	DL	9.8	27.6	22.8	0.49	0.008	0.044	0.06	12.23	48.40	25.21	19.32	0.0	0.006	19.9	4.56	3.43	144.1	0.0	0.0	0.0
517	DL	9.3	23.3	20.0	0.43	0.007	0.037	0.05	10.80	48.41	28.27	19.52	0.0	0.006	19.9	5.16	2.76	144.4	0.0	0.0	0.0

518 DL	9.0	19.7	20.7	0.38	0.007	0.031	0.05	9.46	48.42	31.87	19.76	0.0	0.006	19.8	5.88	2.71	144.5	0.0	0.0	0.0
519 DL	8.8	17.4	22.9	0.33	0.007	0.028	0.06	8.39	48.43	35.47	20.01	0.0	0.006	19.9	6.64	2.89	144.7	0.0	0.0	0.0
520 DL	8.7	16.5	25.5	0.31	0.007	0.026	0.07	7.75	48.43	38.03	20.20	0.0	0.006	20.0	7.23	3.28	145.0	0.0	0.0	0.0
521 DL	8.5	16.2	27.6	0.30	0.007	0.026	0.07	7.52	48.43	39.03	20.27	0.0	0.006	20.1	7.48	3.79	145.1	0.0	0.0	0.0
522 DL	8.3	15.8	28.4	0.30	0.007	0.025	0.07	7.51	48.42	39.09	20.27	0.0	0.006	20.1	7.50	4.09	145.2	0.0	0.0	0.0
523 DL	8.2	15.1	28.6	0.30	0.006	0.024	0.07	7.53	48.43	39.00	20.27	0.0	0.006	20.1	7.49	4.13	145.3	0.0	0.0	0.0
524 DL	8.0	14.1	27.8	0.30	0.006	0.022	0.07	7.47	48.44	39.28	20.29	0.0	0.006	20.2	7.57	4.06	145.4	0.0	0.0	0.0
525 DL	7.9	12.9	26.3	0.29	0.006	0.021	0.07	7.32	48.44	40.01	20.34	0.0	0.006	20.1	7.70	3.91	145.5	0.0	0.0	0.0
526 DL	7.7	12.1	23.9	0.28	0.006	0.019	0.06	7.09	48.43	41.15	20.43	0.0	0.006	20.0	7.91	3.52	145.6	0.0	0.0	0.0
527 DL	7.6	11.4	23.0	0.27	0.006	0.018	0.06	6.83	48.45	42.54	20.53	0.0	0.006	20.0	8.21	3.21	145.7	0.0	0.0	0.0
528 DL	7.5	10.8	22.1	0.26	0.006	0.017	0.06	6.62	48.45	43.68	20.61	0.0	0.006	20.0	8.48	3.15	145.7	0.0	0.0	0.0
529 DL	7.3	10.1	19.6	0.26	0.006	0.016	0.05	6.43	48.45	44.83	20.70	0.0	0.005	18.6	8.22	3.38	145.8	0.0	0.0	0.0
530 DL	7.1	9.6	14.9	0.24	0.006	0.015	0.04	6.08	48.46	47.03	20.87	0.0	0.004	14.6	6.82	3.44	145.9	0.0	0.0	0.0
531 DL	7.1	9.2	11.5	0.22	0.006	0.015	0.03	5.46	48.46	51.53	21.21	0.0	0.003	10.4	5.49	2.74	146.0	0.0	0.0	0.0
532 DL	6.9	8.8	11.5	0.19	0.005	0.014	0.03	4.74	48.46	57.89	21.73	0.0	0.002	7.7	4.64	3.13	146.1	0.0	0.0	0.0
533 DL	6.7	8.4	11.6	0.17	0.005	0.013	0.03	4.23	48.47	63.35	22.19	0.0	0.001	5.0	3.37	3.94	146.2	0.0	0.0	0.0
534 DL	6.5	8.1	12.7	0.16	0.005	0.013	0.03	3.96	48.48	66.77	22.49	0.0	0.001	2.6	1.91	3.72	146.3	0.0	0.0	0.0
535 DL	6.3	7.8	13.6	0.15	0.005	0.012	0.04	3.86	48.48	68.19	22.62	0.0	0.000	1.1	0.83	4.00	146.4	0.0	0.0	0.0
536 DL	6.1	7.6	14.5	0.15	0.005	0.012	0.04	3.83	48.48	68.54	22.65	0.0	0.000	0.1	0.12	4.42	146.4	0.0	0.0	0.0
537 DL	6.0	7.5	15.0	0.15	0.005	0.012	0.04	3.83	48.48	68.58	22.66	0.0	0.000	0.0	0.01	4.57	146.6	0.0	0.0	0.0
538 DL	5.8	7.4	15.6	0.15	0.005	0.012	0.04	3.83	48.49	68.59	22.66	0.0	0.000	0.0	1.37	4.84	146.8	0.0	0.0	0.0
539 DL	5.7	8.1	17.1	0.15	0.005	0.013	0.04	3.85	48.49	68.32	22.63	0.0	0.000	0.0	1.37	4.82	146.8	0.0	0.0	0.0
540 DL	5.8	13.1	22.8	0.16	0.005	0.021	0.06	3.98	48.49	66.45	22.46	0.0	0.000	0.7	0.47	4.78	146.9	0.0	0.0	0.0
541 DL	6.3	25.7	34.2	0.18	0.005	0.041	0.09	4.46	48.50	60.44	21.92	0.0	0.001	4.0	2.43	6.01	147.1	0.0	0.0	0.0
542 DL	6.9	45.6	45.8	0.22	0.005	0.073	0.12	5.56	48.49	50.24	21.08	0.0	0.001	5.2	2.55	11.16	147.1	0.0	0.0	0.0
543 DL	7.5	75.8	57.8	0.29	0.006	0.121	0.15	7.25	48.50	39.82	20.29	0.0	0.002	6.8	2.55	14.60	147.2	0.0	0.0	0.0
544 DL	8.2	114.0	75.2	0.38	0.007	0.182	0.20	9.57	48.49	31.06	19.67	0.0	0.002	8.5	2.40	17.74	147.2	0.0	0.0	0.0
545 DL	9.4	142.4	111.3	0.51	0.007	0.228	0.29	12.72	48.49	23.98	19.20	0.0	0.003	10.4	2.24	17.06	147.2	0.0	0.0	0.0
546 DL	11.0	142.4	150.7	0.67	0.009	0.228	0.40	16.79	48.49	18.60	18.87	0.0	0.003	12.7	2.07	15.04	147.2	0.0	0.0	0.0
547 DL	12.3	124.2	160.4	0.82	0.010	0.198	0.42	20.67	48.47	15.32	18.68	0.0	0.004	15.6	2.09	10.71	147.2	0.0	0.0	0.0
548 DL	13.6	105.9	165.0	0.93	0.011	0.169	0.43	23.28	48.44	13.70	18.58	0.0	0.005	17.1	2.04	6.76	147.1	0.0	0.0	0.0
549 DL	15.0	89.2	153.8	1.01	0.012	0.142	0.40	25.25	48.43	12.70	18.53	0.0	0.005	18.8	2.07	5.41	147.1	0.0	0.0	0.0
550 DL	15.2	72.9	108.4	1.05	0.012	0.116	0.28	26.29	48.40	12.23	18.50	0.0	0.006	19.9	2.13	5.30	147.3	0.0	0.0	0.0
551 DL	14.4	61.2	78.3	0.99	0.011	0.098	0.21	24.88	48.37	12.91	18.54	0.0	0.006	20.7	2.33	4.24	147.5	0.0	0.0	0.0
552 DL	13.1	53.5	62.8	0.88	0.010	0.085	0.16	22.00	48.38	14.53	18.64	0.0	0.006	20.7	2.64	4.14	147.8	0.0	0.0	0.0
553 DL	11.8	45.7	45.7	0.76	0.009	0.073	0.12	19.14	48.39	16.60	18.77	0.0	0.006	20.2	2.97	4.42	148.0	0.0	0.0	0.0
554 DL	10.7	37.3	32.7	0.65	0.008	0.060	0.09	16.42	48.40	19.19	18.93	0.0	0.006	20.1	3.44	3.50	148.2	0.0	0.0	0.0
555 DL	9.9	30.3	27.6	0.55	0.008	0.048	0.07	13.86	48.41	22.49	19.14	0.0	0.006	20.2	4.08	3.08	148.4	0.0	0.0	0.0
556 DL	9.4	25.5	26.2	0.47	0.007	0.041	0.07	11.75	48.41	26.20	19.38	0.0	0.006	20.1	4.81	3.13	148.6	0.0	0.0	0.0
557 DL	9.0	22.4	25.4	0.41	0.007	0.036	0.07	10.29	48.41	29.53	19.60	0.0	0.006	20.1	5.48	3.28	148.8	0.0	0.0	0.0
558 DL	8.7	20.0	24.8	0.37	0.007	0.032	0.06	9.39	48.42	32.07	19.78	0.0	0.006	20.0	5.99	3.33	149.0	0.0	0.0	0.0
559 DL	8.6	17.9	24.3	0.35	0.007	0.029	0.06	8.75	48.43	34.17	19.92	0.0	0.006	20.0	6.44	3.24	149.2	0.0	0.0	0.0
560 DL	8.4	15.8	24.1	0.33	0.007	0.025	0.06	8.20	48.42	36.19	20.07	0.0	0.006	20.0	6.86	3.26	149.3	0.0	0.0	0.0
561 DL	8.3	14.3	24.0	0.31	0.007	0.023	0.06	7.68	48.43	38.36	20.22	0.0	0.006	20.1	7.33	3.32	149.5	0.0	0.0	0.0
562 DL	8.2	13.4	24.7	0.29	0.006	0.021	0.06	7.26	48.43	40.29	20.36	0.0	0.006	20.1	7.76	3.43	149.6	0.0	0.0	0.0
563 DL	8.1	12.9	25.6	0.21	0.006	0.021	0.07	5.30	48.43	******	20.45	0.0	0.006	20.1	10.65	3.60	149.6	0.0	0.0	0.0
564 DL	8.0	12.7	25.8	0.28	0.006	0.020	0.07	6.95	48.44	41.88	20.48	0.0	0.006	20.1	8.14	3.75	149.8	0.0	0.0	0.0
565 DL	7.9	12.1	24.8	0.27	0.006	0.019	0.06	6.90	48.44	42.14	20.50	0.0	0.006	20.0	8.16	3.72	149.9	0.0	0.0	0.0
566 DL	7.8	11.3	23.5	0.27	0.006	0.018	0.06	6.78	48.45	42.81	20.55	0.0	0.006	20.0	8.30	3.51	150.0	0.0	0.0	0.0
567 DL	7.7	10.7	23.5	0.26	0.006	0.017	0.06	6.59	48.45	43.85	20.63	0.0	0.006	20.0	8.54	3.29	150.1	0.0	0.0	0.0
568 DL	7.6	10.2	22.7	0.25	0.006	0.016	0.06	6.40	48.45	44.97	20.71	0.0	0.006	20.1	8.83	3.43	150.1	0.0	0.0	0.0
569 DL	7.5	9.8	20.5	0.25	0.006	0.016	0.05	6.20	48.45	46.22	20.80	0.0	0.005	18.7	8.57	3.60	150.2	0.0	0.0	0.0
570 DL	7.3	9.5	14.6	0.23	0.006	0.015	0.04	5.90	48.45	48.24	20.96	0.0	0.004	14.9	7.18	3.51	150.3	0.0	0.0	0.0
571 DL	7.4	9.2	11.0	0.21	0.006	0.015	0.03	5.35	48.45	52.38	21.28	0.0	0.003	11.0	5.91	2.62	150.4	0.0	0.0	0.0
572 DL	7.3	8.8	11.0	0.19	0.006	0.014	0.03	4.73	48.45	57.93	21.73	0.0	0.002	8.2	4.92	2.98	150.5	0.0	0.0	0.0
573 DL	7.1	8.1	11.1	0.17	0.006	0.013	0.03	4.26	48.47	63.09	22.17	0.0	0.002	5.5	3.70	3.54	150.7	0.0	0.0	0.0
574 DL	6.9	7.6	12.1	0.15	0.005	0.012	0.03	3.89	48.47	67.70	22.58	0.0	0.001	3.0	2.24	3.47	150.7	0.0	0.0	0.0
575 DL	6.7	7.3	13.2	0.15	0.005	0.012	0.03	3.67	48.47	70.80	22.86	0.0	0.000	1.5	1.23	3.97	150.8	0.0	0.0	0.0
576 DL	6.4	7.2	14.1	0.14	0.005	0.012	0.04	3.60	48.47	71.92	22.96	0.0	0.000	0.6	0.52	4.37	150.9	0.0	0.0	0.0

577 DL	6.2	7.3	15.0	0.14	0.005	0.012	0.04	3.62	48.47	71.56	22.93	0.0	0.000	0.1	0.04	4.73	150.9	0.0	0.0	0.0
578 DL	6.1	7.3	15.5	0.15	0.005	0.012	0.04	3.70	48.48	70.49	22.83	0.0	0.000	0.0	0.00	5.00	151.1	0.0	0.0	0.0
579 DL	5.9	7.3	15.8	0.15	0.005	0.012	0.04	3.77	48.49	69.47	22.74	0.0	0.000	0.0	1.34	5.04	151.2	0.0	0.0	0.0

#1058

Test #: 1058 Cold Start CBD

Date: 5/10/94

Test cycle results

CO (g/mi) = 3.17

CO2 (g/mi) = 148.75

NOx (g/mi) = 6.88

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT INL1	FT INL2	Temp (F)	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
06:37:31	-1.71	0.02	5.86	29.30	21.98	69.55	666.10							
06:37:32	-8.67	0.02	5.86	34.19	21.98	69.55	678.81							
06:37:33	-8.67	0.02	5.37	37.85	21.98	69.55	664.07							
06:37:34	-8.67	0.02	5.86	41.51	23.20	69.55	664.07	3.8234	3.8246	0.3392	0.0000	0.0000	0.0001	0.0001
06:37:35	-8.67	0.04	5.86	42.74	24.42	69.55	654.41	4.4607	4.4620	0.1131	0.0000	0.0000	0.0001	0.0001
06:37:36	-8.67	0.04	5.86	46.40	25.64	69.55	656.95	4.9386	4.9401	0.0000	0.0000	0.0001	0.0001	0.0001
06:37:37	-8.67	0.04	5.86	47.62	26.86	69.55	613.22	5.4165	5.4182	0.0000	-0.0001	0.0001	0.0001	0.0001
06:37:38	-8.67	0.04	5.86	52.50	26.86	69.31	613.22	5.5759	5.5784	0.1131	-0.0001	0.0001	0.0001	0.0002
06:37:39	-8.67	0.04	5.86	56.17	28.08	69.31	609.15	6.0538	6.0566	0.1131	-0.0001	0.0002	0.0002	0.0002
06:37:40	-8.67	0.04	5.86	56.17	28.08	69.31	606.61	6.2131	6.2159	0.1131	-0.0002	0.0002	0.0002	0.0002
06:37:41	-8.67	0.04	5.37	58.61	29.30	69.31	602.03	6.8503	6.8535	0.1131	-0.0002	0.0002	0.0002	0.0003
06:37:42	-0.73	0.04	5.37	62.27	30.53	69.31	604.58	7.3283	7.3316	0.1131	-0.0002	0.0003	0.0003	0.0003
06:37:43	-0.73	0.04	5.37	62.27	30.53	69.31	604.58	7.3283	7.3316	0.0000	-0.0003	0.0003	0.0003	0.0003
06:37:44	-0.61	0.04	5.37	64.71	30.53	69.07	604.58	7.6469	7.6504	0.1131	-0.0003	0.0003	0.0003	0.0003
06:37:45	-0.61	0.04	5.37	69.60	32.97	69.31	606.10	8.1248	8.1287	0.1131	-0.0003	0.0004	0.0003	0.0003
06:37:46	-0.61	0.04	5.86	70.82	32.97	69.31	604.58	8.1248	8.1287	0.1131	-0.0003	0.0004	0.0004	0.0004
06:37:47	-0.73	0.04	5.86	73.26	32.97	69.31	604.58	8.4434	8.4474	0.1131	-0.0003	0.0005	0.0004	0.0004
06:37:48	-0.61	0.04	5.86	74.48	34.19	69.07	604.58	9.0807	9.0850	0.0000	-0.0003	0.0005	0.0004	0.0004
06:37:49	-0.61	0.04	5.86	74.48	34.19	69.07	604.58	9.2400	9.2444	0.0000	-0.0003	0.0006	0.0004	0.0004
06:37:50	-0.61	0.02	5.86	75.70	35.41	69.31	604.58	9.5586	9.5631	0.1131	-0.0003	0.0006	0.0004	0.0004
06:37:51	-0.61	0.02	5.86	75.70	36.63	69.07	604.58	9.7179	9.7225	0.1131	-0.0003	0.0007	0.0005	0.0005
06:37:52	-0.12	0.02	5.86	80.59	42.74	68.82	752.54	9.7179	9.7225	0.1131	-0.0003	0.0007	0.0005	0.0005
06:37:53	-0.12	0.02	5.86	80.59	42.74	68.82	752.54	9.8772	9.8803	0.1131	-0.0003	0.0008	0.0005	0.0005
06:37:54	-0.12	0.04	5.86	87.91	48.84	68.82	782.54	9.8772	9.8803	0.1131	-0.0003	0.0008	0.0005	0.0006
06:37:55	-0.12	0.05	5.86	92.80	53.72	68.34	796.27	10.5145	10.5178	0.0000	-0.0003	0.0009	0.0005	0.0006
06:37:56	-0.12	0.06	5.86	95.24	56.17	68.34	786.10	10.5145	10.5178	0.0000	-0.0003	0.0009	0.0005	0.0006
06:37:57	-0.12	0.08	5.86	98.90	58.61	68.34	793.73	11.4703	11.4758	0.1131	-0.0003	0.0010	0.0006	0.0006
06:37:58	-0.12	0.11	5.86	101.34	61.05	68.34	813.56	12.1076	12.1152	1.1308	-0.0003	0.0010	0.0010	0.0009
06:37:59	-0.12	0.14	5.86	105.01	63.49	68.34	837.46	12.4262	12.4360	1.9224	-0.0003	0.0011	0.0020	0.0014
06:38:00	-0.12	0.21	5.86	113.55	67.16	68.34	863.39	12.9041	12.9184	2.4878	-0.0003	0.0012	0.0038	0.0021
06:38:01	-0.12	0.26	5.86	118.44	69.60	68.34	863.39	13.2227	13.2430	2.8270	-0.0003	0.0012	0.0065	0.0029
06:38:02	31.75	0.35	5.86	123.32	72.04	68.34	900.51	13.7007	13.7267	3.1663	-0.0003	0.0013	0.0103	0.0038
06:38:03	31.75	0.43	93.28	130.65	75.70	68.10	934.58	14.8158	14.8581	3.7317	-0.0003	0.0014	0.0171	0.0048
06:38:04	31.75	0.50	93.28	139.19	76.92	68.10	957.97	15.4531	15.5069	4.0709	-0.0003	0.0015	0.0261	0.0060
06:38:05	31.75	0.63	93.28	153.85	80.59	68.10	996.61	16.0903	16.1677	4.4102	-0.0001	0.0016	0.0395	0.0072
06:38:06	31.75	0.72	93.28	164.84	83.03	68.34	1023.05	17.0462	17.1462	5.2017	0.0002	0.0030	0.0587	0.0086
06:38:07	31.75	0.72	93.28	164.84	83.03	68.34	1023.05	18.1614	18.2843	5.4279	0.0006	0.0045	0.0818	0.0101
06:38:08	31.75	0.97	92.80	191.70	89.13	68.34	1101.36	20.0731	20.2451	5.9933	0.0009	0.0062	0.1142	0.0118
06:38:09	31.75	0.97	92.80	191.70	89.13	68.34	1101.36	21.5069	21.7174	6.4456	0.0013	0.0081	0.1541	0.0136
06:38:10	31.75	1.07	93.28	203.91	91.58	68.10	1147.12	21.5069	21.7174	6.4456	0.0017	0.0099	0.1939	0.0154
06:38:11	31.75	1.24	93.28	225.89	98.90	68.34	1227.97	25.0117	25.3429	7.2372	0.0021	0.0120	0.2544	0.0174
06:38:12	31.75	1.33	93.28	251.53	107.45	68.34	1291.02	25.0117	25.3429	7.2372	0.0025	0.0141	0.3150	0.0194
06:38:13	92.31	1.50	182.17	332.11	125.76	68.34	1400.85	26.6048	26.9911	7.6895	0.0030	0.0164	0.3855	0.0215
06:38:14	92.31	1.71	181.68	501.83	162.39	68.10	1572.20	29.4724	29.9694	8.2549	0.0035	0.0189	0.4734	0.0238
06:38:15	92.31	1.85	181.68	747.25	207.57	68.10	1714.07	32.8179	33.4133	8.8203	0.0041	0.0217	0.5744	0.0263
06:38:16	92.19	1.96	181.68	974.36	258.85	68.58	1642.37	43.3324	44.2230	9.7250	0.0064	0.0289	0.6998	0.0290
06:38:17	92.19	2.11	181.68	1224.66	346.76	68.10	1742.04	65.4765	67.0079	11.1950	0.0097	0.0399	0.8641	0.0321
06:38:18	92.19	2.32	181.68	1704.52	582.42	68.34	1846.27	97.4978	99.9766	13.0043	0.0148	0.0562	1.0716	0.0357
06:38:19	92.19	2.46	181.68	1975.58	754.58	70.28	1882.37	127.1295	130.5526	15.2659	0.0214	0.0776	1.3295	0.0400
06:38:20	92.19	2.66	182.17	2189.25	853.48	69.31	960.00	159.7880	164.4080	16.7360	0.0297	0.1044	1.6331	0.0446
06:38:21	92.19	2.80	181.68	1363.86	632.48	69.55	638.10	222.3969	229.4610	19.1107	0.0413	0.1419	2.0137	0.0499
06:38:22	188.03	2.93	182.17	842.49	437.12	69.31	691.02	257.7637	266.4789	20.5807	0.0547	0.1855	2.4499	0.0556
06:38:23	188.03	3.11	294.51	528.69	264.96	69.31	642.20	285.6430	296.0716	18.9976	0.0697	0.2340	2.8844	0.0609
06:38:24	188.03	3.11	294.51	528.69	264.96	69.31	642.20	177.9494	184.7827	13.5697	0.0790	0.2642	3.2107	0.0647
06:38:25	188.03	3.38	294.51	222.22	146.52	69.07	626.95	109.9240	114.3675	10.1773	0.0908	0.2829	3.4671	0.0675
06:38:26	188.03	3.55	294.51	161.17	108.67	69.31	625.42	68.9813	71.9454	5.2017	0.0982	0.3019	3.6064	0.0689
06:38:27	188.03	3.65	294.02	139.19	97.68	69.31	622.88	68.9813	71.9454	5.2017	0.1056	0.3210	3.7456	0.0704
06:38:28	188.03	3.81	294.51	124.54	90.35	69.07	621.86	28.9944	30.3490	1.1308	0.1087	0.3290	3.7785	0.0707
06:38:29	188.03	3.91	294.02	112.33	84.25	69.07	624.92	21.0289	22.0606	0.0000	0.1110	0.3349	3.7785	0.0707

1 K1	1	unitless	for flow calc	
2 K2	1	unitless	for NOx calc (expl deriv.)	K2=1/(1-0.0047*(H-75))
3 CO density	32.85	gm/ft^3	T=70 F, P=760 mmHG	H=grains of water/lbm dry air
4 NOx density	53.96	gm/ft^3	T=70 F, P=760 mmHG	
5 Rhc	1.8	unitless	Diesel #2	
6 Ywi	0.03	unitless	for humidity comp. (from chart)	
7 gear ratio	3.58	unitless		
8 axle rev	16	pulses		
9 tire	114	inches		
10 interval	1	seconds		
11 CO2 density	51.61	gm/ft^3	T=70 F, P=760 mmHG	
12 FF1	0.5			
13 FF2	0			

06:38:30	188.03	3.99	294.51	107.45	80.59	69.07	624.92	18.1614	19.0790	0.1131	0.1129	0.3399	3.7821	0.0707
06:38:31	188.03	3.99	294.51	107.45	80.59	69.07	624.92	16.2496	17.1062	0.0000	0.1147	0.3445	3.7821	0.0707
06:38:32	281.32	4.27	294.51	102.56	76.92	69.07	678.31	14.6565	15.4491	0.0000	0.1163	0.3485	3.7821	0.0707
06:38:33	281.20	4.39	406.35	106.23	75.70	68.34	892.37	14.0193	14.7943	0.1131	0.1178	0.3525	3.7859	0.0708
06:38:34	281.20	4.54	406.35	119.66	79.37	68.10	946.78	14.0193	14.7943	0.1131	0.1193	0.3564	3.7898	0.0708
06:38:35	281.20	4.63	406.35	129.43	81.81	68.10	983.90	13.3820	14.1762	0.0000	0.1215	0.3601	3.7898	0.0708
06:38:36	281.20	4.78	406.35	142.86	86.69	68.10	1040.85	13.8600	14.7061	3.1663	0.1238	0.3655	3.9095	0.0717
06:38:37	281.32	4.85	406.35	162.39	87.91	68.10	1092.20	15.6124	16.5972	4.1840	0.1263	0.3716	4.0728	0.0728
06:38:38	281.20	4.93	405.86	179.49	90.35	68.10	1142.54	16.8869	17.9734	4.7494	0.1291	0.3781	4.2618	0.0742
06:38:39	281.20	4.93	405.86	179.49	90.35	68.10	1142.54	18.6393	19.8776	5.7671	0.1322	0.3854	4.4987	0.0758
06:38:40	281.32	5.04	406.35	202.69	96.48	67.86	1223.39	21.1882	22.6192	6.3325	0.1356	0.3937	4.7631	0.0775
06:38:41	281.32	5.24	405.86	252.75	125.76	68.10	1415.59	23.4186	25.0247	7.0110	0.1395	0.4028	5.0602	0.0795
06:38:42	407.20	5.33	406.35	365.08	142.86	67.86	1514.24	23.4186	25.0247	7.0110	0.1433	0.4119	5.3574	0.0814
06:38:43	407.20	5.41	432.23	504.27	166.06	67.86	1645.93	26.4455	28.3016	8.0287	0.1477	0.4223	5.7056	0.0836
06:38:44	407.33	5.52	432.23	874.24	246.64	68.34	1662.20	32.9772	35.3847	9.6119	0.1532	0.4352	6.1388	0.0863
06:38:45	407.20	5.58	432.23	1163.61	326.01	67.86	1735.43	47.6337	51.1862	10.6296	0.1646	0.4539	6.6265	0.0893
06:38:46	407.20	5.67	432.23	1699.63	539.68	68.34	1850.34	65.7951	70.7750	11.6473	0.1803	0.4814	7.1687	0.0925
06:38:47	407.20	5.70	431.75	2023.20	741.15	69.07	1893.56	114.0660	122.8766	14.5874	0.2077	0.5292	7.8615	0.0966
06:38:48	407.20	5.70	431.75	2023.20	741.15	69.07	1893.56	151.8225	163.6673	16.2836	0.2442	0.5928	8.6425	0.1011
06:38:49	407.20	5.77	431.75	2343.10	1008.55	68.82	1101.87	221.7596	239.3439	18.7714	0.2976	0.6858	9.5573	0.1063
06:38:50	407.20	5.78	432.23	1568.99	720.39	69.07	1012.88	263.9769	285.0554	20.3545	0.3611	0.7965	10.5562	0.1120
06:38:51	407.33	5.78	432.23	1045.18	444.44	68.34	960.00	263.9769	285.0554	20.3545	0.4247	0.9072	11.5550	0.1176
06:38:52	460.07	5.78	432.23	578.75	329.67	68.34	953.39	305.7161	330.3993	22.8423	0.4984	1.0355	12.6882	0.1239
06:38:53	459.95	5.78	460.56	410.26	257.63	68.10	947.80	204.7134	221.2873	22.0508	0.5477	1.1215	13.7850	0.1301
06:38:54	460.07	5.76	460.56	282.05	190.48	68.34	933.05	136.3693	147.4100	20.9200	0.5806	1.1788	14.8257	0.1359
06:38:55	460.07	5.76	460.56	282.05	190.48	68.34	933.05	75.5130	81.6345	20.6938	0.6011	1.2105	15.8550	0.1416
06:38:56	460.07	5.73	460.56	240.54	161.17	68.34	927.46	53.5282	57.8675	20.6938	0.6157	1.2345	16.8844	0.1474
06:38:57	460.07	5.70	460.56	188.03	116.00	68.58	920.34	36.8006	39.7737	20.3545	0.6257	1.2510	17.8935	0.1530
06:38:58	460.07	5.67	460.56	175.82	105.01	68.82	920.34	36.8006	39.7737	20.3545	0.6357	1.2675	18.9026	0.1587
06:38:59	460.20	5.65	460.56	164.84	97.68	68.82	920.34	31.3841	33.9056	20.3545	0.6443	1.2815	19.9062	0.1643
06:39:00	460.07	5.63	460.56	162.39	95.24	68.82	914.24	24.5338	26.4926	20.1284	0.6510	1.2925	20.8925	0.1699
06:39:01	460.20	5.60	460.56	158.73	94.02	69.55	717.97	22.9406	24.7634	20.1284	0.6572	1.3027	21.8742	0.1755
06:39:02	499.51	5.60	460.56	139.19	87.91	69.07	697.12	21.5069	23.2109	20.1284	0.6630	1.3124	22.8531	0.1811
06:39:03	499.39	5.59	466.91	128.98	86.69	68.82	673.22	21.1882	22.8600	20.0153	0.6688	1.3218	23.8225	0.1867
06:39:04	499.39	5.59	467.40	118.44	84.25	69.07	655.93	20.7103	22.3363	15.4921	0.6744	1.3311	24.5692	0.1910
06:39:05	499.39	5.58	466.91	108.67	80.59	69.07	642.20	18.1614	19.5886	10.2904	0.6798	1.3392	25.0652	0.1938
06:39:06	499.51	5.59	467.40	108.23	76.92	69.07	642.20	16.5683	17.8666	7.6895	0.6847	1.3467	25.4348	0.1960
06:39:07	499.39	5.61	466.42	102.56	75.70	69.07	637.12	15.4531	16.6641	5.2017	0.6892	1.3537	25.6848	0.1974
06:39:08	499.39	5.62	466.91	102.56	73.26	69.07	639.66	14.1786	15.2874	1.5831	0.6934	1.3601	25.7607	0.1979
06:39:09	499.39	5.65	466.91	101.34	73.26	68.82	636.10	13.8600	14.9469	0.3392	0.6975	1.3664	25.7770	0.1980
06:39:10	499.51	5.68	466.91	100.12	72.04	68.82	638.14	13.3820	14.4344	0.0000	0.7014	1.3724	25.7770	0.1980
06:39:11	499.51	5.71	466.42	100.12	72.04	68.58	752.54	13.3820	14.4374	0.0000	0.7054	1.3785	25.7770	0.1980
06:39:12	499.51	5.71	466.42	100.12	72.04	68.58	752.54	13.2227	14.2700	0.1131	0.7093	1.3845	25.7825	0.1980
06:39:13	499.39	5.80	474.73	117.22	79.37	68.10	978.31	13.0634	14.1038	0.1131	0.7131	1.3904	25.7881	0.1980
06:39:14	499.39	5.82	474.73	133.09	84.25	67.86	1029.15	13.0634	14.1104	1.1308	0.7170	1.3963	25.8436	0.1983
06:39:15	499.51	5.90	475.21	161.17	89.13	68.10	1117.63	13.0634	14.1104	1.1308	0.7209	1.4023	25.8992	0.1986
06:39:16	499.39	5.93	475.21	180.71	95.24	67.86	1186.27	15.2938	16.5390	4.1840	0.7254	1.4093	26.1080	0.1998
06:39:17	499.51	5.99	475.21	201.47	106.23	68.10	1299.66	17.3648	18.7825	4.9756	0.7305	1.4173	26.3570	0.2012
06:39:18	499.27	6.00	475.21	241.76	129.43	68.10	1385.09	21.0289	22.7716	6.2194	0.7367	1.4271	26.6729	0.2029
06:39:19	499.39	6.00	475.21	298.70	150.18	68.10	1503.05	23.5779	25.5410	7.0110	0.7437	1.4380	27.0306	0.2049
06:39:20	499.39	6.02	475.21	296.70	150.18	68.10	1503.05	26.2862	28.4967	8.2549	0.7515	1.4502	27.4559	0.2072
06:39:21	499.51	6.02	474.73	775.34	271.06	68.58	1755.76	31.5434	34.2013	9.2726	0.7609	1.4648	27.9346	0.2097
06:39:22	499.51	6.00	474.73	1179.49	393.16	68.58	1755.76	38.7124	41.9743	10.1773	0.7723	1.4827	28.4600	0.2126
06:39:23	499.51	6.00	458.61	1769.23	656.90	69.55	1888.98	38.7124	41.9851	10.1773	0.7838	1.5007	28.9871	0.2154
06:39:24	499.51	5.97	458.61	2037.85	820.51	69.79	1918.48	101.1619	109.7142	15.1528	0.8138	1.5475	29.7719	0.2196
06:39:25	499.39	5.95	458.61	2213.68	945.05	69.07	1314.92	153.8936	166.8609	15.1528	0.8595	1.6187	30.5541	0.2238
06:39:26	499.51	5.89	458.61	1714.29	780.22	68.34	981.36	230.8403	250.2913	19.5630	0.9279	1.7220	31.5640	0.2292
06:39:27	499.51	5.86	458.12	1129.43	571.43	68.58	907.63	265.8886	288.1743	21.0330	1.0067	1.8408	32.6442	0.2351
06:39:28	499.51	5.83	458.12	1129.43	571.43	68.58	907.63	288.8293	312.9572	22.6162	1.0923	1.9699	33.8018	0.2414
06:39:29	499.39	5.77	458.12	416.36	272.28	68.82	935.09	223.6713	242.1694	21.1461	1.1585	2.0698	34.8736	0.2472
06:39:30	499.51	5.70	458.61	315.02	217.34	69.07	933.56	147.3619	159.4834	19.7892	1.2021	2.1355	35.8713	0.2527
06:39:31	499.39	5.65	458.61	238.10	163.61	68.58	932.03	147.3619	159.4260	19.7892	1.2457	2.2012	36.8643	0.2582
06:39:32	499.39	5.61	458.12	211.23	142.86	68.82	931.02	54.3248	58.7238	20.3545	1.2618	2.2254	37.8747	0.2639
06:39:33	499.39	5.53	442.00	188.03	125.76	68.82	931.02	41.1020	44.3869	20.3545	1.2739	2.2437	38.8722	0.2695
06:39:34	499.39	5.48	442.00	179.49	118.44	69.07	931.02	31.0655	33.5293	20.3545	1.2831	2.2575	39.8621	0.2752
06:39:35	499.51	5.43	442.49	173.38	111.11	68.58	933.05	27.5607	29.7296	20.3545	1.2912	2.2698	40.8445	0.2808
06:39:36	499.39	5.36	442.49	167.28	105.01	68.82	935.09	24.5338	26.4359	20.3545	1.2985	2.2803	41.8126	0.2865

06:39:37	499.39	5.31	442.49	163.61	98.90	68.82	937.63	23.4186	25.2187	20.3545	1.3054	2.2903	42.7724	0.2922
06:39:38	499.39	5.24	442.00	161.17	95.24	68.58	940.68	22.6220	24.3446	20.3545	1.3120	2.3000	43.7234	0.2978
06:39:39	499.51	5.21	442.49	157.51	92.80	68.58	942.71	21.8255	23.4644	20.3545	1.3184	2.3093	44.6614	0.3035
06:39:40	499.39	5.19	442.49	156.29	91.58	69.07	847.63	21.3476	22.9376	20.4676	1.3247	2.3184	45.5970	0.3092
06:39:41	499.39	5.15	442.49	141.64	86.69	69.79	687.46	21.0289	22.5720	20.5807	1.3309	2.3274	46.5240	0.3149
06:39:42	499.27	5.14	442.49	126.98	83.03	69.07	678.31	20.5510	22.0510	20.4676	1.3369	2.3362	47.4411	0.3206
06:39:43	499.39	5.13	477.17	117.22	79.37	69.07	666.61	20.3917	21.8733	18.4322	1.3429	2.3449	48.2632	0.3257
06:39:44	499.39	5.14	476.68	117.22	79.37	69.07	666.61	18.4800	19.8145	11.4212	1.3483	2.3528	48.7696	0.3288
06:39:45	499.51	5.15	477.17	103.79	74.48	69.07	651.86	16.5683	17.7611	8.0287	1.3532	2.3599	49.1244	0.3311
06:39:46	499.39	5.18	477.17	102.56	72.04	68.58	646.78	15.2938	16.3923	5.4279	1.3576	2.3669	49.3638	0.3326
06:39:47	499.39	5.21	477.17	100.12	70.82	69.31	647.80	15.2938	16.3948	5.4279	1.3621	2.3739	49.6037	0.3341
06:39:48	499.51	5.22	477.17	100.12	69.60	68.58	647.80	13.5413	14.5185	1.1308	1.3661	2.3801	49.6538	0.3344
06:39:49	499.51	5.29	477.17	98.90	68.38	68.82	648.81	13.3820	14.3529	0.1131	1.3700	2.3863	49.6589	0.3344
06:39:50	499.51	5.32	477.17	98.90	68.38	68.82	646.78	13.0634	14.0169	0.1131	1.3738	2.3923	49.6639	0.3345
06:39:51	499.39	5.37	477.17	98.90	68.38	68.10	764.24	13.0634	14.0198	0.1131	1.3777	2.3983	49.6690	0.3345
06:39:52	499.39	5.41	477.17	103.79	73.26	67.86	960.51	12.9041	13.8610	0.1131	1.3815	2.4043	49.6742	0.3345
06:39:53	499.39	5.45	509.40	118.44	76.92	67.86	1014.92	12.9041	13.8667	0.1131	1.3853	2.4102	49.6793	0.3346
06:39:54	499.39	5.47	508.91	144.08	84.25	67.61	1104.92	12.9041	13.8746	1.1308	1.3891	2.4162	49.7315	0.3349
06:39:55	499.39	5.50	508.91	164.84	86.69	67.86	1175.59	13.5413	14.5680	3.6186	1.3930	2.4224	49.8999	0.3359
06:39:56	499.39	5.52	508.91	189.26	91.58	67.86	1264.58	15.4531	16.6332	4.4102	1.3976	2.4301	50.1065	0.3371
06:39:57	499.39	5.54	508.91	241.76	113.55	68.10	1402.88	18.7986	20.2415	5.7671	1.4031	2.4393	50.3781	0.3387
06:39:58	499.39	5.54	508.91	327.23	137.97	68.10	1527.46	21.5069	23.1660	6.6718	1.4095	2.4499	50.6938	0.3406
06:39:59	499.51	5.56	508.91	457.88	173.38	67.86	1823.90	24.6931	26.6035	7.6895	1.4167	2.4621	51.0587	0.3427
06:40:00	499.51	5.56	509.40	912.09	290.60	68.34	1782.71	31.5434	33.9926	9.2726	1.4260	2.4777	51.5004	0.3453
06:40:01	499.51	5.56	508.91	1339.44	452.99	67.86	1845.76	42.6951	46.0101	10.2904	1.4386	2.4987	51.9905	0.3481
06:40:02	444.69	5.56	508.91	1925.52	749.69	70.04	1908.31	59.7413	64.3998	12.5520	1.4562	2.5282	52.5908	0.3516
06:40:03	444.69	5.56	484.98	2183.15	916.97	69.55	1744.58	119.0047	128.2843	15.6051	1.4913	2.5870	53.3372	0.3560
06:40:04	444.69	5.55	484.98	1653.23	739.93	69.79	1744.58	174.7632	188.3907	17.4144	1.5428	2.6732	54.1701	0.3608
06:40:05	444.81	5.55	484.98	1086.69	542.12	69.31	932.54	251.2320	270.7952	20.0153	1.6088	2.7971	55.1274	0.3664
06:40:06	444.69	5.54	484.98	725.27	391.94	69.07	931.02	284.8465	307.0272	20.5807	1.6835	2.9310	56.1117	0.3721
06:40:07	444.69	5.51	484.98	418.80	258.85	69.07	935.59	215.7058	232.4667	20.3545	1.7401	3.0324	57.0832	0.3777
06:40:08	444.69	5.49	484.98	321.12	203.91	69.07	942.20	141.7860	152.8032	20.3545	1.7773	3.0991	58.0547	0.3834
06:40:09	444.69	5.47	484.98	262.52	167.28	68.82	946.78	94.6302	101.9675	20.2415	1.8021	3.1436	59.0187	0.3890
06:40:10	444.69	5.43	484.98	217.34	133.09	68.58	953.90	54.6434	58.8590	20.4676	1.8165	3.1692	59.9887	0.3947
06:40:11	444.81	5.39	485.47	200.24	119.66	68.58	955.93	41.8986	45.1217	20.4676	1.8275	3.1889	60.9560	0.4004
06:40:12	398.78	5.34	484.98	181.93	105.01	68.58	943.22	34.2517	36.8732	20.5807	1.8364	3.2050	61.9237	0.4061
06:40:13	398.90	5.29	461.05	173.38	100.12	68.58	942.20	28.3572	30.5119	20.8069	1.8439	3.2183	62.8951	0.4119
06:40:14	398.90	5.26	461.05	167.28	96.46	68.58	940.17	26.1269	28.0976	21.0330	1.8507	3.2306	63.8700	0.4177
06:40:15	398.90	5.20	460.56	161.17	92.80	68.82	938.14	23.7372	25.5084	20.5807	1.8563	3.2417	64.8150	0.4234
06:40:16	398.90	5.16	460.56	156.29	91.58	68.58	935.59	22.6220	24.2950	20.4676	1.8616	3.2518	65.7465	0.4291
06:40:17	398.78	5.12	460.56	152.63	90.35	68.58	935.59	21.8255	23.4287	20.5807	1.8667	3.2615	66.6769	0.4348
06:40:18	398.78	5.08	460.56	146.52	86.69	68.58	935.59	21.0289	22.5574	20.4676	1.8716	3.2708	67.5926	0.4405
06:40:19	398.78	5.04	460.56	144.08	86.69	68.58	935.59	20.3917	21.8625	20.4676	1.8764	3.2799	68.5014	0.4462
06:40:20	398.90	5.03	460.56	144.08	85.47	69.07	730.17	19.9138	21.3369	20.3545	1.8811	3.2887	69.3970	0.4519
06:40:21	398.78	5.01	460.56	131.87	83.03	69.55	677.80	19.1172	20.4729	20.4676	1.8855	3.2972	70.2907	0.4575
06:40:22	426.62	5.02	461.05	119.66	78.14	69.07	693.05	18.7986	20.1233	20.3545	1.8899	3.3055	71.1740	0.4632
06:40:23	426.37	5.02	494.75	108.67	74.48	69.07	662.03	18.7986	20.1192	15.7182	1.8943	3.3139	71.8540	0.4676
06:40:24	426.37	5.02	494.75	108.67	74.48	69.07	662.03	17.2055	18.4094	11.9866	1.8983	3.3215	72.3705	0.4709
06:40:25	426.62	5.08	495.24	102.56	68.38	69.07	651.86	15.6124	16.7083	8.7072	1.9022	3.3284	72.7466	0.4733
06:40:26	426.62	5.08	495.24	102.56	68.38	69.07	651.86	14.1786	15.1739	5.2017	1.9058	3.3352	72.9713	0.4748
06:40:27	426.62	5.15	494.75	97.68	64.71	68.58	646.27	14.1786	15.1739	5.2017	1.9093	3.3419	73.1960	0.4762
06:40:28	426.62	5.21	494.75	96.46	62.27	68.82	642.71	13.3820	14.3317	1.2439	1.9127	3.3483	73.2503	0.4765
06:40:29	426.50	5.23	495.24	96.46	62.27	68.82	646.27	13.3820	14.3317	1.2439	1.9160	3.3547	73.3046	0.4769
06:40:30	426.62	5.25	495.24	95.24	62.27	68.82	643.73	12.7448	13.6627	0.1131	1.9192	3.3608	73.3096	0.4769
06:40:31	426.62	5.32	494.75	96.46	62.27	68.10	906.10	12.5855	13.5023	0.1131	1.9224	3.3668	73.3147	0.4769
06:40:32	439.19	5.35	494.75	101.34	65.93	67.86	986.44	12.5855	13.5065	0.1131	1.9255	3.3728	73.3198	0.4770
06:40:33	439.07	5.38	528.94	113.55	72.04	67.86	1039.83	12.4262	13.3383	0.1131	1.9286	3.3787	73.3249	0.4770
06:40:34	439.07	5.43	529.43	140.42	79.37	67.86	1134.92	12.5855	13.5225	3.3924	1.9318	3.3847	73.4802	0.4780
06:40:35	439.19	5.46	528.94	164.84	84.25	67.86	1214.24	13.2227	14.2119	3.8447	1.9352	3.3911	73.6569	0.4790
06:40:36	439.19	5.50	528.94	208.79	95.24	67.86	1346.44	14.8158	15.9324	4.6363	1.9390	3.3986	73.8717	0.4803
06:40:37	439.19	5.54	529.43	260.07	111.11	67.86	1442.54	18.3207	19.7125	6.1064	1.9438	3.4080	74.1568	0.4820
06:40:38	439.07	5.55	528.94	418.80	151.40	67.61	1668.31	21.5069	23.1503	7.1241	1.9493	3.4190	74.4913	0.4840
06:40:39	439.07	5.58	528.94	652.01	199.02	67.61	1798.98	27.2420	29.3389	8.7072	1.9564	3.4330	74.9031	0.4864
06:40:40	439.19	5.59	528.94	1039.07	304.03	67.86	1776.61	33.9331	36.5637	9.6119	1.9652	3.4504	75.3608	0.4891
06:40:41	439.07	5.61	528.94	1450.55	484.74	68.10	1880.34	54.6434	58.8887	11.6473	1.9793	3.4784	75.9167	0.4923
06:40:42	398.78	5.61	528.94	2009.77	794.87	68.82	1922.04	85.0716	91.7140	13.4566	2.0014	3.5221	76.5622	0.4960
06:40:43	398.90	5.61	492.80	2233.21	932.84	68.58	1636.27	135.5729	146.1886	16.0575	2.0365	3.5916	77.3345	0.5005

06:40:44	398.90	5.61	492.80	1912.09	862.03	68.34	1011.87	189.2604	204.1219	17.8668	2.0856	3.6887	78.1962	0.5055
06:40:45	398.78	5.59	493.28	1301.59	650.79	68.34	977.80	262.2245	282.7945	20.3545	2.1474	3.8232	79.1780	0.5111
06:40:46	398.90	5.56	493.28	702.08	409.04	67.86	947.29	291.3782	314.2353	21.2592	2.2160	3.9625	80.2033	0.5170
06:40:47	398.78	5.54	492.80	481.07	311.36	68.10	947.29	249.4796	269.0499	21.5984	2.2747	4.0817	81.2451	0.5230
06:40:48	398.78	5.51	492.80	352.87	247.86	68.10	947.29	169.8246	183.1087	21.2592	2.3147	4.1629	82.2676	0.5289
06:40:49	398.78	5.47	492.80	278.39	201.47	68.10	941.70	91.6033	98.7332	20.5807	2.3363	4.2068	83.2526	0.5347
06:40:50	398.78	5.43	492.80	217.34	156.29	68.10	939.66	62.7682	67.6363	20.6938	2.3511	4.2367	84.2396	0.5404
06:40:51	398.78	5.37	492.80	195.36	136.75	68.34	937.12	46.0406	49.5909	20.5807	2.3619	4.2587	85.2156	0.5461
06:40:52	370.70	5.33	493.28	177.05	114.77	68.34	937.12	36.3227	39.1035	20.4676	2.3704	4.2760	86.1794	0.5518
06:40:53	370.57	5.28	454.70	169.72	106.23	68.58	937.12	28.3572	30.5109	20.4676	2.3771	4.2896	87.1357	0.5575
06:40:54	370.70	5.22	454.70	162.39	100.12	68.34	939.66	25.4896	27.4043	20.4676	2.3831	4.3017	88.0816	0.5632
06:40:55	370.70	5.16	454.21	159.95	98.90	68.34	941.70	23.1000	24.8211	20.4676	2.3881	4.3127	89.0207	0.5689
06:40:56	370.70	5.12	454.21	158.73	98.46	68.58	943.22	22.1441	23.7768	20.3545	2.3929	4.3224	89.9450	0.5745
06:40:57	370.57	5.07	454.21	158.73	95.24	68.34	943.22	21.1882	22.7318	20.4676	2.3975	4.3317	90.8634	0.5802
06:40:58	370.70	5.03	454.21	157.51	94.02	68.34	945.76	20.8696	22.3726	20.5807	2.4021	4.3409	91.7766	0.5859
06:40:59	370.70	4.99	454.21	156.29	91.58	68.34	906.10	20.7103	22.1892	20.4676	2.4066	4.3499	92.6771	0.5916
06:41:00	370.70	4.97	454.70	151.40	89.13	68.58	664.58	20.7103	22.1755	20.4676	2.4111	4.3590	93.5695	0.5973
06:41:01	370.57	4.97	454.21	137.97	85.47	68.82	723.05	20.5510	21.9936	20.5807	2.4155	4.3680	94.4598	0.6030
06:41:02	418.19	4.97	454.21	119.68	79.37	68.82	675.25	20.3917	21.8130	19.6761	2.4200	4.3769	95.3051	0.6085
06:41:03	418.19	4.97	499.15	112.33	75.70	69.07	671.70	19.7544	21.1237	14.3613	2.4243	4.3855	95.9186	0.6125
06:41:04	418.31	4.98	499.63	107.45	74.48	69.07	666.10	18.0020	19.2498	10.6296	2.4282	4.3934	96.3727	0.6154
06:41:05	418.19	5.01	499.15	103.79	70.82	69.07	653.90	15.6124	16.6960	5.9933	2.4320	4.4002	96.6288	0.6171
06:41:06	418.19	5.05	498.66	102.56	68.38	68.82	655.42	14.6565	15.6738	3.2793	2.4356	4.4072	96.7689	0.6180
06:41:07	418.19	5.08	499.15	101.34	67.16	69.07	651.36	14.0193	14.9954	1.9224	2.4390	4.4140	96.8513	0.6185
06:41:08	418.19	5.08	499.15	101.34	67.16	69.07	651.36	13.5413	14.4894	0.1131	2.4423	4.4205	96.8562	0.6186
06:41:09	418.31	5.13	499.15	100.12	65.93	68.82	653.90	13.3820	14.3263	0.4523	2.4456	4.4269	96.8758	0.6187
06:41:10	418.19	5.18	499.15	98.90	65.93	68.82	653.90	13.2227	14.1624	0.1131	2.4488	4.4333	96.8807	0.6187
06:41:11	418.19	5.27	499.63	100.12	65.93	68.58	943.22	13.2227	14.1624	0.1131	2.4521	4.4396	96.8857	0.6187
06:41:12	424.18	5.29	499.15	103.79	70.82	68.10	943.22	13.0634	13.9997	0.1131	2.4553	4.4459	96.8907	0.6188
06:41:13	424.05	5.34	543.10	129.43	78.14	68.34	1128.31	12.9041	13.8389	0.1131	2.4585	4.4521	96.8957	0.6188
06:41:14	424.05	5.35	542.61	151.40	85.47	68.34	1214.75	13.0634	14.0264	3.3924	2.4617	4.4584	97.0495	0.6197
06:41:15	423.93	5.38	542.61	181.93	91.58	68.34	1368.81	13.5413	14.5435	4.1840	2.4651	4.4650	97.2400	0.6209
06:41:16	424.18	5.38	542.61	258.41	118.44	68.10	1466.27	16.8869	18.1478	5.6540	2.4693	4.4738	97.4996	0.6225
06:41:17	424.18	5.40	542.61	372.41	148.96	68.10	1657.12	19.7544	21.2339	6.8979	2.4742	4.4842	97.8172	0.6244
06:41:18	424.05	5.41	542.61	791.21	250.31	68.58	1820.34	23.7372	25.5254	8.5941	2.4801	4.4966	98.2153	0.6268
06:41:19	424.18	5.41	542.61	1231.99	398.05	68.34	1850.85	33.4551	35.9754	9.7250	2.4885	4.5142	98.6657	0.6295
06:41:20	424.18	5.41	542.61	1653.23	588.52	69.31	1895.09	48.5896	52.2581	11.4212	2.5006	4.5397	99.1958	0.6327
06:41:21	424.18	5.41	542.61	2102.56	857.14	69.07	1938.81	103.2330	111.0499	14.8136	2.5264	4.5939	99.8854	0.6368
06:41:22	386.45	5.41	542.61	2224.66	945.05	68.58	1607.80	160.7439	172.9156	16.9621	2.5666	4.6783	100.6751	0.6415
06:41:23	386.32	5.39	490.35	1459.10	692.31	68.34	920.65	215.7058	232.0394	18.8845	2.6204	4.7915	101.5542	0.6467
06:41:24	386.45	5.37	490.35	937.73	492.06	68.58	931.02	274.3320	295.1048	21.1461	2.6890	4.9355	102.5386	0.6526
06:41:25	386.32	5.34	490.35	610.50	355.31	68.58	931.02	290.2630	312.2206	21.5984	2.7550	5.0879	103.5440	0.6586
06:41:26	386.32	5.33	490.84	357.75	238.10	68.34	949.32	190.3755	204.7135	20.0153	2.7983	5.1781	104.4718	0.6642
06:41:27	386.45	5.31	490.35	260.83	190.48	68.34	949.32	122.3502	131.5310	20.2415	2.8262	5.2361	105.4066	0.6698
06:41:28	386.32	5.28	490.84	233.21	157.51	68.34	947.80	79.6551	85.5969	20.2415	2.8443	5.2739	106.3359	0.6754
06:41:29	386.45	5.22	490.84	194.14	124.54	68.34	936.61	46.6779	50.1520	20.6938	2.8549	5.2960	107.2840	0.6812
06:41:30	386.45	5.19	490.84	179.49	108.67	68.34	935.59	36.6413	39.3583	20.8069	2.8632	5.3134	108.2337	0.6869
06:41:31	386.45	5.13	490.84	163.81	98.90	68.34	935.59	30.4282	32.6727	20.6938	2.8701	5.3278	109.1734	0.6927
06:41:32	361.66	5.08	490.84	157.51	94.02	68.34	935.59	25.3303	27.1791	20.4676	2.8759	5.3398	110.0932	0.6984
06:41:33	361.66	5.01	438.10	153.85	92.80	68.34	935.59	23.4186	25.1149	20.3545	2.8812	5.3509	111.0011	0.7040
06:41:34	361.54	4.97	438.10	152.63	91.58	68.10	940.17	21.3476	22.8785	20.4676	2.8860	5.3610	111.9051	0.7097
06:41:35	361.66	4.93	438.10	150.18	91.58	68.34	943.22	20.5510	22.0080	20.4676	2.8904	5.3707	112.7995	0.7154
06:41:36	361.66	4.88	438.10	150.18	91.58	68.34	944.24	20.0731	21.4762	20.4676	2.8946	5.3792	113.6815	0.7211
06:41:37	361.66	4.83	438.10	151.40	91.58	68.34	947.80	19.9138	21.2948	20.5807	2.8988	5.3876	114.5615	0.7268
06:41:38	361.66	4.80	438.10	153.85	94.02	68.34	949.83	19.5951	20.9422	20.5807	2.9030	5.3958	115.4339	0.7325
06:41:39	361.66	4.77	438.10	157.51	92.80	68.58	918.31	19.5951	20.9281	20.6938	2.9071	5.4041	116.3020	0.7383
06:41:40	361.66	4.77	438.10	157.51	92.80	68.58	918.31	19.7544	21.0841	20.5807	2.9113	5.4124	117.1564	0.7440
06:41:41	361.66	4.75	438.58	153.85	90.35	69.07	713.39	20.0731	21.4153	20.6938	2.9156	5.4208	118.0099	0.7497
06:41:42	361.66	4.75	438.58	130.65	84.25	69.07	696.10	20.5510	21.9184	20.1284	2.9199	5.4294	118.8360	0.7553
06:41:43	398.29	4.76	490.84	111.11	75.70	69.07	672.20	20.5510	21.9184	20.1284	2.9242	5.4381	119.6622	0.7609
06:41:44	398.41	4.80	490.84	103.79	72.04	68.82	663.56	20.0731	21.4020	15.3790	2.9285	5.4465	120.2903	0.7652
06:41:45	398.41	4.80	490.84	103.79	72.04	68.82	663.56	17.0462	18.1748	9.3857	2.9321	5.4537	120.6736	0.7678
06:41:46	398.29	4.82	490.35	102.56	69.60	69.07	662.03	14.4972	15.4605	4.5232	2.9354	5.4605	120.8588	0.7690
06:41:47	398.41	4.87	490.35	100.12	64.71	68.58	655.42	13.5413	14.4486	1.4701	2.9386	5.4669	120.9195	0.7695
06:41:48	398.41	4.90	490.84	98.90	64.71	68.34	655.42	13.5413	14.4486	1.4701	2.9417	5.4733	120.9802	0.7699
06:41:49	398.41	4.90	490.84	98.90	64.71	68.58	655.42	13.3820	14.2830	0.7916	2.9449	5.4796	121.0130	0.7701
06:41:50	398.41	4.99	490.35	97.68	63.49	68.58	661.02	13.0634	13.9516	0.0000	2.9479	5.4857	121.0130	0.7701