APPENDIX B

CHASSIS DYNAMOMETER TESTING
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APPENDIX A

PRESENTATION AT CRC ON-ROAD VEHICLE EMISSIONS WORKSHOP

Measurement of On-Road Emissions for a Diesel Truck

Acurex Environmental

Wendy Wool, Michelle Montano, & Stefan Unnasch
Acurex Environmental

presented at

CRC On-Road Vehicle Emissions Workshop
Hyatt Islandia
San Diego, California
April 3-5, 1995

Contents

- Project Sponsors
- Project Objectives
- Project Description
- Emissions Testing
- Results

Project Sponsors

The project is a cooperative study to relate engine dynamometer and on-road emissions data

- **California Air Resources Board:**
  - **Development and Testing of On-Board Emissions Measurement Capability for Heavy-duty Vehicles**
- **United States Environmental Protection Agency:**
  - **On-Board Emissions Factor for Diesel Bus**

Background

Heavy-duty vehicle emissions are difficult to quantify due to:

- Wide variety of engine-vehicle combinations
- Impacts of different operating characteristics on emission levels

Project Objectives

- Demonstrate and refine a method for on-road vehicle emission measurements in order to gain a better understanding of on-road, in-use emissions data from heavy-duty vehicles
- Provide on-board emissions measurement capability for heavy-duty vehicles
- Track and record engine performance for subsequent correlation with emissions measurements

Project Objectives (concluded)

- Compare chassis dynamometer emissions test results with on-board emissions measurements
- Validate chassis dynamometer test results and cycles and provide for further refinement of mobile source emission models

Project Description

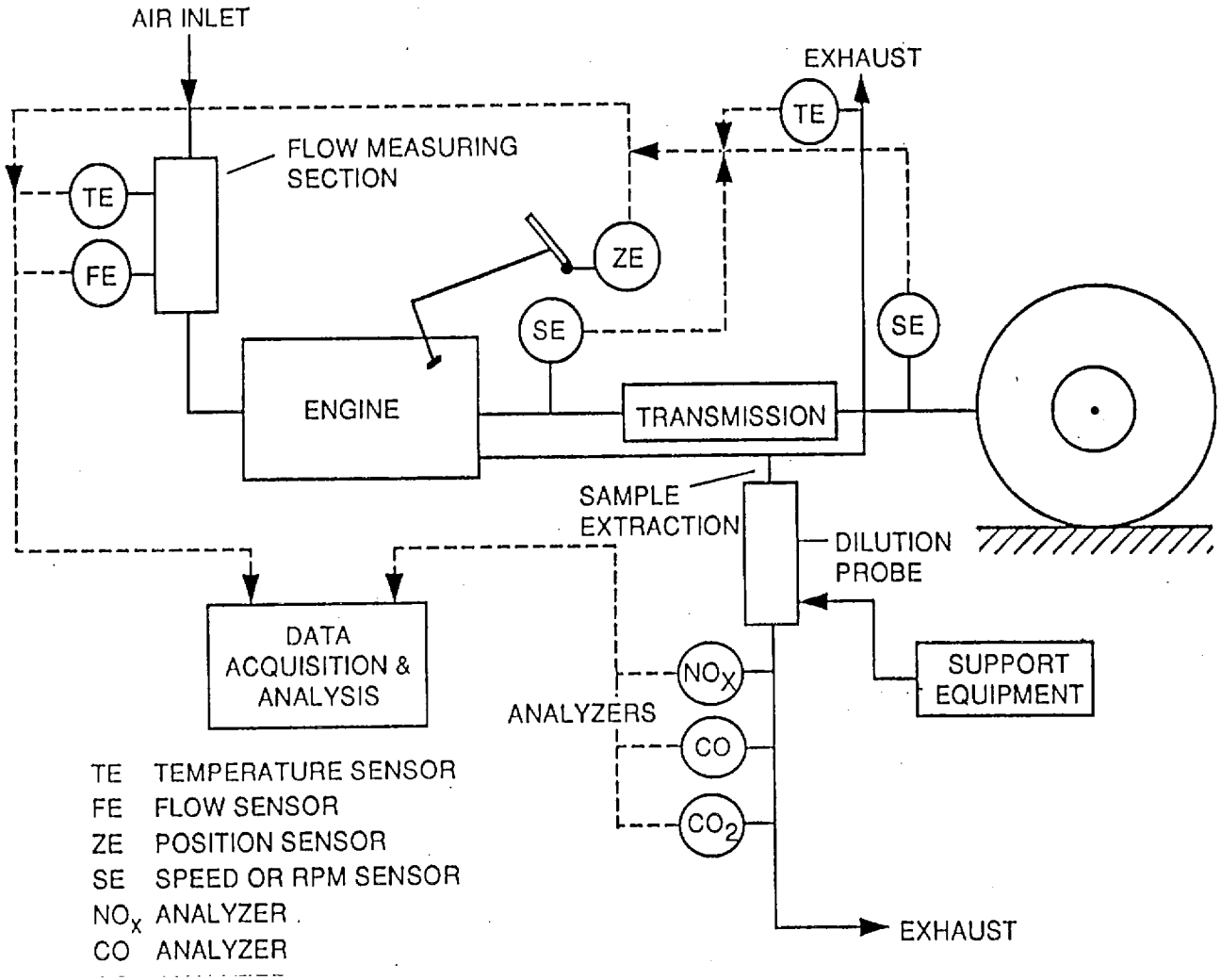
Acurex Environmental

Acurex Environmental devised a unique approach to measure in-use NOx emissions from heavy-duty vehicles

- Based on experience with continuous emissions monitoring for stationary sources
- Uses a dilution sampling system which features total preservation of the exhaust sample without condensation or other losses in sample integrity
- Allows measurement of NOx, CO, and CO_2 emissions concentrations

Sampling System Schematic

Acurex Environmental



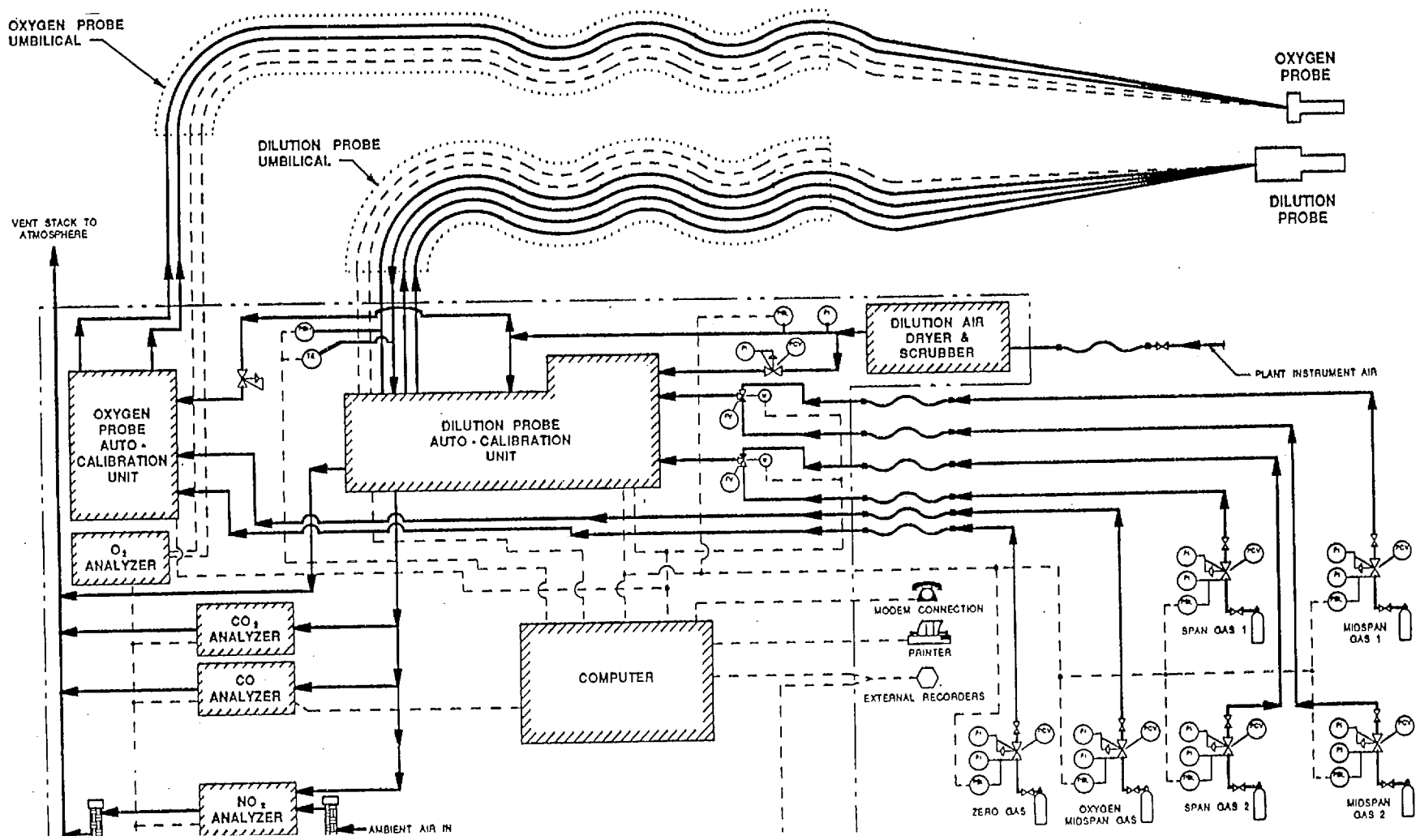
Sampling Approach Description

Acurex Environmental

- Two main sets of sensors
  - Inlet air flow and engine operating sensors
    - Inlet temperature sensor
    - Air flow velocity sensors
    - Throttle position sensor
    - Engine speed sensor
    - Vehicle speed sensor
  - Exhaust sensors
    - Dilu-cem 500 dilution probe emissions sampling system

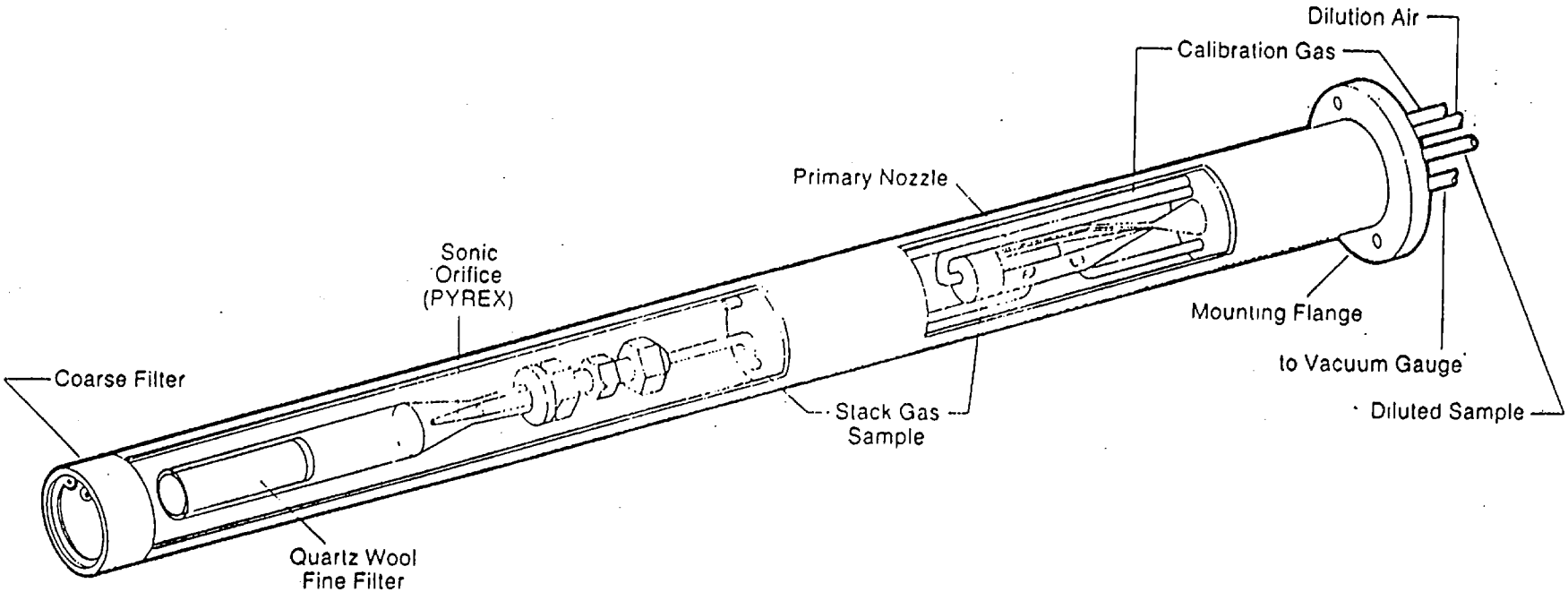
Dilu-cem 500 Dilution Probe Emissions Sampling System

Acurex Environmental



Why did we use a dilution probe?

Acurex Environmental



Emissions Testing

Acurex Environmental

- Test Vehicle:
  - Orange County Transportation Authority Superbus (Tractor/trailer combination)
- Engine:
  - 1991 Diesel-powered Cummins L10 (280 hp)
- Chassis Dynamometer Test Cycles Performed:
  - CBD
  - Commuter
  - EPA Schedule D
- On-Road Testing Performed:
  - Flat racecourse-type
  - Hill climb

Chassis Dynamometer Test Results

Acurex Environmental

- Data analysis is on-going
- Preliminary results show some discrepancies in
  - CO_2 measurements in beginning of test cycles
    - [Slow equipment response suspected]
  - Inlet air flow rate at low engine speed (rpm)
    - [Flow separation suspected]
- These discrepancies can be accounted for without significantly impacting the ability to correlate on-road data to chassis test data

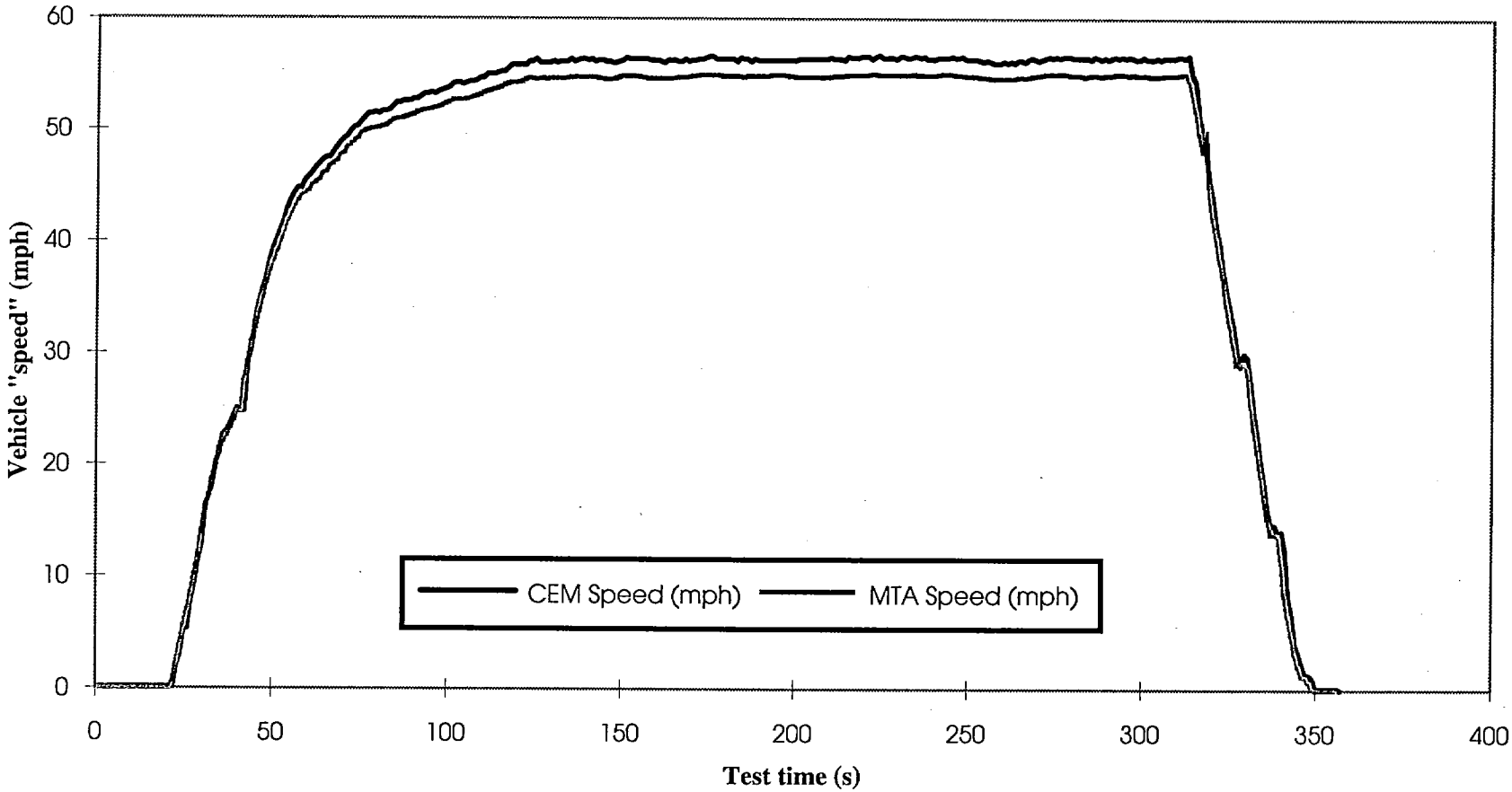
Data Analysis

Acurex Environmental

- Correlate Dilu-cem 500 exhaust air flowrate with LACMTA Emissions Testing Facility (ETF) data
- Correlate Dilu-cem emissions rates with ETF emissions rates
- Calculate grams per mile emissions
- Apply methodology to on-road emissions

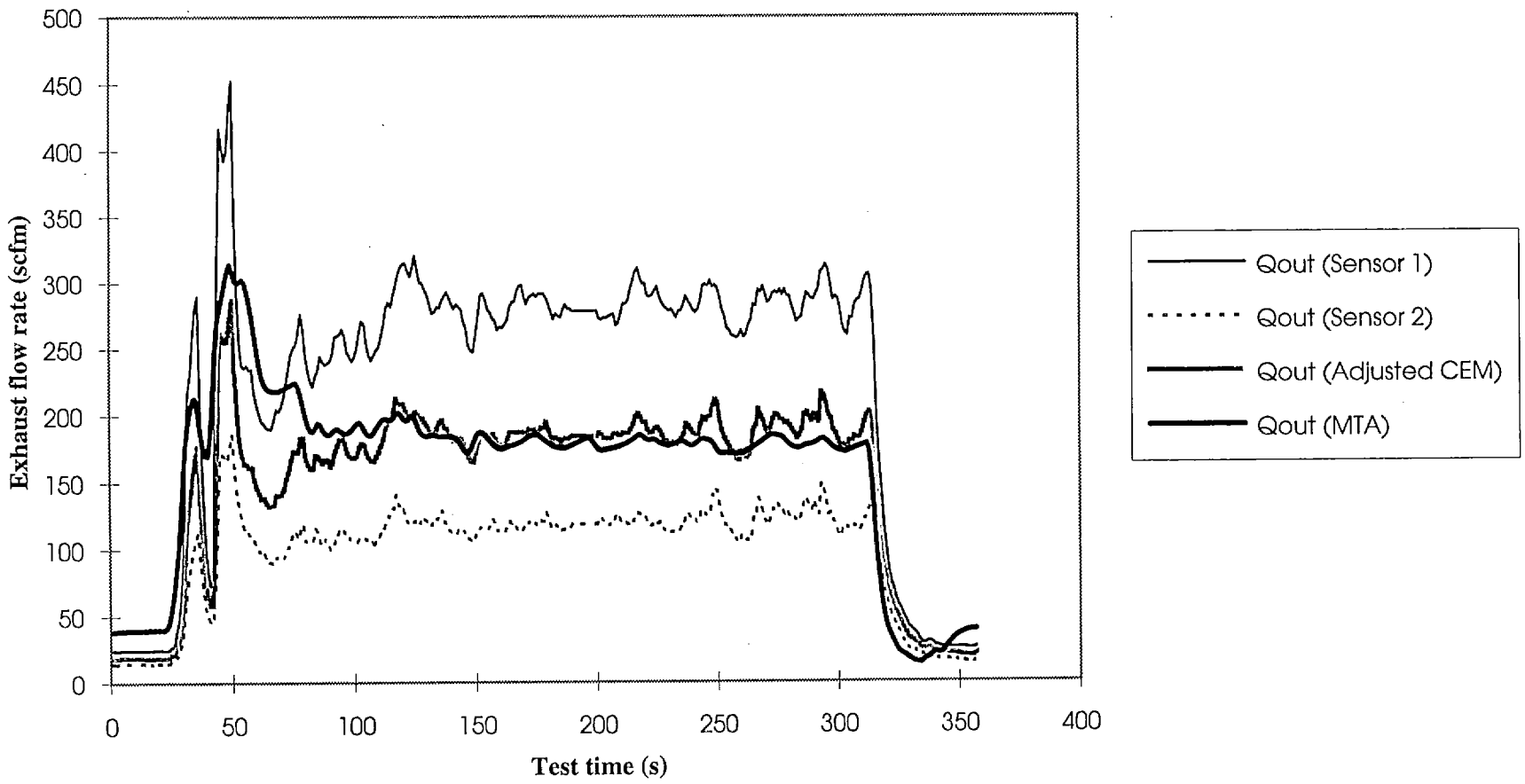
Vehicle "speed" sensor comparison

Acurex Environmental



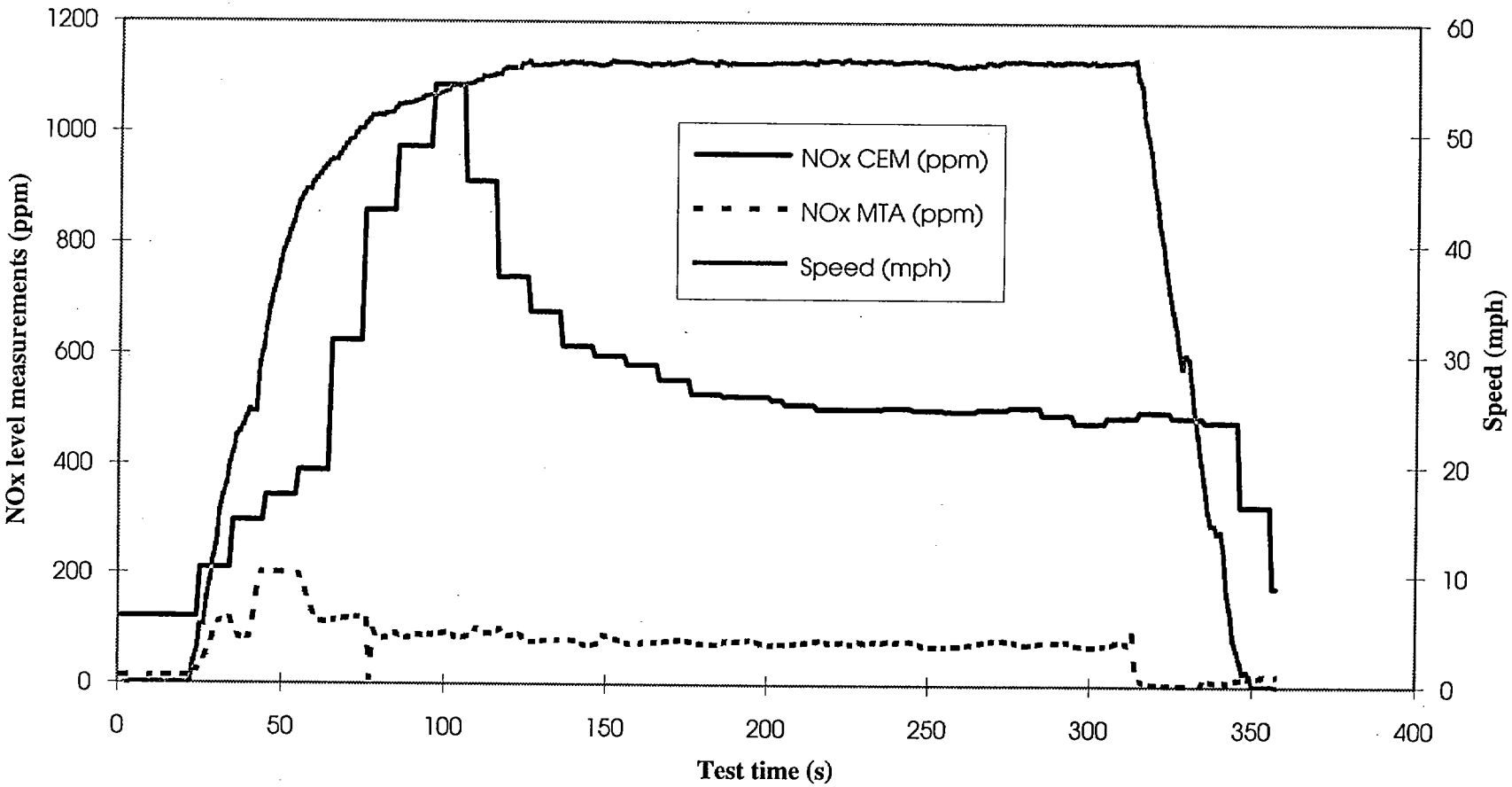
Exhaust Flow Rates

Acurex Environmental



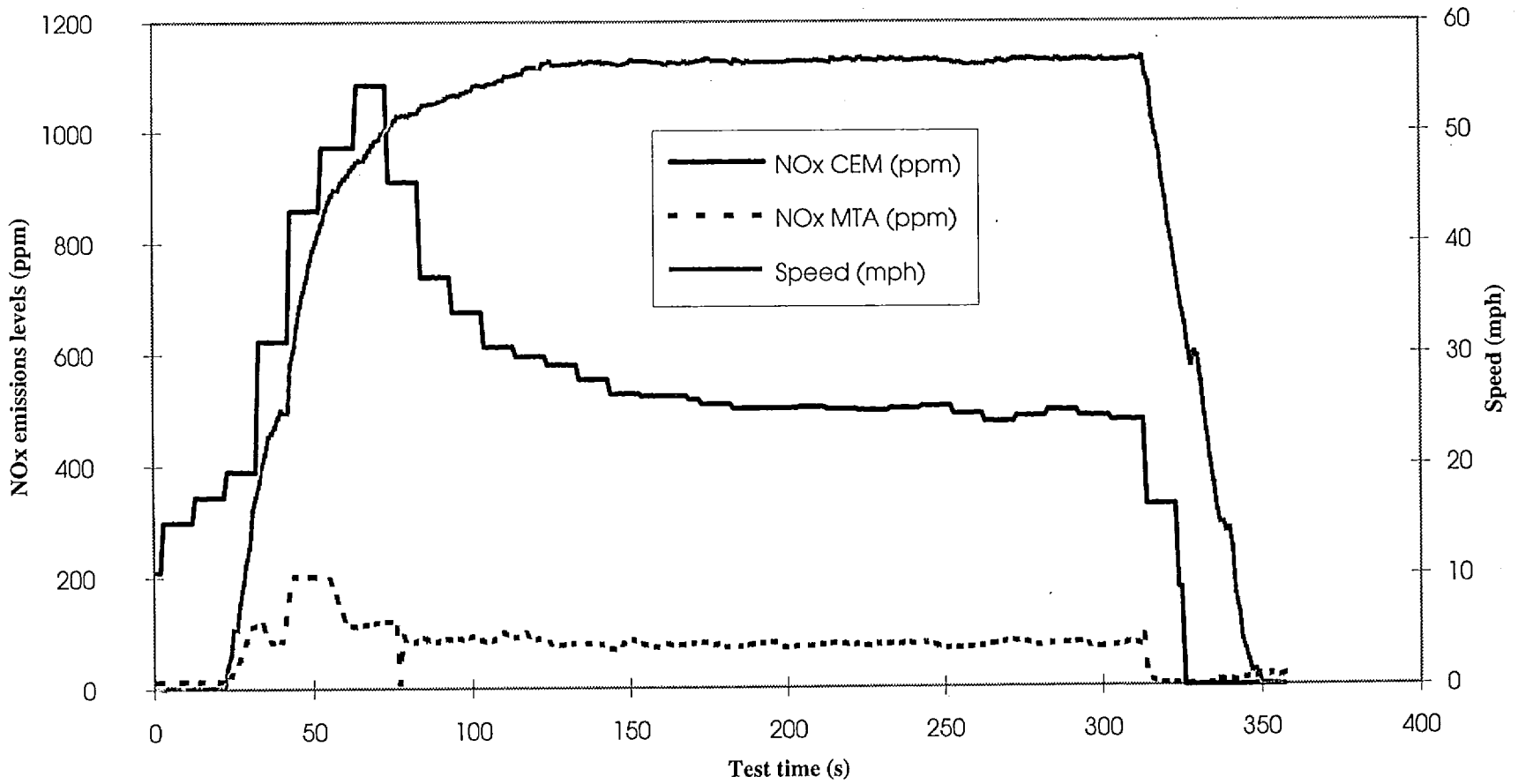
Exhaust emissions instrumentation responded slowly

Acurex Environmental



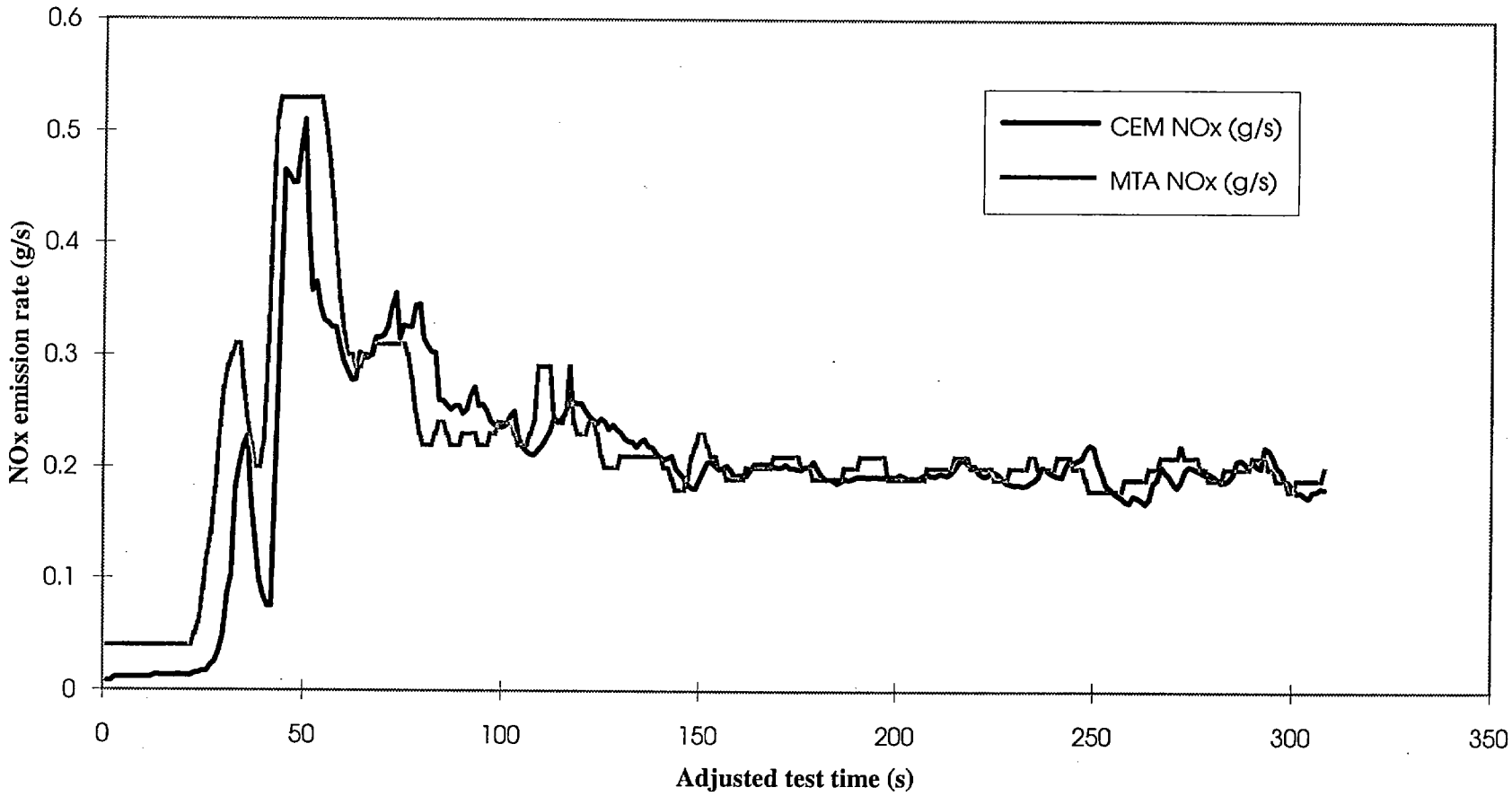
Adjusted NOx emissions measurement (ppm)

Acurex Environmental



NOx Emission Rates (g/s)

Acurex Environmental



The CEM results underpredicted the NOx emissions by less than 10%

Acurex Environmental

	CEM	MTA
Cumulative NOx	64 grams	68 grams
Distance traveled	4.5 miles	4.5 miles
NOx emission level	14.4 g/mile	15.3 g/mile

The Next Steps

- Verify analysis technique through application to additional tests, test cycles and inertial weight results

- Evaluate on-road test results

Future Technique Improvements

- Fast response emissions instrumentation
- Improved air flow or exhaust flow measurement

Chassis Dynamometer Test Matrix

Acurex Environmental

	Inertial Weight (lbs GVW)			
Test cycles	25K	33K	40K	55K
Cold Start CBD	2	3		
CBD		3		
Commuter	2	3	2	2
EPA Schedule D		2		

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Acurex CEM Test #1076: Commuter B-541

Table B-1. Chassis dynamometer emission test matrix

Dynamometer Test Cycles	Vehicle Load (lbs)			
	0	8,000	15,250	30,000
	Inertial Weight (lbs)			
	25,000	33,000	40,250	55,000
Cold Start CBD	2	3		
CBD		3		
Modal		5		
Commuter	2	3	2	2
EPA Schedule D	2	3		
Idle		2		

Test Day	Test Time	Test Number	Test Cycle	Inertial Weight
Friday 6-May-94	6:50 AM		Cold Start CBD	33,000
	8:00 AM		Steady State	33,000
Monday 9-May-94	6:40 AM	1049	Cold Start CBD	33,000
	7:25 AM	1050	SS - 5 speed	33,000
	8:05 AM	1051	SS - Idle	33,000
	8:25 AM	1052	SS-Full power	33,000
	9:30 AM	1053	CBD	33,000
	10:02 AM	1054	CBD	33,000
	11:46 AM	1055	CBD	33,000
	12:30 PM	1056	Modal sawtooth	33,000
	12:55 PM	1057	20 mph Cruise	33,000
Tuesday 10-May-94	6:40 AM	1058	Cold Start CBD	33,000
	7:10 AM	1059	Idle Test	33,000
	7:45 AM	1060	EPA Schedule D	33,000
	8:40 AM	1061	EPA Schedule D	33,000
	9:30 AM	1062	EPA Schedule D	33,000
	10:57 AM	1063	Commuter	33,000
	11:30 AM	1064	Commuter	33,000
	12:00 PM	1065	Commuter	33,000
Wednesday 11-May-94	8:04 AM	1066	Cold Start CBD	25,000
	8:44 AM	1067	EPA Schedule D	25,000
	9:31 AM	1068	EPA Schedule D	25,000
Thursday 12-May-94	6:32 AM	1069	Cold Start CBD	25,000
	7:10 AM	1070	Commuter	25,000
	7:48 AM	1071	Commuter	25,000
	8:17 AM	1072	Commuter	40,250
	8:46 AM	1073	Aborted	
	9:03 AM	1074	Commuter	40,250
	9:32 AM	1075	Commuter	55,000
	9:56 AM	1076	Commuter	55,000

May 1994 Operator's Test Log of Chassis Dynamometer Tests at LACMTA

6:48:15 05/06/94 PRETEST CBD

6:58:47 05/06/94 TEST ENDED 580 SEC AFTER START

7:58:19 05/06/94 STEADY STATE VALIDATION 10 SEC

8:34:41 05/06/94 STEADY STATE RAW VALIDATION RUNS

2:34:29 05/06/94 PREVIOUS 10 MIN WAS STEADY STATE TEST

6:40:45 05/09/94 COLD START CBD 580 SEC

6:50:23 05/09/94 END COLD CBD

7:25:36 05/09/94 RAW TESTING 580 SEC

7:36:25 05/09/94 END RAW TEST

8:05:00 05/09/94 IDLE TEST

8:11:30 05/09/94 END IDLE TEST 358 SEC AFTER START

8:25:21 05/09/94 FULL POWER TEST

9:32:31 05/09/94 CBD START

9:42:09 05/09/94 END CBD 580 SEC AFTER START

10:02:54 05/09/94 CBD TEST

11:46:35 05/09/94 CBD TEST

11:56:14 05/09/94 END TEST

12:30:15 05/09/94 MODAL 20MPH SAWTOOTH ACCEL

12:36:33 05/09/94 END OF TEST 325 SEC AFTER START

12:54:46 05/09/94 20 MPH MODAL CRUISE 325 SEC

6:37:31 05/10/94 COLD CBD

7:10:27 05/10/94 IDLE TEST

7:17:44 05/10/94 END TEST 372 SEC AFTER START

7:45:11 05/10/94 EPA SCHED (D) START

8:03:35 05/10/94 END TEST 1060 SEC AFTER START

8:39:54 05/10/94 EPA SCHED (D)

8:57:34 05/10/94 END TEST

9:31:01 05/10/94 EPA SCHED (D)

10:53:22 05/10/94 EXHAUST TC CHANGED - NOW EXTENDS TO MID-STREAM

10:57:34 05/10/94 COMMUTER 33,000LB INERTIA

11:04:51 05/10/94 END TEST 358 SEC AFTER START

11:30:30 05/10/94 COMMUTER 33,000LB

12:00:09 05/10/94 COMMUTER 33,000LB

8:01:23 05/11/94 CLOCK SET BACK 2 MIN TO GET DATA ACQ STARTED

8:04:13 05/11/94 COLD CBD 25,000 LB

8:20:15 05/11/94 CLOCK RESET TO SYNCHRONICITY WITH MTA AND BACKUP COMPUTER

8:43:27 05/11/94 EPA SCHED (D) 25,000LB

9:31:18 05/11/94 EPA SCHED (D) 25,000LB

11:47:34 05/11/94 CURRENT READINGS ARE SPAN GAS WITH PLUMBING AS IS

11:50:06 05/11/94 FOLLOWING READINGS ARE WITH ZERO AIR POSITIVELY SHUT OFF

12:02:33 05/11/94 FOLLOWING READINGS ARE WITH CAL VAC PUMP REMOVED FROM CAL GA

12:08:27 05/11/94 CAL VAC PUMP NOW RECONNECTED

12:09:30 05/11/94 PCV10 RESET TO 16PSI

12:24:11 05/11/94 PCV 9 SET TO ZERO

12:33:08 05/11/94 PCV 9 RESET TO 10 PSI

12:48:38 05/11/94 SPAN GAS 2 BLOCKED AT FV2

12:51:01 05/11/94 CONNECTION RESTORED

12:56:37 05/11/94 ZERO AIR BLOCKED AT FO1

12:59:48 05/11/94 CONNECTION RESTORED

13:05:13 05/11/94 CAL GAS PLUMBED TO PROBE BYPASSING BENCH

13:08:54 05/11/94 CONNECTION RESTORED

13:14:08 05/11/94 VACUUM TO PROBE BLOCKED

13:19:59 05/11/94 DILUTION AIR TO PROBE BLOCKED

13:23:49 05/11/94 CONNECTION RESTORED

13:31:40 05/11/94 HI SPAN GAS VALVE CLOSED

13:57:15 05/11/94 FO1 ORIFICE BYPASSED

6:32:10 05/12/94 COLD CBD 25,000LB

7:09:57 05/12/94 COMMUTER 25,000LB

7:47:55 05/12/94 COMMUTER 25,000LB

8:17:32 05/12/94 COMMUTER 40,250LB

8:45:32 05/12/94 COMMUTER 40,250LB

8:48:21 05/12/94 TEST ABORTED - WRONG CYCLE PROGRAMMED BY MTA

9:03:13 05/12/94 COMMUTER 40,250LB

9:31:43 05/12/94 COMMUTER 55,000LB

9:56:30 05/12/94 COMMUTER 55,000LB

09-MAY-93 06:24 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number : 1049
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	0.6	3.8	4.5	0.00	0.000	0.006	0.01	0.02	48.58	295.39	762.31	0.0	0.000	0.0	0.01	0.31	62.6	0.0	0.0	0.0
1 DL	0.9	8.5	7.5	0.01	0.001	0.014	0.02	0.18	48.58	256.67	113.44	0.0	0.000	0.0	0.07	6.09	62.3	0.0	0.0	0.0
2 DL	1.2	10.4	10.3	0.03	0.001	0.017	0.03	0.68	48.58	186.66	45.58	0.0	0.000	0.0	0.25	12.96	62.2	0.0	0.0	0.0
3 DL	1.4	10.2	11.7	0.05	0.001	0.016	0.03	1.31	48.58	138.48	32.61	0.0	0.000	0.0	0.47	8.75	62.2	0.0	0.0	0.0
4 DL	1.5	9.5	12.2	0.07	0.001	0.015	0.03	1.82	48.58	114.13	28.49	0.0	0.000	0.0	0.65	6.67	62.1	0.0	0.0	0.0
5 DL	1.6	8.9	12.7	0.09	0.001	0.014	0.03	2.22	48.58	100.61	26.61	0.0	0.000	0.0	0.79	6.61	62.1	0.0	0.0	0.0
6 DL	1.6	8.7	13.3	0.10	0.001	0.014	0.04	2.55	48.58	91.62	25.48	0.0	0.000	0.0	0.91	6.95	62.1	0.0	0.0	0.0
7 DL	1.6	9.2	14.0	0.11	0.001	0.015	0.04	2.85	48.57	84.77	24.68	0.0	0.000	0.0	1.02	7.94	62.1	0.0	0.0	0.0
8 DL	1.7	10.1	14.7	0.13	0.001	0.016	0.04	3.17	48.57	78.34	23.98	0.0	0.000	0.0	1.13	10.37	62.1	0.0	0.0	0.0
9 DL	1.7	11.3	15.2	0.14	0.001	0.018	0.04	3.50	48.58	72.73	23.40	0.0	0.000	0.0	1.25	12.68	62.1	0.0	0.0	0.0
10 DL	1.7	12.5	15.5	0.15	0.001	0.020	0.04	3.77	48.57	68.68	22.99	0.0	0.000	0.0	1.35	14.49	62.0	0.0	0.0	0.0
11 DL	1.8	13.6	15.9	0.16	0.001	0.022	0.04	3.97	48.57	66.00	22.73	0.0	0.000	0.0	1.42	15.75	62.0	0.0	0.0	0.0
12 DL	1.9	14.8	15.9	0.16	0.001	0.024	0.04	4.13	48.58	63.96	22.54	0.0	0.000	0.0	1.48	16.37	62.0	0.0	0.0	0.0
13 DL	1.9	15.9	16.3	0.17	0.001	0.025	0.04	4.28	48.58	62.22	22.38	0.0	0.000	0.0	1.53	16.63	62.0	0.0	0.0	0.0
14 DL	1.9	16.7	16.4	0.18	0.001	0.027	0.04	4.43	48.58	60.50	22.22	0.0	0.000	0.0	1.58	16.39	62.1	0.0	0.0	0.0
15 DL	1.9	17.2	16.5	0.18	0.002	0.028	0.04	4.58	48.58	58.87	22.07	0.0	0.000	0.0	1.64	15.90	62.1	0.0	0.0	0.0
16 DL	1.9	17.4	16.5	0.19	0.002	0.028	0.04	4.70	48.58	57.69	21.96	0.0	0.000	0.0	1.68	15.55	62.1	0.0	0.0	0.0
17 DL	2.0	17.3	16.5	0.19	0.002	0.028	0.04	4.76	48.58	57.05	21.91	0.0	0.000	0.0	1.70	15.14	62.1	0.0	0.0	0.0
18 DL	2.0	17.3	16.7	0.19	0.002	0.028	0.04	4.79	48.58	56.78	21.88	0.0	0.000	0.0	1.71	14.59	62.1	0.0	0.0	0.0
19 DL	2.0	17.6	17.0	0.19	0.002	0.028	0.04	4.82	48.58	56.52	21.86	0.0	0.000	0.0	1.72	14.01	62.2	0.0	0.0	0.0
20 DL	2.0	18.2	18.2	0.19	0.002	0.029	0.05	4.90	48.58	55.80	21.80	0.0	0.000	0.4	0.21	14.17	62.2	0.0	0.0	0.0
21 DL	2.0	19.9	19.6	0.20	0.002	0.032	0.05	5.09	48.58	54.06	21.64	0.0	0.000	1.5	0.78	14.58	62.2	0.0	0.0	0.0
22 DL	2.1	22.9	21.6	0.21	0.002	0.037	0.06	5.37	48.58	51.68	21.44	0.0	0.001	1.9	1.00	15.25	62.3	0.0	0.0	0.0
23 DL	2.2	26.0	24.2	0.23	0.002	0.042	0.06	5.72	48.57	48.97	21.21	0.0	0.001	2.4	1.13	18.33	62.3	0.0	0.0	0.0
24 DL	2.3	27.9	22.3	0.24	0.002	0.045	0.06	6.11	48.57	46.32	20.99	0.0	0.001	2.7	1.21	17.15	62.3	0.0	0.0	0.0
25 DL	2.5	28.7	23.3	0.26	0.002	0.046	0.06	6.47	48.57	44.15	20.81	0.0	0.001	2.9	1.26	14.45	62.3	0.0	0.0	0.0
26 DL	2.5	29.0	23.9	0.27	0.002	0.047	0.06	6.79	48.57	42.34	20.67	2.5	0.001	3.1	1.29	13.10	62.4	0.0	0.0	0.0
27 DL	0.9	29.2	24.1	0.28	0.001	0.047	0.06	7.10	48.58	40.79	20.55	1.0	0.001	3.4	1.33	12.34	62.4	0.0	0.0	0.0
28 DL	1.6	29.4	24.3	0.29	0.001	0.047	0.06	7.34	48.57	39.65	20.46	1.0	0.001	3.5	1.35	12.01	62.5	0.0	0.0	0.0
29 DL	1.6	29.5	24.7	0.30	0.001	0.047	0.06	7.50	48.58	38.91	20.40	1.0	0.001	3.8	1.40	11.95	62.5	0.0	0.0	0.0
30 DL	1.7	29.5	25.0	0.30	0.001	0.047	0.07	7.63	48.58	38.32	20.36	1.0	0.001	4.1	1.49	11.63	62.5	0.0	0.0	0.0
31 DL	1.7	29.5	25.8	0.31	0.001	0.047	0.07	7.76	48.58	37.77	20.32	1.0	0.001	4.4	1.58	11.29	62.6	0.0	0.0	0.0
32 DL	1.7	29.6	25.9	0.31	0.001	0.047	0.07	7.92	48.57	37.13	20.27	1.0	0.001	4.8	1.69	11.10	62.7	0.0	0.0	0.0
33 DL	1.8	29.6	26.1	0.32	0.001	0.047	0.07	8.10	48.57	36.40	20.21	1.0	0.001	5.1	1.76	11.01	62.7	0.0	0.0	0.0
34 DL	1.9	29.6	27.2	0.33	0.001	0.047	0.07	8.30	48.57	35.61	20.15	1.0	0.002	5.4	1.83	11.03	62.7	0.0	0.0	0.0
35 DL	1.9	29.7	28.0	0.34	0.002	0.048	0.07	8.51	48.57	34.84	20.10	1.0	0.002	5.7	1.88	11.64	62.8	0.0	0.0	0.0
36 DL	2.0	29.8	28.2	0.35	0.002	0.048	0.07	8.73	48.57	34.08	20.04	1.0	0.002	6.0	1.93	13.38	62.9	0.0	0.0	0.0
37 DL	2.1	30.0	29.0	0.35	0.002	0.048	0.08	8.93	48.57	33.41	19.99	1.0	0.002	6.3	1.98	15.72	62.9	0.0	0.0	0.0
38 DL	2.2	30.7	30.0	0.36	0.002	0.049	0.08	9.14	48.56	32.73	19.94	1.0	0.002	6.6	2.02	16.69	63.0	0.0	0.0	0.0
39 DL	2.3	32.2	31.2	0.37	0.002	0.052	0.08	9.43	48.57	31.81	19.87	1.0	0.002	6.9	2.05	17.32	63.1	0.0	0.0	0.0
40 DL	2.5	34.6	33.0	0.39	0.002	0.055	0.09	9.85	48.57	30.59	19.78	1.0	0.002	7.3	2.06	17.35	63.2	0.0	0.0	0.0
41 DL	2.7	37.7	34.6	0.41	0.002	0.060	0.09	10.38	48.57	29.18	19.68	1.0	0.002	7.6	2.06	14.85	63.2	0.0	0.0	0.0
42 DL	3.0	42.0	37.4	0.44	0.002	0.067	0.10	10.95	48.57	27.78	19.58	1.0	0.002	8.1	2.06	12.70	63.3	0.0	0.0	0.0
43 DL	3.4	48.0	40.6	0.46	0.003	0.077	0.11	11.62	48.56	26.30	19.47	1.0	0.002	8.6	2.06	11.75	63.5	0.0	0.0	0.0
44 DL	3.8	54.2	44.1	0.50	0.003	0.087	0.12	12.47	48.57	24.64	19.36	1.0	0.003	9.2	2.06	12.48	63.6	0.0	0.0	0.0
45 DL	4.3	62.9	47.7	0.53	0.003	0.101	0.13	13.34	48.57	23.14	19.25	1.0	0.003	9.9	2.06	13.15	63.7	0.0	0.0	0.0

46	DL	4.8	73.6	51.7	0.58	0.004	0.118	0.14	14.63	48.56	21.23	19.12	1.0	0.003	10.6	2.01	14.38	63.8	0.0	0.0	0.0
47	DL	5.7	89.1	60.9	0.64	0.005	0.143	0.16	16.23	48.56	19.26	18.99	1.0	0.003	11.6	1.98	16.33	63.9	0.0	0.0	0.0
48	DL	7.0	109.0	79.1	0.73	0.006	0.175	0.21	18.25	48.56	17.23	18.85	0.7	0.004	13.8	2.08	21.76	64.1	0.0	0.0	0.0
49	DL	7.8	116.0	79.0	0.82	0.006	0.186	0.21	20.53	48.55	15.41	18.73	0.0	0.004	15.6	2.11	23.77	64.2	0.0	0.0	0.0
50	DL	7.5	101.8	46.6	0.84	0.006	0.163	0.12	21.20	48.53	14.97	18.71	0.0	0.004	12.3	1.67	21.36	64.4	0.0	0.0	0.0
51	DL	6.7	79.4	21.0	0.75	0.005	0.127	0.06	18.85	48.53	16.80	18.83	0.0	0.002	8.9	1.33	13.07	64.5	0.0	0.0	0.0
52	DL	5.8	60.3	11.6	0.59	0.005	0.097	0.03	14.88	48.54	21.04	19.10	0.0	0.002	6.3	1.22	6.10	64.7	0.0	0.0	0.0
54	DL	4.9	47.5	10.5	0.46	0.004	0.076	0.03	11.46	48.54	26.71	19.50	0.0	0.001	3.4	0.93	3.96	64.9	0.0	0.0	0.0
54	DL	4.2	38.8	11.9	0.37	0.003	0.062	0.03	9.35	48.54	32.02	19.88	0.0	0.000	1.8	0.48	3.70	64.9	0.0	0.0	0.0
55	DL	3.6	32.5	13.2	0.32	0.003	0.052	0.03	8.17	48.54	36.08	20.19	0.0	0.000	0.7	0.24	4.48	65.1	0.0	0.0	0.0
56	DL	3.2	27.5	14.1	0.30	0.003	0.044	0.04	7.44	48.55	39.21	20.43	0.0	0.000	0.1	0.04	5.56	65.3	0.0	0.0	0.0
57	DL	2.9	23.4	14.5	0.27	0.002	0.037	0.04	6.87	48.55	41.99	20.64	0.0	0.000	0.0	0.00	6.25	65.3	0.0	0.0	0.0
58	DL	2.7	20.3	15.0	0.25	0.002	0.033	0.04	6.38	48.55	44.78	20.87	0.0	0.000	0.0	2.28	7.30	65.4	0.0	0.0	0.0
59	DL	2.5	18.8	15.8	0.24	0.002	0.030	0.04	5.99	48.54	47.22	21.07	0.0	0.000	0.0	2.14	8.18	65.5	0.0	0.0	0.0
60	DL	2.4	19.0	18.1	0.23	0.002	0.030	0.05	5.82	48.54	48.36	21.16	0.0	0.000	0.7	0.25	8.39	65.6	0.0	0.0	0.0
61	DL	2.4	21.3	21.1	0.24	0.002	0.034	0.06	5.92	48.54	47.63	21.10	0.0	0.001	2.6	1.24	8.99	65.7	0.0	0.0	0.0
62	DL	2.4	24.7	25.5	0.25	0.002	0.040	0.07	6.29	48.55	45.27	20.91	0.0	0.001	3.0	1.31	11.20	65.7	0.0	0.0	0.0
63	DL	2.5	27.6	28.6	0.27	0.002	0.044	0.08	6.83	48.56	42.20	20.66	0.0	0.001	3.5	1.41	12.36	65.8	0.0	0.0	0.0
64	DL	2.6	29.7	30.6	0.29	0.002	0.048	0.08	7.40	48.55	39.34	20.44	0.0	0.001	4.1	1.52	11.23	65.8	0.0	0.0	0.0
65	DL	2.6	31.3	31.5	0.32	0.002	0.050	0.08	7.95	48.55	36.97	20.25	0.0	0.001	4.7	1.63	11.33	65.9	0.0	0.0	0.0
66	DL	2.7	32.9	32.5	0.34	0.002	0.053	0.09	8.45	48.55	35.04	20.11	0.0	0.001	5.3	1.74	11.78	66.0	0.0	0.0	0.0
67	DL	2.8	35.0	34.2	0.35	0.002	0.056	0.09	8.90	48.54	33.44	19.99	2.5	0.002	6.0	1.86	13.03	66.2	0.0	0.0	0.0
68	DL	2.9	37.8	36.3	0.37	0.002	0.060	0.10	9.37	48.54	31.94	19.88	1.0	0.002	6.5	1.94	15.85	66.3	0.0	0.0	0.0
69	DL	3.1	41.8	38.7	0.39	0.002	0.067	0.10	9.93	48.54	30.31	19.76	1.0	0.002	7.1	2.00	18.05	66.4	0.0	0.0	0.0
70	DL	3.4	47.9	41.9	0.42	0.003	0.077	0.11	10.63	48.55	28.49	19.63	1.0	0.002	7.7	2.02	15.98	66.6	0.0	0.0	0.0
71	DL	3.8	56.1	46.0	0.46	0.003	0.090	0.12	11.53	48.55	26.44	19.48	1.0	0.002	8.4	2.02	13.11	66.8	0.0	0.0	0.0
72	DL	4.3	65.9	50.0	0.50	0.003	0.105	0.13	12.66	48.54	24.26	19.33	1.0	0.003	9.1	2.00	12.15	67.0	0.0	0.0	0.0
73	DL	4.9	77.9	55.1	0.55	0.004	0.125	0.15	13.89	48.54	22.24	19.19	1.0	0.003	9.9	1.98	13.09	67.2	0.0	0.0	0.0
74	DL	6.0	94.3	65.8	0.61	0.005	0.151	0.17	15.36	48.54	20.23	19.05	1.0	0.003	11.0	1.98	15.10	67.4	0.0	0.0	0.0
75	DL	7.4	117.3	87.9	0.70	0.006	0.188	0.23	17.52	48.55	17.88	18.89	1.0	0.003	12.6	1.98	18.40	67.7	0.0	0.0	0.0
76	DL	8.7	138.0	122.1	0.82	0.007	0.221	0.32	20.69	48.53	15.28	18.72	1.0	0.004	15.0	2.01	21.06	67.9	0.0	0.0	0.0
77	DL	9.8	142.8	150.1	0.98	0.008	0.228	0.39	24.61	48.53	12.97	18.57	0.1	0.005	17.0	1.91	22.18	68.1	0.0	0.0	0.0
78	DL	10.6	132.4	160.6	1.13	0.008	0.212	0.42	28.31	48.53	11.36	18.48	0.0	0.005	18.7	1.84	21.41	68.4	0.0	0.0	0.0
79	DL	10.8	112.6	136.3	1.22	0.009	0.180	0.36	30.76	48.51	10.50	18.43	0.0	0.006	20.3	1.84	17.62	68.6	0.0	0.0	0.0
80	DL	10.1	88.9	80.2	1.22	0.008	0.142	0.21	30.54	48.48	10.59	18.43	0.0	0.006	20.7	1.90	12.15	68.9	0.0	0.0	0.0
81	DL	8.9	68.5	52.4	1.07	0.007	0.109	0.14	26.94	48.46	11.98	18.52	0.0	0.006	20.2	2.10	6.63	69.1	0.0	0.0	0.0
82	DL	7.7	54.1	44.0	0.89	0.006	0.086	0.12	22.34	48.48	14.34	18.67	0.0	0.006	20.1	2.52	4.44	69.4	0.0	0.0	0.0
83	DL	6.8	44.8	38.6	0.74	0.005	0.072	0.10	18.64	48.49	17.02	18.85	0.0	0.006	20.0	3.02	4.21	69.7	0.0	0.0	0.0
84	DL	6.0	39.6	35.3	0.64	0.005	0.063	0.09	16.05	48.49	19.56	19.02	0.0	0.006	20.0	3.51	4.57	70.1	0.0	0.0	0.0
85	DL	5.5	36.3	34.3	0.58	0.004	0.058	0.09	14.51	48.48	21.47	19.15	0.0	0.006	20.0	3.88	5.30	70.3	0.0	0.0	0.0
86	DL	5.2	33.4	33.9	0.54	0.004	0.053	0.09	13.47	48.49	23.01	19.25	0.0	0.006	20.1	4.19	6.15	70.5	0.0	0.0	0.0
87	DL	4.9	30.8	33.8	0.50	0.004	0.049	0.09	12.55	48.49	24.56	19.36	0.0	0.006	20.1	4.50	6.72	70.7	0.0	0.0	0.0
88	DL	4.7	28.2	32.7	0.47	0.004	0.045	0.09	11.75	48.49	26.09	19.46	0.0	0.006	20.2	4.81	6.61	70.9	0.0	0.0	0.0
89	DL	4.4	25.7	28.7	0.44	0.004	0.041	0.08	10.96	48.49	27.80	19.59	0.0	0.005	18.5	4.78	6.62	71.1	0.0	0.0	0.0
90	DL	4.2	23.4	24.3	0.40	0.003	0.037	0.06	10.12	48.49	29.90	19.74	0.0	0.004	14.6	4.09	6.36	71.2	0.0	0.0	0.0
91	DL	3.9	20.7	18.6	0.37	0.003	0.033	0.05	9.28	48.50	32.32	19.91	0.0	0.003	10.3	3.19	5.49	71.4	0.0	0.0	0.0
92	DL	3.7	17.9	14.6	0.33	0.003	0.029	0.04	8.38	48.51	35.42	20.14	0.0	0.002	7.7	2.63	3.52	71.7	0.0	0.0	0.0
93	DL	3.5	15.2	13.0	0.30	0.003	0.024	0.03	7.47	48.51	39.16	20.43	0.0	0.001	4.9	1.91	3.79	71.9	0.0	0.0	0.0
94	DL	3.4	12.7	12.8	0.26	0.003	0.020	0.03	6.65	48.51	43.31	20.75	0.0	0.001	2.2	1.00	3.33	72.1	0.0	0.0	0.0
95	DL	3.2	10.9	13.8	0.24	0.003	0.017	0.04	5.96	48.50	47.56	21.10	0.0	0.000	1.2	0.58	3.74	72.4	0.0	0.0	0.0
96	DL	3.1	9.9	14.5	0.22	0.002	0.016	0.04	5.44	48.50	51.26	21.41	0.0	0.000	0.2	0.10	4.68	72.6	0.0	0.0	0.0
97	DL	2.9	9.6	15.0	0.21	0.002	0.015	0.04	5.16	48.50	53.59	21.61	0.0	0.000	0.0	0.01	5.06	72.6	0.0	0.0	0.0
98	DL	2.8	9.6	15.5	0.20	0.002	0.015	0.04	5.04	48.51	54.64	21.70	0.0	0.000	0.0	1.79	5.52	72.7	0.0	0.0	0.0
99	DL	2.7	9.9	16.3	0.20	0.002	0.016	0.04	5.00	48.51	54.96	21.73	0.0	0.000	0.0	1.78	6.01	72.9	0.0	0.0	0.0
100	DL	2.7	11.7	19.2	0.20	0.002	0.019	0.05	5.05	48.52	54.51	21.69	0.0	0.000	1.0	0.45	6.32	72.9	0.0	0.0	0.0
101	DL	2.8	16.5	24.2	0.21	0.002	0.026	0.06	5.29	48.51	52.36	21.50	0.0	0.001	3.0	1.57	6.84	73.0	0.0	0.0	0.0
102	DL	3.0	22.5	30.2	0.23	0.002	0.036	0.08	5.87	48.51	47.97	21.12	0.0	0.001	3.5	1.68	11.07	73.0	0.0	0.0	0.0
103	DL	1.9	27.0	33.9	0.27	0.002	0.043	0.09	6.74	48.51	42.69	20.70	0.0	0.001	4.4	1.80	12.05	73.0	0.0	0.0	0.0
104	DL	3.1	30.9	36.0	0.30	0.002	0.049	0.09	7.61	48.51	38.38	20.36	0.0	0.001	5.2	1.89	11.22	73.1	0.0	0.0	0.0

105	DL	3.3	35.4	38.6	0.33	0.003	0.057	0.10	8.39	48.51	35.21	20.12	0.0	0.002	6.1	2.01	11.95	73.2	0.0	0.0	0.0
106	DL	3.6	42.1	42.5	0.36	0.003	0.067	0.11	9.17	48.51	32.50	19.92	0.0	0.002	6.9	2.10	15.97	73.1	0.0	0.0	0.0
107	DL	4.0	53.2	47.0	0.40	0.003	0.085	0.12	10.11	48.52	29.74	19.71	0.0	0.002	7.8	2.13	16.26	73.3	0.0	0.0	0.0
108	DL	4.5	69.5	52.5	0.45	0.004	0.111	0.14	11.35	48.50	26.74	19.50	2.3	0.002	8.7	2.13	13.94	73.6	0.0	0.0	0.0
109	DL	5.3	91.2	62.1	0.52	0.004	0.146	0.16	12.97	48.50	23.62	19.28	1.0	0.003	9.8	2.08	14.03	74.0	0.0	0.0	0.0
110	DL	6.6	113.5	82.5	0.61	0.005	0.182	0.22	15.24	48.50	20.33	19.05	1.0	0.003	11.2	2.02	15.64	74.4	0.0	0.0	0.0
111	DL	8.1	125.9	69.1	0.73	0.006	0.201	0.18	18.45	48.52	17.03	18.83	1.0	0.004	13.4	2.00	18.90	74.7	0.0	0.0	0.0
112	DL	9.4	123.8	152.7	0.88	0.007	0.198	0.40	22.20	48.51	14.32	18.66	0.5	0.004	16.0	2.00	19.05	75.0	0.0	0.0	0.0
113	DL	10.4	112.1	181.8	1.03	0.008	0.179	0.48	25.85	48.49	12.40	18.54	0.0	0.005	18.0	1.93	15.91	75.4	0.0	0.0	0.0
114	DL	11.2	95.4	175.3	1.15	0.009	0.152	0.46	28.94	48.47	11.14	18.47	0.0	0.005	19.7	1.90	13.52	75.7	0.0	0.0	0.0
115	DL	11.2	75.8	129.3	1.22	0.009	0.121	0.34	30.71	48.45	10.53	18.43	0.0	0.006	21.0	1.92	11.05	76.0	0.0	0.0	0.0
116	DL	10.3	58.2	82.1	1.17	0.008	0.093	0.22	29.26	48.42	11.05	18.47	0.0	0.006	21.4	2.07	7.35	76.3	0.0	0.0	0.0
117	DL	9.2	45.7	47.0	1.00	0.007	0.073	0.12	25.02	48.43	12.88	18.58	0.0	0.005	19.1	2.15	4.03	76.6	0.0	0.0	0.0
118	DL	8.3	37.2	27.5	0.80	0.007	0.059	0.07	20.16	48.43	15.83	18.77	0.0	0.005	19.6	2.73	2.29	76.9	0.0	0.0	0.0
119	DL	7.5	31.9	27.2	0.65	0.006	0.051	0.07	16.29	48.44	19.33	19.00	0.0	0.005	19.7	3.40	2.07	77.2	0.0	0.0	0.0
120	DL	6.8	28.7	30.8	0.56	0.005	0.046	0.08	13.98	48.44	22.25	19.20	0.0	0.005	19.8	3.97	3.40	77.5	0.0	0.0	0.0
121	DL	6.2	26.5	32.7	0.50	0.005	0.042	0.09	12.65	48.44	24.39	19.35	0.0	0.006	19.8	4.40	4.42	77.8	0.0	0.0	0.0
122	DL	5.8	24.9	33.6	0.47	0.005	0.040	0.09	11.76	48.45	26.06	19.46	0.0	0.006	19.9	4.75	5.18	78.1	0.0	0.0	0.0
123	DL	5.5	23.9	34.1	0.44	0.004	0.038	0.09	11.07	48.45	27.55	19.57	0.0	0.006	19.9	5.06	5.54	78.4	0.0	0.0	0.0
124	DL	5.3	23.2	34.1	0.42	0.004	0.037	0.09	10.52	48.45	28.84	19.66	0.0	0.006	20.0	5.34	5.85	78.7	0.0	0.0	0.0
125	DL	5.1	23.0	34.1	0.40	0.004	0.037	0.09	10.10	48.46	29.92	19.74	0.0	0.006	20.0	5.58	6.02	78.9	0.0	0.0	0.0
126	DL	4.9	23.0	33.7	0.39	0.004	0.037	0.09	9.84	48.46	30.60	19.79	0.0	0.006	20.1	5.73	6.21	79.3	0.0	0.0	0.0
127	DL	4.7	22.9	33.7	0.39	0.004	0.037	0.09	9.71	48.45	30.99	19.81	0.0	0.006	20.2	5.83	6.15	79.5	0.0	0.0	0.0
128	DL	4.6	22.4	32.3	0.38	0.004	0.036	0.08	9.62	48.46	31.26	19.83	0.0	0.006	20.2	5.91	6.13	79.8	0.0	0.0	0.0
129	DL	4.4	21.0	28.0	0.37	0.003	0.033	0.07	9.40	48.45	31.90	19.88	0.0	0.005	18.8	5.69	6.10	80.0	0.0	0.0	0.0
130	DL	4.2	18.7	23.5	0.35	0.003	0.030	0.06	8.91	48.46	33.50	20.00	0.0	0.004	14.3	4.58	5.69	80.3	0.0	0.0	0.0
131	DL	4.1	15.9	16.9	0.32	0.003	0.025	0.04	8.10	48.47	36.49	20.22	0.0	0.003	9.7	3.47	4.41	80.5	0.0	0.0	0.0
132	DL	4.0	13.5	13.8	0.28	0.003	0.022	0.04	7.02	48.47	41.31	20.59	0.0	0.002	5.6	2.33	2.88	80.8	0.0	0.0	0.0
133	DL	3.8	11.8	13.0	0.24	0.003	0.019	0.03	6.11	48.47	46.52	21.01	0.0	0.001	2.0	0.98	3.42	81.0	0.0	0.0	0.0
134	DL	3.6	10.5	13.8	0.22	0.003	0.017	0.04	5.54	48.48	50.47	21.34	0.0	0.000	0.6	0.33	3.69	81.2	0.0	0.0	0.0
135	DL	3.5	9.7	14.8	0.21	0.003	0.016	0.04	5.24	48.48	52.83	21.54	0.0	0.000	0.0	0.02	4.25	81.4	0.0	0.0	0.0
136	DL	3.3	9.1	15.6	0.20	0.003	0.015	0.04	5.09	48.48	54.17	21.66	0.0	0.000	0.0	1.81	4.54	81.6	0.0	0.0	0.0
137	DL	3.2	8.6	16.2	0.20	0.002	0.014	0.04	4.98	48.48	55.15	21.75	0.0	0.000	0.0	1.77	4.94	81.7	0.0	0.0	0.0
138	DL	3.0	8.2	16.2	0.19	0.002	0.013	0.04	4.88	48.48	56.06	21.83	0.0	0.000	0.0	1.74	5.18	81.8	0.0	0.0	0.0
139	DL	2.9	8.4	17.1	0.19	0.002	0.013	0.05	4.78	48.49	57.01	21.91	0.0	0.000	0.0	1.70	5.48	81.9	0.0	0.0	0.0
140	DL	3.0	10.4	20.6	0.19	0.002	0.017	0.05	4.79	48.49	56.90	21.90	0.0	0.000	1.0	0.50	5.46	82.0	0.0	0.0	0.0
141	DL	3.1	15.3	26.8	0.20	0.002	0.024	0.07	5.10	48.48	54.00	21.64	0.0	0.001	3.2	1.74	6.12	82.2	0.0	0.0	0.0
142	DL	3.4	21.1	32.9	0.23	0.003	0.034	0.09	5.77	48.49	48.67	21.18	0.0	0.001	3.9	1.85	9.95	82.4	0.0	0.0	0.0
143	DL	3.6	26.6	36.6	0.27	0.003	0.042	0.10	6.67	48.50	43.04	20.72	0.0	0.001	4.8	1.98	10.69	82.6	0.0	0.0	0.0
144	DL	3.8	32.8	39.9	0.30	0.003	0.052	0.10	7.58	48.49	38.48	20.37	0.0	0.002	5.7	2.07	10.54	82.8	0.0	0.0	0.0
145	DL	4.1	41.6	44.4	0.34	0.003	0.066	0.12	8.55	48.49	34.56	20.07	0.0	0.002	6.7	2.17	13.38	83.1	0.0	0.0	0.0
146	DL	4.5	54.1	49.0	0.39	0.004	0.086	0.13	9.71	48.49	30.81	19.79	0.0	0.002	7.6	2.17	15.94	83.3	0.0	0.0	0.0
147	DL	5.0	70.1	54.2	0.44	0.004	0.112	0.14	11.12	48.50	27.22	19.53	0.0	0.002	8.6	2.14	14.66	83.6	0.0	0.0	0.0
148	DL	5.7	89.0	61.2	0.51	0.005	0.142	0.16	12.77	48.49	23.94	19.30	0.0	0.003	9.6	2.08	13.73	83.9	0.0	0.0	0.0
149	DL	6.8	108.9	76.3	0.58	0.005	0.174	0.20	14.70	48.49	21.01	19.10	2.6	0.003	10.9	2.05	15.26	84.0	0.0	0.0	0.0
150	DL	8.2	125.7	109.6	0.69	0.006	0.201	0.29	17.24	48.49	18.11	18.90	1.0	0.004	12.9	2.04	16.66	84.0	0.0	0.0	0.0
151	DL	9.5	131.8	153.2	0.82	0.008	0.211	0.40	20.56	48.49	15.37	18.73	0.8	0.004	15.6	2.09	15.92	83.9	0.0	0.0	0.0
152	DL	10.7	123.3	179.9	0.97	0.008	0.197	0.47	24.33	48.48	13.13	18.59	0.0	0.005	17.6	2.00	14.22	83.9	0.0	0.0	0.0
153	DL	11.6	105.0	184.0	1.11	0.009	0.168	0.48	27.93	48.47	11.52	18.49	0.0	0.005	19.4	1.94	12.70	84.1	0.0	0.0	0.0
154	DL	11.9	83.4	145.1	1.21	0.009	0.133	0.38	30.41	48.44	10.63	18.44	0.0	0.006	20.9	1.93	10.49	84.4	0.0	0.0	0.0
155	DL	11.3	64.0	91.6	1.19	0.009	0.102	0.24	29.79	48.40	10.85	18.45	0.0	0.006	21.5	2.03	7.23	84.7	0.0	0.0	0.0
156	DL	10.1	50.0	53.1	1.03	0.008	0.080	0.14	25.90	48.40	12.45	18.55	0.0	0.006	19.9	2.17	4.12	85.0	0.0	0.0	0.0
157	DL	8.9	40.5	34.1	0.84	0.007	0.065	0.09	21.19	48.41	15.09	18.72	0.0	0.006	20.1	2.67	2.59	85.2	0.0	0.0	0.0
158	DL	7.9	34.1	30.2	0.69	0.006	0.054	0.08	17.39	48.41	18.17	18.92	0.0	0.006	20.1	3.25	2.27	85.5	0.0	0.0	0.0
159	DL	7.1	29.5	29.8	0.59	0.006	0.047	0.08	14.83	48.42	21.06	19.12	0.0	0.006	20.0	3.80	2.67	85.8	0.0	0.0	0.0
160	DL	6.6	25.6	29.6	0.52	0.005	0.041	0.08	13.08	48.43	23.65	19.30	0.0	0.006	20.0	4.30	3.19	86.0	0.0	0.0	0.0
161	DL	6.2	22.3	30.0	0.47	0.005	0.036	0.08	11.79	48.43	26.01	19.46	0.0	0.006	20.0	4.76	3.45	86.3	0.0	0.0	0.0
162	DL	5.9	19.6	30.0	0.43	0.005	0.031	0.08	10.77	48.44	28.24	19.62	0.0	0.006	20.0	5.21	3.62	86.5	0.0	0.0	0.0
163	DL	5.7	17.7	29.7	0.40	0.005	0.028	0.08	9.93	48.45	30.40	19.77	0.0	0.006	19.9	5.64	3.82	86.6	0.0	0.0	0.0

164 DL	5.6	16.7	29.7	0.37	0.004	0.027	0.08	9.34	48.44	32.10	19.90	0.0	0.006	19.9	6.00	3.72	86.8	0.0	0.0	0.0
165 DL	5.4	16.1	29.6	0.36	0.004	0.026	0.08	8.97	48.45	33.30	19.99	0.0	0.006	19.9	6.24	3.87	86.9	0.0	0.0	0.0
166 DL	5.3	15.6	29.5	0.35	0.004	0.025	0.08	8.71	48.45	34.18	20.05	0.0	0.006	19.9	6.43	3.88	87.1	0.0	0.0	0.0
167 DL	5.1	15.2	29.6	0.34	0.004	0.024	0.08	8.54	48.45	34.77	20.10	0.0	0.006	19.9	6.56	3.98	87.3	0.0	0.0	0.0
168 DL	5.0	14.5	28.9	0.33	0.004	0.023	0.08	8.41	48.45	35.26	20.13	0.0	0.006	19.9	6.67	4.12	87.5	0.0	0.0	0.0
169 DL	4.8	13.3	25.3	0.33	0.004	0.021	0.07	8.19	48.44	36.09	20.20	0.0	0.005	18.6	6.45	4.10	87.8	0.0	0.0	0.0
170 DL	4.6	11.9	20.7	0.31	0.004	0.019	0.05	7.73	48.45	38.01	20.34	0.0	0.004	13.8	5.10	4.16	88.0	0.0	0.0	0.0
171 DL	4.6	10.5	14.9	0.28	0.004	0.017	0.04	6.97	48.46	41.59	20.62	0.0	0.003	9.4	3.87	3.09	88.3	0.0	0.0	0.0
172 DL	4.6	9.3	12.7	0.24	0.004	0.015	0.03	6.04	48.46	47.00	21.05	0.0	0.002	5.8	2.80	2.70	88.4	0.0	0.0	0.0
173 DL	4.4	8.4	12.5	0.21	0.003	0.013	0.03	5.34	48.45	52.08	21.48	0.0	0.001	2.7	1.47	2.95	88.6	0.0	0.0	0.0
174 DL	4.2	7.8	13.6	0.20	0.003	0.012	0.04	4.92	48.46	55.68	21.79	0.0	0.000	1.1	0.69	3.19	88.8	0.0	0.0	0.0
175 DL	4.0	7.4	14.7	0.19	0.003	0.012	0.04	4.72	48.46	57.61	21.96	0.0	0.000	0.1	0.09	4.01	89.0	0.0	0.0	0.0
176 DL	3.8	7.0	15.3	0.18	0.003	0.011	0.04	4.62	48.47	58.58	22.05	0.0	0.000	0.0	1.64	4.19	89.2	0.0	0.0	0.0
177 DL	3.7	6.9	15.7	0.18	0.003	0.011	0.04	4.56	48.47	59.19	22.11	0.0	0.000	0.0	1.62	4.48	89.5	0.0	0.0	0.0
178 DL	3.6	6.8	15.9	0.18	0.003	0.011	0.04	4.51	48.47	59.73	22.16	0.0	0.000	0.0	1.60	4.83	89.7	0.0	0.0	0.0
179 DL	3.5	7.3	17.2	0.18	0.003	0.012	0.05	4.47	48.48	60.20	22.20	0.0	0.000	0.0	1.59	5.19	89.8	0.0	0.0	0.0
180 DL	3.5	9.9	20.7	0.18	0.003	0.016	0.05	4.53	48.48	59.51	22.13	0.0	0.000	1.1	0.59	5.32	89.9	0.0	0.0	0.0
181 DL	3.7	15.6	28.0	0.19	0.003	0.025	0.07	4.89	48.48	55.78	21.79	0.0	0.001	3.3	1.88	6.07	90.0	0.0	0.0	0.0
182 DL	4.0	22.8	35.1	0.23	0.003	0.036	0.09	5.69	48.48	49.20	21.22	0.0	0.001	4.2	2.03	9.85	90.4	0.0	0.0	0.0
183 DL	4.4	31.1	40.2	0.27	0.003	0.050	0.11	6.76	48.49	42.48	20.67	0.0	0.001	5.2	2.12	10.47	90.8	0.0	0.0	0.0
184 DL	4.8	41.8	45.1	0.31	0.004	0.067	0.12	7.91	48.48	37.00	20.25	0.0	0.002	6.4	2.23	12.52	91.1	0.0	0.0	0.0
185 DL	5.3	56.9	50.9	0.37	0.004	0.091	0.13	9.17	48.49	32.39	19.90	0.0	0.002	7.5	2.26	15.93	91.3	0.0	0.0	0.0
186 DL	5.9	78.1	58.6	0.42	0.005	0.125	0.15	10.67	48.49	28.20	19.60	0.0	0.002	8.7	2.24	15.04	91.4	0.0	0.0	0.0
187 DL	6.9	104.6	73.9	0.50	0.005	0.167	0.19	12.62	48.49	24.15	19.31	0.0	0.003	10.0	2.18	14.81	91.5	0.0	0.0	0.0
188 DL	8.3	125.2	109.2	0.62	0.007	0.200	0.29	15.55	48.49	19.95	19.02	0.0	0.003	11.8	2.08	15.82	91.7	0.0	0.0	0.0
189 DL	9.7	127.3	158.1	0.79	0.008	0.203	0.42	19.75	48.49	15.99	18.76	0.0	0.004	14.7	2.05	16.09	91.9	0.0	0.0	0.0
190 DL	11.0	114.8	189.0	0.97	0.009	0.183	0.50	24.45	48.47	13.08	18.58	0.0	0.005	17.0	1.93	13.00	92.0	0.0	0.0	0.0
191 DL	12.0	97.1	191.0	1.13	0.010	0.155	0.50	28.35	48.46	11.36	18.48	0.0	0.005	18.8	1.85	11.11	92.1	0.0	0.0	0.0
192 DL	12.5	78.2	147.8	1.22	0.010	0.125	0.39	30.51	48.44	10.59	18.44	0.0	0.006	20.3	1.86	9.72	92.3	0.0	0.0	0.0
193 DL	11.8	61.0	84.6	1.18	0.009	0.097	0.22	29.53	48.39	10.94	18.46	0.0	0.006	20.7	1.98	6.85	92.4	0.0	0.0	0.0
194 DL	10.7	47.2	44.9	1.02	0.008	0.075	0.12	25.51	48.39	12.63	18.56	0.0	0.005	19.3	2.13	3.86	92.6	0.0	0.0	0.0
195 DL	9.5	37.6	34.4	0.83	0.007	0.060	0.09	20.71	48.40	15.42	18.74	0.0	0.005	19.8	2.68	2.48	93.0	0.0	0.0	0.0
196 DL	8.5	31.3	35.1	0.68	0.007	0.050	0.09	16.97	48.41	18.60	18.95	0.0	0.006	19.9	3.29	2.89	93.3	0.0	0.0	0.0
197 DL	7.8	27.6	36.2	0.58	0.006	0.044	0.10	14.44	48.42	21.60	19.15	0.0	0.006	20.0	3.89	4.09	93.6	0.0	0.0	0.0
198 DL	7.2	25.4	36.6	0.51	0.006	0.041	0.10	12.75	48.43	24.22	19.33	0.0	0.006	20.1	4.43	4.94	93.8	0.0	0.0	0.0
199 DL	6.9	24.1	36.3	0.46	0.005	0.038	0.10	11.62	48.43	26.35	19.48	0.0	0.006	20.2	4.88	5.19	94.1	0.0	0.0	0.0
200 DL	6.6	22.5	35.0	0.43	0.005	0.036	0.09	10.87	48.43	27.99	19.60	0.0	0.006	20.2	5.21	5.36	94.4	0.0	0.0	0.0
201 DL	6.3	20.4	32.0	0.41	0.005	0.033	0.08	10.33	48.43	29.32	19.70	0.0	0.006	20.0	5.45	4.83	94.7	0.0	0.0	0.0
202 DL	6.1	18.2	29.9	0.39	0.005	0.029	0.08	9.81	48.44	30.72	19.80	0.0	0.006	20.0	5.73	3.80	94.9	0.0	0.0	0.0
203 DL	6.0	16.3	28.7	0.37	0.005	0.026	0.08	9.31	48.44	32.21	19.91	0.0	0.006	20.0	6.03	3.49	95.2	0.0	0.0	0.0
204 DL	5.8	14.9	28.1	0.35	0.005	0.024	0.07	8.85	48.44	33.69	20.01	0.0	0.006	19.9	6.33	3.43	95.5	0.0	0.0	0.0
205 DL	5.8	13.4	27.8	0.34	0.005	0.021	0.07	8.50	48.44	34.93	20.11	0.0	0.006	19.9	6.59	3.45	95.7	0.0	0.0	0.0
206 DL	5.6	12.3	27.6	0.32	0.004	0.020	0.07	8.11	48.45	36.41	20.22	0.0	0.006	19.9	6.90	3.53	95.9	0.0	0.0	0.0
207 DL	5.5	11.7	27.5	0.31	0.004	0.019	0.07	7.82	48.45	37.58	20.31	0.0	0.006	19.8	7.14	3.59	96.0	0.0	0.0	0.0
208 DL	5.5	11.3	27.3	0.31	0.004	0.018	0.07	7.66	48.44	38.29	20.36	0.0	0.006	19.9	7.30	3.67	96.1	0.0	0.0	0.0
209 DL	5.3	10.8	24.9	0.30	0.004	0.017	0.07	7.53	48.45	38.88	20.41	0.0	0.005	18.8	7.11	3.62	96.1	0.0	0.0	0.0
210 DL	5.1	10.0	20.9	0.29	0.004	0.016	0.05	7.25	48.45	40.15	20.51	0.0	0.004	13.8	5.42	3.64	96.2	0.0	0.0	0.0
211 DL	5.1	9.1	15.1	0.27	0.004	0.015	0.04	6.72	48.45	42.89	20.72	0.0	0.003	9.4	4.03	2.83	96.5	0.0	0.0	0.0
212 DL	5.1	8.1	12.8	0.24	0.004	0.013	0.03	5.93	48.47	47.77	21.11	0.0	0.002	6.2	3.02	2.69	96.8	0.0	0.0	0.0
213 DL	4.9	7.2	12.3	0.21	0.004	0.011	0.03	5.17	48.47	53.54	21.60	0.0	0.001	3.2	1.81	3.08	97.0	0.0	0.0	0.0
214 DL	4.7	6.6	13.1	0.18	0.004	0.011	0.03	4.68	48.92	58.40	22.03	0.0	0.000	1.6	0.97	3.21	97.2	0.0	0.0	0.0
215 DL	4.5	6.2	14.2	0.17	0.004	0.010	0.04	4.38	48.47	61.09	22.28	0.0	0.000	0.4	0.32	3.81	97.5	0.0	0.0	0.0
216 DL	4.3	6.2	14.9	0.17	0.003	0.010	0.04	4.30	48.47	62.01	22.36	0.0	0.000	0.1	0.05	4.23	97.6	0.0	0.0	0.0
217 DL	4.2	6.2	15.6	0.17	0.003	0.010	0.04	4.31	48.48	61.99	22.36	0.0	0.000	0.0	1.53	4.54	97.8	0.0	0.0	0.0
218 DL	4.1	6.3	15.9	0.17	0.003	0.010	0.04	4.32	48.47	61.81	22.35	0.0	0.000	0.0	1.54	4.80	97.9	0.0	0.0	0.0
219 DL	4.0	6.6	16.9	0.17	0.003	0.011	0.04	4.34	48.48	61.62	22.33	0.0	0.000	0.0	1.54	4.90	97.9	0.0	0.0	0.0
220 DL	4.0	9.4	20.6	0.18	0.003	0.015	0.05	4.41	48.48	60.73	22.24	0.0	0.000	0.7	0.38	4.73	98.1	0.0	0.0	0.0
221 DL	4.2	16.2	28.1	0.19	0.003	0.026	0.07	4.80	48.48	56.69	21.87	0.0	0.001	3.5	2.00	5.37	98.2	0.0	0.0	0.0
222 DL	4.6	24.7	35.6	0.23	0.004	0.040	0.09	5.67	48.49	49.35	21.23	0.0	0.001	4.3	2.10	9.96	98.4	0.0	0.0	0.0

223	DL	5.0	34.3	41.1	0.27	0.004	0.055	0.11	6.84	48.49	42.01	20.63	0.0	0.001	5.4	2.16	10.76	98.5	0.0	0.0	0.0
224	DL	5.4	46.6	47.2	0.32	0.004	0.074	0.12	8.11	48.49	36.16	20.18	0.0	0.002	6.6	2.25	12.71	98.7	0.0	0.0	0.0
225	DL	6.0	63.6	54.3	0.38	0.005	0.102	0.14	9.52	48.49	31.30	19.82	0.0	0.002	7.9	2.27	15.29	98.8	0.0	0.0	0.0
226	DL	6.7	87.3	65.0	0.44	0.005	0.139	0.17	11.18	48.49	27.01	19.51	0.0	0.003	9.1	2.25	14.83	99.0	0.0	0.0	0.0
227	DL	7.8	111.8	88.6	0.53	0.006	0.179	0.23	13.34	48.49	22.95	19.22	0.0	0.003	10.7	2.20	15.46	99.1	0.0	0.0	0.0
228	DL	9.3	123.2	134.5	0.66	0.007	0.197	0.35	16.55	48.49	18.85	18.95	0.0	0.003	12.7	2.10	15.92	99.1	0.0	0.0	0.0
229	DL	10.6	117.3	179.4	0.83	0.008	0.187	0.47	20.83	48.48	15.22	18.72	0.0	0.004	15.7	2.09	13.67	99.2	0.0	0.0	0.0
230	DL	11.8	101.9	194.1	1.01	0.009	0.163	0.51	25.30	48.46	12.67	18.56	0.0	0.005	17.9	1.96	10.79	99.3	0.0	0.0	0.0
231	DL	12.5	83.7	163.1	1.14	0.010	0.134	0.43	28.71	48.44	11.23	18.47	0.0	0.005	19.7	1.91	9.70	99.5	0.0	0.0	0.0
232	DL	12.4	67.9	113.0	1.17	0.010	0.108	0.30	29.39	48.40	10.98	18.46	0.0	0.006	20.1	1.92	7.36	99.7	0.0	0.0	0.0
233	DL	11.5	55.2	77.4	1.08	0.009	0.088	0.20	27.06	48.39	11.91	18.52	0.0	0.006	20.9	2.18	4.66	100.0	0.0	0.0	0.0
234	DL	10.3	44.9	54.0	0.93	0.008	0.072	0.14	23.32	48.39	13.75	18.64	0.0	0.006	20.0	2.41	3.04	100.4	0.0	0.0	0.0
235	DL	9.2	36.6	40.8	0.78	0.007	0.058	0.11	19.56	48.40	16.26	18.80	0.0	0.006	20.0	2.88	2.45	100.6	0.0	0.0	0.0
236	DL	8.3	30.1	35.0	0.66	0.007	0.048	0.09	16.46	48.42	19.13	18.99	0.0	0.006	20.0	3.42	2.57	100.8	0.0	0.0	0.0
237	DL	7.7	25.1	32.9	0.56	0.006	0.040	0.09	14.04	48.42	22.17	19.19	0.0	0.006	20.0	4.01	2.95	100.9	0.0	0.0	0.0
238	DL	7.2	21.6	32.3	0.49	0.006	0.034	0.08	12.24	48.42	25.14	19.40	0.0	0.006	20.0	4.60	3.46	101.2	0.0	0.0	0.0
239	DL	6.9	19.2	32.3	0.44	0.005	0.031	0.08	10.93	48.43	27.87	19.59	0.0	0.006	20.1	5.16	3.68	101.4	0.0	0.0	0.0
240	DL	6.7	17.9	32.0	0.40	0.005	0.029	0.08	10.06	48.43	30.04	19.75	0.0	0.006	20.1	5.62	3.90	101.7	0.0	0.0	0.0
241	DL	6.6	17.0	31.4	0.38	0.005	0.027	0.08	9.51	48.43	31.58	19.86	0.0	0.006	20.1	5.95	4.04	102.0	0.0	0.0	0.0
242	DL	6.4	16.0	30.3	0.36	0.005	0.026	0.08	9.13	48.43	32.76	19.95	0.0	0.006	20.1	6.18	3.86	102.2	0.0	0.0	0.0
243	DL	6.3	15.1	28.8	0.35	0.005	0.024	0.08	8.83	48.43	33.76	20.02	0.0	0.006	20.0	6.37	3.57	102.4	0.0	0.0	0.0
244	DL	6.2	14.2	27.9	0.34	0.005	0.023	0.07	8.54	48.44	34.77	20.10	0.0	0.006	20.0	6.59	3.59	102.6	0.0	0.0	0.0
245	DL	6.1	13.1	27.5	0.33	0.005	0.021	0.07	8.28	48.44	35.75	20.17	0.0	0.006	20.0	6.80	3.59	102.8	0.0	0.0	0.0
246	DL	6.0	12.0	27.5	0.32	0.005	0.019	0.07	7.98	48.44	36.91	20.26	0.0	0.006	20.0	7.04	3.47	103.0	0.0	0.0	0.0
247	DL	5.9	11.1	27.2	0.31	0.005	0.018	0.07	7.71	48.44	38.07	20.35	0.0	0.006	19.9	7.27	3.38	103.2	0.0	0.0	0.0
248	DL	5.8	10.3	26.0	0.30	0.005	0.016	0.07	7.47	48.45	39.14	20.43	0.0	0.006	19.9	7.50	3.46	103.3	0.0	0.0	0.0
249	DL	5.6	9.5	22.9	0.29	0.004	0.015	0.06	7.22	48.44	40.32	20.52	0.0	0.005	18.3	7.23	3.38	103.5	0.0	0.0	0.0
250	DL	5.5	8.9	18.0	0.27	0.004	0.014	0.05	6.84	48.44	42.25	20.67	0.0	0.004	13.6	5.68	3.09	103.7	0.0	0.0	0.0
251	DL	5.5	8.2	13.2	0.25	0.004	0.013	0.03	6.27	48.45	45.53	20.93	0.0	0.003	9.5	4.33	2.34	103.8	0.0	0.0	0.0
252	DL	5.4	7.6	12.0	0.22	0.004	0.012	0.03	5.59	48.46	50.13	21.31	0.0	0.002	6.5	3.34	2.82	103.9	0.0	0.0	0.0
253	DL	5.2	6.8	11.9	0.20	0.004	0.011	0.03	5.03	48.46	54.69	21.70	0.0	0.001	3.2	1.87	3.07	104.0	0.0	0.0	0.0
254	DL	5.0	6.2	13.0	0.18	0.004	0.010	0.03	4.61	48.46	58.71	22.06	0.0	0.000	1.6	0.98	3.34	104.2	0.0	0.0	0.0
255	DL	4.8	5.7	14.1	0.17	0.004	0.009	0.04	4.34	48.46	61.60	22.33	0.0	0.000	0.4	0.26	4.23	104.4	0.0	0.0	0.0
256	DL	4.6	5.5	15.1	0.17	0.004	0.009	0.04	4.17	48.47	63.52	22.51	0.0	0.000	0.0	0.00	4.46	104.5	0.0	0.0	0.0
257	DL	4.5	5.7	15.6	0.16	0.004	0.009	0.04	4.11	48.47	64.35	22.58	0.0	0.000	0.0	1.46	4.76	104.6	0.0	0.0	0.0
258	DL	4.4	5.9	15.7	0.16	0.003	0.009	0.04	4.10	48.47	64.47	22.60	0.0	0.000	0.0	1.46	4.97	104.8	0.0	0.0	0.0
259	DL	4.3	6.4	16.7	0.16	0.003	0.010	0.04	4.11	48.47	64.24	22.57	0.0	0.000	0.0	1.46	4.96	104.9	0.0	0.0	0.0
260	DL	4.3	9.1	20.5	0.17	0.003	0.015	0.05	4.22	48.48	62.94	22.45	0.0	0.000	0.6	0.31	5.11	105.1	0.0	0.0	0.0
261	DL	4.6	15.7	28.0	0.18	0.004	0.025	0.07	4.58	48.48	58.82	22.06	0.0	0.001	3.5	2.08	5.74	105.2	0.0	0.0	0.0
262	DL	4.9	24.7	35.9	0.21	0.004	0.039	0.09	5.38	48.49	51.52	21.41	0.0	0.001	4.3	2.19	10.42	105.3	0.0	0.0	0.0
263	DL	5.4	36.1	42.0	0.26	0.004	0.058	0.11	6.51	48.48	43.78	20.77	0.0	0.001	5.4	2.27	11.12	105.4	0.0	0.0	0.0
264	DL	5.8	51.4	48.8	0.31	0.005	0.082	0.13	7.87	48.49	37.10	20.25	0.0	0.002	6.7	2.34	13.28	105.5	0.0	0.0	0.0
265	DL	6.4	71.8	56.1	0.38	0.005	0.115	0.15	9.51	48.49	31.28	19.81	0.0	0.002	7.9	2.29	15.81	105.6	0.0	0.0	0.0
266	DL	7.0	96.2	65.2	0.46	0.006	0.154	0.17	11.48	48.49	26.33	19.46	0.0	0.003	9.2	2.20	15.00	105.7	0.0	0.0	0.0
267	DL	8.0	120.9	85.3	0.55	0.006	0.193	0.22	13.77	48.48	22.27	19.18	0.0	0.003	10.6	2.12	15.19	105.9	0.0	0.0	0.0
268	DL	9.3	135.9	126.9	0.67	0.007	0.217	0.33	16.75	48.49	18.59	18.93	0.0	0.003	12.7	2.07	15.87	106.1	0.0	0.0	0.0
269	DL	10.7	134.7	174.3	0.82	0.008	0.215	0.46	20.49	48.47	15.41	18.73	0.0	0.004	15.7	2.11	14.27	106.3	0.0	0.0	0.0
270	DL	11.9	121.5	195.5	0.97	0.009	0.194	0.51	24.39	48.47	13.09	18.58	0.0	0.005	17.7	2.02	11.26	106.4	0.0	0.0	0.0
271	DL	12.8	102.0	176.5	1.10	0.010	0.163	0.46	27.61	48.45	11.64	18.50	0.0	0.005	19.6	1.98	10.11	106.6	0.0	0.0	0.0
272	DL	12.9	80.9	133.6	1.16	0.010	0.129	0.35	28.97	48.41	11.12	18.47	0.0	0.006	20.4	1.97	8.04	106.9	0.0	0.0	0.0
273	DL	12.1	62.0	94.0	1.10	0.010	0.099	0.25	27.58	48.38	11.68	18.50	0.0	0.006	21.5	2.19	5.09	107.1	0.0	0.0	0.0
274	DL	10.9	47.5	61.0	0.96	0.009	0.076	0.16	23.97	48.38	13.39	18.61	0.0	0.006	20.4	2.40	3.60	107.4	0.0	0.0	0.0
275	DL	9.8	37.2	37.2	0.79	0.008	0.059	0.10	19.81	48.40	16.07	18.79	0.0	0.006	19.9	2.83	2.54	107.6	0.0	0.0	0.0
276	DL	8.9	30.5	26.8	0.65	0.007	0.049	0.07	16.19	48.41	19.43	19.01	0.0	0.006	19.9	3.46	2.01	107.9	0.0	0.0	0.0
277	DL	8.3	26.3	24.2	0.54	0.007	0.042	0.06	13.59	48.41	22.84	19.24	0.0	0.006	19.8	4.10	2.14	108.1	0.0	0.0	0.0
278	DL	7.9	23.3	24.2	0.47	0.006	0.037	0.06	11.90	48.42	25.79	19.44	0.0	0.006	19.8	4.68	2.46	108.3	0.0	0.0	0.0
279	DL	7.6	21.0	25.6	0.43	0.006	0.034	0.07	10.81	48.42	28.14	19.61	0.0	0.005	19.8	5.14	2.74	108.5	0.0	0.0	0.0
280	DL	7.4	19.3	27.7	0.40	0.006	0.031	0.07	10.03	48.42	30.09	19.75	0.0	0.006	19.8	5.55	3.22	108.8	0.0	0.0	0.0
281	DL	7.2	18.1	29.8	0.38	0.006	0.029	0.08	9.46	48.43	31.70	19.87	0.0	0.006	19.9	5.91	3.73	109.1	0.0	0.0	0.0

282	DL	7.1	17.6	31.7	0.36	0.006	0.028	0.08	9.06	48.43	32.97	19.96	0.0	0.006	20.0	6.21	4.28	109.4	0.0	0.0	0.0
283	DL	6.9	17.4	32.9	0.35	0.005	0.028	0.09	8.79	48.44	33.87	20.03	0.0	0.006	20.2	6.44	4.77	109.6	0.0	0.0	0.0
284	DL	6.8	17.5	33.8	0.34	0.005	0.028	0.09	8.65	48.43	34.35	20.06	0.0	0.006	20.2	6.57	5.17	109.7	0.0	0.0	0.0
285	DL	6.7	17.2	33.3	0.34	0.005	0.027	0.09	8.60	48.43	34.50	20.07	0.0	0.006	20.3	6.62	5.31	110.0	0.0	0.0	0.0
286	DL	6.5	16.1	31.0	0.34	0.005	0.026	0.08	8.57	48.44	34.65	20.09	0.0	0.006	20.1	6.60	4.91	110.2	0.0	0.0	0.0
287	DL	6.4	14.8	28.3	0.33	0.005	0.024	0.07	8.41	48.44	35.24	20.13	0.0	0.006	20.1	6.71	3.95	110.4	0.0	0.0	0.0
288	DL	6.2	13.4	25.4	0.32	0.005	0.021	0.07	8.15	48.44	36.24	20.21	0.0	0.006	20.0	6.92	3.31	110.6	0.0	0.0	0.0
289	DL	6.1	11.8	21.4	0.31	0.005	0.019	0.06	7.78	48.44	37.76	20.32	0.0	0.005	18.7	6.81	3.26	110.8	0.0	0.0	0.0
290	DL	5.9	10.3	16.2	0.29	0.005	0.017	0.04	7.22	48.45	40.29	20.52	0.0	0.004	14.1	5.57	2.97	110.9	0.0	0.0	0.0
291	DL	5.9	9.1	11.9	0.26	0.005	0.014	0.03	6.44	48.46	44.53	20.85	0.0	0.003	10.1	4.48	2.12	111.1	0.0	0.0	0.0
292	DL	5.8	7.8	11.2	0.22	0.005	0.012	0.03	5.55	48.45	50.43	21.33	0.0	0.002	6.7	3.49	2.41	111.2	0.0	0.0	0.0
293	DL	5.6	6.8	11.4	0.19	0.004	0.011	0.03	4.81	48.46	56.68	21.88	0.0	0.001	3.3	2.04	2.88	111.3	0.0	0.0	0.0
294	DL	5.4	6.1	12.9	0.17	0.004	0.010	0.03	4.32	48.46	61.77	22.34	0.0	0.000	1.5	0.97	3.30	111.3	0.0	0.0	0.0
295	DL	5.2	5.9	14.3	0.16	0.004	0.009	0.04	4.10	48.46	64.40	22.59	0.0	0.000	0.4	0.28	4.07	111.4	0.0	0.0	0.0
296	DL	5.0	5.8	14.9	0.16	0.004	0.009	0.04	4.05	48.47	65.01	22.65	0.0	0.000	0.1	0.04	4.19	111.5	0.0	0.0	0.0
297	DL	4.8	5.9	15.5	0.16	0.004	0.009	0.04	4.08	48.46	64.63	22.61	0.0	0.000	0.0	1.45	4.40	111.6	0.0	0.0	0.0
298	DL	4.7	5.9	16.0	0.16	0.004	0.009	0.04	4.12	48.47	64.11	22.56	0.0	0.000	0.0	1.47	4.68	111.7	0.0	0.0	0.0
299	DL	4.6	6.3	16.8	0.17	0.004	0.010	0.04	4.16	48.47	63.64	22.52	0.0	0.000	0.0	1.48	4.72	111.7	0.0	0.0	0.0
300	DL	4.6	9.2	20.4	0.17	0.004	0.015	0.05	4.25	48.48	62.57	22.41	0.0	0.000	0.5	0.25	4.57	111.9	0.0	0.0	0.0
301	DL	4.9	16.9	28.7	0.18	0.004	0.027	0.08	4.60	48.49	58.56	22.04	0.0	0.001	3.5	2.10	5.23	112.1	0.0	0.0	0.0
302	DL	5.4	28.0	37.6	0.22	0.004	0.045	0.10	5.51	48.49	50.49	21.32	0.0	0.001	4.5	2.23	9.52	112.3	0.0	0.0	0.0
303	DL	5.9	41.3	45.0	0.27	0.005	0.066	0.12	6.88	48.49	41.73	20.61	0.0	0.002	5.7	2.28	10.96	112.5	0.0	0.0	0.0
304	DL	6.5	59.6	53.5	0.33	0.005	0.095	0.14	8.41	48.48	34.92	20.08	0.0	0.002	7.1	2.32	14.11	112.7	0.0	0.0	0.0
305	DL	7.2	84.6	63.3	0.40	0.006	0.135	0.17	10.16	48.49	29.44	19.68	0.0	0.002	8.5	2.29	15.46	112.9	0.0	0.0	0.0
306	DL	8.2	111.9	84.7	0.49	0.007	0.179	0.22	12.26	48.49	24.76	19.35	0.0	0.003	10.1	2.25	15.89	113.1	0.0	0.0	0.0
307	DL	9.6	126.5	129.3	0.61	0.008	0.202	0.34	15.26	48.49	20.28	19.04	0.0	0.003	12.1	2.16	16.14	113.2	0.0	0.0	0.0
308	DL	11.1	121.9	178.6	0.77	0.009	0.195	0.47	19.40	48.48	16.26	18.78	0.0	0.004	15.2	2.15	14.18	113.3	0.0	0.0	0.0
309	DL	12.5	106.6	202.6	0.95	0.010	0.170	0.53	23.82	48.46	13.41	18.61	0.0	0.005	17.4	2.03	10.72	113.3	0.0	0.0	0.0
310	DL	13.8	87.6	191.0	1.10	0.011	0.140	0.50	27.67	48.44	11.63	18.50	0.0	0.005	19.3	1.95	9.20	113.3	0.0	0.0	0.0
311	DL	14.0	68.4	126.1	1.18	0.011	0.109	0.33	29.63	48.42	10.90	18.45	0.0	0.006	20.5	1.94	8.26	113.4	0.0	0.0	0.0
312	DL	13.1	52.7	71.2	1.11	0.010	0.084	0.19	27.72	48.38	11.64	18.50	0.0	0.006	20.4	2.08	5.51	113.4	0.0	0.0	0.0
313	DL	11.8	42.0	42.8	0.93	0.009	0.067	0.11	23.26	48.38	13.80	18.64	0.0	0.005	19.3	2.34	3.30	113.7	0.0	0.0	0.0
314	DL	10.6	35.8	34.3	0.75	0.008	0.057	0.09	18.88	48.39	16.81	18.83	0.0	0.005	19.8	2.95	2.42	114.0	0.0	0.0	0.0
315	DL	9.7	32.7	36.5	0.63	0.008	0.052	0.10	15.77	48.40	19.87	19.04	0.0	0.006	20.1	3.58	3.10	114.3	0.0	0.0	0.0
316	DL	8.9	30.9	37.5	0.55	0.007	0.049	0.10	13.92	48.41	22.30	19.20	0.0	0.006	20.3	4.09	4.79	114.6	0.0	0.0	0.0
317	DL	8.3	28.5	33.9	0.51	0.007	0.045	0.09	12.70	48.42	24.27	19.34	0.0	0.006	20.0	4.42	5.54	114.8	0.0	0.0	0.0
318	DL	8.0	24.9	24.5	0.46	0.006	0.040	0.06	11.55	48.42	26.48	19.49	0.0	0.005	19.1	4.64	5.06	115.1	0.0	0.0	0.0
319	DL	8.0	21.3	20.2	0.40	0.006	0.034	0.05	10.16	48.42	29.77	19.72	0.0	0.005	19.5	5.39	2.95	115.4	0.0	0.0	0.0
320	DL	7.9	18.9	24.3	0.36	0.006	0.030	0.06	8.91	48.43	33.45	19.99	0.0	0.005	19.6	6.18	2.70	115.7	0.0	0.0	0.0
321	DL	7.8	17.9	29.3	0.33	0.006	0.029	0.08	8.22	48.43	35.91	20.18	0.0	0.005	19.8	6.76	3.78	115.9	0.0	0.0	0.0
322	DL	7.7	18.1	32.9	0.32	0.006	0.029	0.09	7.98	48.43	36.83	20.25	0.0	0.006	20.0	7.03	4.85	116.0	0.0	0.0	0.0
323	DL	7.5	18.8	34.6	0.32	0.006	0.030	0.09	8.02	48.43	36.68	20.24	0.0	0.006	20.1	7.04	5.58	116.3	0.0	0.0	0.0
324	DL	7.3	19.1	34.7	0.32	0.006	0.031	0.09	8.15	48.44	36.14	20.20	0.0	0.006	20.2	6.96	5.94	116.4	0.0	0.0	0.0
325	DL	7.1	18.7	33.8	0.33	0.006	0.030	0.09	8.27	48.45	35.73	20.17	0.0	0.006	20.3	6.89	5.77	116.5	0.0	0.0	0.0
326	DL	6.9	17.3	31.0	0.33	0.005	0.028	0.08	8.28	48.44	35.69	20.16	0.0	0.006	20.1	6.82	5.13	116.7	0.0	0.0	0.0
327	DL	6.7	15.4	27.7	0.32	0.005	0.025	0.07	8.12	48.44	36.33	20.21	0.0	0.006	20.1	6.95	3.82	116.9	0.0	0.0	0.0
328	DL	6.6	13.4	25.6	0.31	0.005	0.021	0.07	7.82	48.44	37.56	20.31	0.0	0.006	20.0	7.19	3.42	117.0	0.0	0.0	0.0
329	DL	6.4	11.4	22.3	0.30	0.005	0.018	0.06	7.42	48.44	39.34	20.44	0.0	0.005	18.8	7.19	3.30	117.2	0.0	0.0	0.0
330	DL	6.3	9.6	17.6	0.27	0.005	0.015	0.05	6.86	48.45	42.14	20.66	0.0	0.004	14.0	5.80	3.08	117.3	0.0	0.0	0.0
331	DL	6.2	8.4	13.4	0.24	0.005	0.013	0.04	6.09	48.45	46.66	21.02	0.0	0.003	9.4	4.45	2.43	117.4	0.0	0.0	0.0
332	DL	6.1	7.6	12.6	0.21	0.005	0.012	0.03	5.28	48.45	52.53	21.51	0.0	0.002	6.4	3.46	2.90	117.6	0.0	0.0	0.0
333	DL	5.9	7.0	12.4	0.19	0.005	0.011	0.03	4.69	48.45	57.82	21.98	0.0	0.001	3.3	2.05	3.16	117.7	0.0	0.0	0.0
334	DL	5.7	6.6	13.4	0.17	0.004	0.011	0.04	4.36	48.46	61.28	22.30	0.0	0.000	1.5	1.01	3.39	117.7	0.0	0.0	0.0
335	DL	5.5	6.3	14.4	0.17	0.004	0.010	0.04	4.23	48.46	62.84	22.44	0.0	0.000	0.4	0.30	3.95	117.8	0.0	0.0	0.0
336	DL	5.3	6.2	15.1	0.17	0.004	0.010	0.04	4.18	48.46	63.43	22.50	0.0	0.000	0.1	0.04	4.15	118.0	0.0	0.0	0.0
337	DL	5.1	6.1	15.8	0.17	0.004	0.010	0.04	4.16	48.47	63.68	22.52	0.0	0.000	0.0	1.48	4.30	118.1	0.0	0.0	0.0
338	DL	5.0	6.0	16.1	0.17	0.004	0.010	0.04	4.15	48.48	63.83	22.53	0.0	0.000	0.0	1.48	4.60	118.3	0.0	0.0	0.0
339	DL	4.9	6.2	17.1	0.16	0.004	0.010	0.04	4.14	48.47	63.95	22.55	0.0	0.000	0.0	1.47	4.70	118.4	0.0	0.0	0.0
340	DL	5.0	9.5	21.3	0.17	0.004	0.015	0.06	4.22	48.49	62.87	22.44	0.0	0.000	0.8	0.40	4.66	118.5	0.0	0.0	0.0

341 DL	5.3	17.6	30.5	0.18	0.004	0.028	0.08	4.64	48.48	58.12	22.00	0.0	0.001	3.7	2.18	5.52	118.6	0.0	0.0	0.0
342 DL	5.8	28.5	39.6	0.22	0.005	0.046	0.10	5.62	48.48	49.63	21.25	0.0	0.001	4.7	2.27	10.04	118.8	0.0	0.0	0.0
343 DL	6.3	43.2	47.8	0.28	0.005	0.069	0.13	6.96	48.49	41.29	20.57	0.0	0.002	6.0	2.35	11.43	118.8	0.0	0.0	0.0
344 DL	6.9	64.9	56.8	0.34	0.005	0.104	0.15	8.52	48.49	34.49	20.05	0.0	0.002	7.4	2.40	14.62	119.0	0.0	0.0	0.0
345 DL	7.8	93.1	70.1	0.41	0.006	0.149	0.18	10.40	48.49	28.77	19.63	0.0	0.002	8.9	2.35	15.64	119.1	0.0	0.0	0.0
346 DL	9.1	117.6	102.1	0.51	0.007	0.188	0.27	12.92	48.49	23.62	19.27	0.0	0.003	10.7	2.27	16.23	119.1	0.0	0.0	0.0
347 DL	10.7	124.2	155.4	0.66	0.008	0.198	0.41	16.67	48.49	18.72	18.94	0.0	0.004	13.0	2.14	15.32	119.2	0.0	0.0	0.0
348 DL	12.2	114.7	197.4	0.85	0.010	0.183	0.52	21.33	48.47	14.89	18.70	0.0	0.004	16.1	2.09	12.72	119.2	0.0	0.0	0.0
349 DL	13.7	99.3	211.7	1.03	0.011	0.159	0.56	25.84	48.46	12.42	18.54	0.0	0.005	18.1	1.95	10.03	119.2	0.0	0.0	0.0
350 DL	14.9	81.9	185.2	1.17	0.012	0.131	0.49	29.48	48.44	10.95	18.46	0.0	0.006	20.0	1.90	8.93	119.3	0.0	0.0	0.0
351 DL	14.9	65.0	106.9	1.22	0.012	0.104	0.28	30.53	48.40	10.59	18.44	0.0	0.006	21.1	1.94	8.13	119.4	0.0	0.0	0.0
352 DL	13.7	51.6	49.7	1.09	0.011	0.082	0.13	27.27	48.36	11.83	18.51	0.0	0.005	19.6	2.03	5.37	119.6	0.0	0.0	0.0
353 DL	12.3	42.5	36.6	0.88	0.010	0.068	0.10	22.16	48.38	14.45	18.68	0.0	0.006	20.0	2.53	3.45	120.0	0.0	0.0	0.0
354 DL	11.1	36.6	37.4	0.72	0.009	0.058	0.10	18.08	48.39	17.49	18.88	0.0	0.006	20.2	3.14	3.45	120.3	0.0	0.0	0.0
355 DL	10.1	32.0	37.7	0.61	0.008	0.051	0.10	15.40	48.40	20.31	19.07	0.0	0.006	20.3	3.70	4.15	120.6	0.0	0.0	0.0
356 DL	9.4	27.5	35.7	0.54	0.007	0.044	0.09	13.57	48.41	22.84	19.24	0.0	0.006	20.3	4.21	4.63	120.8	0.0	0.0	0.0
357 DL	8.7	22.8	30.6	0.48	0.007	0.036	0.08	12.08	48.42	25.44	19.42	0.0	0.006	19.9	4.64	4.44	121.0	0.0	0.0	0.0
358 DL	8.3	18.9	25.8	0.42	0.007	0.030	0.07	10.64	48.42	28.56	19.64	0.0	0.006	19.9	5.25	3.35	121.3	0.0	0.0	0.0
359 DL	8.1	16.2	24.3	0.37	0.006	0.026	0.06	9.38	48.43	31.99	19.89	0.0	0.006	19.9	5.97	2.90	121.5	0.0	0.0	0.0
360 DL	7.9	14.9	25.1	0.34	0.006	0.024	0.07	8.52	48.43	34.82	20.10	0.0	0.006	19.9	6.55	2.96	121.7	0.0	0.0	0.0
361 DL	7.7	14.2	26.4	0.32	0.006	0.023	0.07	8.03	48.43	36.65	20.24	0.0	0.006	19.9	6.95	3.22	121.9	0.0	0.0	0.0
362 DL	7.6	13.7	27.3	0.31	0.006	0.022	0.07	7.78	48.44	37.69	20.32	0.0	0.006	19.9	7.19	3.49	122.0	0.0	0.0	0.0
363 DL	7.4	13.2	28.2	0.30	0.006	0.021	0.07	7.65	48.43	38.25	20.36	0.0	0.006	20.0	7.33	3.63	122.1	0.0	0.0	0.0
364 DL	7.3	12.8	28.9	0.30	0.006	0.021	0.08	7.57	48.43	38.62	20.39	0.0	0.006	20.0	7.43	3.93	122.3	0.0	0.0	0.0
365 DL	7.2	12.3	30.0	0.30	0.006	0.020	0.08	7.52	48.44	38.87	20.41	0.0	0.006	20.1	7.51	4.17	122.4	0.0	0.0	0.0
366 DL	7.1	12.1	30.8	0.30	0.006	0.019	0.08	7.47	48.44	39.10	20.43	0.0	0.006	20.2	7.59	4.27	122.6	0.0	0.0	0.0
367 DL	7.0	11.9	31.0	0.30	0.006	0.019	0.08	7.44	48.44	39.22	20.43	0.0	0.006	20.2	7.64	4.48	122.8	0.0	0.0	0.0
368 DL	6.9	11.7	29.6	0.30	0.005	0.019	0.08	7.44	48.44	39.21	20.43	0.0	0.006	20.3	7.66	4.66	123.0	0.0	0.0	0.0
369 DL	6.7	11.0	25.6	0.29	0.005	0.018	0.07	7.36	48.44	39.61	20.47	0.0	0.005	18.5	7.14	4.51	123.1	0.0	0.0	0.0
370 DL	6.5	10.2	20.4	0.28	0.005	0.016	0.05	7.06	48.44	41.09	20.58	0.0	0.004	14.2	5.75	4.12	123.2	0.0	0.0	0.0
371 DL	6.4	9.3	14.6	0.26	0.005	0.015	0.04	6.51	48.45	44.08	20.82	0.0	0.003	9.8	4.33	3.07	123.3	0.0	0.0	0.0
372 DL	6.2	8.3	12.3	0.23	0.005	0.013	0.03	5.79	48.45	48.63	21.19	0.0	0.002	6.8	3.37	3.11	123.4	0.0	0.0	0.0
373 DL	6.1	7.2	11.7	0.20	0.005	0.011	0.03	5.12	48.45	53.84	21.63	0.0	0.001	3.6	2.08	3.36	123.5	0.0	0.0	0.0
374 DL	5.9	6.3	12.8	0.18	0.005	0.010	0.03	4.61	48.46	58.67	22.06	0.0	0.001	1.7	1.12	3.55	123.6	0.0	0.0	0.0
375 DL	5.7	5.7	13.9	0.17	0.005	0.009	0.04	4.29	48.46	62.18	22.38	0.0	0.000	0.4	0.25	4.20	123.7	0.0	0.0	0.0
376 DL	5.5	5.4	14.9	0.16	0.004	0.009	0.04	4.10	48.46	64.41	22.59	0.0	0.000	0.1	0.06	4.45	123.7	0.0	0.0	0.0
377 DL	5.4	5.3	15.7	0.16	0.004	0.009	0.04	4.01	48.47	65.52	22.70	0.0	0.000	0.0	1.43	4.73	123.9	0.0	0.0	0.0
378 DL	5.2	5.4	16.1	0.16	0.004	0.009	0.04	4.00	48.47	65.71	22.71	0.0	0.000	0.0	1.42	5.12	124.0	0.0	0.0	0.0
379 DL	5.1	6.1	17.3	0.16	0.004	0.010	0.05	4.03	48.47	65.30	22.67	0.0	0.000	0.0	1.43	5.28	124.2	0.0	0.0	0.0
380 DL	5.2	10.2	22.0	0.17	0.004	0.016	0.06	4.16	48.48	63.56	22.50	0.0	0.000	0.9	0.51	5.25	124.3	0.0	0.0	0.0
381 DL	5.6	19.6	31.2	0.18	0.004	0.031	0.08	4.62	48.49	58.33	22.01	0.0	0.001	3.8	2.27	6.52	124.4	0.0	0.0	0.0
382 DL	6.1	32.9	39.8	0.22	0.005	0.053	0.10	5.60	48.48	49.69	21.25	0.0	0.001	4.7	2.32	11.09	124.5	0.0	0.0	0.0
383 DL	6.6	50.7	47.1	0.28	0.005	0.081	0.12	7.01	48.49	40.99	20.54	0.0	0.002	6.1	2.39	12.49	124.5	0.0	0.0	0.0
384 DL	7.2	74.6	56.0	0.35	0.006	0.119	0.15	8.75	48.49	33.65	19.98	0.0	0.002	7.5	2.34	16.07	124.5	0.0	0.0	0.0
385 DL	7.9	103.5	67.1	0.43	0.006	0.165	0.18	10.82	48.48	27.73	19.55	0.0	0.002	8.9	2.25	16.56	124.7	0.0	0.0	0.0
386 DL	9.0	129.8	91.6	0.53	0.007	0.207	0.24	13.27	48.48	22.99	19.22	0.0	0.003	10.5	2.17	16.62	124.7	0.0	0.0	0.0
387 DL	10.4	140.5	139.0	0.66	0.008	0.225	0.36	16.53	48.48	18.81	18.94	0.0	0.003	12.6	2.08	15.88	124.8	0.0	0.0	0.0
388 DL	12.0	134.0	186.2	0.82	0.009	0.214	0.49	20.52	48.48	15.39	18.73	0.0	0.004	15.7	2.11	12.97	124.9	0.0	0.0	0.0
389 DL	13.6	119.0	206.7	0.98	0.011	0.190	0.54	24.50	48.46	13.03	18.58	0.0	0.005	17.8	2.02	10.09	124.9	0.0	0.0	0.0
390 DL	15.0	99.9	196.5	1.11	0.012	0.159	0.52	27.90	48.43	11.53	18.49	0.0	0.005	19.8	1.97	9.21	125.1	0.0	0.0	0.0
391 DL	15.3	78.8	141.7	1.18	0.012	0.126	0.37	29.71	48.39	10.85	18.45	0.0	0.006	21.1	1.99	8.77	125.2	0.0	0.0	0.0
392 DL	14.3	59.8	90.5	1.13	0.011	0.095	0.24	28.22	48.36	11.42	18.49	0.0	0.006	21.6	2.16	6.32	125.4	0.0	0.0	0.0
393 DL	12.8	45.6	52.9	0.96	0.010	0.073	0.14	24.11	48.37	13.33	18.61	0.0	0.006	20.2	2.36	4.15	125.6	0.0	0.0	0.0
394 DL	11.5	36.2	30.6	0.78	0.009	0.058	0.08	19.49	48.38	16.32	18.80	0.0	0.006	20.0	2.89	2.92	125.9	0.0	0.0	0.0
395 DL	10.5	30.1	24.3	0.63	0.008	0.048	0.06	15.78	48.39	19.89	19.04	0.0	0.006	20.0	3.57	2.62	126.1	0.0	0.0	0.0
396 DL	9.8	25.8	24.2	0.53	0.008	0.041	0.06	13.32	48.39	23.24	19.27	0.0	0.006	20.0	4.22	2.76	126.3	0.0	0.0	0.0
397 DL	9.2	22.4	24.9	0.47	0.007	0.036	0.07	11.75	48.41	26.08	19.46	0.0	0.006	20.0	4.78	3.13	126.5	0.0	0.0	0.0
398 DL	8.9	19.4	25.9	0.42	0.007	0.031	0.07	10.63	48.41	28.55	19.64	0.0	0.006	19.9	5.27	3.24	126.8	0.0	0.0	0.0
399 DL	8.6	16.7	26.3	0.39	0.007	0.027	0.07	9.72	48.41	30.95	19.81	0.0	0.006	19.9	5.76	3.41	127.0	0.0	0.0	0.0

400	DL	8.4	14.5	26.3	0.36	0.007	0.023	0.07	8.94	48.42	33.36	19.99	0.0	0.006	19.9	6.26	3.65	127.3	0.0	0.0	0.0
401	DL	8.3	13.2	26.6	0.33	0.007	0.021	0.07	8.31	48.41	35.60	20.16	0.0	0.006	19.9	6.74	3.83	127.5	0.0	0.0	0.0
402	DL	8.1	12.4	26.8	0.31	0.006	0.020	0.07	7.90	48.41	37.20	20.28	0.0	0.006	19.9	7.09	3.76	127.7	0.0	0.0	0.0
403	DL	7.9	12.1	26.9	0.31	0.006	0.019	0.07	7.70	48.43	38.06	20.34	0.0	0.006	20.0	7.28	3.81	127.9	0.0	0.0	0.0
404	DL	7.8	11.9	27.1	0.30	0.006	0.019	0.07	7.60	48.42	38.48	20.38	0.0	0.006	20.0	7.38	3.86	128.0	0.0	0.0	0.0
405	DL	7.7	11.5	27.4	0.30	0.006	0.018	0.07	7.55	48.43	38.73	20.40	0.0	0.006	19.9	7.42	3.92	128.2	0.0	0.0	0.0
406	DL	7.5	11.0	27.2	0.30	0.006	0.018	0.07	7.47	48.43	39.11	20.43	0.0	0.006	20.0	7.53	3.96	128.3	0.0	0.0	0.0
407	DL	7.4	10.4	27.3	0.29	0.006	0.017	0.07	7.35	48.42	39.63	20.47	0.0	0.006	20.0	7.65	4.12	128.4	0.0	0.0	0.0
408	DL	7.3	9.7	26.4	0.29	0.006	0.015	0.07	7.22	48.43	40.26	20.52	0.0	0.006	20.0	7.80	4.22	128.5	0.0	0.0	0.0
409	DL	7.1	9.0	23.1	0.28	0.006	0.014	0.06	7.00	48.44	41.39	20.60	0.0	0.005	17.6	7.26	4.19	128.6	0.0	0.0	0.0
410	DL	6.9	8.3	17.8	0.26	0.005	0.013	0.05	6.59	48.43	43.61	20.78	0.0	0.004	13.1	5.71	3.97	128.7	0.0	0.0	0.0
411	DL	6.9	7.9	13.4	0.24	0.005	0.013	0.04	5.98	48.45	47.38	21.08	0.0	0.002	8.6	4.15	3.03	128.8	0.0	0.0	0.0
412	DL	6.7	7.4	12.4	0.21	0.005	0.012	0.03	5.33	48.45	52.08	21.48	0.0	0.002	5.7	3.07	3.78	128.9	0.0	0.0	0.0
414	DL	6.5	6.9	12.7	0.19	0.005	0.011	0.03	4.83	48.44	56.41	21.86	0.0	0.001	2.9	1.86	3.75	129.0	0.0	0.0	0.0
414	DL	6.3	6.2	13.8	0.18	0.005	0.010	0.04	4.50	48.45	59.82	22.16	0.0	0.000	1.5	0.86	4.01	129.0	0.0	0.0	0.0
415	DL	6.1	5.6	14.7	0.17	0.005	0.009	0.04	4.28	48.45	62.26	22.39	0.0	0.000	0.2	0.19	4.46	129.2	0.0	0.0	0.0
416	DL	5.9	5.4	15.6	0.16	0.005	0.009	0.04	4.14	48.46	63.95	22.55	0.0	0.000	0.0	0.00	4.52	129.2	0.0	0.0	0.0
417	DL	5.7	5.4	15.9	0.16	0.005	0.009	0.04	4.05	48.46	64.97	22.64	0.0	0.000	0.0	1.44	4.72	129.4	0.0	0.0	0.0
418	DL	5.6	5.5	16.1	0.16	0.004	0.009	0.04	4.03	48.46	65.23	22.67	0.0	0.000	0.0	1.43	4.99	129.4	0.0	0.0	0.0
419	DL	5.5	6.2	17.3	0.16	0.004	0.010	0.05	4.05	48.47	65.03	22.65	0.0	0.000	0.0	1.44	5.09	129.6	0.0	0.0	0.0
420	DL	5.6	10.5	22.3	0.17	0.004	0.017	0.06	4.18	48.48	63.35	22.48	0.0	0.000	1.1	0.61	5.14	129.7	0.0	0.0	0.0
421	DL	6.0	20.8	32.2	0.18	0.005	0.033	0.08	4.64	48.48	58.06	21.99	0.0	0.001	3.9	2.33	6.46	129.8	0.0	0.0	0.0
422	DL	6.5	36.3	42.4	0.23	0.005	0.058	0.11	5.70	48.47	48.92	21.19	0.0	0.001	5.1	2.43	10.92	129.9	0.0	0.0	0.0
423	DL	7.1	59.1	52.1	0.29	0.006	0.094	0.14	7.28	48.47	39.57	20.43	0.0	0.002	6.6	2.46	13.31	130.0	0.0	0.0	0.0
424	DL	7.9	90.1	63.1	0.37	0.006	0.144	0.17	9.33	48.48	31.71	19.84	0.0	0.002	8.1	2.36	16.10	130.1	0.0	0.0	0.0
425	DL	8.9	120.7	85.8	0.47	0.007	0.193	0.23	11.87	48.47	25.48	19.39	0.0	0.003	9.8	2.24	16.73	130.2	0.0	0.0	0.0
426	DL	10.4	134.1	131.9	0.61	0.008	0.214	0.35	15.23	48.47	20.30	19.04	0.0	0.003	11.8	2.12	16.00	130.3	0.0	0.0	0.0
427	DL	12.1	127.0	184.2	0.77	0.010	0.203	0.48	19.41	48.47	16.23	18.78	0.0	0.004	14.8	2.10	13.13	130.4	0.0	0.0	0.0
428	DL	13.9	110.5	209.7	0.94	0.011	0.176	0.55	23.55	48.45	13.54	18.61	0.0	0.005	17.2	2.03	10.25	130.4	0.0	0.0	0.0
429	DL	15.7	92.1	206.6	1.07	0.012	0.147	0.54	26.97	48.43	11.91	18.51	0.0	0.005	19.2	1.98	8.82	130.5	0.0	0.0	0.0
430	DL	16.5	73.8	168.5	1.16	0.013	0.118	0.44	29.20	48.40	11.04	18.46	0.0	0.006	20.6	1.98	8.19	130.6	0.0	0.0	0.0
431	DL	15.9	56.8	112.8	1.15	0.013	0.090	0.30	28.91	48.35	11.16	18.47	0.0	0.006	21.9	2.13	6.65	130.8	0.0	0.0	0.0
432	DL	14.3	42.9	65.2	1.02	0.011	0.068	0.17	25.57	48.35	12.58	18.56	0.0	0.006	20.5	2.26	4.81	130.9	0.0	0.0	0.0
433	DL	12.7	33.3	39.0	0.84	0.010	0.053	0.10	20.93	48.36	15.26	18.73	0.0	0.006	20.3	2.73	3.31	131.2	0.0	0.0	0.0
434	DL	11.4	27.1	26.9	0.68	0.009	0.043	0.07	16.93	48.37	18.63	18.95	0.0	0.006	20.0	3.33	2.86	131.4	0.0	0.0	0.0
435	DL	10.5	22.8	21.0	0.56	0.008	0.036	0.05	14.07	48.39	22.13	19.19	0.0	0.006	19.8	3.97	2.67	131.7	0.0	0.0	0.0
436	DL	9.9	19.6	18.5	0.48	0.008	0.031	0.05	12.01	48.40	25.58	19.43	0.0	0.005	19.7	4.61	2.64	131.9	0.0	0.0	0.0
437	DL	9.5	16.8	18.9	0.42	0.008	0.027	0.05	10.50	48.40	28.91	19.66	0.0	0.005	19.6	5.26	2.69	132.2	0.0	0.0	0.0
438	DL	9.3	14.7	21.1	0.37	0.007	0.023	0.06	9.36	48.40	32.03	19.89	0.0	0.005	19.7	5.91	2.90	132.4	0.0	0.0	0.0
439	DL	9.1	13.1	24.1	0.34	0.007	0.021	0.06	8.52	48.40	34.81	20.10	0.0	0.005	19.8	6.53	3.33	132.6	0.0	0.0	0.0
440	DL	8.9	12.3	27.1	0.32	0.007	0.020	0.07	7.95	48.41	36.97	20.26	0.0	0.006	19.9	7.02	3.95	132.8	0.0	0.0	0.0
441	DL	8.7	12.2	29.6	0.31	0.007	0.020	0.08	7.66	48.41	38.22	20.36	0.0	0.006	20.0	7.34	4.51	133.0	0.0	0.0	0.0
442	DL	8.5	12.5	30.8	0.30	0.007	0.020	0.08	7.58	48.41	38.54	20.38	0.0	0.006	20.1	7.46	4.92	133.2	0.0	0.0	0.0
443	DL	8.3	12.4	30.3	0.30	0.007	0.020	0.08	7.64	48.41	38.30	20.36	0.0	0.006	20.2	7.41	5.05	133.4	0.0	0.0	0.0
444	DL	8.1	12.0	27.4	0.31	0.006	0.019	0.07	7.67	48.42	38.18	20.35	0.0	0.006	19.9	7.29	4.83	133.5	0.0	0.0	0.0
445	DL	7.9	11.1	24.3	0.30	0.006	0.018	0.06	7.57	48.42	38.64	20.39	0.0	0.006	19.8	7.36	4.04	133.6	0.0	0.0	0.0
446	DL	7.8	10.2	23.9	0.29	0.006	0.016	0.06	7.31	48.42	39.84	20.48	0.0	0.006	19.9	7.67	3.47	133.8	0.0	0.0	0.0
447	DL	7.7	9.7	24.9	0.28	0.006	0.015	0.07	7.04	48.43	41.13	20.58	0.0	0.006	20.0	7.98	3.82	133.9	0.0	0.0	0.0
448	DL	7.6	9.0	25.3	0.27	0.006	0.014	0.07	6.86	48.43	42.07	20.66	0.0	0.006	20.0	8.19	4.08	133.9	0.0	0.0	0.0
449	DL	7.4	8.4	22.7	0.27	0.006	0.013	0.06	6.68	48.43	43.05	20.74	0.0	0.005	18.8	7.98	4.08	134.1	0.0	0.0	0.0
450	DL	7.2	7.9	18.3	0.25	0.006	0.013	0.05	6.36	48.43	44.93	20.89	0.0	0.004	13.2	5.96	3.93	134.2	0.0	0.0	0.0
451	DL	7.1	7.6	13.9	0.23	0.006	0.012	0.04	5.86	48.43	48.13	21.15	0.0	0.003	9.1	4.43	3.25	134.2	0.0	0.0	0.0
452	DL	7.0	7.2	12.5	0.21	0.006	0.012	0.03	5.28	48.44	52.48	21.51	0.0	0.002	6.2	3.37	4.11	134.3	0.0	0.0	0.0
453	DL	6.8	6.6	12.5	0.19	0.005	0.010	0.03	4.78	48.44	56.93	21.90	0.0	0.001	3.3	2.00	4.14	134.3	0.0	0.0	0.0
454	DL	6.5	6.0	13.3	0.18	0.005	0.010	0.03	4.40	48.45	60.88	22.26	0.0	0.000	1.7	1.13	4.12	134.3	0.0	0.0	0.0
455	DL	6.3	5.6	14.1	0.16	0.005	0.009	0.04	4.14	48.45	63.91	22.54	0.0	0.000	0.4	0.29	4.61	134.4	0.0	0.0	0.0
456	DL	6.1	5.5	15.2	0.16	0.005	0.009	0.04	3.99	48.45	65.70	22.71	0.0	0.000	0.2	0.09	4.74	134.5	0.0	0.0	0.0
457	DL	5.9	5.5	15.6	0.16	0.005	0.009	0.04	3.95	48.45	66.26	22.77	0.0	0.000	0.0	0.03	5.40	134.6	0.0	0.0	0.0
458	DL	5.8	5.5	15.9	0.16	0.005	0.009	0.04	3.97	48.46	66.02	22.74	0.0	0.000	0.0	0.00	5.38	134.7	0.0	0.0	0.0

459	DL	5.6	6.2	17.0	0.16	0.004	0.010	0.04	4.00	48.46	65.64	22.71	0.0	0.000	0.0	1.42	5.51	134.8	0.0	0.0	0.0
460	DL	5.7	11.0	21.4	0.16	0.005	0.018	0.06	4.12	48.47	64.04	22.55	0.0	0.000	0.8	0.43	5.73	134.9	0.0	0.0	0.0
461	DL	6.1	22.2	30.8	0.18	0.005	0.035	0.08	4.57	48.47	58.69	22.04	0.0	0.001	3.8	2.29	6.70	135.1	0.0	0.0	0.0
462	DL	6.7	37.3	40.6	0.22	0.005	0.060	0.11	5.64	48.47	49.32	21.22	0.0	0.001	4.9	2.36	11.35	135.2	0.0	0.0	0.0
463	DL	7.2	56.1	49.5	0.28	0.006	0.090	0.13	7.14	48.47	40.26	20.49	0.0	0.002	6.3	2.42	13.16	135.2	0.0	0.0	0.0
464	DL	7.8	81.6	59.3	0.35	0.006	0.130	0.16	8.84	48.47	33.28	19.95	0.0	0.002	7.8	2.40	17.06	135.3	0.0	0.0	0.0
465	DL	8.5	112.4	75.1	0.43	0.007	0.180	0.20	10.82	48.47	27.68	19.55	0.0	0.003	9.3	2.35	17.48	135.3	0.0	0.0	0.0
466	DL	9.6	137.5	108.6	0.54	0.008	0.220	0.29	13.45	48.47	22.70	19.20	0.0	0.003	11.3	2.27	17.36	135.4	0.0	0.0	0.0
467	DL	11.2	144.2	161.0	0.69	0.009	0.230	0.42	17.20	48.47	18.12	18.90	0.0	0.004	13.7	2.18	15.41	135.5	0.0	0.0	0.0
468	DL	13.0	133.7	200.9	0.87	0.010	0.214	0.53	21.75	48.46	14.58	18.68	0.0	0.005	16.5	2.10	11.96	135.6	0.0	0.0	0.0
469	DL	14.9	114.9	211.9	1.05	0.012	0.183	0.56	26.24	48.43	12.21	18.53	0.0	0.005	18.5	1.95	9.62	135.7	0.0	0.0	0.0
470	DL	16.3	93.6	179.0	1.18	0.013	0.149	0.47	29.70	48.42	10.85	18.45	0.0	0.006	20.4	1.91	8.93	135.7	0.0	0.0	0.0
471	DL	16.0	74.1	108.4	1.21	0.013	0.118	0.28	30.26	48.36	10.67	18.44	0.0	0.006	21.3	1.98	7.87	135.9	0.0	0.0	0.0
472	DL	14.6	58.6	60.4	1.08	0.012	0.093	0.16	27.01	48.34	11.92	18.52	0.0	0.006	20.3	2.12	5.29	136.0	0.0	0.0	0.0
473	DL	13.0	46.6	41.2	0.89	0.010	0.074	0.11	22.40	48.37	14.28	18.67	0.0	0.006	20.4	2.55	3.61	136.3	0.0	0.0	0.0
474	DL	11.7	36.9	34.3	0.73	0.009	0.059	0.09	18.31	48.37	17.29	18.86	0.0	0.006	20.3	3.12	3.40	136.5	0.0	0.0	0.0
475	DL	10.6	29.1	29.0	0.60	0.008	0.046	0.08	15.13	48.38	20.67	19.09	0.0	0.006	20.1	3.74	3.55	136.8	0.0	0.0	0.0
476	DL	9.9	23.7	25.8	0.50	0.008	0.038	0.07	12.62	48.39	24.44	19.35	0.0	0.006	20.1	4.47	3.31	137.0	0.0	0.0	0.0
477	DL	9.4	20.5	24.8	0.43	0.007	0.033	0.07	10.78	48.40	28.20	19.61	0.0	0.006	20.0	5.22	3.27	137.2	0.0	0.0	0.0
478	DL	9.1	18.6	25.4	0.38	0.007	0.030	0.07	9.61	48.39	31.25	19.83	0.0	0.006	20.0	5.85	3.52	137.4	0.0	0.0	0.0
479	DL	8.8	17.1	26.3	0.36	0.007	0.027	0.07	8.91	48.40	33.43	19.99	0.0	0.006	20.0	6.31	3.75	137.6	0.0	0.0	0.0
480	DL	8.7	15.5	26.1	0.34	0.007	0.025	0.07	8.43	48.40	35.11	20.12	0.0	0.006	20.0	6.66	3.84	137.9	0.0	0.0	0.0
481	DL	8.5	13.7	26.1	0.32	0.007	0.022	0.07	8.02	48.41	36.70	20.24	0.0	0.006	20.0	7.00	3.87	138.0	0.0	0.0	0.0
482	DL	8.3	12.3	25.9	0.30	0.007	0.020	0.07	7.62	48.41	38.37	20.37	0.0	0.006	20.0	7.37	3.86	138.2	0.0	0.0	0.0
483	DL	8.2	11.3	25.8	0.29	0.006	0.018	0.07	7.28	48.41	39.94	20.49	0.0	0.006	20.0	7.72	3.86	138.4	0.0	0.0	0.0
484	DL	8.0	10.8	25.7	0.28	0.006	0.017	0.07	7.04	48.42	41.11	20.58	0.0	0.006	20.0	7.97	3.83	138.5	0.0	0.0	0.0
485	DL	7.9	10.4	25.3	0.28	0.006	0.017	0.07	6.92	48.42	41.76	20.63	0.0	0.006	20.0	8.12	3.92	138.6	0.0	0.0	0.0
486	DL	7.8	9.9	25.3	0.27	0.006	0.016	0.07	6.83	48.42	42.22	20.67	0.0	0.006	19.9	8.20	3.93	138.7	0.0	0.0	0.0
487	DL	7.7	9.3	25.1	0.27	0.006	0.015	0.07	6.74	48.42	42.70	20.71	0.0	0.006	19.9	8.32	3.94	138.7	0.0	0.0	0.0
488	DL	7.6	8.6	24.6	0.26	0.006	0.014	0.06	6.64	48.42	43.28	20.75	0.0	0.006	20.0	8.46	4.00	138.9	0.0	0.0	0.0
489	DL	7.4	7.7	21.8	0.26	0.006	0.012	0.06	6.45	48.42	44.36	20.84	0.0	0.005	18.2	8.01	4.04	138.9	0.0	0.0	0.0
490	DL	7.2	7.1	17.7	0.24	0.006	0.011	0.05	6.08	48.42	46.64	21.02	0.0	0.004	13.7	6.44	3.90	139.0	0.0	0.0	0.0
491	DL	7.0	6.9	13.8	0.22	0.006	0.011	0.04	5.56	48.43	50.29	21.33	0.0	0.003	9.5	4.89	3.24	139.1	0.0	0.0	0.0
492	DL	6.9	6.6	12.7	0.20	0.005	0.011	0.03	5.01	48.44	54.82	21.72	0.0	0.002	6.7	3.82	3.92	139.2	0.0	0.0	0.0
493	DL	6.7	6.2	12.4	0.18	0.005	0.010	0.03	4.58	48.44	58.92	22.08	0.0	0.001	3.8	2.39	4.18	139.2	0.0	0.0	0.0
494	DL	6.5	5.7	12.9	0.17	0.005	0.009	0.03	4.26	48.44	62.44	22.40	0.0	0.001	2.1	1.42	4.24	139.3	0.0	0.0	0.0
495	DL	6.3	5.3	13.6	0.16	0.005	0.008	0.04	4.02	48.45	65.32	22.68	0.0	0.000	0.6	0.49	4.59	139.3	0.0	0.0	0.0
496	DL	6.1	5.0	14.6	0.15	0.005	0.008	0.04	3.88	48.45	67.23	22.86	0.0	0.000	0.1	0.06	4.74	139.4	0.0	0.0	0.0
497	DL	6.0	5.0	15.2	0.15	0.005	0.008	0.04	3.82	48.46	68.00	22.93	0.0	0.000	0.0	1.36	4.98	139.5	0.0	0.0	0.0
498	DL	5.8	5.2	15.6	0.15	0.005	0.008	0.04	3.83	48.46	67.86	22.92	0.0	0.000	0.0	1.36	5.21	139.6	0.0	0.0	0.0
499	DL	5.7	6.0	17.0	0.15	0.005	0.010	0.04	3.87	48.46	67.29	22.86	0.0	0.000	0.0	1.38	5.36	139.7	0.0	0.0	0.0
500	DL	5.9	11.6	22.8	0.16	0.005	0.019	0.06	4.02	48.47	65.17	22.66	0.0	0.000	1.0	0.59	5.43	139.8	0.0	0.0	0.0
501	DL	6.3	24.2	33.4	0.18	0.005	0.039	0.09	4.58	48.46	58.57	22.03	0.0	0.001	4.1	2.46	6.74	139.9	0.0	0.0	0.0
502	DL	6.9	41.5	43.9	0.23	0.005	0.066	0.12	5.81	48.46	48.10	21.11	0.0	0.001	5.3	2.47	11.66	140.0	0.0	0.0	0.0
503	DL	7.5	64.9	54.1	0.30	0.006	0.104	0.14	7.48	48.46	38.60	20.35	0.0	0.002	6.8	2.48	14.22	140.1	0.0	0.0	0.0
504	DL	8.2	95.7	67.6	0.38	0.006	0.153	0.18	9.44	48.47	31.31	19.81	0.0	0.002	8.4	2.42	17.31	140.2	0.0	0.0	0.0
505	DL	9.3	125.3	98.6	0.47	0.007	0.200	0.26	11.90	48.47	25.39	19.38	0.0	0.003	10.3	2.35	17.17	140.3	0.0	0.0	0.0
506	DL	11.1	134.8	153.4	0.62	0.009	0.215	0.40	15.49	48.48	20.00	19.02	0.0	0.003	12.5	2.20	15.62	140.4	0.0	0.0	0.0
507	DL	13.2	123.2	200.9	0.80	0.010	0.197	0.53	20.18	48.46	15.67	18.74	0.0	0.004	15.8	2.15	12.76	140.4	0.0	0.0	0.0
508	DL	15.3	104.1	216.2	0.99	0.012	0.166	0.57	24.87	48.44	12.86	18.57	0.0	0.005	17.9	2.00	9.74	140.4	0.0	0.0	0.0
509	DL	16.8	85.3	180.0	1.13	0.013	0.136	0.47	28.46	48.41	11.31	18.48	0.0	0.005	19.8	1.94	8.60	140.5	0.0	0.0	0.0
510	DL	16.8	69.9	121.0	1.17	0.013	0.111	0.32	29.20	48.36	11.04	18.46	0.0	0.006	20.6	1.97	7.65	140.6	0.0	0.0	0.0
511	DL	15.6	58.7	88.4	1.07	0.012	0.094	0.23	26.82	48.34	11.99	18.52	0.0	0.006	21.4	2.24	5.42	140.7	0.0	0.0	0.0
512	DL	13.9	48.5	61.9	0.93	0.011	0.077	0.16	23.31	48.36	13.73	18.63	0.0	0.006	20.6	2.49	4.71	141.0	0.0	0.0	0.0
513	DL	12.4	38.6	40.8	0.78	0.010	0.062	0.11	19.65	48.37	16.17	18.79	0.0	0.006	20.3	2.90	3.87	141.2	0.0	0.0	0.0
514	DL	11.2	30.3	30.6	0.65	0.009	0.048	0.08	16.22	48.38	19.39	19.00	0.0	0.006	20.3	3.52	3.27	141.5	0.0	0.0	0.0
515	DL	10.4	24.6	26.6	0.53	0.008	0.039	0.07	13.37	48.39	23.20	19.26	0.0	0.006	20.3	4.26	3.33	141.7	0.0	0.0	0.0
516	DL	9.8	21.1	23.3	0.45	0.008	0.034	0.06	11.29	48.39	27.04	19.53	0.0	0.006	19.9	4.97	3.47	141.9	0.0	0.0	0.0
517	DL	9.5	18.6	20.3	0.39	0.008	0.030	0.05	9.88	48.39	30.48	19.78	0.0	0.006	19.8	5.64	3.34	142.2	0.0	0.0	0.0

518	DL	9.3	16.4	19.5	0.35	0.007	0.026	0.05	8.86	48.40	33.62	20.01	0.0	0.005	19.8	6.27	3.21	142.3	0.0	0.0	0.0
519	DL	9.2	14.2	20.6	0.32	0.007	0.023	0.05	8.05	48.41	36.58	20.23	0.0	0.005	19.8	6.89	3.26	142.5	0.0	0.0	0.0
520	DL	9.0	12.5	23.1	0.30	0.007	0.020	0.06	7.43	48.41	39.23	20.43	0.0	0.006	19.8	7.49	3.60	142.7	0.0	0.0	0.0
521	DL	8.9	11.7	25.5	0.28	0.007	0.019	0.07	7.03	48.41	41.13	20.58	0.0	0.006	19.9	7.94	3.96	142.8	0.0	0.0	0.0
522	DL	8.7	11.6	27.3	0.27	0.007	0.018	0.07	6.87	48.41	41.97	20.65	0.0	0.006	20.0	8.15	4.33	142.9	0.0	0.0	0.0
523	DL	8.6	11.6	28.5	0.27	0.007	0.018	0.07	6.87	48.43	41.96	20.65	0.0	0.006	20.0	8.18	4.55	143.1	0.0	0.0	0.0
524	DL	8.4	11.5	28.9	0.28	0.007	0.018	0.08	6.94	48.42	41.64	20.62	0.0	0.006	20.1	8.13	4.58	143.2	0.0	0.0	0.0
525	DL	8.3	11.1	28.8	0.28	0.007	0.018	0.08	6.98	48.42	41.40	20.60	0.0	0.006	20.1	8.09	4.65	143.2	0.0	0.0	0.0
526	DL	8.1	10.5	28.0	0.28	0.006	0.017	0.07	6.97	48.42	41.48	20.61	0.0	0.006	20.1	8.10	4.63	143.4	0.0	0.0	0.0
527	DL	8.0	9.8	27.0	0.27	0.006	0.016	0.07	6.89	48.42	41.92	20.65	0.0	0.006	20.1	8.19	4.45	143.5	0.0	0.0	0.0
528	DL	7.8	9.3	25.5	0.27	0.006	0.015	0.07	6.77	48.42	42.58	20.70	0.0	0.006	20.1	8.35	4.22	143.5	0.0	0.0	0.0
529	DL	7.7	8.6	22.0	0.26	0.006	0.014	0.06	6.58	48.42	43.58	20.78	0.0	0.005	19.1	8.24	4.14	143.6	0.0	0.0	0.0
530	DL	7.5	8.1	17.2	0.25	0.006	0.013	0.05	6.26	48.42	45.52	20.93	0.0	0.004	14.4	6.56	4.10	143.7	0.0	0.0	0.0
531	DL	7.4	7.6	12.8	0.23	0.006	0.012	0.03	5.73	48.43	49.02	21.22	0.0	0.003	10.2	5.09	3.51	143.8	0.0	0.0	0.0
532	DL	7.2	6.9	12.0	0.20	0.006	0.011	0.03	5.09	48.43	54.12	21.65	0.0	0.002	7.5	4.19	3.72	143.9	0.0	0.0	0.0
533	DL	7.1	6.2	11.8	0.18	0.006	0.010	0.03	4.51	48.44	59.67	22.15	0.0	0.001	4.7	2.99	4.19	143.9	0.0	0.0	0.0
534	DL	6.9	5.7	12.7	0.16	0.005	0.009	0.03	4.07	48.44	64.65	22.61	0.0	0.001	2.4	1.70	4.19	144.0	0.0	0.0	0.0
535	DL	6.7	5.4	13.6	0.15	0.005	0.009	0.04	3.85	48.45	67.61	22.90	0.0	0.000	0.8	0.63	4.91	144.1	0.0	0.0	0.0
536	DL	6.5	5.3	14.4	0.15	0.005	0.008	0.04	3.78	48.45	68.50	22.98	0.0	0.000	0.1	0.07	5.31	144.2	0.0	0.0	0.0
537	DL	6.3	5.3	15.2	0.15	0.005	0.008	0.04	3.79	48.45	68.37	22.97	0.0	0.000	0.0	0.00	5.45	144.3	0.0	0.0	0.0
538	DL	6.1	5.4	15.6	0.15	0.005	0.009	0.04	3.82	48.45	67.95	22.93	0.0	0.000	0.0	1.36	5.57	144.4	0.0	0.0	0.0
539	DL	6.0	6.1	16.9	0.15	0.005	0.010	0.04	3.85	48.45	67.52	22.89	0.0	0.000	0.0	1.37	5.73	144.5	0.0	0.0	0.0
540	DL	6.1	10.7	22.1	0.16	0.005	0.017	0.06	3.97	48.46	65.78	22.71	0.0	0.000	0.8	0.50	5.79	144.6	0.0	0.0	0.0
541	DL	6.6	22.0	32.3	0.18	0.005	0.035	0.08	4.45	48.47	60.01	22.16	0.0	0.001	3.9	2.42	6.85	144.7	0.0	0.0	0.0
542	DL	7.2	39.3	43.2	0.22	0.006	0.063	0.11	5.50	48.47	50.35	21.30	0.0	0.001	5.1	2.54	11.85	144.7	0.0	0.0	0.0
543	DL	7.8	64.8	53.8	0.28	0.006	0.104	0.14	7.02	48.48	40.76	20.52	0.0	0.002	6.6	2.58	14.70	144.8	0.0	0.0	0.0
544	DL	8.4	99.9	65.5	0.36	0.007	0.160	0.17	8.99	48.47	32.66	19.90	0.0	0.002	8.2	2.47	19.03	144.8	0.0	0.0	0.0
545	DL	9.3	135.8	89.5	0.46	0.007	0.217	0.24	11.64	48.47	25.85	19.41	0.0	0.003	9.9	2.31	18.38	144.8	0.0	0.0	0.0
546	DL	10.9	154.1	136.5	0.61	0.009	0.246	0.36	15.36	48.47	20.10	19.02	0.0	0.003	11.9	2.12	16.99	144.9	0.0	0.0	0.0
547	DL	12.8	148.5	187.9	0.79	0.010	0.237	0.49	19.92	48.47	15.81	18.75	0.0	0.004	15.0	2.07	14.00	144.9	0.0	0.0	0.0
548	DL	15.0	129.5	213.4	0.96	0.012	0.207	0.56	24.21	48.44	13.16	18.59	0.0	0.005	17.4	1.99	10.90	144.9	0.0	0.0	0.0
549	DL	17.0	106.4	205.6	1.10	0.013	0.170	0.54	27.60	48.42	11.63	18.50	0.0	0.005	19.3	1.95	9.33	145.0	0.0	0.0	0.0
550	DL	17.7	82.4	152.7	1.18	0.014	0.131	0.40	29.48	48.39	10.93	18.46	0.0	0.006	20.8	1.98	8.73	145.1	0.0	0.0	0.0
551	DL	16.8	61.9	91.4	1.13	0.013	0.099	0.24	28.33	48.34	11.37	18.48	0.0	0.006	21.4	2.12	6.70	145.3	0.0	0.0	0.0
552	DL	15.1	47.2	51.9	0.97	0.012	0.075	0.14	24.26	48.35	13.23	18.60	0.0	0.006	20.2	2.34	4.57	145.5	0.0	0.0	0.0
553	DL	13.4	37.8	36.2	0.79	0.011	0.060	0.09	19.77	48.37	16.08	18.79	0.0	0.006	20.3	2.89	3.49	145.8	0.0	0.0	0.0
554	DL	12.0	31.1	29.3	0.65	0.009	0.050	0.08	16.38	48.38	19.18	18.99	0.0	0.006	20.1	3.45	3.44	146.1	0.0	0.0	0.0
555	DL	11.0	25.7	25.0	0.56	0.009	0.041	0.07	13.96	48.38	22.26	19.20	0.0	0.006	20.0	4.03	3.39	146.2	0.0	0.0	0.0
556	DL	10.4	21.1	24.2	0.48	0.008	0.034	0.06	12.03	48.39	25.54	19.43	0.0	0.006	20.1	4.69	3.45	146.4	0.0	0.0	0.0
557	DL	9.9	17.8	25.0	0.42	0.008	0.028	0.07	10.45	48.40	29.01	19.67	0.0	0.006	20.0	5.39	3.69	146.7	0.0	0.0	0.0
558	DL	9.6	15.8	26.3	0.37	0.008	0.025	0.07	9.27	48.39	32.27	19.91	0.0	0.006	20.1	6.09	3.91	146.9	0.0	0.0	0.0
559	DL	9.4	14.6	26.9	0.34	0.007	0.023	0.07	8.58	48.40	34.57	20.08	0.0	0.006	20.1	6.58	4.14	147.1	0.0	0.0	0.0
560	DL	9.2	13.8	26.8	0.33	0.007	0.022	0.07	8.22	48.40	35.90	20.18	0.0	0.006	20.1	6.87	4.18	147.2	0.0	0.0	0.0
561	DL	9.0	12.8	26.7	0.32	0.007	0.020	0.07	7.99	48.41	36.83	20.25	0.0	0.006	20.1	7.07	4.14	147.4	0.0	0.0	0.0
562	DL	8.8	11.6	26.3	0.31	0.007	0.018	0.07	7.74	48.41	37.86	20.33	0.0	0.006	20.1	7.30	4.18	147.5	0.0	0.0	0.0
563	DL	8.6	10.5	25.6	0.30	0.007	0.017	0.07	7.44	48.42	39.19	20.43	0.0	0.006	20.0	7.57	4.22	147.6	0.0	0.0	0.0
564	DL	8.4	9.7	25.1	0.28	0.007	0.016	0.07	7.14	48.42	40.64	20.55	0.0	0.006	20.1	7.90	4.16	147.8	0.0	0.0	0.0
565	DL	8.3	9.4	25.1	0.28	0.007	0.015	0.07	6.91	48.41	41.78	20.64	0.0	0.006	20.1	8.16	4.11	147.8	0.0	0.0	0.0
566	DL	8.2	9.0	25.0	0.27	0.006	0.014	0.07	6.79	48.42	42.42	20.69	0.0	0.006	20.1	8.30	4.11	148.0	0.0	0.0	0.0
567	DL	8.1	8.5	24.9	0.27	0.006	0.014	0.07	6.70	48.42	42.95	20.73	0.0	0.006	20.1	8.43	4.15	148.0	0.0	0.0	0.0
568	DL	8.0	7.8	24.2	0.26	0.006	0.012	0.06	6.59	48.42	43.53	20.77	0.0	0.006	20.1	8.55	4.18	148.1	0.0	0.0	0.0
569	DL	7.8	7.0	21.1	0.25	0.006	0.011	0.06	6.40	48.42	44.68	20.87	0.0	0.005	19.0	8.42	4.14	148.2	0.0	0.0	0.0
570	DL	7.6	6.7	16.5	0.24	0.006	0.011	0.04	6.02	48.42	47.07	21.06	0.0	0.004	14.4	6.82	4.03	148.2	0.0	0.0	0.0
571	DL	7.5	6.5	12.4	0.22	0.006	0.010	0.03	5.44	48.44	51.21	21.40	0.0	0.003	10.5	5.50	3.47	148.3	0.0	0.0	0.0
572	DL	7.4	6.2	11.3	0.19	0.006	0.010	0.03	4.84	48.43	56.41	21.85	0.0	0.002	7.9	4.68	3.78	148.3	0.0	0.0	0.0
573	DL	7.2	5.7	11.1	0.17	0.006	0.009	0.03	4.37	48.44	61.15	22.28	0.0	0.002	5.3	3.49	4.02	148.5	0.0	0.0	0.0
574	DL	7.0	5.2	12.2	0.16	0.006	0.008	0.03	4.03	48.45	65.18	22.66	0.0	0.001	2.8	2.00	4.19	148.6	0.0	0.0	0.0
575	DL	6.8	4.8	13.3	0.15	0.005	0.008	0.03	3.82	48.45	68.04	22.94	0.0	0.000	1.5	1.11	4.61	148.6	0.0	0.0	0.0
576	DL	6.6	4.7	14.0	0.15	0.005	0.008	0.04	3.69	48.45	69.83	23.11	0.0	0.000	0.3	0.28	4.86	148.7	0.0	0.0	0.0

577	DL	6.4	4.8	14.8	0.15	0.005	0.008	0.04	3.64	48.46	70.54	23.18	0.0	0.000	0.0	0.02	5.12	148.8	0.0	0.0	0.0
578	DL	6.2	4.8	15.4	0.15	0.005	0.008	0.04	3.67	48.46	70.10	23.14	0.0	0.000	0.0	1.31	5.43	148.9	0.0	0.0	0.0
579	DL	6.1	7.8	15.5	0.15	0.005	0.012	0.04	3.73	48.46	69.19	23.05	0.0	0.000	0.0	1.33	5.69	149.0	0.0	0.0	0.0

Test #: 1049 Cold Start CBD

Date: 5/9/94

Test cycle results

CO (g/mi) =	3.31
CO2 (g/mi) =	150.20
NOx (g/mi) =	7.53

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
06:40:45	1.83	0.04	3.91	29.30	20.76	70.52	663.05							
06:40:46	1.83	0.04	3.91	32.97	20.76	71.01	659.49							
06:40:47	1.83	0.04	3.91	37.85	20.76	70.28	647.80							
06:40:48	1.83	0.04	3.91	41.51	21.98	71.49	643.22	3.8234	3.8257	0.1131	0.0000	0.0000	0.0000	0.0000
06:40:49	1.95	0.05	4.40	42.74	23.20	71.25	646.78	4.3014	4.3039	0.1131	0.0000	0.0000	0.0001	0.0001
06:40:50	1.83	0.05	3.91	45.18	24.42	71.49	611.69	4.9386	4.9415	0.0000	0.0000	0.0000	0.0001	0.0001
06:40:51	1.83	0.05	3.91	46.40	25.64	70.28	606.61	5.4165	5.4197	0.0000	0.0000	0.0001	0.0001	0.0001
06:40:52	-4.64	0.05	4.40	47.62	26.86	70.04	598.48	5.5759	5.5800	0.0000	0.0000	0.0001	0.0001	0.0001
06:40:53	-4.64	0.05	4.40	50.06	26.86	71.25	595.93	5.8945	5.8988	0.0000	0.0000	0.0001	0.0001	0.0001
06:40:54	-4.64	0.05	4.40	52.50	26.86	71.01	594.41	6.0538	6.0583	0.1131	0.0000	0.0001	0.0001	0.0001
06:40:55	-4.64	0.05	3.91	56.17	28.08	70.04	590.34	6.2131	6.2176	0.0000	0.0000	0.0002	0.0001	0.0001
06:40:56	-4.64	0.05	4.40	57.39	29.30	70.04	591.36	6.5317	6.5365	0.1131	0.0000	0.0002	0.0002	0.0001
06:40:57	-4.64	0.05	4.40	61.05	30.53	70.28	591.36	6.8503	6.8553	0.0000	0.0000	0.0002	0.0002	0.0001
06:40:58	-4.64	0.05	4.40	63.49	30.53	70.04	594.41	7.3283	7.3336	0.1131	0.0000	0.0002	0.0002	0.0002
06:40:59	-4.64	0.04	3.91	64.71	31.75	71.01	595.42	7.4876	7.4930	0.1131	-0.0001	0.0003	0.0003	0.0002
06:41:00	-4.64	0.04	4.40	65.93	32.97	71.25	597.97	7.9655	7.9713	0.1131	-0.0001	0.0003	0.0003	0.0002
06:41:01	-4.64	0.04	4.40	68.38	32.97	70.04	599.49	8.2841	8.2902	0.0000	-0.0001	0.0003	0.0003	0.0002
06:41:02	2.44	0.05	4.40	70.82	32.97	70.52	598.48	8.4434	8.4483	0.0000	-0.0001	0.0004	0.0003	0.0002
06:41:03	2.32	0.04	4.40	73.26	34.19	69.79	600.00	8.6027	8.6077	0.0000	-0.0001	0.0004	0.0003	0.0002
06:41:04	2.44	0.04	4.40	74.48	34.19	71.01	600.00	8.9214	8.9265	0.1131	-0.0002	0.0004	0.0004	0.0003
06:41:05	2.44	0.04	4.40	75.70	36.63	70.04	598.98	9.2400	9.2469	0.1131	-0.0001	0.0005	0.0004	0.0003
06:41:06	2.32	0.04	3.91	76.92	37.85	71.01	696.10	9.5586	9.5642	0.1131	-0.0001	0.0005	0.0005	0.0003
06:41:07	2.44	0.06	3.91	80.59	40.29	69.79	740.85	9.7179	9.7236	0.1131	-0.0001	0.0005	0.0005	0.0003
06:41:08	2.44	0.06	3.91	80.59	40.29	69.79	740.85	9.8772	9.8830	0.1131	-0.0001	0.0006	0.0006	0.0004
06:41:09	2.44	0.06	4.40	86.69	45.18	69.79	762.71	10.0365	10.0424	1.1308	-0.0001	0.0006	0.0010	0.0007
06:41:10	2.44	0.06	4.40	91.58	50.06	69.79	786.61	10.5145	10.5228	1.6962	-0.0001	0.0006	0.0018	0.0012
06:41:11	2.32	0.06	3.91	95.24	54.95	70.52	806.95	10.5145	10.5228	1.6962	-0.0001	0.0007	0.0027	0.0016
06:41:12	24.30	0.07	3.91	97.68	57.39	69.79	823.73	11.3110	11.3200	2.1485	-0.0001	0.0007	0.0038	0.0022
06:41:13	24.30	0.11	3.91	102.56	62.27	70.52	828.81	11.9483	11.9578	2.7139	0.0000	0.0008	0.0051	0.0030
06:41:14	24.30	0.14	3.91	102.56	64.71	69.79	824.75	12.4262	12.4361	3.0532	0.0000	0.0008	0.0067	0.0038
06:41:15	24.30	0.18	3.91	107.45	67.16	70.76	830.34	12.7448	12.7582	3.1663	0.0001	0.0009	0.0087	0.0047
06:41:16	24.30	0.25	3.91	113.55	72.04	70.04	849.66	13.3820	13.4017	3.6186	0.0003	0.0009	0.0120	0.0057
06:41:17	24.30	0.30	4.40	117.22	74.48	69.55	865.42	13.3820	13.4088	3.6186	0.0005	0.0010	0.0165	0.0067
06:41:18	24.30	0.38	4.40	120.88	75.70	70.76	883.73	14.0193	14.0547	3.8447	0.0007	0.0010	0.0226	0.0078
06:41:19	24.30	0.48	4.40	126.98	79.37	69.79	910.68	14.8158	14.8658	4.1840	0.0009	0.0011	0.0314	0.0090
06:41:20	24.30	0.57	117.70	131.87	80.59	69.55	930.00	15.2938	15.3574	4.5232	0.0011	0.0011	0.0433	0.0102
06:41:21	24.30	0.68	117.70	139.19	81.81	69.79	960.00	15.7717	15.8532	4.8625	0.0013	0.0012	0.0591	0.0116
06:41:22	83.27	0.78	117.70	150.18	84.25	69.55	982.88	16.5683	16.6767	5.2017	0.0015	0.0013	0.0806	0.0130
06:41:23	83.27	0.87	118.19	161.17	85.47	69.79	1002.71	17.2055	17.3381	5.5410	0.0018	0.0031	0.1076	0.0145
06:41:24	83.27	1.03	117.70	175.82	87.91	69.55	1039.83	18.1614	18.3302	5.9933	0.0020	0.0050	0.1428	0.0162
06:41:25	83.27	1.12	117.70	185.59	92.80	70.76	1072.88	19.5951	19.8055	6.2194	0.0029	0.0071	0.1846	0.0179
06:41:26	83.27	1.22	117.70	199.02	98.90	70.28	1111.02	21.0289	21.2815	6.4456	0.0039	0.0094	0.2331	0.0197
06:41:27	83.27	1.39	117.70	213.68	102.56	69.79	1171.02	22.9406	23.2637	6.8979	0.0049	0.0118	0.2940	0.0216
06:41:28	83.27	1.50	117.70	238.10	107.45	70.52	1217.29	24.2151	24.5871	7.0110	0.0061	0.0145	0.3616	0.0236
06:41:29	83.39	1.65	117.70	260.07	113.55	69.55	1304.24	25.9675	26.4024	7.3503	0.0073	0.0172	0.4389	0.0256
06:41:30	83.27	1.75	234.43	326.01	130.65	69.55	1369.83	27.8793	28.4101	7.9157	0.0086	0.0203	0.5335	0.0278
06:41:31	83.27	1.85	234.43	387.06	144.08	70.52	1437.46	31.0655	31.7018	8.3680	0.0100	0.0236	0.6412	0.0302
06:41:32	160.93	2.00	234.43	511.60	167.28	69.55	1557.97	33.9331	34.6989	8.8203	0.0116	0.0273	0.7662	0.0326
06:41:33	160.93	2.15	234.43	642.25	192.92	69.55	1671.87	42.5358	43.5550	9.4988	0.0136	0.0365	0.9091	0.0352
06:41:34	160.93	2.28	234.43	836.39	230.77	70.28	1642.88	50.5013	51.7790	10.0642	0.0159	0.0474	1.0690	0.0380
06:41:35	160.93	2.49	234.43	1170.94	335.78	70.52	1697.80	66.7509	68.5928	11.1950	0.0220	0.0618	1.2619	0.0411
06:41:36	160.93	2.64	234.43	1219.78	387.06	70.28	829.83	83.7971	86.2759	11.9866	0.0296	0.0800	1.4833	0.0445
06:41:37	160.93	2.83	233.94	843.71	282.05	70.76	663.56	109.1274	112.5610	13.9089	0.0395	0.1038	1.7566	0.0483
06:41:38	161.05	2.97	234.43	443.22	223.44	70.76	639.15	152.7784	158.0134	16.5098	0.0534	0.1371	2.1098	0.0529
06:41:39	160.93	3.09	234.43	310.13	177.05	70.04	632.54	159.1508	164.9305	12.7781	0.0679	0.1719	2.3995	0.0565
06:41:40	160.93	3.27	328.21	202.69	124.54	69.55	623.90	110.0833	114.3845	8.8203	0.0780	0.1959	2.6146	0.0589
06:41:41	160.93	3.38	328.69	163.61	105.01	70.04	622.37	57.8296	60.1987	6.2194	0.0833	0.2086	2.7736	0.0607
06:41:42	252.50	3.54	328.69	140.42	95.24	70.28	613.73	40.4648	42.1905	3.8447	0.0871	0.2175	2.8759	0.0617
06:41:43	252.50	3.64	328.21	118.44	85.47	70.76	615.25	26.4455	27.6393	1.3570	0.0895	0.2257	2.9141	0.0621

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			

06:41:44	252.50	3.72	328.69	111.11	81.81	69.79	614.24	21.3476	22.3437	0.5654	0.0915	0.2323	2.9305	0.0623
06:41:45	252.50	3.86	328.21	105.01	76.92	69.79	614.24	18.3207	19.2187	0.1131	0.0941	0.2379	2.9339	0.0623
06:41:46	252.50	3.95	328.21	102.56	75.70	69.55	703.22	15.4531	16.2316	0.0000	0.0964	0.2427	2.9339	0.0623
06:41:47	252.38	4.10	328.69	102.56	75.70	69.79	824.24	14.4972	15.2450	0.0000	0.0985	0.2472	2.9339	0.0623
06:41:48	252.50	4.22	328.69	111.11	78.14	69.55	873.56	13.7007	14.4343	0.1131	0.1005	0.2515	2.9377	0.0623
06:41:49	252.50	4.33	328.69	122.10	80.59	69.79	897.97	13.3820	14.1154	1.0177	0.1024	0.2557	2.9723	0.0626
06:41:50	252.50	4.42	421.98	133.09	84.25	70.28	927.46	13.3820	14.1439	2.7139	0.1044	0.2599	3.0681	0.0634
06:41:51	252.38	4.55	422.47	148.96	86.69	69.79	970.17	14.4972	15.3472	3.1663	0.1065	0.2644	3.1832	0.0642
06:41:52	348.23	4.63	421.98	157.51	89.13	70.28	1002.71	15.9310	16.8878	3.7317	0.1088	0.2694	3.3220	0.0653
06:41:53	348.23	4.74	421.98	167.28	91.58	69.55	1062.71	17.3648	18.4306	4.1840	0.1114	0.2764	3.4811	0.0664
06:41:54	348.23	4.83	421.98	184.37	94.02	70.04	1107.46	19.4358	20.6629	4.9756	0.1142	0.2842	3.6756	0.0678
06:41:55	348.23	4.90	422.47	200.24	97.68	70.76	1150.68	20.5510	21.8783	5.5410	0.1184	0.2925	3.8965	0.0694
06:41:56	348.23	4.99	421.98	230.77	108.67	70.04	1231.53	21.8255	23.2687	6.4456	0.1228	0.3014	4.1596	0.0711
06:41:57	348.11	5.07	421.98	264.96	118.44	69.79	1301.70	24.0558	25.6757	7.0110	0.1277	0.3111	4.4509	0.0731
06:41:58	348.23	5.16	422.47	345.54	137.97	69.79	1418.14	26.1269	27.9107	7.3503	0.1331	0.3217	4.7605	0.0751
06:41:59	348.23	5.22	422.47	422.47	156.29	70.04	1507.12	30.1096	32.2052	8.1418	0.1392	0.3339	5.1099	0.0774
06:42:00	348.23	5.32	418.07	626.37	197.80	69.79	1702.37	34.5703	37.0145	8.7072	0.1462	0.3480	5.4896	0.0798
06:42:01	348.23	5.38	418.56	874.24	247.86	69.79	1678.48	45.0848	48.3322	9.7250	0.1555	0.3663	5.9214	0.0825
06:42:02	433.09	5.45	418.56	1173.38	337.00	69.79	1763.90	55.1213	59.1404	10.5165	0.1667	0.3888	6.3940	0.0854
06:42:03	433.09	5.49	418.56	1660.56	547.01	69.79	1830.00	81.7261	87.7936	11.9866	0.1835	0.4218	6.9423	0.0888
06:42:04	433.09	5.53	418.56	1971.92	708.18	70.52	1871.19	114.0660	122.6357	14.2482	0.2069	0.4680	7.6018	0.0927
06:42:05	433.09	5.54	418.56	2216.12	853.48	70.52	1893.56	153.0970	164.7773	16.0575	0.2459	0.5300	8.3547	0.0972
06:42:06	433.09	5.60	418.56	2116.00	863.25	69.55	1014.92	216.6617	233.3237	18.5453	0.3013	0.6178	9.2311	0.1023
06:42:07	433.09	5.60	418.56	1448.11	653.24	70.28	955.42	257.2859	277.1861	19.9022	0.3670	0.7222	10.1770	0.1079
06:42:08	433.09	5.60	418.56	774.11	406.59	70.76	944.75	289.1479	311.5767	21.3723	0.4409	0.8395	11.1956	0.1138
06:42:09	433.09	5.60	418.07	527.47	307.69	69.55	944.75	276.0845	297.7145	21.1461	0.5114	0.9515	12.2134	0.1197
06:42:10	433.09	5.60	412.70	333.33	218.56	69.55	946.78	188.9418	203.7446	20.8069	0.5598	1.0282	13.2148	0.1255
06:42:11	433.09	5.60	412.70	274.73	184.37	70.76	947.80	101.0026	108.9157	20.4676	0.5856	1.0692	14.1999	0.1311
06:42:12	475.34	5.60	412.21	238.10	158.73	69.55	947.80	68.8220	74.2139	20.5807	0.6032	1.0971	15.1905	0.1369
06:42:13	475.46	5.57	412.21	217.34	134.31	69.55	949.32	43.4917	46.8991	20.5807	0.6143	1.1145	16.1811	0.1426
06:42:14	475.46	5.56	412.70	201.47	125.76	70.52	949.32	35.8448	38.6531	20.6938	0.6235	1.1289	17.1771	0.1483
06:42:15	475.46	5.54	412.70	194.14	119.66	70.76	829.32	31.0655	33.5019	20.6938	0.6322	1.1413	18.1731	0.1541
06:42:16	475.46	5.53	412.70	172.16	102.56	70.52	620.85	28.3572	30.5718	20.5807	0.6401	1.1526	19.1595	0.1598
06:42:17	475.58	5.53	412.70	150.18	94.02	70.28	688.98	26.2862	28.3346	20.5807	0.6475	1.1631	20.1438	0.1655
06:42:18	475.46	5.53	412.70	126.98	86.69	70.28	660.00	25.3303	27.2987	17.9799	0.6546	1.1733	21.0014	0.1705
06:42:19	475.34	5.54	412.70	117.22	81.81	69.55	649.83	22.4627	24.2033	12.8912	0.6609	1.1823	21.6145	0.1741
06:42:20	475.34	5.54	445.91	109.89	78.14	69.79	642.20	19.5951	21.1135	9.4988	0.6664	1.1901	22.0662	0.1767
06:42:21	475.46	5.53	445.91	103.79	74.48	71.01	634.07	16.5683	17.8521	6.6718	0.6711	1.1967	22.3836	0.1786
06:42:22	499.39	5.53	446.40	102.56	72.04	71.01	628.98	15.2938	16.4814	3.9578	0.6754	1.2028	22.5722	0.1797
06:42:23	499.51	5.54	445.91	101.34	70.82	70.76	628.98	14.3379	15.4513	1.9224	0.6794	1.2090	22.6638	0.1802
06:42:24	499.39	5.55	445.91	98.90	68.38	71.01	628.98	13.5413	14.5906	0.1131	0.6832	1.2149	22.6692	0.1802
06:42:25	499.51	5.57	446.40	98.90	67.16	70.76	628.98	13.3820	14.4196	0.1131	0.6871	1.2207	22.6746	0.1803
06:42:26	499.39	5.60	445.91	98.90	68.38	70.76	851.70	13.2227	14.2501	0.1131	0.6910	1.2264	22.6800	0.1803
06:42:27	499.51	5.61	446.40	102.56	70.82	70.76	916.78	12.9041	13.9089	0.1131	0.6948	1.2320	22.6854	0.1803
06:42:28	499.39	5.65	445.91	111.11	75.70	69.55	954.92	12.9041	13.9118	0.1131	0.6986	1.2376	22.6908	0.1804
06:42:29	499.51	5.68	445.91	125.76	78.14	70.52	996.61	12.9041	13.9175	3.0532	0.7024	1.2431	22.8378	0.1812
06:42:30	499.51	5.71	479.12	151.40	84.25	69.79	1066.27	13.3820	14.4352	3.2793	0.7064	1.2489	22.9961	0.1821
06:42:31	499.39	5.76	478.63	164.84	87.91	69.55	1153.22	14.4972	15.6462	3.9578	0.7107	1.2552	23.1885	0.1832
06:42:32	499.51	5.79	479.12	179.49	96.46	70.76	1219.83	16.4089	17.7167	4.7494	0.7155	1.2623	23.4206	0.1845
06:42:33	499.39	5.83	479.12	207.57	108.67	69.79	1299.66	19.7544	21.3376	5.7671	0.7213	1.2715	23.7039	0.1861
06:42:34	499.51	5.86	478.63	240.54	124.54	70.28	1381.02	21.5069	23.2436	6.6718	0.7277	1.2815	24.0343	0.1880
06:42:35	499.39	5.91	478.63	354.09	155.07	70.52	1568.65	23.4186	25.3215	7.6895	0.7346	1.2924	24.4173	0.1901
06:42:36	499.39	5.95	479.12	504.27	191.70	70.04	1750.17	27.0827	29.2999	8.4811	0.7426	1.3050	24.8428	0.1925
06:42:37	499.51	5.98	478.63	808.30	262.52	70.76	1750.17	31.3841	33.9656	9.2726	0.7519	1.3197	25.3103	0.1951
06:42:38	499.39	6.00	479.12	1390.72	467.64	70.52	1834.07	46.1999	50.0310	10.8558	0.7656	1.3412	25.8620	0.1981
06:42:39	499.51	6.03	479.12	1775.33	656.90	69.55	1875.76	65.7951	71.2914	12.2127	0.7851	1.3719	26.4871	0.2015
06:42:40	499.39	6.04	480.59	2194.14	914.53	70.28	1921.53	105.4633	114.3204	14.5874	0.8164	1.4211	27.2377	0.2055
06:42:41	499.39	6.06	481.07	2295.48	1000.00	69.55	1536.10	181.4542	196.7337	17.6406	0.8701	1.5059	28.1478	0.2104
06:42:42	499.39	6.05	481.07	1542.12	725.27	70.52	921.36	231.6368	251.2324	19.2237	0.9389	1.6142	29.1441	0.2158
06:42:43	499.51	6.05	481.07	991.45	516.48	69.79	909.66	286.2803	310.5622	21.2592	1.0238	1.7484	30.2487	0.2217
06:42:44	499.51	6.03	481.07	641.03	368.74	70.04	930.00	299.5030	324.9900	22.2769	1.1126	1.8890	31.4100	0.2279
06:42:45	499.51	6.00	481.07	371.18	246.64	70.52	931.02	201.2086	218.2973	20.0153	1.1723	1.9834	32.4513	0.2334
06:42:46	499.39	5.99	481.07	289.38	200.24	69.31	933.56	129.3598	140.3464	19.9022	1.2107	2.0442	33.4868	0.2389
06:42:47	499.51	5.97	481.07	241.76	167.28	69.55	935.59	83.6378	90.7179	20.2415	1.2355	2.0834	34.5365	0.2446
06:42:48	499.27	5.90	481.07	205.13	136.75	70.28	938.64	48.4303	52.5111	20.3545	1.2499	2.1061	35.5872	0.2502
06:42:49	499.51	5.88	481.07	191.70	124.54	69.31	941.70	37.7565	40.9295	20.3545	1.2611	2.1238	36.6353	0.2559
06:42:50	499.51	5.80	483.03	179.49	113.55	69.31	945.25	31.5434	34.1872	20.4676	1.2704	2.1386	37.6864	0.2616

06:42:51	499.51	5.78	483.03	174.60	107.45	69.31	946.78	26.7641	28.9805	20.4676	1.2783	2.1512	38.7252	0.2672
06:42:52	499.39	5.76	483.52	169.72	105.01	69.55	948.81	25.0117	27.0746	20.5807	1.2857	2.1629	39.7655	0.2730
06:42:53	499.51	5.69	483.03	167.28	102.56	69.31	953.39	23.4186	25.3254	20.6938	1.2927	2.1739	40.7983	0.2787
06:42:54	499.27	5.68	483.03	168.50	100.12	69.79	954.92	22.7813	24.6299	20.5807	1.2994	2.1846	41.8221	0.2844
06:42:55	499.39	5.65	483.52	170.94	98.90	70.52	791.19	22.1441	23.9348	20.6938	1.3059	2.1950	42.8480	0.2902
06:42:56	499.39	5.60	483.03	153.85	92.80	69.79	693.56	21.8255	23.5686	20.6938	1.3124	2.2052	43.8614	0.2959
06:42:57	499.39	5.60	483.52	139.19	87.91	70.28	674.75	21.9848	23.7357	21.0330	1.3189	2.2155	44.8885	0.3018
06:42:58	499.39	5.54	483.52	122.10	83.03	70.28	656.44	22.3034	24.0710	17.0752	1.3255	2.2260	45.7184	0.3065
06:42:59	499.39	5.53	483.03	113.55	80.59	70.76	645.76	20.0731	21.6483	11.6473	1.3314	2.2354	46.2790	0.3097
06:43:00	499.51	5.53	519.17	107.45	76.92	69.79	645.76	18.1614	19.5866	7.9157	1.3367	2.2439	46.6600	0.3119
06:43:01	499.51	5.53	519.17	102.56	74.48	69.79	639.66	15.9310	17.1697	2.7139	1.3414	2.2514	46.7894	0.3127
06:43:02	499.39	5.53	519.17	102.56	74.48	69.79	639.66	14.8158	15.9654	1.0177	1.3458	2.2583	46.8379	0.3130
06:43:03	499.51	5.55	519.17	100.12	73.26	70.28	638.64	14.0193	15.1070	0.1131	1.3499	2.2654	46.8433	0.3130
06:43:04	499.39	5.57	519.17	100.12	70.82	69.79	639.66	13.3820	14.4203	0.0000	1.3539	2.2721	46.8433	0.3130
06:43:05	499.39	5.60	519.17	98.90	70.82	70.28	643.73	13.3820	14.4203	0.1131	1.3578	2.2788	46.8486	0.3130
06:43:06	499.51	5.62	519.17	100.12	70.82	70.28	887.29	13.0634	14.0806	0.0000	1.3617	2.2854	46.8486	0.3130
06:43:07	499.51	5.63	519.17	103.79	74.48	69.55	950.85	13.0634	14.0843	0.0000	1.3655	2.2920	46.8486	0.3130
06:43:08	499.39	5.67	519.17	122.10	79.37	70.52	1022.03	12.9041	13.9175	0.0000	1.3693	2.2985	46.8486	0.3130
06:43:09	499.51	5.67	519.17	137.97	84.25	69.31	1069.32	13.0634	14.0930	3.1663	1.3732	2.3051	47.0017	0.3139
06:43:10	499.51	5.67	552.87	158.73	87.91	69.79	1128.81	13.5413	14.6108	3.6186	1.3772	2.3119	47.1769	0.3149
06:43:11	499.39	5.70	552.87	180.71	91.58	69.31	1234.58	15.9310	17.1980	4.7494	1.3819	2.3199	47.4086	0.3162
06:43:12	494.02	5.70	552.87	217.34	109.89	69.79	1307.29	18.0020	19.4338	5.5410	1.3872	2.3290	47.6788	0.3178
06:43:13	493.90	5.72	552.87	256.41	126.98	70.28	1442.03	20.7103	22.3574	6.3325	1.3933	2.3401	47.9876	0.3195
06:43:14	493.90	5.70	553.36	380.95	156.29	70.28	1569.66	23.5779	25.4636	7.6895	1.4003	2.3528	48.3647	0.3217
06:43:15	493.90	5.70	552.87	547.01	186.81	69.55	1736.95	28.3572	30.6248	8.4811	1.4085	2.3680	48.7806	0.3240
06:43:16	494.02	5.72	552.87	1031.75	289.38	69.79	1738.98	33.4551	36.1378	9.3857	1.4183	2.3860	49.2421	0.3266
06:43:17	493.90	5.72	553.36	1625.15	533.58	69.79	1855.93	49.7048	53.6794	10.9688	1.4328	2.4127	49.7800	0.3297
06:43:18	494.02	5.72	552.87	1956.04	743.59	70.04	1901.70	71.3709	77.0781	12.2127	1.4537	2.4510	50.3789	0.3331
06:43:19	493.90	5.72	552.87	2206.35	926.74	70.52	1930.17	134.6171	145.4192	15.7182	1.4930	2.5233	51.1523	0.3375
06:43:20	494.02	5.72	513.31	2205.13	996.34	70.04	1116.61	212.0417	229.0567	18.4322	1.5549	2.6373	52.0593	0.3426
06:43:21	493.90	5.72	512.33	1577.53	765.57	69.31	947.29	255.2147	275.6941	20.0153	1.6295	2.7744	53.0441	0.3481
06:43:22	449.57	5.72	512.82	827.84	463.98	70.52	947.29	287.8734	310.9733	21.3723	1.7136	2.9290	54.0958	0.3541
06:43:23	449.69	5.69	512.33	556.78	344.32	69.79	947.29	287.7141	310.8013	22.3900	1.7977	3.0725	55.1975	0.3603
06:43:24	449.69	5.66	512.82	396.83	268.62	70.76	944.75	205.8286	222.3450	20.5807	1.8578	3.1749	56.2102	0.3660
06:43:25	449.69	5.63	512.33	282.05	202.69	70.52	943.22	108.0123	116.6701	20.6938	1.8865	3.2287	57.2284	0.3718
06:43:26	449.69	5.61	512.33	241.76	174.60	70.52	941.70	72.6454	78.4320	20.6938	1.9058	3.2649	58.2404	0.3775
06:43:27	449.69	5.56	512.82	207.57	146.52	69.55	941.70	51.7758	55.8828	20.5807	1.9196	3.2906	59.2427	0.3832
06:43:28	449.69	5.54	512.82	195.36	134.31	69.55	940.17	36.8006	39.7054	20.4676	1.9293	3.3089	60.2347	0.3889
06:43:29	449.69	5.49	472.77	188.03	120.88	69.55	939.15	31.5434	34.0227	20.5807	1.9377	3.3246	61.2281	0.3946
06:43:30	449.69	5.46	472.77	183.15	113.55	69.55	939.15	27.0827	29.1919	20.5807	1.9449	3.3381	62.2124	0.4003
06:43:31	449.57	5.44	472.77	180.71	108.67	70.52	939.15	25.4896	27.4676	20.4676	1.9517	3.3507	63.1879	0.4060
06:43:32	432.72	5.37	472.77	175.82	106.23	70.76	939.15	24.5338	26.4186	20.4676	1.9582	3.3620	64.1538	0.4117
06:43:33	432.72	5.35	472.77	173.38	106.23	70.76	939.15	23.8965	25.7231	20.3545	1.9645	3.3729	65.1095	0.4174
06:43:34	432.60	5.33	472.77	172.16	106.23	69.79	902.54	23.5779	25.3736	20.5807	1.9708	3.3837	66.0724	0.4231
06:43:35	432.60	5.30	472.77	159.95	98.90	70.76	636.10	22.9406	24.6654	20.4676	1.9766	3.3942	67.0184	0.4288
06:43:36	432.60	5.28	472.77	145.30	92.80	70.76	693.56	22.6220	24.3153	20.4676	1.9824	3.4045	67.9602	0.4345
06:43:37	432.60	5.26	472.77	125.76	86.69	71.01	665.59	22.4627	24.1391	19.7892	1.9881	3.4148	68.8681	0.4399
06:43:38	432.60	5.26	472.77	117.22	84.25	70.04	656.44	20.8696	22.4167	13.2305	1.9934	3.4243	69.4712	0.4436
06:43:39	432.60	5.26	472.28	111.11	81.81	70.28	648.31	18.9579	20.3580	9.4988	1.9982	3.4330	69.9025	0.4463
06:43:40	432.60	5.26	523.08	105.01	78.14	70.76	642.20	16.4089	17.6163	5.2017	2.0024	3.4405	70.1378	0.4477
06:43:41	432.60	5.28	523.08	103.79	76.92	71.01	644.75	15.2938	16.4191	2.1485	2.0063	3.4474	70.2350	0.4483
06:43:42	462.03	5.31	522.59	102.56	75.70	70.76	640.17	14.4972	15.5639	1.1308	2.0100	3.4541	70.2862	0.4486
06:43:43	462.15	5.33	522.59	100.12	75.70	70.04	642.20	13.7007	14.7087	0.1131	2.0134	3.4610	70.2913	0.4486
06:43:44	462.15	5.37	522.59	100.12	74.48	70.04	644.24	13.5413	14.5407	0.1131	2.0169	3.4678	70.2964	0.4487
06:43:45	462.03	5.39	522.59	98.90	74.48	70.04	832.37	13.3820	14.3763	0.1131	2.0205	3.4746	70.3016	0.4487
06:43:46	462.03	5.44	523.08	101.34	75.70	70.04	955.93	13.0634	14.0384	0.1131	2.0241	3.4812	70.3068	0.4487
06:43:47	462.15	5.47	523.08	109.89	78.14	69.79	1016.95	13.0634	14.0449	0.1131	2.0276	3.4878	70.3120	0.4488
06:43:48	461.90	5.49	522.59	134.31	84.25	70.52	1109.49	12.9041	13.8786	2.6009	2.0311	3.4943	70.4327	0.4495
06:43:49	462.15	5.51	523.08	155.07	86.69	70.76	1183.73	13.2227	14.2294	3.5055	2.0347	3.5010	70.5965	0.4505
06:43:50	462.03	5.52	573.38	175.82	94.02	69.79	1269.66	14.3379	15.4358	4.4102	2.0386	3.5083	70.8039	0.4517
06:43:51	462.15	5.54	573.38	222.22	118.44	70.52	1408.98	17.5241	18.8718	5.6540	2.0434	3.5171	71.0709	0.4533
06:43:52	445.18	5.54	573.38	282.05	141.64	70.28	1540.68	20.2324	21.7928	6.7849	2.0489	3.5274	71.3922	0.4552
06:43:53	445.18	5.56	573.38	405.37	202.69	70.76	1849.83	22.9406	24.7151	7.6895	2.0552	3.5401	71.7574	0.4573
06:43:54	445.18	5.56	572.89	890.11	295.48	70.28	1801.02	28.9944	31.2468	9.3857	2.0631	3.5562	72.2051	0.4599
06:43:55	445.18	5.56	573.38	1337.00	449.33	69.79	1855.93	36.8006	39.6581	10.4034	2.0728	3.5767	72.7013	0.4628
06:43:56	445.05	5.56	573.38	1919.41	758.24	71.01	1916.44	52.8910	57.0096	13.0043	2.0866	3.6061	73.3232	0.4664
06:43:57	445.18	5.56	573.87	2183.15	920.63	71.01	1870.68	116.1371	125.1807	15.7182	2.1172	3.6706	74.0750	0.4708

06:43:58	445.18	5.56	573.38	2183.15	956.04	71.01	980.85	174.4445	188.0286	17.5275	2.1630	3.7675	74.9133	0.4756
06:43:59	445.18	5.56	573.38	1297.92	643.47	69.79	911.70	250.4354	269.9368	20.1284	2.2288	3.9067	75.8761	0.4812
06:44:00	445.18	5.56	505.01	841.27	461.54	71.01	931.02	284.8465	307.0275	21.1461	2.3036	4.0652	76.8874	0.4871
06:44:01	445.05	5.53	505.01	460.32	300.37	69.79	939.15	284.8465	307.0275	21.4854	2.3784	4.2235	77.9151	0.4931
06:44:02	400.24	5.50	505.49	341.88	239.32	69.79	943.73	169.3466	182.5337	20.0153	2.4229	4.3176	78.8724	0.4986
06:44:03	400.37	5.47	505.01	275.95	195.36	70.76	950.34	109.7647	118.3121	20.2415	2.4518	4.3714	79.8405	0.5042
06:44:04	400.49	5.43	505.01	224.66	151.40	70.52	952.88	60.0599	64.7101	20.4676	2.4675	4.4008	80.8139	0.5099
06:44:05	400.24	5.38	505.01	197.80	125.76	71.01	945.76	44.6068	48.0368	20.5807	2.4780	4.4226	81.7872	0.5156
06:44:06	400.24	5.33	505.01	183.15	116.00	71.01	942.71	36.0041	38.7606	20.8069	2.4865	4.4402	82.7670	0.5214
06:44:07	400.37	5.31	505.01	175.82	107.45	70.76	942.71	29.3131	31.5378	20.9200	2.4935	4.4545	83.7437	0.5272
06:44:08	400.37	5.24	505.49	170.94	102.56	71.01	940.17	25.8082	27.7498	20.5807	2.4995	4.4671	84.6962	0.5330
06:44:09	400.24	5.22	505.01	161.17	96.46	69.79	938.64	23.8965	25.6771	20.4676	2.5052	4.4788	85.6346	0.5386
06:44:10	400.37	5.17	434.68	157.51	95.24	70.28	938.64	22.9406	24.6424	20.4676	2.5106	4.4900	86.5688	0.5443
06:44:11	400.37	5.12	434.68	151.40	92.80	70.28	936.61	22.3034	23.9381	20.4676	2.5158	4.5009	87.4921	0.5500
06:44:12	387.42	5.09	434.68	150.18	91.58	69.79	935.59	21.0289	22.5632	20.4676	2.5208	4.5111	88.4112	0.5557
06:44:13	387.42	5.05	434.19	151.40	91.58	70.52	936.61	20.5510	22.0368	20.4676	2.5256	4.5197	89.3221	0.5614
06:44:14	387.30	5.01	434.68	153.85	92.80	69.79	814.58	19.7544	21.1663	20.4676	2.5302	4.5280	90.2227	0.5671
06:44:15	387.42	4.98	434.19	147.74	90.35	70.52	629.49	19.5951	20.9875	20.4676	2.5347	4.5362	91.1184	0.5728
06:44:16	387.42	4.98	434.19	126.98	86.69	71.01	689.49	19.7544	21.1472	20.4676	2.5392	4.5445	92.0073	0.5784
06:44:17	387.55	4.96	434.19	117.22	86.69	70.04	673.22	20.0731	21.4783	17.5275	2.5437	4.5529	92.7632	0.5833
06:44:18	387.42	4.98	434.19	111.11	84.25	70.28	673.22	19.2765	20.6175	13.2305	2.5481	4.5609	93.3302	0.5870
06:44:19	387.42	4.98	504.52	106.23	80.59	70.04	657.97	16.5683	17.7208	8.0287	2.5519	4.5678	93.6743	0.5892
06:44:20	387.42	5.00	505.01	103.79	78.14	70.28	654.41	15.2938	16.3535	5.6540	2.5553	4.5742	93.9157	0.5908
06:44:21	387.55	5.04	505.01	102.56	75.70	70.28	651.86	14.4972	15.5049	3.0532	2.5586	4.5803	94.0464	0.5916
06:44:22	412.70	5.06	505.01	101.34	73.26	69.79	653.90	13.8600	14.8234	1.0177	2.5618	4.5870	94.0900	0.5919
06:44:23	412.82	5.09	505.01	100.12	72.04	71.01	651.36	13.5413	14.4871	0.1131	2.5648	4.5936	94.0949	0.5919
06:44:24	412.70	5.13	505.01	98.90	69.60	70.28	654.41	13.3820	14.3233	0.1131	2.5679	4.6001	94.0998	0.5920
06:44:25	412.70	5.15	505.01	98.90	70.82	70.28	849.66	13.2227	14.1578	0.1131	2.5711	4.6065	94.1047	0.5920
06:44:26	412.82	5.19	505.01	102.56	74.48	71.01	981.86	13.0634	13.9930	0.1131	2.5742	4.6129	94.1097	0.5920
06:44:27	412.70	5.21	505.01	124.54	81.81	70.04	1070.85	12.9041	13.8295	0.1131	2.5774	4.6191	94.1147	0.5921
06:44:28	412.70	5.23	505.01	144.08	86.69	70.04	1139.49	12.9041	13.8324	2.6009	2.5805	4.6254	94.2298	0.5928
06:44:29	412.70	5.25	575.34	181.93	102.56	69.79	1273.73	13.3820	14.3528	3.8447	2.5837	4.6319	94.4014	0.5939
06:44:30	412.82	5.28	574.85	214.90	116.00	69.79	1372.37	16.2496	17.4320	5.0886	2.5877	4.6399	94.6292	0.5953
06:44:31	412.70	5.30	574.85	253.97	135.53	70.52	1487.29	18.7986	20.1727	5.9933	2.5922	4.6490	94.8988	0.5969
06:44:32	396.34	5.32	574.85	418.80	180.71	69.79	1765.93	23.7372	25.4789	7.5764	2.5980	4.6622	95.2408	0.5990
06:44:33	396.34	5.33	574.85	722.83	247.86	71.01	1809.15	28.0386	30.1067	8.7072	2.6048	4.6778	95.6359	0.6015
06:44:34	396.34	5.33	575.34	1172.16	382.17	69.79	1839.15	33.1365	35.5935	9.8380	2.6128	4.6962	96.0846	0.6042
06:44:35	396.34	5.36	574.85	1808.30	661.78	69.79	1909.32	54.6434	58.7054	12.0997	2.6256	4.7265	96.6381	0.6076
06:44:36	396.34	5.36	575.34	2105.01	841.27	70.28	1678.48	94.3116	101.3433	14.8136	2.6476	4.7789	97.3178	0.6117
06:44:37	396.34	5.36	574.85	1937.73	818.07	69.79	1129.83	152.9377	164.3405	17.0752	2.6832	4.8639	98.1012	0.6164
06:44:38	396.34	5.36	574.85	1389.50	636.14	69.55	956.44	235.9382	253.6078	19.6761	2.7382	4.9951	99.0079	0.6219
06:44:39	396.34	5.34	575.34	920.63	470.09	70.04	944.24	274.6507	295.2195	20.5807	2.8023	5.1478	99.9563	0.6276
06:44:40	396.34	5.34	501.10	509.16	306.47	69.79	944.24	252.8251	271.7594	21.7115	2.8613	5.2883	100.9568	0.6336
06:44:41	396.34	5.31	501.59	371.18	244.20	71.01	944.24	181.2949	194.8722	20.6938	2.9036	5.3890	101.9104	0.6394
06:44:42	350.18	5.29	501.59	273.50	189.26	70.28	945.25	120.1198	129.0825	20.5807	2.9316	5.4558	102.8554	0.6451
06:44:43	350.31	5.27	501.59	239.32	164.84	69.79	946.27	66.4323	71.3891	20.5807	2.9471	5.4880	103.8003	0.6508
06:44:44	350.31	5.26	501.59	214.90	146.52	70.52	947.80	48.4303	52.0278	20.4676	2.9584	5.5115	104.7360	0.6565
06:44:45	350.18	5.20	501.59	197.80	128.21	69.79	949.32	35.6855	38.3192	20.5807	2.9657	5.5288	105.6719	0.6622
06:44:46	350.18	5.17	501.59	190.48	124.54	69.79	947.29	31.2248	33.5206	20.5807	2.9721	5.5439	106.6044	0.6679
06:44:47	350.18	5.13	501.10	186.81	119.66	70.52	943.73	28.0386	30.0955	20.5807	2.9779	5.5575	107.5348	0.6736
06:44:48	350.18	5.08	501.59	181.93	116.00	70.76	942.71	25.8082	27.6801	20.6938	2.9832	5.5699	108.4600	0.6794
06:44:49	350.18	5.03	501.59	179.49	114.77	71.01	943.73	24.8524	26.6453	20.6938	2.9883	5.5820	109.3802	0.6851
06:44:50	350.18	4.99	428.33	172.16	112.33	69.79	942.20	24.3744	26.1208	20.5807	2.9933	5.5937	110.2892	0.6909
06:44:51	350.31	4.94	428.82	166.06	107.45	70.76	939.66	23.7372	25.4195	20.5807	2.9982	5.6052	111.1885	0.6966
06:44:52	360.07	4.92	427.84	161.17	102.56	70.04	938.64	23.4186	25.0628	20.5807	3.0030	5.6165	112.0796	0.7023
06:44:53	360.07	4.87	428.33	156.29	96.46	69.79	937.12	22.4627	24.0249	20.4676	3.0076	5.6258	112.9574	0.7080
06:44:54	360.07	4.85	428.33	152.63	92.80	70.52	744.41	21.6662	23.1587	20.4676	3.0121	5.6347	113.8271	0.7137
06:44:55	360.07	4.83	428.33	131.87	86.69	71.01	716.95	21.0289	22.4710	20.4676	3.0165	5.6433	114.6926	0.7194
06:44:56	360.07	4.83	428.33	119.66	83.03	70.28	690.51	20.3917	21.7765	20.4676	3.0208	5.6517	115.5498	0.7250
06:44:57	360.07	4.83	428.33	111.11	79.37	69.79	667.63	19.9138	21.2607	16.0575	3.0250	5.6599	116.2197	0.7295
06:44:58	360.07	4.85	428.33	105.01	75.70	70.04	658.98	17.2055	18.3635	10.5165	3.0286	5.6670	116.6563	0.7324
06:44:59	360.07	4.85	428.33	102.56	73.26	71.01	653.39	15.6124	16.6632	8.0287	3.0319	5.6734	116.9896	0.7346
06:45:00	360.20	4.88	510.87	101.34	70.82	71.01	647.80	14.4972	15.4730	5.3148	3.0349	5.6794	117.2102	0.7361
06:45:01	360.20	4.90	510.87	98.90	69.60	70.04	649.32	13.7007	14.6266	2.0355	3.0378	5.6850	117.2951	0.7367
06:45:02	381.32	4.92	510.87	97.68	68.38	69.79	649.32	13.3820	14.2864	0.9046	3.0406	5.6905	117.3328	0.7369
06:45:03	381.32	4.96	510.87	96.46	68.38	70.76	646.27	13.2227	14.1229	0.1131	3.0434	5.6970	117.3375	0.7370
06:45:04	381.32	5.00	510.87	96.46	68.38	70.76	647.80	12.9041	13.7869	0.0000	3.0461	5.7033	117.3375	0.7370

06:45:05	381.32	5.04	510.87	96.46	68.38	70.04	833.90	12.7448	13.6207	0.1131	3.0490	5.7096	117.3423	0.7370
06:45:06	381.32	5.08	510.87	102.56	73.26	69.79	1006.27	12.5855	13.4574	0.0000	3.0518	5.7158	117.3423	0.7370
06:45:07	381.32	5.09	510.87	113.55	75.70	69.79	1071.36	12.5855	13.4636	0.1131	3.0546	5.7220	117.3472	0.7370
06:45:08	381.32	5.12	510.87	144.08	84.25	69.79	1185.76	12.5855	13.4706	2.2616	3.0574	5.7282	117.4451	0.7377
06:45:09	381.32	5.14	510.87	169.72	89.13	71.01	1276.27	13.3820	14.3313	4.0709	3.0604	5.7347	117.6230	0.7388
06:45:10	381.32	5.17	595.36	222.22	102.56	70.52	1418.64	14.8158	15.8692	4.9756	3.0637	5.7420	117.8410	0.7402
06:45:11	381.32	5.19	595.36	294.26	123.32	69.79	1545.26	18.7986	20.1435	6.5587	3.0679	5.7513	118.1300	0.7420
06:45:12	358.00	5.19	594.87	565.32	173.38	70.52	1837.12	22.1441	23.7332	7.6895	3.0729	5.7622	118.4699	0.7441
06:45:13	358.12	5.21	594.87	927.96	260.07	70.76	1788.81	28.9944	31.0864	9.3857	3.0794	5.7788	118.8869	0.7467
06:45:14	358.12	5.23	594.87	1374.85	422.47	69.79	1857.97	38.3937	41.1744	10.5165	3.0880	5.8009	119.3560	0.7497
06:45:15	358.12	5.24	594.87	1964.59	710.62	69.79	1921.53	73.7606	79.0994	12.8912	3.1035	5.8432	119.9310	0.7532
06:45:16	358.12	5.24	594.87	2201.47	869.35	70.52	1787.29	121.0757	129.8861	15.8313	3.1289	5.9127	120.6409	0.7576
06:45:17	358.24	5.23	594.87	2130.65	858.36	70.52	1254.92	179.3832	192.4762	17.6406	3.1667	6.0157	121.4342	0.7625
06:45:18	358.12	5.22	594.87	1330.89	597.07	70.76	970.17	256.3299	275.0959	20.2415	3.2206	6.1628	122.3473	0.7682
06:45:19	358.24	5.22	594.87	874.24	437.12	69.55	941.19	287.2362	308.2648	20.8069	3.2810	6.3277	123.2858	0.7739
06:45:20	358.12	5.19	504.52	474.97	282.05	69.79	938.64	277.9962	298.2869	22.0508	3.3396	6.4873	124.2775	0.7801
06:45:21	358.12	5.18	505.01	345.54	221.00	71.01	934.58	173.6480	186.2936	21.1461	3.3761	6.5870	125.2264	0.7859
06:45:22	321.49	5.16	504.52	268.62	179.49	70.04	932.54	114.0660	122.3727	20.4676	3.4001	6.6525	126.1449	0.7916
06:45:23	321.37	5.12	504.52	211.23	139.19	70.76	933.56	61.9716	66.4606	20.4676	3.4131	6.6826	127.0585	0.7973
06:45:24	321.37	5.10	505.01	192.92	125.76	69.55	933.56	45.0848	48.3430	20.4676	3.4226	6.7046	127.9701	0.8030
06:45:25	321.37	5.06	505.01	183.15	117.22	70.28	937.12	35.0482	37.5709	20.4676	3.4292	6.7216	128.8789	0.8087
06:45:26	321.49	5.01	505.01	172.16	106.23	70.52	943.73	27.5607	29.5276	20.3545	3.4344	6.7350	129.7752	0.8143
06:45:27	321.37	4.96	505.01	166.06	101.34	69.79	948.31	25.1710	26.9618	20.4676	3.4391	6.7473	130.6737	0.8200
06:45:28	321.49	4.91	505.01	161.17	97.68	70.52	953.90	23.8965	25.5822	20.4676	3.4436	6.7589	131.5646	0.8257
06:45:29	321.49	4.87	505.49	162.39	96.46	70.28	957.46	22.4627	24.0299	20.4676	3.4479	6.7698	132.4459	0.8314
06:45:30	321.37	4.81	412.70	161.17	95.24	69.55	949.32	21.6662	23.1634	20.8069	3.4519	6.7803	133.3335	0.8372
06:45:31	321.37	4.78	412.70	158.73	94.02	70.04	946.27	21.0289	22.4682	20.8069	3.4559	6.7905	134.2126	0.8430
06:45:32	342.25	4.74	412.70	155.07	92.80	70.04	944.75	21.1882	22.6244	20.9200	3.4599	6.8008	135.0881	0.8488
06:45:33	342.25	4.72	412.70	152.63	92.80	70.76	943.22	21.0289	22.4392	20.8069	3.4638	6.8091	135.9498	0.8545
06:45:34	342.12	4.68	412.70	147.74	90.35	70.04	692.03	20.7103	22.0901	20.6938	3.4677	6.8173	136.8012	0.8603
06:45:35	342.25	4.68	412.21	134.31	86.69	69.55	730.17	20.2324	21.5700	20.5807	3.4718	6.8253	137.6411	0.8660
06:45:36	342.25	4.68	412.70	117.22	81.81	69.79	680.34	19.9138	21.2249	20.5807	3.4757	6.8332	138.4775	0.8717
06:45:37	342.25	4.69	412.70	109.89	79.37	70.76	671.19	19.2765	20.5340	14.9267	3.4796	6.8408	139.0786	0.8759
06:45:38	342.25	4.71	412.70	103.79	75.70	69.79	666.61	17.5241	18.6673	11.6473	3.4831	6.8478	139.5477	0.8791
06:45:39	342.25	4.71	505.01	102.56	74.48	71.01	662.54	15.2938	16.2914	7.2372	3.4861	6.8538	139.8391	0.8811
06:45:40	342.25	4.74	505.01	101.34	73.26	71.01	660.00	14.3379	15.2756	4.4102	3.4890	6.8595	140.0172	0.8823
06:45:41	342.37	4.79	505.49	98.90	70.82	70.52	660.00	13.5413	14.4292	1.3570	3.4917	6.8648	140.0721	0.8827
06:45:42	383.39	4.81	505.01	98.90	70.82	70.76	658.47	13.3820	14.2594	0.3392	3.4944	6.8713	140.0858	0.8828
06:45:43	383.39	4.86	505.01	97.68	68.38	70.28	658.47	13.2227	14.0955	0.1131	3.4970	6.8777	140.0905	0.8828
06:45:44	383.39	4.86	505.01	97.68	68.38	70.28	658.47	12.9041	13.7658	0.1131	3.4996	6.8840	140.0951	0.8829
06:45:45	383.39	4.94	505.01	98.90	69.60	70.04	910.17	12.9041	13.7711	0.1131	3.5025	6.8902	140.0998	0.8829
06:45:46	383.39	4.97	505.01	102.56	73.26	70.76	1021.53	12.7448	13.6095	0.1131	3.5053	6.8964	140.1045	0.8829
06:45:47	383.27	5.01	504.52	124.54	79.37	70.04	1134.92	12.7448	13.6095	0.1131	3.5082	6.9026	140.1093	0.8830
06:45:48	383.39	5.02	504.52	146.52	85.47	69.55	1225.42	12.9041	13.7939	3.1663	3.5111	6.9088	140.2438	0.8839
06:45:49	383.39	5.06	597.31	189.26	98.90	69.79	1383.05	13.3820	14.3114	3.9578	3.5141	6.9153	140.4131	0.8850
06:45:50	383.39	5.07	596.83	238.10	119.66	70.76	1515.76	16.2496	17.3862	5.6540	3.5177	6.9232	140.6568	0.8865
06:45:51	383.39	5.07	596.83	347.99	148.96	69.55	1701.87	19.1172	20.4575	6.8979	3.5220	6.9325	140.9547	0.8884
06:45:52	370.70	5.10	597.31	846.15	266.18	70.28	1821.36	24.6931	26.4366	8.5941	3.5276	6.9467	141.3285	0.8908
06:45:53	370.70	5.10	597.31	1319.90	433.46	69.55	1864.07	31.0655	33.2658	9.9511	3.5346	6.9646	141.7627	0.8936
06:45:54	370.70	5.12	596.83	1737.48	634.92	70.28	1927.63	45.4034	48.6192	11.6473	3.5448	6.9907	142.2709	0.8968
06:45:55	370.70	5.12	596.83	2177.04	901.10	69.79	1905.26	110.4019	118.2553	15.3790	3.5688	7.0542	142.9450	0.9011
06:45:56	370.70	5.10	596.83	2151.40	924.30	70.52	1194.41	172.2142	184.4645	17.3014	3.6062	7.1533	143.7033	0.9059
06:45:57	370.70	5.10	597.31	1252.75	614.16	69.79	912.20	226.6982	242.8994	19.1107	3.6555	7.2837	144.5448	0.9112
06:45:58	370.70	5.10	596.83	802.20	434.68	69.79	927.97	284.0499	304.3498	21.1461	3.7173	7.4470	145.4760	0.9171
06:45:59	370.70	5.10	596.83	527.47	321.12	70.52	945.25	280.7044	300.7031	21.2592	3.7783	7.6084	146.4092	0.9230
06:46:00	370.70	5.08	501.10	328.45	222.22	69.79	953.90	163.4522	175.0972	19.9022	3.8139	7.7025	147.2829	0.9285
06:46:01	370.70	5.08	501.10	266.18	181.93	68.82	958.47	104.6668	112.1237	20.2415	3.8366	7.7627	148.1715	0.9341
06:46:02	333.82	5.04	501.59	208.79	141.64	69.31	899.49	68.8220	73.7252	20.5807	3.8516	7.8022	149.0749	0.9399
06:46:03	333.82	5.02	501.59	185.59	120.88	70.28	914.24	42.8544	45.8957	20.9200	3.8609	7.8229	149.9898	0.9457
06:46:04	333.94	4.98	501.10	168.50	107.45	70.76	923.39	34.7296	37.1943	20.9200	3.8684	7.8397	150.9046	0.9515
06:46:05	333.82	4.93	501.59	157.51	98.90	69.55	931.53	27.2420	29.1568	19.5630	3.8738	7.8528	151.7529	0.9569
06:46:06	333.82	4.89	501.10	151.40	95.24	70.28	939.66	24.2151	25.9092	20.0153	3.8785	7.8645	152.6168	0.9625
06:46:07	333.82	4.83	501.10	150.18	92.80	70.04	948.31	21.9848	23.5119	20.1284	3.8828	7.8751	153.4794	0.9681
06:46:08	333.82	4.80	501.59	151.40	91.58	70.04	952.88	20.5510	21.9626	20.2415	3.8868	7.8850	154.3374	0.9737
06:46:09	333.82	4.75	501.59	152.63	92.80	70.04	956.95	19.7544	21.1015	20.4676	3.8907	7.8945	155.1988	0.9794
06:46:10	333.82	4.69	404.40	152.63	91.58	69.55	947.29	19.5951	20.9141	20.5807	3.8945	7.9039	156.0539	0.9851
06:46:11	333.82	4.65	404.40	150.18	90.35	69.55	946.27	19.7544	21.0743	20.9200	3.8983	7.9135	156.9167	0.9909

06:46:12	348.23	4.62	404.40	147.74	89.13	69.79	945.25	19.9138	21.2311	20.9200	3.9022	7.9230	157.7711	0.9967
06:46:13	348.23	4.59	404.40	145.30	87.91	70.52	919.32	19.9138	21.2158	20.5807	3.9061	7.9307	158.6020	1.0024
06:46:14	348.23	4.56	404.40	140.42	86.69	70.52	695.08	19.5951	20.8655	20.5807	3.9099	7.9383	159.4260	1.0081
06:46:15	348.23	4.56	404.88	128.21	84.25	70.04	695.08	19.2765	20.5162	20.5807	3.9138	7.9458	160.2431	1.0139
06:46:16	348.23	4.55	404.88	113.55	78.14	70.76	684.41	18.9579	20.1698	20.0153	3.9177	7.9531	161.0330	1.0194
06:46:17	348.11	4.55	404.88	107.45	75.70	70.28	677.29	18.3207	19.4837	15.0398	3.9214	7.9602	161.6225	1.0236
06:46:18	348.23	4.57	404.40	102.56	72.04	69.55	667.12	16.7276	17.7895	11.4212	3.9248	7.9667	162.0701	1.0268
06:46:19	348.23	4.57	404.40	101.34	70.82	70.76	663.56	14.8158	15.7540	7.0110	3.9278	7.9724	162.3442	1.0287
06:46:20	348.23	4.61	488.40	100.12	68.38	70.28	659.49	14.0193	14.9070	4.4102	3.9306	7.9779	162.5167	1.0299
06:46:21	348.23	4.64	488.89	98.90	68.38	70.28	658.47	13.3820	14.2345	1.4701	3.9333	7.9830	162.5745	1.0304
06:46:22	382.91	4.68	488.89	97.68	67.16	69.55	658.47	13.2227	14.0651	0.6785	3.9360	7.9882	162.6012	1.0305
06:46:23	383.03	4.72	488.89	97.68	67.16	69.55	658.47	13.0634	13.9028	0.0000	3.9387	7.9943	162.6012	1.0305
06:46:24	382.91	4.74	488.89	96.46	65.93	70.04	692.54	12.9041	13.7389	0.1131	3.9413	8.0003	162.6057	1.0306
06:46:25	382.91	4.76	488.89	97.68	65.93	69.55	944.24	12.7448	13.5765	0.1131	3.9441	8.0063	162.6102	1.0306
06:46:26	382.91	4.80	489.38	106.23	72.04	70.04	1082.03	12.7448	13.5849	0.1131	3.9470	8.0122	162.6148	1.0306
06:46:27	382.91	4.80	489.38	124.54	76.92	69.79	1162.88	12.5855	13.4186	0.4523	3.9498	8.0181	162.6333	1.0308
06:46:28	383.03	4.85	488.89	163.61	86.69	69.31	1320.51	12.7448	13.5912	3.6186	3.9526	8.0241	162.7814	1.0318
06:46:29	383.03	4.86	488.89	206.35	96.46	70.28	1436.95	13.8600	14.7881	4.8625	3.9557	8.0306	162.9822	1.0331
06:46:30	382.91	4.88	570.94	369.96	141.64	70.28	1699.32	16.2496	17.3378	5.9933	3.9594	8.0383	163.2296	1.0348
06:46:31	382.91	4.89	571.43	630.04	202.69	69.07	1875.76	21.3476	22.7912	7.8026	3.9642	8.0483	163.5548	1.0370
06:46:32	358.12	4.89	571.43	1075.70	346.76	70.28	1845.26	26.9234	28.7486	9.1596	3.9702	8.0609	163.9375	1.0395
06:46:33	358.12	4.91	570.94	1731.38	683.76	70.52	1913.39	48.2710	51.5566	11.5342	3.9810	8.0874	164.4214	1.0427
06:46:34	358.12	4.93	570.94	2058.61	898.66	69.55	1948.98	82.2040	87.8130	13.4566	3.9994	8.1325	164.9872	1.0464
06:46:35	358.12	4.93	571.43	2282.05	1050.06	70.76	1869.66	140.3522	149.9220	16.5098	4.0288	8.2096	165.6815	1.0510
06:46:36	358.12	4.93	570.94	1724.05	835.16	70.28	927.97	225.9017	241.3793	19.1107	4.0761	8.3335	166.4890	1.0563
06:46:37	358.12	4.93	570.94	1115.99	588.52	69.31	941.70	268.5969	287.0738	20.8069	4.1324	8.4809	167.3716	1.0621
06:46:38	358.12	4.93	570.94	590.96	354.09	70.52	952.88	297.7506	318.2331	21.8246	4.1948	8.6444	168.2975	1.0682
06:46:39	358.00	4.91	570.94	412.70	269.84	70.52	956.95	224.9458	240.4200	20.0153	4.2420	8.7679	169.1465	1.0737
06:46:40	358.12	4.91	488.89	316.24	216.12	70.28	955.42	145.6094	155.6260	20.4676	4.2725	8.8478	170.0148	1.0794
06:46:41	358.12	4.88	488.89	241.76	166.06	70.76	937.63	77.1061	82.4103	20.8069	4.2886	8.8901	170.8974	1.0852
06:46:42	327.35	4.87	488.89	212.45	145.30	70.04	935.09	53.8468	57.5332	21.0330	4.2999	8.9197	171.7854	1.0910
06:46:43	327.23	4.82	488.89	192.92	129.43	70.52	938.64	41.2613	44.0861	20.9200	4.3085	8.9390	172.6687	1.0969
06:46:44	327.35	4.80	488.89	173.38	113.55	70.52	937.12	31.5434	33.6907	20.3545	4.3151	8.9539	173.5232	1.1025
06:46:45	327.23	4.79	488.89	164.84	105.01	69.55	937.12	27.7199	29.6007	20.4676	4.3205	8.9669	174.3805	1.1082
06:46:46	327.23	4.72	488.89	157.51	98.90	70.76	938.64	25.1710	26.8608	20.3545	4.3253	8.9787	175.2241	1.1138
06:46:47	327.35	4.71	488.40	153.85	96.46	69.55	941.70	22.6220	24.1357	20.3545	4.3296	8.9893	176.0650	1.1195
06:46:48	327.35	4.71	488.40	153.85	96.46	70.52	941.70	21.5069	22.9412	20.4676	4.3337	8.9994	176.9078	1.1252
06:46:49	327.23	4.63	488.89	151.40	94.02	70.76	944.24	20.5510	21.9034	20.4676	4.3376	9.0090	177.7397	1.1309
06:46:50	327.23	4.58	405.86	150.18	92.80	70.04	949.83	20.0731	21.3885	20.5807	4.3415	9.0184	178.5726	1.1366
06:46:51	327.35	4.56	405.86	150.18	92.80	69.55	951.86	20.0731	21.3885	20.5807	4.3453	9.0278	179.4056	1.1423
06:46:52	346.28	4.50	406.35	148.96	91.58	70.04	955.42	19.7544	21.0284	20.5807	4.3491	9.0370	180.2254	1.1480
06:46:53	346.28	4.48	405.86	148.96	90.35	70.76	957.46	19.5951	20.8437	20.8069	4.3528	9.0447	181.0445	1.1538
06:46:54	346.28	4.45	406.35	142.86	87.91	70.76	706.78	19.5951	20.8383	20.6938	4.3565	9.0523	181.8556	1.1595
06:46:55	346.28	4.46	405.86	130.65	84.25	70.76	723.56	19.4358	20.6536	20.9200	4.3604	9.0598	182.6650	1.1654
06:46:56	346.28	4.46	406.35	114.77	78.14	70.76	683.39	19.4358	20.6493	20.9200	4.3644	9.0673	183.4717	1.1712
06:46:57	346.28	4.46	406.35	108.67	75.70	70.76	669.66	18.6393	19.7949	15.2659	4.3681	9.0746	184.0562	1.1754
06:46:58	346.15	4.47	405.86	105.01	74.48	70.28	670.68	17.0462	18.1058	12.0997	4.3715	9.0812	184.5207	1.1788
06:46:59	346.40	4.52	406.35	102.56	73.26	70.76	660.00	14.9752	15.9060	7.3503	4.3746	9.0870	184.8029	1.1808
06:47:00	346.28	4.54	486.94	101.34	70.82	69.79	655.93	14.1786	15.0600	4.8625	4.3774	9.0925	184.9896	1.1822
06:47:01	346.28	4.58	486.94	100.12	69.60	70.76	655.93	13.7007	14.5546	2.4878	4.3802	9.0978	185.0853	1.1829
06:47:02	362.15	4.60	486.94	98.90	68.38	70.76	655.93	13.3820	14.2249	1.0177	4.3829	9.1030	185.1249	1.1831
06:47:03	362.15	4.64	486.94	98.90	68.38	70.76	657.46	13.2227	14.0585	0.1131	4.3855	9.1092	185.1293	1.1832
06:47:04	362.15	4.67	487.42	98.90	67.16	69.79	721.02	13.0634	13.8970	0.1131	4.3882	9.1153	185.1338	1.1832
06:47:05	362.15	4.71	486.94	100.12	68.38	70.76	956.44	12.9041	13.7322	0.1131	4.3909	9.1213	185.1383	1.1832
06:47:06	362.27	4.72	486.94	103.79	73.26	69.79	1048.48	12.9041	13.7393	0.0000	4.3936	9.1273	185.1383	1.1832
06:47:07	362.15	4.76	486.94	119.66	80.59	70.76	1164.92	12.9041	13.7436	0.5654	4.3963	9.1333	185.1610	1.1834
06:47:08	362.27	4.78	486.94	157.51	86.69	69.55	1260.51	13.0634	13.9204	3.8447	4.3991	9.1394	185.3166	1.1845
06:47:09	362.15	4.80	486.94	218.56	102.56	70.76	1421.19	13.5413	14.4334	4.4102	4.4020	9.1457	185.4958	1.1857
06:47:10	362.15	4.78	567.03	315.02	125.76	69.55	1561.02	15.6124	16.6478	5.9933	4.4053	9.1530	185.7410	1.1873
06:47:11	362.15	4.81	567.03	479.85	157.51	69.55	1862.04	20.5510	21.9207	7.3503	4.4096	9.1626	186.0432	1.1894
06:47:12	337.36	4.81	567.03	804.64	230.77	70.76	1816.78	28.5165	30.4234	9.2726	4.4156	9.1759	186.4256	1.1920
06:47:13	337.36	4.81	567.03	1715.51	610.50	70.28	1899.66	41.1020	43.8437	10.4034	4.4243	9.1983	186.8537	1.1949
06:47:14	337.24	4.83	567.03	2072.04	819.29	71.01	1949.49	62.6089	66.8093	12.2127	4.4376	9.2324	187.3590	1.1982
06:47:15	337.36	4.83	567.03	2319.90	991.45	69.79	1652.04	104.9854	112.0237	14.5874	4.4583	9.2895	187.9626	1.2023
06:47:16	337.36	4.81	567.03	1953.60	903.54	70.28	1042.88	223.8306	238.8365	18.8845	4.5024	9.4113	188.7441	1.2075
06:47:17	337.36	4.81	567.03	1319.90	659.34	70.76	953.39	270.3493	288.5333	21.2592	4.5557	9.5584	189.6266	1.2135
06:47:18	337.36	4.81	567.03	686.20	396.83	69.79	944.24	302.6892	323.0485	22.1639	4.6153	9.7232	190.5467	1.2196

06:47:19	337.36	4.81	567.03	460.32	300.37	70.52	944.24	254.8961	271.9845	22.1639	4.6656	9.8619	191.4639	1.2258
06:47:20	337.36	4.78	486.94	334.55	235.65	69.79	943.22	172.2142	183.7596	20.6938	4.6995	9.9556	192.3202	1.2315
06:47:21	337.36	4.78	486.94	242.98	178.27	70.52	941.19	89.5323	95.5346	20.5807	4.7172	10.0043	193.1718	1.2372
06:47:22	308.42	4.73	486.94	214.90	153.85	69.79	940.17	60.0599	64.0864	20.5807	4.7290	10.0370	194.0234	1.2429
06:47:23	308.55	4.73	486.94	190.48	129.43	69.79	938.64	43.6510	46.5605	20.5807	4.7376	10.0574	194.8702	1.2487
06:47:24	308.55	4.68	486.94	179.49	120.88	69.79	938.64	31.7027	33.8159	20.5807	4.7438	10.0722	195.7170	1.2544
06:47:25	308.42	4.65	486.94	168.50	111.11	71.01	938.64	28.0386	29.8858	20.4676	4.7489	10.0853	196.5502	1.2601
06:47:26	308.55	4.61	486.94	162.39	106.23	70.52	938.64	24.8524	26.4897	20.4676	4.7534	10.0969	197.3834	1.2658
06:47:27	308.55	4.56	486.94	157.51	102.56	69.79	939.66	23.4186	24.9434	20.4676	4.7576	10.1078	198.2070	1.2714
06:47:28	308.42	4.53	486.94	157.51	100.12	71.01	939.66	21.9848	23.4090	20.3545	4.7615	10.1180	199.0219	1.2771
06:47:29	308.42	4.50	486.94	156.29	98.90	70.76	940.68	21.1882	22.5469	20.4676	4.7653	10.1279	199.8331	1.2828
06:47:30	308.42	4.45	406.35	153.85	97.68	70.76	941.70	20.5510	21.8541	20.4676	4.7690	10.1375	200.6353	1.2885
06:47:31	308.42	4.43	406.35	152.63	96.46	71.01	943.22	20.5510	21.8473	20.4676	4.7727	10.1470	201.4335	1.2941
06:47:32	340.29	4.40	406.35	153.85	95.24	70.52	944.75	20.3917	21.6679	20.4676	4.7764	10.1565	202.2254	1.2998
06:47:33	340.29	4.40	406.35	152.63	94.02	70.04	760.17	20.0731	21.3150	20.5807	4.7800	10.1643	203.0128	1.3055
06:47:34	340.17	4.40	406.35	144.08	91.58	70.76	664.07	19.9138	21.1414	20.4676	4.7836	10.1720	203.7930	1.3112
06:47:35	340.17	4.41	406.35	129.43	87.91	70.76	693.05	20.0731	21.3019	20.5807	4.7875	10.1798	204.5714	1.3170
06:47:36	340.29	4.41	405.86	122.10	86.69	70.76	680.34	19.9138	21.1328	16.3967	4.7915	10.1876	205.1915	1.3215
06:47:37	340.17	4.43	406.35	114.77	84.25	71.25	680.34	18.7986	19.9494	12.5520	4.7952	10.1948	205.6662	1.3250
06:47:38	340.29	4.48	406.35	107.45	80.59	70.76	668.64	16.8869	17.9243	7.6895	4.7985	10.2014	205.9581	1.3271
06:47:39	340.29	4.52	406.35	105.01	78.14	70.04	665.59	15.9310	16.9098	5.2017	4.8017	10.2076	206.1555	1.3286
06:47:40	340.29	4.56	499.15	102.56	75.70	70.52	665.59	14.9752	15.8993	2.6009	4.8046	10.2134	206.2546	1.3293
06:47:41	340.29	4.56	499.15	102.56	75.70	70.76	665.59	14.0193	14.8944	0.9046	4.8074	10.2188	206.2895	1.3295
06:47:42	367.15	4.65	499.63	100.12	73.26	71.01	665.59	13.7007	14.5627	0.1131	4.8101	10.2241	206.2939	1.3296
06:47:43	367.03	4.69	499.15	98.90	73.26	71.01	663.05	13.3820	14.2329	0.0000	4.8128	10.2305	206.2939	1.3296
06:47:44	367.28	4.72	499.15	98.90	73.26	70.28	879.66	13.3820	14.2329	0.0000	4.8154	10.2369	206.2939	1.3296
06:47:45	367.15	4.76	499.15	101.34	75.70	71.01	1040.85	13.0634	13.9105	0.1131	4.8182	10.2432	206.2984	1.3296
06:47:46	367.28	4.78	499.63	119.66	81.81	71.01	1170.51	12.9041	13.7487	0.1131	4.8210	10.2493	206.3030	1.3296
06:47:47	367.28	4.81	499.15	142.86	86.69	70.28	1274.75	12.9041	13.7543	2.8270	4.8237	10.2555	206.4179	1.3304
06:47:48	366.79	4.81	499.15	200.24	102.56	71.01	1460.85	13.2227	14.1005	4.1840	4.8266	10.2618	206.5892	1.3316
06:47:49	366.79	4.81	499.15	200.24	102.56	70.28	1460.85	15.6124	16.6540	5.8802	4.8299	10.2693	206.8311	1.3332
06:47:50	367.15	4.84	589.50	443.22	174.60	69.79	1876.27	18.6393	19.8900	7.1241	4.8339	10.2783	207.1259	1.3352
06:47:51	367.15	4.84	589.01	858.36	284.49	71.01	1841.70	26.1269	27.8799	9.3857	4.8395	10.2908	207.5143	1.3378
06:47:52	339.80	4.86	589.01	1595.85	577.53	71.01	1903.73	26.1269	27.8799	9.3857	4.8451	10.3033	207.9027	1.3404
06:47:53	339.80	4.86	589.50	1953.60	769.23	70.76	1951.53	57.8296	61.7354	12.7781	4.8575	10.3360	208.4349	1.3440
06:47:54	339.80	4.85	589.50	2249.08	963.37	70.04	1754.24	111.9950	119.5592	15.9444	4.8816	10.3994	209.0989	1.3484
06:47:55	339.80	4.83	589.01	1985.35	859.58	71.25	1064.24	208.2183	222.3161	18.7714	4.9229	10.5171	209.8832	1.3536
06:47:56	339.80	4.83	589.50	1367.52	648.35	70.52	965.09	254.8961	272.1543	20.3545	4.9736	10.6614	210.7337	1.3593
06:47:57	339.80	4.81	589.01	724.05	406.59	71.01	954.41	293.4492	313.2693	21.8246	5.0318	10.8275	211.6434	1.3653
06:47:58	339.80	4.81	589.01	482.30	301.59	71.01	941.19	259.0382	276.4912	22.5031	5.0833	10.9739	212.5791	1.3716
06:47:59	339.93	4.79	589.50	344.32	229.55	70.76	930.00	178.4273	190.4491	21.1461	5.1187	11.0749	213.4584	1.3775
06:48:00	339.80	4.78	492.80	239.32	161.17	70.04	926.95	94.4709	100.8048	20.6938	5.1375	11.1283	214.3147	1.3832
06:48:01	339.80	4.73	493.28	201.47	122.10	70.76	926.95	62.9275	67.1465	20.5807	5.1500	11.1639	215.1663	1.3889
06:48:02	308.42	4.71	493.28	169.72	107.45	70.76	930.00	44.9255	47.9251	20.3545	5.1589	11.1893	216.0052	1.3946
06:48:03	308.55	4.67	492.80	159.95	101.34	70.04	932.54	31.2248	33.3045	20.1284	5.1651	11.2040	216.8327	1.4002
06:48:04	308.55	4.64	492.80	155.07	98.90	70.52	937.63	26.2862	28.0196	20.1284	5.1703	11.2165	217.6521	1.4058
06:48:05	308.55	4.59	493.28	152.63	97.68	70.04	945.76	22.1441	23.5945	20.2415	5.1743	11.2269	218.4713	1.4114
06:48:06	308.42	4.53	493.28	153.85	97.68	71.01	949.32	20.8696	22.2273	20.3545	5.1780	11.2368	219.2896	1.4170
06:48:07	308.42	4.49	492.80	157.51	102.56	70.52	945.25	20.2324	21.5397	20.4676	5.1817	11.2463	220.1070	1.4227
06:48:08	308.55	4.44	492.80	157.51	102.56	70.04	934.07	19.9138	21.1852	20.6938	5.1852	11.2557	220.9237	1.4285
06:48:09	308.42	4.43	493.28	156.29	100.12	71.01	934.07	20.0731	21.3392	20.5807	5.1888	11.2652	221.7263	1.4342
06:48:10	308.42	4.38	396.09	153.85	96.46	70.52	940.17	20.5510	21.8337	20.4676	5.1925	11.2749	222.5161	1.4399
06:48:11	308.55	4.36	396.09	153.85	96.46	70.04	940.17	20.5510	21.8213	20.3545	5.1962	11.2846	223.2941	1.4455
06:48:12	350.31	4.32	396.09	157.51	96.46	70.52	943.22	20.3917	21.6477	20.3545	5.1999	11.2942	224.0694	1.4512
06:48:13	350.31	4.32	396.09	158.73	95.24	70.28	791.19	20.0731	21.2962	20.4676	5.2035	11.3017	224.8407	1.4569
06:48:14	350.18	4.32	396.58	148.96	91.58	70.04	650.34	20.0731	21.2896	20.5807	5.2071	11.3093	225.6122	1.4626
06:48:15	350.18	4.33	396.58	125.76	85.47	70.52	689.49	20.5510	21.7880	20.5807	5.2112	11.3171	226.3774	1.4683
06:48:16	350.18	4.33	396.09	116.00	80.59	70.04	672.71	20.7103	21.9569	16.9621	5.2155	11.3249	227.0081	1.4730
06:48:17	350.18	4.39	396.09	109.89	78.14	70.04	671.70	19.4358	20.6057	12.0997	5.2194	11.3323	227.4579	1.4764
06:48:18	350.18	4.42	396.09	103.79	75.70	70.76	663.05	16.4089	17.3994	7.9157	5.2227	11.3385	227.7531	1.4786
06:48:19	350.18	4.44	396.09	102.56	74.48	71.25	661.02	15.1345	16.0479	5.4279	5.2258	11.3442	227.9554	1.4801
06:48:20	350.18	4.49	483.03	100.12	73.26	70.28	658.47	14.3379	15.2151	3.0532	5.2287	11.3496	228.0708	1.4809
06:48:21	350.18	4.52	483.03	98.90	73.26	70.28	658.47	13.5413	14.3743	1.0177	5.2315	11.3547	228.1094	1.4812
06:48:22	356.17	4.57	483.03	98.90	74.48	70.04	658.47	13.3820	14.2088	0.1131	5.2342	11.3598	228.1138	1.4812
06:48:23	356.04	4.60	483.03	98.90	75.70	71.25	661.02	13.0634	13.8813	0.1131	5.2369	11.3658	228.1181	1.4813
06:48:24	356.17	4.63	483.03	98.90	75.70	70.28	867.46	12.9041	13.7170	0.1131	5.2395	11.3718	228.1225	1.4813
06:48:25	356.17	4.65	483.03	102.56	79.37	70.04	1065.76	12.9041	13.7257	0.1131	5.2422	11.3777	228.1270	1.4813

06:48:26	356.17	4.67	483.03	125.76	85.47	70.52	1146.10	12.9041	13.7320	0.1131	5.2449	11.3837	228.1315	1.4814
06:48:27	356.17	4.67	483.03	152.63	87.91	71.01	1245.76	12.9041	13.7363	2.4878	5.2475	11.3897	228.2305	1.4821
06:48:28	356.17	4.67	483.03	206.35	102.56	70.04	1413.56	13.3820	14.2502	4.0709	5.2503	11.3959	228.3935	1.4832
06:48:29	356.17	4.67	483.52	266.18	124.54	71.25	1559.49	16.4089	17.4771	5.7671	5.2537	11.4035	228.6251	1.4848
06:48:30	356.04	4.68	568.99	399.27	159.95	71.01	1761.87	19.9138	21.2101	7.0110	5.2579	11.4127	228.9068	1.4867
06:48:31	356.17	4.67	569.47	937.73	296.70	70.04	1825.42	26.9234	28.6760	8.9334	5.2635	11.4251	229.2656	1.4892
06:48:32	328.21	4.68	568.99	1395.60	467.64	71.25	1879.83	34.7296	36.9903	10.4034	5.2707	11.4412	229.6835	1.4921
06:48:33	328.33	4.66	568.99	1980.46	749.69	71.01	1944.41	52.0944	55.4941	12.0997	5.2815	11.4696	230.1708	1.4955
06:48:34	328.33	4.66	568.99	2236.87	927.96	70.04	1936.78	122.3502	130.3079	16.0575	5.3069	11.5363	230.8153	1.4999
06:48:35	328.33	4.65	569.47	2207.57	970.70	70.04	1144.58	182.0914	193.9548	17.9799	5.3417	11.6356	231.5388	1.5049
06:48:36	328.45	4.65	568.99	1267.40	631.26	70.76	953.90	258.4009	275.1649	20.4676	5.3912	11.7764	232.3589	1.5106
06:48:37	328.33	4.62	568.99	827.84	452.99	70.76	961.02	291.8561	310.7905	21.8246	5.4471	11.9354	233.2334	1.5167
06:48:38	328.33	4.62	569.47	558.00	295.48	70.28	951.36	288.0327	306.6715	22.1639	5.5022	12.0925	234.1193	1.5228
06:48:39	328.33	4.58	569.47	338.22	235.65	70.76	945.76	165.3639	176.0647	20.9200	5.5339	12.1826	234.9554	1.5286
06:48:40	328.33	4.56	479.12	266.18	191.70	70.28	945.76	108.0123	114.9543	20.9200	5.5545	12.2414	235.7860	1.5344
06:48:41	328.33	4.52	479.12	208.79	147.74	71.01	944.24	72.8047	77.4839	20.6938	5.5685	12.2811	236.6075	1.5402
06:48:42	295.24	4.50	479.12	189.26	128.21	71.25	942.71	44.1289	46.9432	20.6938	5.5769	12.3051	237.4228	1.5459
06:48:43	295.12	4.46	479.12	177.05	116.00	71.25	943.73	34.7296	36.9369	20.5807	5.5835	12.3210	238.2309	1.5517
06:48:44	295.24	4.42	478.63	166.06	103.79	70.76	942.20	27.2420	28.9555	20.5807	5.5887	12.3335	239.0307	1.5574
06:48:45	295.24	4.40	478.63	164.84	101.34	71.01	942.20	24.6931	26.2378	20.4676	5.5930	12.3448	239.8226	1.5631
06:48:46	295.24	4.35	479.12	164.84	97.68	71.01	942.20	23.1000	24.5323	20.4676	5.5969	12.3554	240.6077	1.5687
06:48:47	295.12	4.31	479.12	164.84	96.46	71.01	942.20	21.6662	22.9989	20.4676	5.6007	12.3653	241.3866	1.5744
06:48:48	295.24	4.28	479.12	158.73	94.02	71.25	941.19	21.5069	22.8239	20.4676	5.6044	12.3751	242.1620	1.5801
06:48:49	295.24	4.24	479.12	150.18	91.58	70.28	940.17	21.5069	22.8086	20.5807	5.6080	12.3850	242.9328	1.5858
06:48:50	295.24	4.19	388.28	144.08	87.91	71.25	940.17	21.5069	22.7968	20.4676	5.6117	12.3948	243.6924	1.5915
06:48:51	295.24	4.18	388.77	140.42	87.91	70.04	940.17	20.7103	21.9411	20.4676	5.6153	12.4042	244.4452	1.5972
06:48:52	333.82	4.15	388.77	137.97	86.69	71.01	940.17	19.5951	20.7511	20.5807	5.6186	12.4132	245.1966	1.6029
06:48:53	333.82	4.15	388.28	136.75	86.69	70.28	767.29	18.7986	19.8941	20.5807	5.6218	12.4201	245.9390	1.6086
06:48:54	333.82	4.15	388.28	122.10	83.03	71.49	724.58	18.3207	19.3853	20.4676	5.6250	12.4269	246.6752	1.6143
06:48:55	333.82	4.17	388.28	113.55	79.37	71.25	700.17	18.0020	19.0417	20.5807	5.6285	12.4336	247.4100	1.6200
06:48:56	333.82	4.19	388.77	105.01	75.70	71.25	680.85	17.8427	18.8731	16.5098	5.6319	12.4401	247.9995	1.6246
06:48:57	333.82	4.22	388.28	102.56	72.04	70.52	680.85	15.9310	16.8510	10.9688	5.6350	12.4460	248.3911	1.6277
06:48:58	333.82	4.27	388.28	101.34	69.60	70.76	670.17	14.8158	15.6755	8.3680	5.6378	12.4515	248.6913	1.6300
06:48:59	333.94	4.32	388.28	98.90	67.16	70.52	667.12	13.7007	14.5001	4.8625	5.6405	12.4566	248.8667	1.6313
06:49:00	333.82	4.38	484.98	96.46	64.71	70.52	664.58	13.3820	14.1688	2.7139	5.6431	12.4615	248.9653	1.6321
06:49:01	333.82	4.43	484.98	95.24	63.49	70.76	664.58	13.2227	14.0081	1.3570	5.6456	12.4664	249.0151	1.6325
06:49:02	356.17	4.48	485.47	94.02	63.49	70.28	668.64	12.9041	13.6805	0.1131	5.6481	12.4712	249.0194	1.6325
06:49:03	356.17	4.49	484.98	94.02	62.27	71.01	667.63	12.5855	13.3523	0.1131	5.6506	12.4770	249.0236	1.6325
06:49:04	356.17	4.55	485.47	94.02	63.49	70.04	1009.32	12.4262	13.1922	0.1131	5.6530	12.4828	249.0279	1.6326
06:49:05	356.04	4.56	484.98	100.12	65.93	71.01	1103.39	12.2669	13.0323	0.1131	5.6555	12.4885	249.0323	1.6326
06:49:06	356.04	4.60	484.98	112.33	73.26	70.04	1195.42	12.2669	13.0344	0.0000	5.6581	12.4941	249.0323	1.6326
06:49:07	356.04	4.61	484.98	152.63	83.03	71.01	1370.85	12.2669	13.0452	4.0709	5.6606	12.4998	249.1917	1.6337
06:49:08	356.17	4.64	484.98	194.14	95.24	70.52	1515.26	13.0634	13.8944	4.8625	5.6633	12.5059	249.3826	1.6351
06:49:09	356.04	4.66	579.24	394.38	150.18	69.79	1850.85	14.6565	15.5953	6.2194	5.6664	12.5127	249.6285	1.6368
06:49:10	356.17	4.68	579.24	786.32	250.31	71.01	1860.51	19.9138	21.1936	8.2549	5.6705	12.5219	249.9559	1.6391
06:49:11	356.17	4.68	579.24	1253.97	424.91	71.25	1879.32	25.3303	26.9694	9.7250	5.6758	12.5337	250.3443	1.6418
06:49:12	335.29	4.68	579.24	1847.37	700.85	70.04	1940.85	51.4572	54.7983	12.3258	5.6864	12.5622	250.8382	1.6452
06:49:13	335.41	4.68	579.24	2116.00	857.14	70.04	1820.34	102.5957	109.2911	15.4921	5.7078	12.6192	251.4621	1.6495
06:49:14	335.29	4.68	579.24	1744.81	746.03	71.25	1040.34	163.6115	174.2888	17.5275	5.7417	12.7100	252.1679	1.6544
06:49:15	335.41	4.68	579.73	1184.37	562.88	70.76	984.41	241.0361	256.7564	20.1284	5.7889	12.8437	252.9785	1.6600
06:49:16	335.41	4.65	579.73	788.77	410.26	70.52	958.98	276.0845	294.0906	21.0330	5.8429	12.9969	253.8256	1.6658
06:49:17	335.29	4.65	579.24	518.93	307.69	70.04	956.95	227.6541	242.5016	22.1639	5.8874	13.1233	254.7181	1.6720
06:49:18	335.41	4.63	579.24	318.68	213.68	70.04	955.42	154.5308	164.6093	21.3723	5.9176	13.2091	255.5788	1.6779
06:49:19	335.41	4.61	579.73	252.75	173.38	70.04	947.80	102.9143	109.5754	21.0330	5.9378	13.2662	256.4195	1.6838
06:49:20	335.41	4.56	479.12	200.24	131.87	71.01	934.07	67.7068	72.0891	20.9200	5.9510	13.3038	257.2557	1.6896
06:49:21	335.41	4.55	478.63	178.27	114.77	70.52	932.03	41.5799	44.2597	20.9200	5.9591	13.3268	258.0883	1.6954
06:49:22	299.63	4.50	479.12	156.29	98.90	70.04	930.00	32.9772	35.0935	20.6938	5.9656	13.3451	258.9085	1.7011
06:49:23	299.76	4.47	479.12	147.74	92.80	70.52	933.56	26.1269	27.7877	20.4676	5.9707	13.3571	259.7121	1.7068
06:49:24	299.63	4.45	479.12	141.64	89.13	70.52	936.61	23.2593	24.7340	20.3545	5.9752	13.3677	260.5092	1.7125
06:49:25	299.63	4.38	479.12	139.19	86.69	70.52	940.68	20.3917	21.6675	20.3545	5.9788	13.3771	261.2968	1.7181
06:49:26	299.63	4.36	479.12	139.19	86.69	70.52	943.22	19.2765	20.4762	20.3545	5.9821	13.3859	262.0803	1.7238
06:49:27	299.63	4.30	479.12	139.19	86.69	69.79	945.25	18.4800	19.6230	20.3545	5.9853	13.3943	262.8590	1.7294
06:49:28	299.51	4.27	479.12	139.19	86.69	70.52	948.31	18.1614	19.2677	20.4676	5.9885	13.4027	263.6303	1.7351
06:49:29	299.63	4.21	479.12	139.19	86.69	70.52	948.31	18.1614	19.2617	20.5807	5.9917	13.4110	264.4017	1.7408
06:49:30	299.63	4.17	378.51	139.19	86.69	70.76	945.76	18.1614	19.2468	20.5807	5.9948	13.4192	265.1628	1.7466
06:49:31	299.63	4.14	378.02	139.19	86.69	70.28	946.78	18.1614	19.2388	20.5807	5.9980	13.4275	265.9183	1.7523
06:49:32	347.62	4.13	378.02	137.97	87.91	69.79	946.78	18.1614	19.2239	20.6938	6.0011	13.4358	266.6676	1.7580

06:49:33	347.74	4.13	378.51	133.09	86.69	70.28	703.22	18.1614	19.2149	20.4676	6.0043	13.4424	267.4025	1.7637
06:49:34	347.74	4.12	378.02	123.32	84.25	71.01	718.47	18.1614	19.2070	20.5807	6.0074	13.4489	268.1359	1.7694
06:49:35	347.74	4.15	378.51	113.55	81.81	70.52	692.03	18.0020	19.0362	20.6938	6.0110	13.4554	268.8706	1.7752
06:49:36	347.74	4.16	378.51	106.23	79.37	71.01	678.31	17.3648	18.3624	15.0398	6.0145	13.4616	269.4045	1.7794
06:49:37	347.74	4.17	378.02	103.79	78.14	71.25	679.83	16.0903	17.0120	11.6473	6.0178	13.4674	269.8169	1.7826
06:49:38	347.74	4.24	378.02	102.56	78.14	70.04	666.61	14.8158	15.6710	7.8026	6.0208	13.4727	270.0952	1.7848
06:49:39	347.74	4.26	378.51	102.56	78.14	71.25	662.54	13.8600	14.6623	5.5410	6.0236	13.4777	270.2934	1.7863
06:49:40	347.74	4.30	488.89	102.56	78.14	70.04	660.51	13.5413	14.3282	3.1663	6.0263	13.4826	270.4071	1.7872
06:49:41	347.74	4.35	488.89	101.34	78.14	71.01	662.03	13.3820	14.1713	1.1308	6.0290	13.4874	270.4483	1.7875
06:49:42	355.56	4.40	488.89	100.12	76.92	71.01	663.05	13.3820	14.1757	0.1131	6.0317	13.4922	270.4524	1.7875
06:49:43	355.68	4.44	488.89	100.12	75.70	71.01	713.90	13.3820	14.1831	0.1131	6.0344	13.4985	270.4566	1.7876
06:49:44	355.68	4.48	488.89	101.34	76.92	71.25	966.61	13.2227	14.0237	0.0000	6.0371	13.5046	270.4566	1.7876
06:49:45	355.56	4.51	488.89	106.23	79.37	70.04	1081.53	13.0634	13.8635	0.0000	6.0398	13.5107	270.4566	1.7876
06:49:46	355.68	4.54	488.89	140.42	86.69	71.01	1227.97	13.0634	13.8707	0.4523	6.0425	13.5168	270.4739	1.7877
06:49:47	355.68	4.56	488.89	175.82	91.58	70.04	1340.34	13.2227	14.0486	3.8447	6.0452	13.5230	270.6221	1.7888
06:49:48	355.68	4.58	489.38	227.11	102.56	71.01	1468.48	13.8600	14.7317	4.6363	6.0481	13.5295	270.8021	1.7900
06:49:49	355.68	4.60	488.89	420.02	144.08	70.04	1753.73	18.3207	19.4800	6.5587	6.0518	13.5380	271.0583	1.7919
06:49:50	355.68	4.60	599.27	748.47	206.35	71.01	1856.95	22.9406	24.3999	8.0287	6.0566	13.5488	271.3736	1.7941
06:49:51	355.68	4.62	598.78	1210.01	352.87	71.01	1882.37	29.6317	31.5214	9.3857	6.0627	13.5626	271.7430	1.7967
06:49:52	325.76	4.62	598.78	1851.04	659.34	71.01	1924.07	54.8027	58.3188	11.9866	6.0741	13.5883	272.2177	1.8000
06:49:53	325.76	4.62	598.78	2124.54	840.05	69.79	1905.26	97.6571	103.9227	14.2482	6.0943	13.6443	272.7819	1.8040
06:49:54	325.76	4.62	599.27	2197.80	925.52	71.01	1181.19	157.8763	168.0315	16.8491	6.1271	13.7348	273.4508	1.8087
06:49:55	325.76	4.62	598.78	1595.85	717.95	69.79	953.39	241.5141	257.0351	19.5630	6.1729	13.8732	274.2275	1.8141
06:49:56	325.89	4.60	598.78	825.40	428.57	69.55	958.47	277.1996	295.0140	21.5984	6.2255	14.0321	275.0849	1.8201
06:49:57	325.89	4.60	598.78	825.40	428.57	70.04	958.47	286.7582	305.1869	22.5031	6.2799	14.1965	275.9783	1.8263
06:49:58	325.89	4.58	598.78	322.34	213.68	70.76	944.24	208.2183	221.5995	21.0330	6.3195	14.3159	276.8133	1.8322
06:49:59	325.89	4.57	598.78	250.31	169.72	70.76	945.25	107.6936	114.5910	20.9200	6.3399	14.3776	277.6411	1.8380
06:50:00	325.76	4.57	501.59	207.57	139.19	70.28	945.25	107.6936	114.5910	20.9200	6.3604	14.4393	278.4688	1.8438
06:50:01	325.76	4.53	501.59	173.38	112.33	70.76	946.27	42.0579	44.7399	20.5807	6.3683	14.4634	279.2796	1.8495
06:50:02	284.86	4.51	501.59	158.73	102.56	69.55	946.27	32.6586	34.7359	20.4676	6.3745	14.4821	280.0839	1.8552
06:50:03	284.86	4.45	501.59	150.18	95.24	70.76	946.27	27.0827	28.8053	20.5807	6.3797	14.4951	280.8927	1.8609
06:50:04	284.86	4.44	501.59	145.30	92.80	70.76	947.29	22.6220	24.0472	20.6938	6.3840	14.5059	281.6983	1.8667
06:50:05	284.74	4.41	501.59	142.86	90.35	70.76	947.29	20.7103	22.0089	20.5807	6.3874	14.5159	282.4967	1.8724
06:50:06	284.86	4.35	501.59	140.42	89.13	69.55	945.76	19.5951	20.8076	20.6938	6.3906	14.5252	283.2890	1.8781
06:50:07	284.74	4.32	501.59	139.19	89.13	70.76	945.76	18.9579	20.1268	20.5807	6.3938	14.5343	284.0743	1.8839
06:50:08	284.74	4.28	501.59	139.19	89.13	70.76	944.75	18.6393	19.7814	20.5807	6.3969	14.5432	284.8547	1.8896
06:50:09	284.86	4.24	402.44	140.42	90.35	70.76	944.75	18.3207	19.4292	20.5807	6.3999	14.5520	285.6255	1.8953
06:50:10	284.74	4.22	402.44	146.52	94.02	69.79	945.76	18.1614	19.2522	20.5807	6.4029	14.5607	286.3907	1.9010
06:50:11	284.86	4.17	402.44	151.40	96.46	70.28	945.76	18.1614	19.2413	20.6938	6.4059	14.5694	287.1525	1.9068
06:50:12	341.15	4.17	402.93	151.40	94.02	70.28	921.36	18.3207	19.3990	20.5807	6.4089	14.5764	287.9025	1.9125
06:50:13	341.15	4.17	402.93	151.40	94.02	70.28	921.36	19.1172	20.2372	20.6938	6.4121	14.5837	288.6531	1.9182
06:50:14	341.27	4.17	402.93	130.65	85.47	70.28	724.07	19.7544	20.8999	20.6938	6.4153	14.5913	289.3961	1.9240
06:50:15	341.27	4.20	402.44	113.55	76.92	70.04	700.68	19.7544	20.9020	20.0153	6.4192	14.5989	290.1148	1.9295
06:50:16	341.27	4.20	402.93	107.45	74.48	69.79	688.98	19.7544	20.9020	20.0153	6.4231	14.6064	290.8334	1.9351
06:50:17	341.15	4.26	402.93	102.56	70.82	69.79	683.90	17.0462	18.0364	12.0997	6.4265	14.6130	291.2679	1.9385
06:50:18	341.27	4.28	402.44	100.12	69.60	70.28	673.22	14.8158	15.6822	8.3680	6.4294	14.6186	291.5703	1.9408
06:50:19	341.15	4.31	402.44	98.90	70.82	70.52	670.17	14.0193	14.8391	6.2194	6.4322	14.6240	291.7951	1.9425
06:50:20	341.27	4.37	499.63	98.90	69.60	69.79	667.63	13.3820	14.1756	3.0532	6.4349	14.6292	291.9070	1.9434
06:50:21	341.27	4.40	499.15	98.90	68.38	71.01	666.10	13.0634	13.8409	1.8093	6.4375	14.6342	291.9735	1.9439
06:50:22	365.08	4.46	499.15	97.68	67.16	69.79	668.64	12.9041	13.6792	0.6785	6.4400	14.6391	291.9987	1.9440
06:50:23	365.08	4.50	499.15	97.68	65.93	70.04	667.12	12.9041	13.6891	0.0000	6.4426	14.6453	291.9987	1.9440

09-MAY-93 06:58 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number: 1050
Test options: Raw Modal Diesel Auxiliary data Second by Second Data Smoke meter

Rhc =
Ywi =

TEST TIME (S)	RAW CONCENTRATIONS HC (ppm)	CO (ppm)	NOx (ppm)	CO2 (%)	O2 (%)	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 TP	33.1	85.5	130.6	1.73	18.33	0.004	0.019	0.05	6.06	6.77	21.48	131.5	0	0	0	2.16	2.29	189	0	0	0
1 TP	33	86.9	131.2	1.78	18.33	0.004	0.019	0.05	6.2	6.71	22.23	127.57	0	0	0	2.21	2.31	189	0	0	0
2 TP	33	83.5	131.6	1.83	18.33	0.004	0.018	0.05	6.29	6.65	22.87	124.99	0	0	0	2.24	2.22	189	0	0	0
3 TP	33	85.8	131.2	1.85	18.33	0.004	0.019	0.05	6.36	6.62	23.23	123.27	0	0	0	2.26	2.21	189	0	0	0
4 TP	33	86.5	131.2	1.87	18.32	0.004	0.019	0.05	6.4	6.59	23.61	121.98	0	0	0	2.28	2.17	189	0	0	0
5 TP	32.9	85.1	131	1.89	18.33	0.004	0.018	0.05	6.43	6.57	23.85	121.16	0	0	0	2.29	2.2	189	0	0	0
6 TP	32.9	84	130.8	1.9	18.32	0.004	0.018	0.05	6.45	6.56	24.06	120.54	0	0	0	2.3	2.22	189.1	0	0	0
7 TP	32.9	81.1	130.6	1.91	18.32	0.004	0.018	0.05	6.47	6.55	24.14	120.19	0	0	0	2.3	2.23	189.2	0	0	0
8 TP	32.9	84.3	130.6	1.91	18.32	0.004	0.018	0.05	6.48	6.54	24.2	119.9	0	0	0	2.31	2.13	189.2	0	0	0
9 TP	32.9	83.8	130.5	1.91	18.32	0.004	0.018	0.05	6.5	6.55	24.18	119.68	0	0	0	2.31	2.11	189.2	0	0	0
10 TP	32.9	87.3	130.5	1.92	18.32	0.004	0.019	0.05	6.51	6.55	24.17	119.48	0	0	0	2.31	2.14	189.1	0	0	0
11 TP	32.9	86.3	130.8	1.92	18.32	0.004	0.019	0.05	6.51	6.54	24.31	119.32	0	0	0	2.31	2.14	189	0	0	0
12 TP	32.9	85.3	130.5	1.92	18.32	0.004	0.018	0.05	6.51	6.53	24.36	119.25	0	0	0	2.32	2.19	189	0	0	0
13 TP	32.9	83.9	130.3	1.92	18.32	0.004	0.018	0.05	6.51	6.53	24.37	119.19	0	0	0	2.32	2.18	189	0	0	0
14 TP	33	86.1	130.5	1.92	18.33	0.004	0.019	0.05	6.51	6.53	24.37	119.19	0	0	0	2.32	2.17	189	0	0	0
15 TP	33	89.4	130.4	1.92	18.32	0.004	0.019	0.05	6.51	6.53	24.37	119.15	0	0	0	2.32	2.2	189	0	0	0
16 TP	33	89.2	130.3	1.93	18.33	0.004	0.019	0.05	6.52	6.53	24.36	119.13	0	0	0	2.32	2.18	189	0	0	0
17 TP	33	86.1	130.3	1.93	18.33	0.004	0.019	0.05	6.52	6.53	24.35	119.11	0	0	0	2.32	2.23	189	0	0	0
18 TP	33	88.1	129.8	1.93	18.33	0.004	0.019	0.05	6.53	6.54	24.3	119.09	0	0	0	2.32	2.21	189	0	0	0
20 TP	33	88.3	129.7	1.93	18.33	0.004	0.019	0.05	6.53	6.54	24.28	119.09	0	0	0	2.32	2.18	189	0	0	0
20 TP	33	86.1	130	1.93	18.33	0.004	0.019	0.05	6.53	6.54	24.29	119.04	0	0	0	2.32	2.2	189	0	0	0
21 TP	33	88.1	130.4	1.93	18.32	0.004	0.019	0.05	6.53	6.54	24.3	118.94	0	0	0	2.32	2.15	189.1	0	0	0
23 TP	33	87.7	130.3	1.93	18.33	0.004	0.019	0.05	6.53	6.53	24.35	118.95	0	0	0	2.32	2.16	189.1	0	0	0
23 TP	33	67.7	130.2	1.93	18.32	0.004	0.015	0.05	6.52	6.53	24.43	119.05	0	0	0	2.32	2.26	189.1	0	0	0
24 TP	33	81.5	130.5	1.93	18.32	0.004	0.018	0.05	6.52	6.53	24.4	118.95	0	0	0	2.32	2.13	189.1	0	0	0
25 TP	33	80.6	130.4	1.93	18.32	0.004	0.017	0.05	6.52	6.53	24.41	119	2.8	0	0	2.32	2.07	189.1	0	0	0
27 TP	33	79.5	130.4	1.93	18.32	0.004	0.017	0.05	6.52	6.53	24.43	118.99	1.1	0	0	2.32	2.1	189.1	0	0	0
27 TP	33	80.9	130.5	1.93	18.32	0.004	0.017	0.05	6.52	6.53	24.43	118.97	0.9	0	0	2.32	2.2	189	0	0	0
28 TP	33	81	130.5	1.93	18.32	0.004	0.017	0.05	6.53	6.53	24.39	118.91	1	0	0	2.32	2.13	189	0	0	0
30 TP	33	81.8	130.3	1.93	18.32	0.004	0.018	0.05	6.54	6.54	24.33	118.84	1.1	0	0	2.32	2.14	189	0	0	0
30 TP	32.9	83.2	130.9	1.93	18.32	0.004	0.018	0.05	6.54	6.53	24.35	118.83	0.9	0	0	2.32	2.21	189	0	0	0
32 TP	32.9	82.2	131.3	1.93	18.32	0.004	0.018	0.05	6.53	6.53	24.41	118.81	1.1	0	0	2.32	2.23	189	0	0	0
32 TP	32.9	82.6	131.7	1.93	18.32	0.004	0.018	0.05	6.53	6.52	24.48	118.72	0.9	0	0	2.32	2.16	188.9	0	0	0
33 TP	32.8	84	131.9	1.93	18.32	0.004	0.018	0.05	6.54	6.53	24.42	118.64	1	0	0	2.33	2.19	189	0	0	0
34 TP	32.9	86.4	131.8	1.93	18.32	0.004	0.019	0.05	6.55	6.54	24.33	118.61	1	0	0	2.33	2.19	189	0	0	0
35 TP	32.8	88.2	131.6	1.93	18.32	0.004	0.019	0.05	6.56	6.54	24.23	118.57	1	0	0	2.33	2.17	189	0	0	0
36 TP	32.9	89	131.1	1.93	18.32	0.004	0.019	0.05	6.57	6.55	24.14	118.57	1	0	0	2.34	2.24	189	0	0	0
38 TP	32.8	88.8	131.1	1.93	18.32	0.004	0.019	0.05	6.56	6.55	24.14	118.55	1.1	0	0	2.34	2.12	189	0	0	0
38 TP	32.9	88.7	131.4	1.94	18.31	0.004	0.019	0.05	6.57	6.55	24.18	118.44	0.9	0	0	2.34	2.21	189	0	0	0
39 TF'	32.8	88.1	132.1	1.94	18.31	0.004	0.019	0.05	6.57	6.55	24.19	118.42	1	0	0	2.34	2.31	189	0	0	0
40 TP	32.8	87.3	132.6	1.94	18.31	0.004	0.019	0.05	6.56	6.54	24.24	118.39	1	0	0	2.34	2.31	189	0	0	0
42 TP	32.8	84.8	133.1	1.94	18.31	0.004	0.018	0.05	6.56	6.54	24.29	118.41	1.1	0	0	2.33	2.21	188.9	0	0	0
42 TP	32.8	81.4	133.2	1.94	18.31	0.004	0.018	0.05	6.56	6.54	24.31	118.34	0.9	0	0	2.33	2.22	188.9	0	0	0
43 TP	32.8	81.7	133.1	1.94	18.31	0.004	0.018	0.05	6.57	6.54	24.31	118.32	1	0	0	2.33	2.29	188.9	0	0	0
44 TP	32.8	83.8	133	1.94	18.31	0.004	0.018	0.05	6.57	6.54	24.31	118.35	1.1	0	0	2.34	2.29	189	0	0	0
45 TP	32.8	86.5	133.1	1.94	18.32	0.004	0.019	0.05	6.56	6.53	24.38	118.34	0.9	0	0	2.33	2.14	189	0	0	0
46 TP	32.8	85.8	132.2	1.94	18.31	0.004	0.018	0.05	6.56	6.53	24.41	118.33	1	0	0	2.33	2.14	189	0	0	0
47 TP	32.9	84.2	132.3	1.94	18.31	0.004	0.018	0.05	6.56	6.53	24.43	118.34	1	0	0	2.33	2.2	189	0	0	0
48 TP	32.8	84.1	132.7	1.94	18.32	0.004	0.018	0.05	6.56	6.53	24.43	118.36	1	0	0	2.33	2.18	189	0	0	0
49 TP	32.8	82.6	132.8	1.94	18.32	0.003	0.018	0.05	6.55	6.53	24.42	118.43	1	0	0	2.33	2.24	189	0	0	0
50 TP	32.8	80.6	132.5	1.94	18.32	0.003	0.017	0.05	6.55	6.53	24.41	118.51	1	0	0	2.33	2.28	189	0	0	0
52 TP	32.7	81.91	31.8	1.941	8.32	0.003	0.018	0.05	6.56	6.53	24.36	118.5	0.7	0	0	2.33	2.33	189	0	0	0
52 TP	32.8	81.1	131.7	1.94	18.32	0.003	0.017	0.05	6.56	6.54	24.29	118.51	0	0	0	2.33	2.42	188.9	0	0	0
53 TP	32.8	78.3	131.9	1.94	18.32	0.004	0.017	0.05	6.56	6.54	24.29	118.51	0	0	0	2.33	2.35	188.9	0	0	0
55 TP	32.8	79.5	132	1.94	18.32	0.004	0.017	0.05	6.56	6.53	24.33	118.52	0	0	0	2.33	2.29	188.8	0	0	0
56 TP	32.8	79.61	31.6	1.94	18.32	0.003	0.017	0.05	6.55	6.53	24.41	118.5	0	0	0	2.33	2.26	188.8	0	0	0
57 TP	32.8	77	131.4	1.94	18.31	0.003	0.017	0.05	6.59	6.53	24.41	118.46	0	0	0	2.33	2.25	188.9	0	0	0
57 TP	32.7	78.31	31.7	1.941	8.31	0.003	0.017	0.05	6.55	6.93	24.41	118.43	0	0	0	2.33	2.21	189	0	0	0
58 TP	32.7	81.7	131.9	1.94	18.31	0.003	0.018	0.09	6.99	6.93	24.42	118.38	0	0	0	2.33	2.23	189	0	0	0
59 TP	32.7	83.8	131.7	1.94	18.31	0.003	0.018	0.09	6.99	6.92	24.91	118.3	0	0	0	2.33	2.24	189	0	0	0
60 TP	32.7	85.9	131.9	1.94	18.31	0.003	0.018	0.09	6.99	6.52	24.96	118.29	0	0	0	2.33	2.26	189.1	0	0	0

61 TP	32.7	87.9	131.9	1.94	18.31	0.003	0.019	0.05	6.59	6.92	24.96	118.26	0	0	0	2.33	2.28	189.2	0	0	0
62 TP	32.6	87.1	131.9	1.94	18.31	0.003	0.019	0.09	6.56	6.92	24.48	118.19	0	0	0	2.33	2.32	189.2	0	0	0
63 TP	32.6	87.8	132.4	1.94	18.31	0.003	0.019	0.09	6.96	6.92	24.47	118.12	0	0	0	2.33	2.27	189.1	0	0	0
65 TP	32.6	88	132.6	1.94	18.31	0.003	0.019	0.09	6.97	6.92	24.49	118.06	0	0	0	2.34	2.28	189.1	0	0	0
66 TP	32.9	90.3	133.3	1.94	18.31	0.003	0.019	0.09	6.97	6.92	24.91	117.93	2.9	0	0	2.34	2.28	189	0	0	0
66 TP	32.9	87.9	133.9	1.94	18.31	0.003	0.019	0.09	6.98	6.93	24.44	117.99	0.9	0	0	2.34	2.37	189	0	0	0
68 TP	32.9	86.4	133.3	1.94	18.31	0.003	0.019	0.09	6.98	6.93	24.39	117.96	1.1	0	0	2.34	2.37	189	0	0	0
69 TP	32.5	89.8	133	1.99	18.3	0.003	0.019	0.09	6.98	6.53	24.4	117.89	1	0	0	2.34	2.3	188.9	0	0	0
70 TP	32.9	90.9	132.8	1.99	18.3	0.003	0.019	0.09	6.99	6.93	24.42	117.81	1	0	0	2.34	2.3	188.9	0	0	0
70 TP	32.9	86.2	133.3	1.95	18.3	0.003	0.019	0.09	6.99	6.93	24.42	117.79	0.9	0	0	2.34	2.31	188.9	0	0	0
71 TP	32.9	87.2	133.9	1.99	18.29	0.003	0.019	0.09	6.98	6.52	24.92	117.75	1	0	0	0.01	2.36	188.9	0	0	0
73 TP	32.9	90	133.2	1.95	18.3	0.003	0.019	0.09	6.98	6.91	24.64	117.67	1.1	0	0	2.34	2.4	188.9	0	0	0
73 TP	32.9	93.9	133.1	1.99	18.3	0.003	0.02	0.09	6.58	6.51	24.62	117.69	0.9	0	0	0.01	2.63	188.9	0	0	0
74 TP	32.9	117.1	133.4	1.99	18.29	0.004	0.026	0.09	6.72	6.65	22.86	117.47	1	0	1.7	0.66	3.81	188.9	0	0	0
79 TP	32.9	216.3	133.7	1.99	18.29	0.004	0.051	0.09	7.2	7.12	18.48	116.77	1	0.001	3.6	1.36	9.21	188.9	0	0	0
77 TP	32.9	420.3	133.9	1.99	18.29	0.004	0.113	0.06	8.24	8.14	13.03	115.2	1.1	0.002	5.3	1.99	14.06	189	0	0	0
77 TP	32.9	694.8	133.9	1.99	18.07	0.009	0.229	0.07	10.1	9.8	8.73	110.73	0.9	0.002	7	1.7	20.56	189	0	0	0
78 TP	32.5	921	134.7	2.13	17.72	0.006	0.348	0.08	12.66	11.47	6.92	101.48	1	0.002	8.7	1.84	20.18	189	0	0	0
79 TP	32.9	978.3	190.1	2.38	17.1	0.007	0.401	0.1	15.36	12.44	9.67	89.33	1	0.003	9.7	1.72	17.92	188.9	0	0	0
80 TP	32.9	901.6	190.5	2.81	16.19	0.006	0.39	0.12	17.17	11.77	6.24	74.47	1	0.002	8	1.29	11.51	188.8	0	0	0
82 TP	32.5	782.4	196	3.44	15.17	0.009	0.258	0.11	17.82	10	8.38	60.34	1.1	0.003	8.9	1.49	5	188.7	0	0	0
82 TP	32.9	677.8	196	17.82	14.24	0.003	0.129	0.06	51.87	9.62	49.74	20.76	0.9	0.002	9.3	0.46	3.57	188.6	0	0	0
83 TP	32.9	596.7	195.9	14.06	13.84	0.003	0.114	0.06	42.39	5.81	40.94	22.84	1	0.003	9.9	0.66	4.28	188.7	0	0	0
89 TP	32.9	530.2	195.6	10.91	14.18	0.003	0.108	0.07	34.94	6.18	30.53	26.38	1.1	0.003	10.9	0.93	4.8	188.8	0	0	0
85 TP	32.9	466.4	199.9	8.42	14.61	0.004	0.103	0.07	29.17	6.69	22.98	31.27	0.9	0.003	10.4	0.9	4.38	188.8	0	0	0
86 TP	32.9	407.6	195.9	6.81	14.71	0.004	0.099	0.08	29.01	7.09	18.98	36.06	1	0.003	9.9	1.11	2.9	189	0	0	0
88 TP	32.9	396.6	195.5	6.01	14.58	0.004	0.084	0.08	22.4	7.19	17.83	39.03	1.1	0.003	9.9	1.37	2.19	189	0	0	0
89 TP	32.4	317	199.3	9.64	14.46	0.004	0.074	0.08	20.84	7.13	18.29	40.6	1	0.003	10	1.35	2.01	189.1	0	0	0
89 TP	32.3	280.41	99.3	9.401	4.99	0.004	0.065	0.07	19.81	7.09	18.61	42.23	0.4	0.002	10	1.28	2.05	189.2	0	0	0
90 TP	32.3	248.7	199.3	9.04	14.94	0.004	0.099	0.08	18.67	7.19	18.11	49.18	0	0.003	10	1.91	2.01	189.2	0	0	0
91 TP	32.3	223.9	199.3	4.61	19.26	0.004	0.054	0.08	17.49	7.3	17.03	49.06	0	0.003	10	1.62	1.98	189.2	0	0	0
92 TP	32.3	204.9	199.3	4.28	19.48	0.004	0.09	0.08	16.95	7.46	16.07	92.93	0	0.003	10.1	1.71	2.04	189.2	0	0	0
93 TP	32.3	191	195.3	4.06	19.64	0.004	0.048	0.08	19.96	7.98	19.38	99.14	0	0.003	10.1	1.78	1.99	189.2	0	0	0
95 TP	32.2	181.3	199.3	3.92	19.79	0.004	0.046	0.08	19.98	7.68	14.86	57.13	0	0.003	10.1	2.01	2.02	189.3	0	0	0
95 TP	32.3	173.1	199.3	3.81	19.84	0.004	0.044	0.08	19.31	7.76	14.47	98.69	2.7	0.003	10.2	1.68	2.07	189.3	0	0	0
96 TP	32.3	167.6	195.9	3.73	19.9	0.004	0.043	0.08	15.1	7.81	14.22	59.82	1	0.003	10.2	1.89	2.08	189.3	0	0	0
98 TP	32.3	156.4	199.5	3.68	15.94	0.004	0.04	0.08	14.92	7.83	14.12	60.7	1.1	0.003	10	2.08	2	189.3	0	0	0
98 TP	32.2	146.6	199.6	3.63	15.99	0.004	0.038	0.08	14.69	7.8	14.24	61.43	0.9	0.002	9.9	1.71	2	189.4	0	0	0
99 TP	32.2	138.6	199.7	2.29	16.03	0.009	0.047	0.11	12.12	10.4	10.48	91.97	1	0.003	10	2.32	1.94	189.4	0	0	0
100 TP	32.2	139.9	199.8	1.49	16.07	0.006	0.099	0.13	9.24	12.32	5.89	136.17	1	0.003	10.1	3.09	1.96	189.5	0	0	0
101 TP	32.2	126.9	199.8	2.01	16.16	0.009	0.042	0.11	10.99	10.19	8.1	102.14	1	0.003	10.2	2.69	1.96	189.9	0	0	0
103 TP	32.3	121.5	195.9	2.39	16.26	0.009	0.037	0.1	11.93	9.32	9.55	88.51	0.3	0.003	10.2	2.73	1.99	189.6	0	0	0
103 TP	32.3	120.9	196	2.64	16.31	0.009	0.035	0.09	12.14	8.89	10.94	81.97	0	0.003	10.1	2.11	1.93	189.6	0	0	0
104 TP	32.2	120.4	196	2.82	16.33	0.005	0.034	0.09	12.96	8.98	11.37	76.98	0	0.003	10.2	2.28	1.91	189.7	0	0	0
105 TP	32.2	116.6	195.9	2.98	16.33	0.004	0.032	0.09	12.87	8.39	12.11	73.69	0	0.003	10.2	2.22	1.96	189.8	0	0	0
106 TP	32.2	113	195.8	3.08	16.39	0.004	0.03	0.09	13.06	8.18	12.71	71.67	0	0.003	10.1	2.18	1.93	189.9	0	0	0
107 TP	32.2	111.2	195.8	3.14	16.4	0.004	0.03	0.09	13.13	8.06	13.14	70.66	0	0.003	10	2.19	1.94	189.9	0	0	0
108 TP	32.2	106.9	195.6	3.17	16.44	0.004	0.028	0.08	13.08	7.97	13.9	70.43	0	0.003	10	2.15	1.86	190	0	0	0
110 TP	32.2	102.9	199.9	3.17	16.48	0.004	0.027	0.08	12.99	7.91	13.79	70.47	2	0.003	10	2.38	1.89	190	0	0	0
111 TP	32.2	99.2	199.9	3.17	16.94	0.004	0.026	0.08	12.91	7.87	13.99	70.81	1	0.003	10	2.17	1.92	190	0	0	0
111 TP	32.2	98.4	199.6	3.14	16.61	0.004	0.026	0.08	12.81	7.87	13.99	71.91	0.9	0.002	9.9	1.96	1.99	190.1	0	0	0
112 TP	32.2	99.1	199.9	3.11	16.68	0.004	0.026	0.08	12.7	7.89	13.89	72.43	1	0.003	9.9	2.2	1.99	190.1	0	0	0
113 TP	32.2	94.9	194.6	3.07	16.72	0.004	0.029	0.08	12.61	7.92	13.73	73.26	1	0.003	9.9	2.22	1.91	190.2	0	0	0
114 TP	32.2	92.8	189.5	3.09	16.79	0.004	0.024	0.08	12.97	7.96	13.96	73.84	1	0.003	10	2.23	1.94	190.3	0	0	0
119 TP	32.2	96.8	186.7	3.03	16.77	0.004	0.026	0.08	12.59	8.01	13.35	74.22	1	0.003	10	2.24	1.99	190.3	0	0	0
117 TP	32.2	97.3	187.1	3.02	16.78	0.004	0.026	0.08	12.64	8.06	13.14	74.49	1.1	0.003	10	2.46	1.96	190.4	0	0	0
117 TP	32.2	99.9	188.2	3.02	16.78	0.004	0.026	0.08	12.68	8.1	12.99	74.49	0.9	0.003	10.1	2.01	1.99	190.4	0	0	0
118 TP	32.2	95.3	189.6	3.03	16.76	0.004	0.029	0.08	12.74	8.11	12.94	74.24	1	0.003	10	2.22	1.97	190.9	0	0	0
120 TP	32.2	96.4	192.1	3.05	16.73	0.004	0.026	0.08	12.79	8.1	12.98	73.81	1.1	0.003	10	2.43	2.01	190.9	0	0	0
120 TP	32.2	95.2	195.2	3.06	16.71	0.004	0.025	0.09	12.83	8.08	13.06	73.42	0.9	0.003	10	1.98	1.94	190.9	0	0	0
121 TP	32.2	94.5	199.6	3.08	16.71	0.004	0.029	0.09	12.84	8.09	13.17	73.12	1	0.003	10	2.2	1.95	190.6	0	0	0
123 TP	32.1	96.6	199.7	3.08	16.71	0.004	0.026	0.09	12.84	8.04	13.24	72.99	1.1	0.003	10.1	2.43	1.98	190.6	0	0	0
123 TP	32.1	79.4	199.8	3.08	16.71	0.004	0.02	0.09	12.83	8.03	13.26	73.08	0.9	0.003	10.1	1.99	2	190.7	0	0	0
124 TP	32	93.4	196	3.08	16.72	0.004	0.029	0.09	12.81	8.03	13.29	73.16	1	0.003	10.1	2.22	1.99	190.8	0	0	0
129 TP	32	91.4	196	3.07	16.72	0.004	0.024	0.09	12.8	8.04	13.21	73.29	1	0.003	10.1	2.22	1.93	190.8	0	0	0
127 TP	32	94.3	196.1	3.07	16.72	0.004	0.029	0.09	12.81	8.09	13.18	73.28	1.1	0.003	10.1	2.44	1.92	190.9	0	0	0
127 TP	32	93.5	196.2	3.07	16.72	0.004	0.029	0.09	12.82	8.09	13.19	73.23	0.9	0.003	10.1	2	1.97	191	0	0	0
128 TP	32	91.6	196	3.08	16.71	0.004	0.024	0.09	12.83	8.05	13.19	73.16	1	0.003	10.1	2.22	1.94	191	0	0	0
129 TP	32	97.1	196	3.08	16.71	0.004	0.026	0.09	12.84	8.05	13.18	73.07	0.9	0.003	10.1	2.22	1.84	191	0	0	0
130 TP	32	98	196	3.08	16.71	0.004	0.026	0.09	12.86	8.06	13.16	73.03	0	0.003	10.2	2.22	1.91	191.1	0	0	0
131 TP	32	97.9	199.8	3.08	16.71	0.004	0.026	0.09	12.87	8.06	13.14	73.03	0	0.003	10.2	2.22	1.99	191.2	0	0	0
133 TP	32	94.9	199.7	3.08	16.71	0.004	0.029	0.09	12.87	8.06	13.12	73.09	0	0.003	10.1	2.44	1.93	191.2	0	0	0

133 TP	32	97.3	195.6	3.08	16.71	0.004	0.026	0.09	12.87	8.07	13.12	73.07	0	0.003	10.1	2	1.92	191.2	0	0	0
134 TP	32	94.8	199.6	3.08	16.71	0.004	0.029	0.09	12.88	8.07	13.12	73.03	0	0.003	10.2	2.22	1.93	191.3	0	0	0
135 TP	32.1	95.7	195.5	3.08	16.71	0.004	0.029	0.09	12.89	8.07	13.1	73	2.7	0.003	10.2	2.22	1.94	191.4	0	0	0
136 TP	32.1	98.1	195.9	3.08	16.71	0.004	0.026	0.09	12.89	8.07	13.08	73.03	1	0.003	10.2	2.22	1.92	191.4	0	0	0
137 TP	32.1	99.1	199.5	3.08	16.72	0.004	0.026	0.09	12.88	8.07	13.09	73.1	1	0.003	10.2	2.22	1.92	191.4	0	0	0
139 TP	32.1	98	199.5	3.08	16.71	0.004	0.026	0.09	12.87	8.07	13.11	73.09	1.1	0.003	10.2	2.49	1.93	191.9	0	0	0
139 TP	32.1	95.1	199.5	3.08	16.71	0.004	0.025	0.09	12.88	8.07	13.1	73.09	0.9	0.003	10.2	2	1.91	191.9	0	0	0
141 TP	32.1	94.4	195.5	3.08	16.72	0.004	0.025	0.09	12.89	8.08	13.07	73.12	1.1	0.003	10.2	2.49	1.91	191.9	0	0	0
141 TP	32.1	94.2	195.9	3.08	16.72	0.004	0.025	0.09	12.87	8.07	13.1	73.14	0.9	0.003	10.2	2	1.96	191.6	0	0	0
143 TP	32.1	99.3	199.9	3.07	16.72	0.004	0.029	0.09	12.89	8.06	13.12	73.21	0.3	0.003	10.2	2.49	1.99	191.7	0	0	0
143 TP	32.1	99.7	199.6	3.07	16.72	0.004	0.029	0.09	12.89	8.07	13.12	73.21	0	0.003	10.2	2	2.01	191.7	0	0	0
149 TP	32.1	99.1	199.9	3.07	16.73	0.004	0.029	0.09	12.85	8.07	13.12	73.24	0	0.003	10.2	2.49	1.94	191.8	0	0	0
145 TP	32.1	89.3	199.9	3.07	16.73	0.004	0.024	0.09	12.84	8.06	13.12	73.29	0	0.003	10.2	2	1.93	191.9	0	0	0
146 TP	32.1	87.7	199.6	3.07	16.73	0.004	0.023	0.09	12.83	8.06	13.19	73.33	0	0.003	10.1	2.22	1.88	191.9	0	0	0
148 TP	32.1	89.7	199.6	3.07	16.73	0.004	0.024	0.09	12.81	8.05	13.19	73.34	0	0.003	10.1	2.49	1.99	192	0	0	0
149 TP	32	92	199.6	3.07	16.74	0.004	0.024	0.09	12.79	8.04	13.2	73.4	0	0.003	10.1	2.23	1.9	192.1	0	0	0
149 TP	32	93.4	199.6	3.06	16.74	0.004	0.029	0.09	12.78	8.05	13.19	73.52	0	0.003	10.1	2.01	1.93	192.1	0	0	0
191 TP	32	93.9	195.6	3.06	16.76	0.004	0.029	0.09	12.76	8.09	13.17	73.68	2.9	0.003	10.2	2.46	1.99	192.1	0	0	0
151 TP	32	93.9	199.6	3.09	16.76	0.004	0.029	0.09	12.79	8.06	13.14	73.79	0.9	0.003	10.1	2.02	1.93	192.2	0	0	0
152 TP	31.9	93.6	199.6	3.05	16.76	0.004	0.029	0.09	12.74	8.06	13.13	73.87	1	0.003	10.1	2.24	1.93	192.2	0	0	0
193 TP	31.9	92.6	199.6	3.05	16.77	0.004	0.029	0.09	12.73	8.06	13.14	73.96	1	0.003	10.2	2.24	1.92	192.3	0	0	0
195 TP	31.9	99.7	199.6	3.09	16.77	0.004	0.029	0.09	12.71	8.09	13.17	73.94	1.1	0.003	10.1	2.46	1.9	192.3	0	0	0
199 TP	31.9	97.3	199.6	3.09	16.77	0.004	0.026	0.09	12.7	8.05	13.19	73.99	0.9	0.003	10.1	2.02	1.81	192.4	0	0	0
196 TP	31.9	99.3	199.8	3.04	16.77	0.004	0.029	0.09	12.69	8.04	13.2	73.99	1	0.003	10.1	2.24	1.9	192.4	0	0	0
157 TP	31.9	91.8	199.9	3.04	16.77	0.004	0.024	0.09	12.7	8.05	13.17	74.01	1	0.003	10.1	2.24	1.93	192.4	0	0	0
198 TP	31.9	92.7	196	3.04	16.77	0.004	0.025	0.09	12.71	8.06	13.19	74.04	1	0.003	10.1	2.24	1.99	192.5	0	0	0
199 TP	31.9	97	196.4	3.04	16.77	0.004	0.026	0.09	12.71	8.07	13.12	74.08	1	0.003	10.1	2.24	1.94	192.9	0	0	0
161 TP	32	97.5	196.4	3.04	16.77	0.004	0.026	0.09	12.7	8.07	13.1	74.13	1.1	0.003	10.1	2.47	1.97	192.6	0	0	0
161 TP	32	97.3	196.5	3.04	16.77	0.004	0.026	0.09	12.71	8.07	13.12	74.07	0.9	0.003	10.1	2.01	1.93	192.6	0	0	0
163 TP	32	106	196.6	3.04	16.76	0.004	0.028	0.09	12.72	8.06	13.13	73.96	1.1	0.003	10.1	2.46	1.94	192.7	0	0	0
164 TP	32	170	196.8	3.05	16.76	0.004	0.049	0.09	12.77	8.09	13.03	73.73	1	0.003	10.2	2.24	1.91	192.8	0	0	0
164 TP	32	343.7	196.7	3.09	16.76	0.004	0.099	0.09	13.27	8.4	11.96	73.24	0.9	0.003	11.7	2.21	9.42	192.9	0	0	0
166 TP	32	986.7	196.9	3.05	16.79	0.009	0.184	0.1	19.07	9.94	9.19	72.98	1.1	0.004	14.2	2.86	14.44	192.9	0	0	0
166 TP	32	770.1	196.4	3.09	16.74	0.006	0.294	0.12	18.32	11.99	6.49	72.03	0.4	0.004	16.2	2.2	19.39	192.9	0	0	0
168 TP	32	797.9	196.4	3.06	16.98	0.008	0.38	0.19	22.93	14.46	4.94	71.22	0	0.006	18.8	2.47	19.38	193	0	0	0
168 TP	32	733.4	196.4	3.19	19.97	0.009	0.411	0.18	28.1	17.01	3.96	66.93	0	0.005	20.8	1.84	12.83	193.1	0	0	0
170 TP	32	672.3	196.4	6.57	15.09	0.007	0.301	0.14	46.24	13.59	8.39	37.43	0	0.007	23.2	1.54	9.55	193.2	0	0	0
170 TP	32	638	196.41	9.9413	0.94	0.004	0.166	0.08	65.06	7.88	14	21.6	0	0.006	24.5	0.96	7.07	193.2	0	0	0
171 TP	32	636.1	196.4	12.61	13.16	0.009	0.182	0.09	56.79	8.69	11.04	23.49	2.2	0.007	25.4	1.26	9.28	193.2	0	0	0
172 TP	32	649.3	196.3	10.6	12.68	0.005	0.194	0.1	50.09	9.12	9.96	29.17	1	0.007	25.6	1.43	4.96	193.3	0	0	0
173 TP	32	618.9	196.2	9.3	12.32	0.005	0.188	0.1	44.46	9.23	9.72	26.6	1	0.007	25.6	1.61	9.9	193.3	0	0	0
174 TP	32	971.4	196	8.49	11.97	0.009	0.171	0.1	39.99	9.08	10.09	27.56	1	0.007	25.7	1.81	9.93	193.4	0	0	0
176 TP	32	914.3	196	8.04	11.69	0.005	0.149	0.09	36.93	8.77	10.82	28.08	1.1	0.008	25.8	2.19	6.34	193.5	0	0	0
177 TP	32	363.1	199.9	7.76	11.93	0.004	0.101	0.09	33.94	8.44	11.78	28.49	1	0.007	25.8	2.14	6.12	193.6	0	0	0
177 TP	32	412.4	195.9	7.92	11.98	0.004	0.111	0.09	31.8	8.16	12.77	29.07	0.9	0.006	25.9	2.07	9.14	193.7	0	0	0
178 TP	32	370.3	196	7.23	11.8	0.004	0.097	0.08	29.8	7.96	13.96	30.13	1	0.007	25.9	2.49	4.72	193.8	0	0	0
179 TP	32	331.9	196	6.9	12.07	0.004	0.086	0.08	27.96	7.82	14.14	31.47	1	0.007	25.7	2.59	4.36	193.8	0	0	0
180 TP	32	294	196	6.58	12.39	0.004	0.075	0.08	26.29	7.7	14.76	32.98	1	0.007	25.7	2.79	3.47	193.8	0	0	0
181 TP	32	269.9	196	6.27	12.71	0.004	0.066	0.08	24.61	7.98	15.39	34.62	1	0.007	25.6	2.93	3.1	193.8	0	0	0
182 TP	31.9	242.9	196	9.99	13.03	0.004	0.06	0.08	23.22	7.48	19.91	36.3	1	0.007	25.6	3.11	3.13	193.9	0	0	0
183 TP	31.9	220.6	196	9.73	13.39	0.004	0.054	0.08	22.09	7.43	16.22	38.19	1	0.007	25.5	3.26	3.2	193.9	0	0	0
184 TP	31.9	209.7	196	9.44	13.78	0.004	0.09	0.08	20.92	7.43	16.23	40.37	1	0.007	25.5	3.43	3.18	193.9	0	0	0
186 TP	31.9	192	196	9.15	14.09	0.004	0.047	0.08	19.9	7.46	16.03	42.67	1.1	0.008	25.4	3.96	3.08	194	0	0	0
186 TP	31.9	179	274	4.91	14.39	0.004	0.044	0.11	19.09	7.9	19.81	44.74	0.9	0.006	25.4	3.37	3.02	194	0	0	0
187 TP	31.9	169.8	394.9	4.73	14.97	0.004	0.042	0.16	18.49	7.94	19.97	46.92	1	0.007	25.4	3.87	3.02	194	0	0	0
188 TP	31.9	199.3	334.1	4.98	14.74	0.004	0.04	0.14	18	7.59	15.33	48.1	1	0.007	25.3	3.96	3.11	194	0	0	0
189 TP	31.9	149.3	330.2	4.46	14.88	0.004	0.038	0.14	17.61	7.63	19.13	49.46	1	0.007	25.3	4.05	3.08	194	0	0	0
190 TP	31.9	114	326.8	4.36	14.98	0.004	0.029	0.14	17.3	7.69	14.97	90.99	1	0.007	25.3	4.12	3.03	194.1	0	0	0
191 TP	31.9	139.2	326.1	4.29	15.06	0.004	0.039	0.14	17.06	7.67	14.9	91.37	1	0.007	25.3	4.17	2.93	194.2	0	0	0
193 TP	31.9	137.6	336.7	4.24	19.12	0.004	0.039	0.14	16.86	7.68	14.86	52.04	1.1	0.008	25.2	4.63	2.92	194.2	0	0	0
193 TP	32	132.2	340.7	4.19	19.18	0.004	0.033	0.14	16.7	7.68	14.83	92.63	0.9	0.006	25.2	3.82	2.99	194.3	0	0	0
195 TP	32	129	343.7	4.16	19.23	0.004	0.032	0.14	16.97	7.69	14.78	93.16	1.1	0.008	25.1	4.7	2.87	194.3	0	0	0
196 TP	32	124.8	344.3	4.12	15.27	0.004	0.032	0.14	16.43	7.7	14.76	93.64	1	0.007	25.1	4.3	2.71	194.3	0	0	0
196 TP	32	119.7	343.7	4.08	19.31	0.004	0.03	0.14	16.29	7.7	14.76	94.12	0.9	0.006	25.1	3.9	2.67	194.3	0	0	0
197 TP	32.1	114.6	340.3	4.06	19.34	0.004	0.029	0.14	16.18	7.69	14.78	94.48	1	0.007	25	4.36	2.63	194.3	0	0	0
199 TP	32	115.5	340.2	4.04	19.37	0.004	0.029	0.14	16.1	7.69	14.79	94.76	1.1	0.008	25	4.82	2.6	194.3	0	0	0
199 TP	32	119.6	342.4	4.02	19.4	0.004	0.03	0.14	16.02	7.69	14.79	99.04	0.9	0.006	25	3.96	2.61	194.4	0	0	0
201 TP	32	117.5	343.1	4	15.42	0.004	0.03	0.14	19.99	7.7	14.77	99.34	1.1	0.008	25	4.89	2.97	194.3	0	0	0
202 TP	32	114.8	340.7	3.98	19.44	0.004	0.029	0.14	19.88	7.69	14.79	99.96	1	0.007	25	4.43	2.97	194.4	0	0	0
202 TP	32.1	113.1	337.2	3.97	19.46	0.004	0.029	0.14	19.82	7.69	14.79	99.77	0.9	0.006	24.9	4	2.9	194.4	0	0	0
204 TP	32	108.9	338	3.96	19.47	0.004	0.028	0.14	19.79	7.7	14.79	99.93	1.1	0.008	24.9	4.9	2.97	194.9	0	0	0
205 TP	32	104.6	337.6	3.99	19.48	0.004	0.027	0.14	19.76	7.7	14.73	56.08	1	0.007	24.9	4.49	2.65	194.9	0	0	0

209 TP	32	102.9	339.8	3.94	19.9	0.004	0.026	0.14	19.73	7.71	14.7	96.29	0.9	0.006	24.9	4.02	2.99	194.6	0	0	0
206 TP	32	102.9	339	3.93	19.9	0.004	0.026	0.14	19.7	7.71	14.71	96.33	1	0.007	24.9	4.46	2.64	194.6	0	0	0
207 TP	32	83.1	336.9	3.93	19.9	0.004	0.021	0.14	19.67	7.7	14.79	96.41	1	0.007	24.8	4.47	2.96	194.6	0	0	0
208 TP	31.9	101.7	339.1	3.92	19.91	0.004	0.026	0.14	19.69	7.7	14.78	96.41	1	0.007	24.8	4.47	2.54	194.6	0	0	0
209 TP	31.9	100.7	339.7	3.92	19.91	0.004	0.026	0.14	19.63	7.69	14.83	96.42	1	0.007	24.8	4.47	2.94	194.7	0	0	0
210 TP	31.9	101.2	339	3.92	15.91	0.004	0.026	0.14	19.61	7.68	14.86	96.49	1	0.007	24.8	4.48	2.6	194.7	0	0	0
211 TP	31.9	104.8	340.1	3.92	19.92	0.004	0.026	0.14	19.98	7.67	14.89	96.91	1	0.007	24.8	4.48	2.61	194.8	0	0	0
213 TP	31.9	107.7	339.9	3.91	19.93	0.004	0.027	0.14	19.56	7.67	14.89	96.6	1.1	0.008	24.8	4.93	2.99	194.8	0	0	0
213 TP	31.9	108.4	339.2	3.91	19.93	0.004	0.027	0.14	19.93	7.68	14.88	96.71	0.9	0.006	24.7	4.04	2.99	194.8	0	0	0
214 TP	31.9	104.9	337.8	3.9	19.99	0.004	0.027	0.14	19.92	7.68	14.86	96.82	1	0.007	24.8	4.9	2.69	194.8	0	0	0
216 TP	31.9	104.6	337	3.9	15.99	0.004	0.027	0.14	19.92	7.69	14.83	96.86	1.1	0.008	24.7	4.94	2.69	194.8	0	0	0
217 TP	31.9	104.6	337.6	3.89	19.99	0.004	0.027	0.14	19.94	7.7	14.79	96.89	1	0.007	24.7	4.48	2.71	194.8	0	0	0
218 TP	31.9	102.9	338	3.89	19.94	0.004	0.026	0.14	19.97	7.71	14.69	96.88	1	0.007	24.7	4.47	2.63	194.8	0	0	0
218 TP	31.9	103.9	340	3.9	19.93	0.004	0.026	0.14	19.99	7.72	14.67	96.8	0.9	0.006	24.7	4.02	2.92	194.9	0	0	0
219 TP	31.9	102	340.9	3.91	19.92	0.004	0.026	0.14	19.62	7.72	14.68	96.66	1	0.007	24.7	4.49	2.61	199	0	0	0
220 TP	32	102.3	342.2	3.91	19.91	0.004	0.026	0.14	15.64	7.71	14.7	96.99	1	0.007	24.7	4.44	2.71	199	0	0	0
221 TP	32	109.6	346.2	3.92	15.51	0.004	0.027	0.14	15.66	7.71	14.7	56.49	1	0.007	24.6	4.43	2.73	194.9	0	0	0
223 TP	31.9	104.3	346.4	3.92	19.49	0.004	0.027	0.14	19.68	7.71	14.71	96.39	1.1	0.008	24.7	4.88	2.79	194.9	0	0	0
223 TP	31.9	104.8	349.7	3.93	19.48	0.004	0.027	0.14	15.7	7.71	14.73	96.27	0.9	0.006	24.7	3.98	2.77	199	0	0	0
224 TP	31.9	106.4	348	3.94	19.47	0.004	0.027	0.19	19.74	7.71	14.71	96.14	1	0.007	24.7	4.42	2.89	199	0	0	0
229 TP	31.9	102.7	350.6	3.94	15.46	0.004	0.026	0.15	15.78	7.72	14.67	96.06	1	0.007	24.7	4.42	2.82	195.1	0	0	0
226 TP	31.9	103	350.3	3.99	19.46	0.004	0.026	0.19	19.83	7.74	14.6	96.01	1	0.007	24.7	4.41	2.83	199.1	0	0	0
227 TP	31.9	106.8	348.9	3.99	15.44	0.004	0.027	0.19	19.88	7.79	14.92	99.9	1	0.007	24.7	4.39	2.88	199.1	0	0	0
228 TP	31.9	108.7	348.5	3.96	19.43	0.004	0.028	0.19	19.99	7.76	14.45	95.74	1	0.007	24.8	4.38	2.92	195.2	0	0	0
229 TP	32	110.3	391.6	3.98	19.4	0.004	0.028	0.19	16.03	7.78	14.39	99.93	1	0.007	24.8	4.36	2.95	199.2	0	0	0
230 TP	32	111.2	393.8	4	19.37	0.004	0.029	0.19	16.11	7.78	14.37	99.24	1	0.007	24.8	4.34	2.96	199.2	0	0	0
231 TP	32	112	358.5	4.01	19.39	0.004	0.029	0.15	16.2	7.79	14.33	94.97	1	0.007	24.9	4.33	3.02	199.2	0	0	0
232 TP	32	111.8	362.3	4.03	15.32	0.004	0.029	0.19	16.3	7.8	14.3	94.66	1	0.007	24.9	4.31	3.06	199.3	0	0	0
233 TP	32	114.7	369.1	4.09	19.29	0.004	0.029	0.19	16.39	7.8	14.28	94.37	1	0.007	24.9	4.29	3.1	195.4	0	0	0
235 TP	32	117.7	369.2	4.07	19.26	0.004	0.03	0.16	16.46	7.8	14.29	94.09	1.1	0.008	24.9	4.69	2.93	195.5	0	0	0
236 TP	32	118.2	368.9	4.09	19.23	0.004	0.03	0.16	16.51	7.78	14.36	93.78	1	0.007	24.9	4.29	2.88	199.9	0	0	0
236 TP	32	119.1	370.3	4.12	19.2	0.004	0.029	0.16	16.95	7.76	14.47	93.48	0.9	0.006	25	3.82	2.83	195.5	0	0	0
237 TP	32	110.4	373.9	4.14	19.18	0.004	0.028	0.16	16.6	7.74	14.58	93.22	1	0.007	25	4.24	2.81	199.6	0	0	0
239 TP	32	110.3	377.7	4.19	19.18	0.004	0.028	0.16	16.62	7.73	14.62	93.1	1.1	0.008	25	4.66	2.77	199.6	0	0	0
239 TP	31.9	113.6	379.9	4.19	19.18	0.004	0.029	0.16	16.63	7.73	14.61	93.08	0.9	0.006	25	3.81	2.79	195.6	0	0	0
241 TP	31.9	114	376.1	4.19	19.18	0.004	0.029	0.16	16.63	7.74	14.99	93.1	1.1	0.008	25	4.67	2.82	199.6	0	0	0
242 TP	31.8	111.4	371.9	4.19	19.18	0.004	0.028	0.16	16.63	7.74	14.97	93.13	1	0.007	25	4.24	2.97	199.7	0	0	0
242 TP	31.9	114.3	368.9	4.19	15.18	0.004	0.029	0.19	16.64	7.79	14.93	93.13	0.9	0.006	25.1	3.82	3	195.7	0	0	0
243 TP	31.8	114.3	369	4.19	19.18	0.004	0.029	0.19	16.69	7.75	14.92	93.13	1	0.007	25.1	4.29	2.89	199.8	0	0	0
249 TP	31.8	110.1	370.9	4.19	19.18	0.004	0.028	0.16	16.66	7.79	14.92	93.11	1.1	0.008	25.1	4.67	2.88	199.8	0	0	0
246 TP	31.8	110.8	371.6	4.19	19.17	0.004	0.028	0.16	16.67	7.79	14.92	93.09	1	0.007	25.1	4.29	2.86	199.9	0	0	0
247 TP	31.8	110.7	371.1	4.16	19.17	0.004	0.028	0.16	16.68	7.75	14.93	93.01	1	0.007	25.1	4.29	3.04	199.8	0	0	0
248 TP	31.9	110.6	371.9	4.16	19.17	0.004	0.028	0.16	16.69	7.79	14.94	93	1	0.007	25.2	4.29	2.98	199.8	0	0	0
249 TP	31.9	199.7	371.6	4.16	19.17	0.004	0.04	0.16	16.7	7.79	14.9	92.94	1	0.007	25.3	4.26	2.98	199.9	0	0	0
249 TP	31.8	311	371.9	4.16	19.17	0.004	0.081	0.16	16.92	7.86	14.04	92.72	0.9	0.007	26	3.88	9.06	199.9	0	0	0
291 TP	31.8	908.7	370.4	4.16	19.16	0.004	0.141	0.17	18.09	8.39	12.03	92.41	1.1	0.008	25.4	4.31	19.63	195.9	0	0	0
292 TP	31.9	633.4	371.5	4.16	19.16	0.009	0.202	0.19	20.81	9.66	8.98	92.29	1	0.008	27.4	3.68	20.27	196	0	0	0
292 TP	31.9	670.7	370.8	4.16	19.08	0.006	0.299	0.23	24.91	11.99	6.47	91.96	0.9	0.007	29.3	2.94	16.91	196.1	0	0	0
254 TP	31.9	704	368.8	4.22	14.68	0.007	0.311	0.27	29.3	13.39	9.07	90.26	1.1	0.01	31.2	3.26	11.22	196.2	0	0	0
259 TP	32	792.6	372.2	4.91	14.01	0.007	0.392	0.29	33.22	14.2	4.62	46.12	1	0.009	32.5	2.72	8.19	196.3	0	0	0
299 TP	32	768.3	432.2	4.98	13.29	0.007	0.362	0.33	36.84	14.28	4.98	41.31	0.9	0.008	33.9	2.3	6.79	196.4	0	0	0
297 TP	32	739.9	947.9	9.47	12.67	0.007	0.343	0.42	39.87	14.06	4.68	37.43	1.1	0.011	34.9	2.69	9.99	196.4	0	0	0
297 TP	32	990.7	621.9	9.91	12.08	0.007	0.26	0.49	40.82	13.33	9.08	34.93	0.9	0.009	35.2	2.17	4.79	196.4	0	0	0
298 TP	32	729.6	779.2	6.32	11.92	0.006	0.293	0.51	39.91	12.18	5.88	31.96	1	0.01	35.3	2.48	4.9	196.5	0	0	0
299 TP	32	667.9	****	6.72	11.11	0.006	0.241	0.63	38.16	10.96	7.04	30.11	1	0.01	34.7	2.59	3.77	196.6	0	0	0
260 TP	32	988.6	***	7.01	10.94	0.009	0.19	0.68	35.67	9.82	8.62	29.11	1	0.01	34.8	2.74	2.77	196.6	0	0	0
261 TP	32	921.1	***	7.12	10.84	0.009	0.194	0.64	33.14	8.98	10.32	28.71	1	0.01	34.8	2.99	3.16	196.7	0	0	0
262 TP	32	466.4	***	7.2	10.92	0.004	0.129	0.97	31.39	8.4	11.99	28.68	1	0.01	34.8	3.11	3.63	196.8	0	0	0
264 TP	32	421.8	***	7.13	11.39	0.004	0.112	0.91	29.79	8.07	13.11	29.63	1.1	0.011	34.8	3.61	3.89	196.9	0	0	0
264 TP	32	387.7	*****	6.79	11.91	0.004	0.102	0.49	27.96	7.99	13.43	31.91	0.9	0.009	34.7	3.14	3.96	197	0	0	0
269 TP	31.9	362.7	898.9	6.38	12.3	0.004	0.099	0.37	26.39	7.99	13.43	33.4	1	0.01	34.8	3.7	4.09	197.1	0	0	0
267 TP	31.9	343.9	613.8	6.11	12.98	0.004	0.09	0.27	29.29	7.98	13.46	34.87	1.1	0.011	34.7	4.29	4.07	197.1	0	0	0
268 TP	31.9	324.1	939.9	9.93	12.78	0.004	0.089	0.23	24.92	7.97	13.49	39.96	1	0.01	34.8	3.98	3.98	197.2	0	0	0
269 TP	31.9	306.9	929	5.81	12.94	0.004	0.081	0.23	23.95	7.96	13.96	36.8	1	0.01	34.7	4.08	4.07	197.3	0	0	0
269 TP	31.9	296.7	922.2	9.71	13.09	0.004	0.078	0.22	23.91	7.99	13.6	37.46	0.9	0.009	34.7	3.74	4.41	197.4	0	0	0
270 TP	31.9	294.2	524	9.64	13.13	0.004	0.077	0.23	23.21	7.99	13.61	37.99	1	0.01	34.7	4.21	4.59	197.4	0	0	0
271 TP	31.9	290.6	525.8	9.99	13.2	0.004	0.076	0.23	23.01	7.99	13.6	38.33	1	0.01	34.8	4.29	4.61	197.4	0	0	0
273 TP	31.9	290.3	931.2	9.94	13.24	0.004	0.076	0.23	22.85	7.96	13.96	38.63	1.1	0.011	34.8	4.71	4.7	197.4	0	0	0
273 TP	31.9	290.9	934.2	9.91	13.27	0.004	0.076	0.23	22.76	7.97	13.91	38.84	0.9	0.009	34.9	3.88	4.98	197.5	0	0	0
274 TP	31.9	291.9	933.3	9.49	13.28	0.004	0.077	0.23	22.72	7.98	13.47	38.93	1	0.01	34.9	4.32	9.08	197.6	0	0	0
276 TP	31.9	295.8	934.9	9.49	13.27	0.004	0.078	0.23	22.71	7.99	13.44	38.99	1.1	0.011	35	4.76	5.2	197.6	0	0	0
276 TP	31.9	303.9	943.6	9.9	13.26	0.004	0.08	0.24	22.76	7.99	13.42	38.88	0.9	0.009	35	3.89	9.44	197.6	0	0	0

277 TP	31.9	309.5	990.9	9.51	13.24	0.004	0.082	0.24	22.82	8	13.4	38.77	1	0.01	35.1	4.32	5.61	197.6	0	0	0
279 TP	32	312.1	598.1	9.92	13.21	0.004	0.082	0.24	22.91	8	13.38	38.63	1.1	0.011	35.1	4.74	9.87	197.6	0	0	0
280 TP	32	319.2	963.2	9.94	13.18	0.004	0.083	0.24	22.98	8	13.39	38.47	1	0.01	35.1	4.3	9.91	197.7	0	0	0
280 TP	32	317.7	967.5	9.97	13.19	0.004	0.084	0.29	23.06	8	13.41	38.3	0.9	0.009	35.2	3.86	6.13	197.7	0	0	0
282 TP	32	320.8	971.8	9.99	13.11	0.004	0.084	0.29	23.12	7.98	13.46	38.12	1.1	0.011	35.2	4.71	6.11	197.7	0	0	0
283 TP	32	323.1	979.8	9.61	13.09	0.004	0.089	0.29	23.17	7.97	13.91	37.97	1	0.01	35.3	4.28	9.89	197.7	0	0	0
283 TP	32	322.5	579.9	5.63	13.07	0.004	0.089	0.25	23.23	7.97	13.53	37.85	0.9	0.009	35.3	3.85	6.12	197.7	0	0	0
284 TP	32	320	980.6	9.64	13.06	0.004	0.084	0.29	23.29	7.97	13.94	37.77	1	0.01	35.4	4.27	6.29	197.6	0	0	0
285 TP	32	318	980.9	9.69	13.09	0.004	0.084	0.29	23.31	7.97	13.93	37.72	1	0.01	35.4	4.27	6.22	197.6	0	0	0
286 TP	32	312.6	981.4	9.69	13.04	0.004	0.082	0.29	23.33	7.96	13.94	37.67	1	0.01	35.4	4.27	9.99	197.7	0	0	0
288 TP	32	306.1	982.6	9.66	13.04	0.004	0.08	0.29	23.39	7.96	13.96	37.64	1.1	0.011	35.5	4.7	9.99	197.7	0	0	0
288 TP	32	301.9	983.4	9.67	13.04	0.004	0.079	0.29	23.36	7.99	13.58	37.62	0.9	0.009	35.5	3.89	6.13	197.8	0	0	0
289 TP	32	294.4	980.1	9.67	13.04	0.004	0.077	0.29	23.33	7.94	13.64	37.61	1	0.01	35.5	4.28	9.99	197.8	0	0	0
290 TP	32	283.4	577.9	9.67	13.04	0.004	0.074	0.29	23.24	7.91	13.77	37.62	1	0.01	35.5	4.3	9.59	197.8	0	0	0
291 TP	32	270	976.4	9.67	13.09	0.004	0.07	0.29	23.11	7.87	13.99	37.67	1	0.01	35.5	4.32	9.18	197.7	0	0	0
292 TP	32	299.8	976.3	9.66	13.07	0.004	0.066	0.24	22.94	7.83	14.19	37.77	1	0.01	35.5	4.39	4.9	197.8	0	0	0
293 TP	32	243.8	573.4	5.64	13.13	0.004	0.063	0.24	22.75	7.79	14.32	37.97	1	0.01	35.5	4.39	4.68	197.8	0	0	0
294 TP	32	233.3	966.8	5.6	13.2	0.004	0.06	0.24	22.92	7.76	14.46	38.3	1	0.01	35.4	4.43	4.46	197.8	0	0	0
299 TP	32	222	996.3	9.99	13.28	0.004	0.097	0.23	22.26	7.74	14.94	38.72	1	0.01	35.4	4.48	4.37	197.8	0	0	0
296 TP	32	214.6	942.9	9.49	13.36	0.004	0.095	0.23	22.01	7.74	14.98	39.18	1	0.01	35.4	4.93	4.19	197.8	0	0	0
297 TP	32	209.2	929.7	9.43	13.49	0.004	0.053	0.22	21.76	7.74	14.98	39.69	1	0.01	35.4	4.98	4.11	197.8	0	0	0
298 TP	31.9	203.8	517.5	9.37	13.93	0.004	0.052	0.22	21.92	7.74	14.96	40.19	1	0.01	35.3	4.63	4.08	197.9	0	0	0
299 TP	31.9	198.9	908.9	9.3	13.62	0.004	0.091	0.21	21.31	7.79	14.9	40.7	1	0.01	35.3	4.67	4.13	198	0	0	0
300 TP	31.9	196.2	900.7	9.29	13.69	0.004	0.09	0.21	21.22	7.8	14.42	41.17	1	0.01	35.3	4.69	4.07	198	0	0	0
301 TP	31.9	191.3	489.7	9.19	13.79	0.004	0.049	0.21	20.97	7.79	14.32	41.6	1	0.01	35.3	4.74	4.13	198	0	0	0
302 TP	31.9	184.5	479.9	9.16	13.8	0.004	0.047	0.2	20.89	7.81	14.29	41.99	1	0.01	35.3	4.76	4.03	198.1	0	0	0
303 TP	31.9	181.3	482.3	9.12	13.84	0.004	0.047	0.2	20.79	7.82	14.19	42.29	1	0.01	35.2	4.78	3.92	198.1	0	0	0
304 TP	31.9	181.1	482.8	9.09	13.87	0.004	0.047	0.2	20.66	7.83	14.16	42.47	1	0.01	35.2	4.8	3.96	198.2	0	0	0
309 TP	31.9	178.2	482.9	9.07	13.89	0.004	0.046	0.2	20.97	7.83	14.14	42.67	1	0.01	35.2	4.81	3.93	198.2	0	0	0
306 TP	31.9	177.3	482.1	9.09	13.93	0.004	0.046	0.2	20.9	7.83	14.14	42.86	1	0.01	35.1	4.83	3.89	198.2	0	0	0
307 TP	31.9	179.9	480.9	9.03	13.99	0.004	0.046	0.2	20.43	7.84	14.11	43.09	1	0.01	35.1	4.84	3.84	198.3	0	0	0
308 TP	31.9	176.7	479	9.01	13.98	0.004	0.046	0.2	20.37	7.84	14.08	43.23	1	0.01	35.1	4.89	3.79	198.4	0	0	0
309 TP	31.9	178	476.7	9	14	0.004	0.046	0.2	20.31	7.89	14.06	43.38	1	0.01	35	4.86	3.73	198.9	0	0	0
310 TP	32	176.8	476	4.98	14.02	0.004	0.046	0.2	20.27	7.89	14.03	43.92	1	0.01	35	4.87	3.7	198.6	0	0	0
311 TP	32	179.4	476.8	4.97	14.03	0.004	0.045	0.2	20.24	7.86	14.02	43.6	1	0.01	35	4.87	3.68	198.6	0	0	0
312 TP	32	171.3	474.4	4.96	14.04	0.004	0.044	0.2	20.21	7.86	14.01	43.67	1	0.01	35	4.88	3.99	198.7	0	0	0
313 TP	32	174.2	474	4.96	14.09	0.004	0.049	0.2	20.19	7.86	14.01	43.72	1	0.01	35	4.88	3.47	198.7	0	0	0
314 TP	32.1	179	474.2	4.99	14.06	0.004	0.049	0.2	20.18	7.86	14	43.78	1	0.01	35	4.88	3.42	198.7	0	0	0
315 TP	32	174	473	4.99	14.06	0.004	0.049	0.2	20.14	7.86	14.01	43.82	1	0.01	35	4.89	3.4	198.8	0	0	0
316 TP	32	170.7	473.8	4.94	14.07	0.004	0.044	0.2	20.12	7.89	14.03	43.88	1	0.01	34.9	4.89	3.94	198.9	0	0	0
317 TP	32.1	166	473.2	4.94	14.07	0.004	0.043	0.2	20.09	7.89	14.04	43.91	1	0.01	34.9	4.9	3.37	199	0	0	0
318 TP	32.1	162.4	474	4.93	14.08	0.004	0.042	0.2	20.07	7.89	14.04	43.97	1	0.01	34.9	4.9	3.38	199	0	0	0
319 TP	32.1	161.6	479.6	4.93	14.08	0.004	0.042	0.2	20.07	7.89	14.03	43.98	1	0.01	34.9	4.9	3.39	199.1	0	0	0
320 TP	32.1	163.9	475.9	4.93	14.08	0.004	0.042	0.2	20.08	7.86	14.02	43.99	1	0.01	34.9	4.89	3.37	199.1	0	0	0
321 TP	32.1	161.7	479.6	4.93	14.08	0.004	0.042	0.2	20.19	7.89	14	44.03	1	0.01	34.9	4.87	3.42	199.2	0	0	0
322 TP	32.1	160.6	474.7	4.93	14.08	0.004	0.042	0.2	20.07	7.86	13.99	44.03	1	0.01	34.8	4.89	3.43	199.2	0	0	0
323 TP	32	161.9	475.9	4.93	14.08	0.004	0.042	0.2	20.07	7.87	13.98	44.03	1	0.01	34.8	4.89	3.36	199.2	0	0	0
324 TP	32	164.4	477.9	4.93	14.08	0.004	0.043	0.2	20.07	7.86	13.99	44.03	1	0.01	34.8	4.89	3.33	199.3	0	0	0
325 TP	32	167.9	477.9	4.93	14.08	0.004	0.043	0.2	20.06	7.86	14	44.02	1	0.01	34.8	4.88	3.29	199.3	0	0	0
326 TP	32	169.4	476.8	4.92	14.08	0.004	0.043	0.2	20.05	7.86	14	44.04	1	0.01	34.8	4.89	3.42	199.4	0	0	0
327 TP	32	169.1	474.9	4.92	14.09	0.004	0.043	0.2	20.03	7.89	14.03	44.09	1	0.01	34.8	4.89	3.49	199.9	0	0	0
328 TP	32	167.9	475.5	4.93	14.08	0.004	0.043	0.2	20.03	7.89	14.09	44.02	1	0.01	34.8	4.89	3.39	199.6	0	0	0
329 TP	32	170.4	477.3	4.93	14.08	0.004	0.044	0.2	20.03	7.89	14.06	44.02	1	0.01	34.7	4.88	3.44	199.6	0	0	0
330 TP	32	168.9	477.8	4.92	14.08	0.004	0.044	0.2	20.02	7.89	14.09	44.04	1	0.01	34.7	4.88	3.38	199.8	0	0	0
331 TP	32	163.9	474.4	4.92	14.08	0.004	0.042	0.2	20.02	7.84	14.08	44.04	1	0.01	34.7	4.88	3.33	199.9	0	0	0
332 TP	32	163.6	479.2	4.93	14.08	0.004	0.042	0.2	20.01	7.84	14.09	44.03	1	0.01	34.7	4.88	3.32	199.9	0	0	0
333 TP	32	161.3	477.3	4.93	14.08	0.004	0.042	0.2	20.01	7.84	14.09	44.03	1	0.01	34.7	4.88	3.39	199.9	0	0	0
334 TP	32	161.2	478.9	4.93	14.08	0.004	0.042	0.2	20.09	7.87	14.09	44.03	1	0.01	34.6	4.89	3.41	199.9	0	0	0
339 TP	32	160.9	479.9	4.93	14.08	0.004	0.041	0.2	20	7.84	14.11	44.03	1	0.01	34.6	4.87	3.33	199.9	0	0	0
336 TP	32	160.6	479.8	4.93	14.08	0.004	0.041	0.2	19.99	7.83	14.12	44.03	1	0.01	34.6	4.87	3.24	200	0	0	0
337 TP	32.1	172.6	479.1	4.93	14.08	0.004	0.049	0.2	20	7.84	14.11	44.02	1	0.01	34.6	4.87	3.32	200	0	0	0
338 TP	32.1	224.1	479.9	4.93	14.08	0.004	0.098	0.2	20.07	7.86	14.01	43.94	1	0.01	34.8	4.88	3.66	200	0	0	0
339 TP	32.1	367.9	481.2	4.93	14.07	0.004	0.097	0.21	20.4	7.98	13.49	43.79	1	0.01	35.1	4.83	7.39	200	0	0	0
340 TP	32.1	998.1	481.9	4.93	14.07	0.004	0.163	0.22	21.16	8.28	12.36	43.92	1	0.01	35.5	4.68	14.44	200	0	0	0
341 TP	32.1	838.4	483.4	4.94	14.04	0.009	0.242	0.23	22.49	8.78	10.89	43.2	1	0.01	35.7	4.43	19.72	200	0	0	0
342 TP	32.1	979.8	487.8	4.96	13.88	0.009	0.311	0.26	24.82	9.66	8.93	42.96	1	0.01	36.4	4.09	21.9	200	0	0	0
343 TP	32.1	966.5	491.8	9.08	13.48	0.006	0.349	0.29	28.82	10.94	7.08	40.97	1	0.011	38.3	3.68	17.84	200	0	0	0
344 TP	32.1	869.1	512.7	9.37	12.91	0.006	0.348	0.34	33.79	12.14	9.91	38.32	1	0.011	39.3	3.29	11.61	200.1	0	0	0
349 TP	32.1	762	593.3	9.77	12.28	0.007	0.324	0.41	38.97	12.91	9.39	39.36	1	0.011	40.6	2.93	8.41	200.1	0	0	0
346 TP	32.1	697.6	692.8	6.2	11.7	0.007	0.303	0.9	42.36	13.19	9.17	32.73	1	0.012	41.7	2.79	7.24	200.1	0	0	0
347 TP	32.1	714.6	768.1	6.6	11.29	0.007	0.307	0.54	44.6	13.09	9.29	30.77	1	0.012	42.6	2.67	6.29	200	0	0	0
348 TP	32.1	782.9	792.6	6.88	11.09	0.007	0.332	0.99	49.86	12.86	5.37	29.63	1	0.012	43.6	2.69	9.9	200.1	0	0	0

349 TP	32.1	840	916.2	7.02	11.03	0.007	0.397	0.64	46.88	12.88	9.36	29.14	1	0.012	44.9	2.69	6.19	200.1	0	0	0
390 TP	32.1	868.8	*****	7.07	10.95	0.007	0.373	0.74	47.74	13.03	5.26	28.86	1	0.013	45.4	2.69	5.79	200.2	0	0	0
351 TP	32.1	898.7	****	7.19	10.68	0.007	0.372	0.76	48.61	13.13	9.2	28.27	1	0.013	46.3	2.66	9.29	200.3	0	0	0
392 TP	32.1	830	*****	7.39	10.32	0.007	0.357	0.78	49.72	13.09	9.29	27.28	1	0.013	47.1	2.65	4.97	200.4	0	0	0
353 TP	32.1	791	*****	7.62	9.99	0.007	0.336	0.9	50.9	12.89	9.39	26.29	1	0.013	48	2.63	4.6	200.9	0	0	0
354 TP	32.1	748.4	*****	7.89	9.79	0.007	0.315	0.98	51.94	12.76	9.43	29.48	1	0.014	48.8	2.63	4.4	200.6	0	0	0
399 TP	32.1	691.9	****	8.02	9.99	0.007	0.289	0.99	52.72	12.68	9.48	24.99	1	0.014	49.6	2.63	4.33	200.8	0	0	0
396 TP	32.1	619	*****	8.13	9.9	0.007	0.296	0.97	52.99	12.96	9.96	24.72	1	0.014	50.1	2.69	4.13	200.8	0	0	0
357 TP	32.1	543.1	*****	8.2	9.46	0.006	0.218	0.94	51.71	12.17	9.86	24.6	1	0.014	50	2.72	3.38	201	0	0	0
398 TP	32	475.9	*****	8.22	9.47	0.006	0.182	0.89	49.32	11.97	6.44	24.99	1	0.014	49.9	2.84	2.99	201.1	0	0	0
399 TP	32	438.8	***	8.22	9.97	0.006	0.195	0.82	49.92	10.68	7.33	24.79	1	0.014	49.5	3.06	2.94	201.3	0	0	0
360 TP	32	462.1	****	8.14	9.87	0.005	0.192	0.75	42.11	9.98	8.31	25.29	1	0.014	49.6	3.31	2.66	201.4	0	0	0
361 TP	32	495.8	****	7.9	10.35	0.009	0.16	0.72	40.02	9.77	8.69	26.36	1	0.014	50.2	3.93	9.6	201.5	0	0	0
362 TP	32.1	483.1	*****	7.94	10.98	0.009	0.159	0.66	39.11	10.01	8.26	28.02	1	0.014	50.2	3.61	9.98	201.7	0	0	0
363 TP	32	392.9	968.6	7.06	11.97	0.009	0.119	0.94	37.4	10.22	7.94	30.14	1	0.014	49.9	3.75	3.92	201.8	0	0	0
364 TP	32	394.9	736.7	6.64	11.77	0.009	0.134	0.41	39.39	10.27	7.96	31.62	1	0.014	49.9	3.97	2.98	201.9	0	0	0
369 TP	32	397.7	946.9	6.94	11.72	0.005	0.118	0.3	33.89	10.01	8.27	31.9	1	0.014	49.9	4.14	2.86	202	0	0	0
366 TP	32	327.1	911.1	6.99	11.9	0.009	0.109	0.27	33.33	9.76	8.68	32.09	1	0.014	49.9	4.21	2.88	202.2	0	0	0
367 TP	32	305.6	649.4	6.49	12.19	0.009	0.098	0.34	32.48	9.72	8.74	33.02	1	0.014	49.9	4.32	2.99	202.4	0	0	0
368 TP	32.1	288.9	668.8	6.23	12.42	0.009	0.093	0.39	31.62	9.8	8.61	34.19	1	0.014	49.9	4.44	2.86	202.6	0	0	0
369 TP	32.1	279.9	553.1	6.07	12.99	0.009	0.09	0.3	31.03	9.86	8.91	39.09	1	0.014	49.9	4.93	2.89	202.6	0	0	0
370 TP	32.1	262.7	922	9.96	12.72	0.009	0.086	0.28	30.62	9.91	8.43	39.77	1	0.014	49.9	4.59	2.94	202.8	0	0	0
371 TP	32.1	250.9	923.2	9.88	12.82	0.009	0.082	0.28	30.34	9.99	8.39	36.3	1	0.014	49.9	4.63	2.93	202.9	0	0	0
372 TP	32.1	240.8	522.5	9.82	12.89	0.009	0.08	0.28	30.3	10.09	8.3	36.71	1	0.014	49.9	4.64	2.91	203.1	0	0	0
373 TP	32.1	233.6	929.4	9.77	12.93	0.005	0.077	0.29	29.98	10.02	8.26	36.99	1	0.014	49.9	4.69	2.87	203.2	0	0	0
374 TP	32.1	229.1	932.7	9.74	12.97	0.009	0.076	0.29	29.93	10.06	8.19	37.22	1	0.014	50	4.7	2.96	203.3	0	0	0
375 TP	32.2	226.2	936.4	9.72	13.01	0.009	0.079	0.29	29.96	10.11	8.11	37.39	1	0.014	50.1	4.71	3.03	203.9	0	0	0
376 TP	32.2	221.6	940.8	9.7	13.03	0.005	0.074	0.3	30.09	10.18	8.01	37.94	1	0.014	50.1	4.7	3.13	203.7	0	0	0
377 TP	32.2	217	943.7	9.68	13.04	0.009	0.073	0.3	30.18	10.26	7.9	37.63	1	0.014	50.2	4.68	3.09	203.8	0	0	0
378 IP	32.2	211.7	545.5	9.67	13.03	0.009	0.072	0.3	30.23	10.28	7.86	37.69	1	0.014	50.1	4.67	2.86	203.9	0	0	0
379 TP	32.2	201.6	948.5	9.68	13.01	0.005	0.068	0.3	30.07	10.22	7.96	37.98	1	0.014	50.1	4.69	2.79	204.1	0	0	0
380 TP	32.2	192.9	554.5	9.7	12.98	0.005	0.064	0.3	29.83	10.1	8.13	37.43	1	0.014	50	4.73	2.73	204.1	0	0	0
381 TP	32.2	190.7	969	9.72	12.99	0.009	0.063	0.3	29.91	9.96	8.35	37.38	1	0.014	50	4.77	2.79	-204.2	0	0	0
382 TP	32.2	189	979.8	9.71	13.09	0.009	0.06	0.31	29.13	9.89	8.93	37.99	1	0.014	49.9	4.83	2.72	204.2	0	0	0
383 TP	32.2	180.9	575.6	9.66	13.14	0.005	0.098	0.31	28.72	9.79	8.63	37.94	1	0.014	49.9	4.89	2.77	204.4	0	0	0
384 TP	32.2	180.4	591.4	9.59	13.24	0.005	0.098	0.29	28.39	9.78	8.69	38.46	1	0.014	49.8	4.95	2.75	204.4	0	0	0
389 TP	32.1	180.4	929.3	9.92	13.34	0.009	0.058	0.28	28.07	9.81	8.6	39.02	1	0.014	49.8	9	2.86	204.4	0	0	0
386 TP	32.1	183.4	909.3	9.45	13.43	0.009	0.06	0.27	27.97	9.9	8.49	39.99	1	0.014	49.9	9.02	2.93	204.9	0	0	0
387 TP	32.1	187	491.9	9.39	13.49	0.009	0.062	0.27	28.07	10.04	8.22	39.97	1	0.014	50	9.01	2.97	204.9	0	0	0
388 TP	32.1	188	480.8	9.39	13.92	0.005	0.063	0.27	28.3	10.2	7.98	40.29	1	0.014	50	4.98	2.99	204.6	0	0	0
389 TP	32.1	188.4	479.9	9.33	13.9	0.005	0.064	0.27	28.6	10.39	7.77	40.32	1	0.014	50.1	4.93	3.02	204.6	0	0	0
391 TP	32.1	186.5	478.6	9.39	13.44	0.009	0.064	0.27	28.97	10.49	7.63	40.12	1.1	0.015	50.1	5.36	2.99	204.6	0	0	0
391 TP	32	182.6	493	9.39	13.36	0.005	0.063	0.28	29.29	10.47	7.61	39.71	0.9	0.013	50.1	4.35	2.93	204.6	0	0	0
392 TP	32.1	179	917	5.49	13.28	0.009	0.06	0.29	29.36	10.4	7.7	39.29	1	0.014	50.1	4.81	2.8	204.7	0	0	0
393 TP	32.1	172.8	938.8	9.91	13.21	0.005	0.099	0.3	29.39	10.29	7.89	38.81	1	0.014	50.1	4.8	2.77	204.7	0	0	0
394 TP	32.1	174.9	956.8	9.59	13.19	0.009	0.059	0.31	29.28	10.18	8.02	38.99	1	0.014	50.1	4.82	2.8	204.8	0	0	0
399 TP	32.2	172.6	969.1	5.97	13.2	0.009	0.057	0.31	29.06	10.07	8.17	38.51	1	0.014	50	4.85	2.73	204.9	0	0	0
396 TP	32.2	171.2	968.2	9.59	13.29	0.005	0.096	0.31	28.79	10.01	8.28	38.67	1	0.014	50	4.9	2.69	205	0	0	0
397 TP	32.2	168.9	949.2	9.92	13.3	0.005	0.095	0.3	28.99	9.98	8.32	38.94	1	0.014	50	4.94	2.73	209.1	0	0	0
398 TP	32.2	167.5	931.9	9.48	13.37	0.005	0.095	0.29	28.33	9.98	8.32	39.29	1	0.014	50	4.97	2.7	209.2	0	0	0
399 TP	32.2	167.7	918	5.43	13.43	0.009	0.095	0.28	28.17	10.01	8.27	39.66	1	0.014	50	5	2.76	209.3	0	0	0
400 TP	32.2	170.9	902	9.39	13.48	0.009	0.097	0.27	28.1	10.06	8.19	39.98	1	0.014	50	9.02	2.84	205.4	0	0	0
401 TP	32.2	169.9	489.2	9.36	13.91	0.005	0.097	0.27	28.11	10.13	8.09	40.23	1	0.014	50	9.02	2.79	209.9	0	0	0
402 TP	32.2	169.6	489.2	9.34	13.93	0.009	0.097	0.27	28.14	10.18	8.01	40.37	1	0.014	50.1	9.01	2.69	205.6	0	0	0
403 TP	32.3	167.5	489.6	9.32	13.93	0.009	0.096	0.27	28.17	10.21	7.96	40.44	1	0.014	50.1	9.01	2.69	209.7	0	0	0
404 TP	32.2	162.9	486.9	5.33	13.52	0.005	0.055	0.27	28.2	10.22	7.96	40.4	1	0.014	50	5	2.71	205.9	0	0	0
409 TP	32.2	198.2	488.9	9.34	13.9	0.009	0.093	0.27	28.18	10.19	7.99	40.32	1	0.014	50	9	2.62	209.9	0	0	0
406 TP	32.2	154.6	497.5	9.39	13.49	0.009	0.092	0.27	28.19	10.16	8.09	40.23	1	0.014	50	9.01	2.66	206.1	0	0	0
407 TP	32.2	167.7	906.2	9.36	13.49	0.009	0.096	0.28	28.11	10.13	8.09	40.18	1	0.014	50	9.01	2.72	206.2	0	0	0
408 TP	32.2	168.6	509.8	9.36	13.9	0.005	0.056	0.28	28.08	10.12	8.1	40.21	1	0.014	50	9.02	2.76	206.3	0	0	0
409 TP	32.2	168.3	909.8	9.34	13.92	0.005	0.056	0.28	28.09	10.13	8.09	40.31	1	0.014	50	9.02	2.78	206.4	0	0	0
410 TP	32.2	171.6	904.6	9.33	13.93	0.009	0.057	0.28	28.04	10.19	8.06	40.4	1	0.014	50	9.03	2.76	206.6	0	0	0
411 TP	32.2	172.2	498.2	9.32	13.54	0.005	0.058	0.27	28.06	10.18	8.02	40.48	1	0.014	50.1	9.02	2.7	206.7	0	0	0
412 TP	32.2	176.7	492.3	9.32	13.94	0.009	0.059	0.27	28.1	10.2	7.98	40.9	1	0.014	50	9.02	2.74	206.9	0	0	0
413 TP	32.2	172.4	491.2	9.32	13.93	0.009	0.098	0.27	28.19	10.21	7.96	40.46	1	0.014	50.1	9.01	2.78	206.9	0	0	0
414 TP	32.2	169.8	493	5.33	13.91	0.009	0.097	0.27	28.19	10.21	7.96	40.39	1	0.014	50.1	9.01	2.69	207.1	0	0	0
419 TP	32.2	159.4	497.5	5.34	13.5	0.005	0.054	0.28	28.22	10.21	7.97	40.32	1	0.014	50.1	5	2.68	207.2	0	0	0
416 TP	32.2	197.9	909.1	9.39	13.49	0.009	0.093	0.28	28.2	10.18	8.01	40.23	1	0.014	50	9	2.72	207.3	0	0	0
417 TP	32.2	199.3	910.4	5.36	13.48	0.009	0.093	0.28	28.13	10.14	8.08	40.16	1	0.014	50	9.01	2.73	207.4	0	0	0
418 TP	32.2	198.3	911.9	9.36	13.48	0.005	0.053	0.28	28.01	10.08	8.16	40.14	1	0.014	50	5.03	2.6	207.9	0	0	0
419 TP	32.2	161.2	911.9	9.36	13.49	0.009	0.053	0.28	27.9	10.04	8.22	40.16	1	0.014	50	9.09	2.78	207.6	0	0	0
420 TP	32.2	199.7	512.3	9.39	13.92	0.005	0.093	0.28	27.8	10.04	8.23	40.3	1	0.014	50	9.07	2.91	207.7	0	0	0

421 TP	32.2	196.3	510.1	9.33	13.94	0.009	0.092	0.28	27.73	10.09	8.21	40.46	1	0.014	49.9	9.08	2.89	207.8	0	0	0
422 TP	32.2	160.9	902.6	9.31	13.97	0.009	0.093	0.27	27.64	10.09	8.2	40.63	1	0.014	49.9	9.09	2.86	207.8	0	0	0
423 TP	32.2	199	494.3	5.29	13.99	0.009	0.093	0.27	27.61	10.07	8.17	40.77	1	0.014	49.9	5.1	2.86	207.9	0	0	0
424 TP	32.1	198.6	488.5	9.28	13.6	0.005	0.093	0.27	27.63	10.11	8.12	40.89	1	0.014	50.6	9.16	2.84	208	0	0	0
429 TP	32.2	156.3	487.9	9.27	13.6	0.005	0.092	0.27	27.99	10.1	8.13	40.88	1	0.014	50.5	5.2	2.82	208.1	0	0	0
426 TP	32.2	190.9	489.9	9.27	13.99	0.009	0.049	0.26	26.77	9.8	8.62	40.86	1	0.014	50.3	9.3	2.4	208.2	0	0	0
427 TP	32.2	142.7	493.6	5.28	13.57	0.009	0.043	0.24	24.81	9.07	10.11	40.79	1	0.014	50	5.68	1.85	208.2	0	0	0
428 TP	32.2	131.8	497.4	9.29	13.62	0.004	0.036	0.22	22.4	8.17	12.78	40.84	1	0.014	49.8	6.26	1.9	208.3	0	0	0
429 TP	32.3	114.5	903.7	9.24	14.01	0.004	0.028	0.2	20.15	7.41	16.37	41.99	1	0.014	49.5	6.94	1.49	208.4	0	0	0
430 TP	32.3	102.8	506.5	4.92	14.78	0.004	0.024	0.19	17.73	6.95	19.71	45.72	1	0.014	49.3	7.84	1.42	208.4	0	0	0
431 TP	32.2	100.7	459.4	4.3	15.72	0.004	0.023	0.17	15.17	6.81	21.08	53.07	1	0.014	49.9	9.21	1.93	208.4	0	0	0
432 TP	32.3	109.6	296	3.99	16.98	0.004	0.029	0.12	13.49	7.23	17.69	63.94	1	0.014	50	10.47	2.23	208.4	0	0	0
433 TP	32.3	110.7	147.1	2.99	17.29	0.004	0.031	0.07	12.96	8.37	12.18	77.07	1	0.014	50.2	10.89	2.62	208.4	0	0	0
434 TP	32.3	109.9	72.3	2.93	17.77	0.005	0.036	0.04	12.89	9.89	8.6	91.16	1	0.014	50.1	10.94	2.98	208.4	0	0	0
439 TP	32.3	110	45.9	2.24	17.79	0.006	0.039	0.03	12.99	10.84	7.14	101.39	1	0.014	50	11.16	2.3	208.4	0	0	0
436 TP	32.4	109.3	36.9	2.29	17.47	0.006	0.038	0.02	12.95	10.6	7.49	98	1	0.014	50.1	11.22	2.38	208.4	0	0	0
437 TP	32.4	110.4	77.4	2.55	17.12	0.009	0.036	0.04	12.98	9.83	8.58	87.6	1	0.014	50	10.84	2.37	208.4	0	0	0
438 TP	32.4	109.4	194.3	2.78	17.02	0.005	0.032	0.1	13.32	9.23	9.72	80.78	1	0.014	50	10.97	2.36	208.3	0	0	0
439 TP	32.4	103.3	270.4	2.84	17.07	0.005	0.03	0.13	13.17	8.96	10.34	79.7	1	0.014	50	10.69	2.4	208.3	0	0	0
440 TP	32.3	104.4	297.6	2.79	17.14	0.005	0.031	0.12	12.83	8.86	10.97	81	1	0.014	50	10.97	2.43	208.2	0	0	0
441 TP	32.3	104.3	195.1	2.79	17.24	0.005	0.03	0.09	12.98	8.82	10.67	82.99	1	0.014	50	11.19	2.44	208.2	0	0	0
442 TP	32.3	103.1	168.3	2.68	17.36	0.009	0.03	0.08	12.31	8.86	10.98	84.85	1	0.014	50	11.43	2.41	208.3	0	0	0
443 TP	32.3	103.9	199.9	2.6	17.49	0.009	0.031	0.08	12.07	8.99	10.36	87.49	1	0.014	50	11.66	2.45	208.4	0	0	0
444 TP	32.3	104.2	143.4	2.54	17.92	0.005	0.031	0.07	11.9	9.04	10.13	89.66	1	0.014	50	11.83	2.44	208.4	0	0	0
449 TP	32.3	104.7	136.3	2.5	17.97	0.009	0.032	0.07	11.82	9.14	9.91	91.21	1	0.014	50	11.91	2.91	208.9	0	0	0
446 TP	32.3	103.8	139.9	2.46	17.6	0.009	0.031	0.07	11.7	9.16	9.86	92.38	1	0.014	49.9	12	2.39	208.9	0	0	0
447 TP	32.2	102.8	136.4	2.44	17.62	0.009	0.031	0.07	11.49	9.07	10.06	93.17	1	0.014	50	12.23	2.32	208.6	0	0	0
448 TP	32.2	101.7	137.3	2.43	17.62	0.005	0.03	0.07	11.34	8.99	10.26	93.46	1	0.014	49.9	12.39	2.42	208.6	0	0	0
449 TP	32.2	98.4	138.4	2.43	17.66	0.009	0.029	0.07	11.31	8.96	10.33	93.63	1	0.014	50	12.43	2.45	208.7	0	0	0
490 TP	32.2	99.2	141.6	2.4	17.74	0.009	0.028	0.07	11.29	9.04	10.19	95.1	1	0.014	50	12.49	2.5	208.7	0	0	0
491 TP	32.2	98.4	143.6	2.34	17.79	0.005	0.03	0.07	11.19	9.18	9.84	97.38	1	0.014	50	12.6	2.48	208.8	0	0	0
492 TP	32.3	100.4	131.2	2.31	17.8	0.009	0.031	0.07	11.11	9.27	9.64	98.99	1	0.014	50	12.69	2.47	208.9	0	0	0
493 TP	32.3	94.9	129.4	2.31	17.8	0.005	0.029	0.06	11.11	9.3	9.96	98.92	1	0.014	50	12.69	2.48	208.9	0	0	0
494 TP	32.3	97.2	128.6	2.31	17.8	0.009	0.03	0.06	11.12	9.3	9.96	98.81	1	0.014	50	12.64	2.9	209	0	0	0
499 TP	32.3	101.1	132.7	2.31	17.79	0.005	0.031	0.07	11.17	9.32	9.92	98.62	1	0.014	50	12.6	2.48	209.1	0	0	0
496 TP	32.3	95.1	134.2	2.31	17.79	0.005	0.029	0.07	11.2	9.34	9.49	98.92	1	0.014	50	12.96	2.43	209.2	0	0	0
497 TP	32.3	99.9	133.5	2.32	17.78	0.009	0.029	0.07	11.2	9.32	9.53	98.3	1	0.014	50	12.96	2.39	209.3	0	0	0
498 TP	32.3	97.6	134.4	2.32	17.77	0.005	0.03	0.07	11.22	9.32	9.52	98.13	1	0.014	50	12.54	2.42	209.3	0	0	0
459 TP	32.3	99.2	139.3	2.33	17.76	0.005	0.029	0.07	11.29	9.32	9.52	97.86	1	0.014	50	12.9	2.44	209.3	0	0	0
460 TP	32.4	99	139.9	2.33	17.76	0.009	0.03	0.07	11.28	9.33	9.91	97.67	1	0.014	50	12.47	2.99	209.9	0	0	0
461 TP	32.4	98.8	135.7	2.34	17.75	0.005	0.03	0.07	11.29	9.32	9.53	97.49	1	0.014	50	12.47	2.46	209.6	0	0	0
462 TP	32.4	99.9	135.4	2.34	17.79	0.009	0.031	0.07	11.28	9.31	9.99	97.4	1	0.014	50	12.47	2.44	209.7	0	0	0
463 TP	32.4	102.3	135.5	2.34	17.79	0.009	0.031	0.07	11.28	9.29	9.98	97.29	1	0.014	50.1	12.47	2.4	209.7	0	0	0
464 TP	32.4	103	139.6	2.34	17.79	0.009	0.032	0.07	11.27	9.28	9.61	97.2	1	0.014	50	12.48	2.47	209.8	0	0	0
465 TP	32.4	104.3	135.6	2.35	17.75	0.005	0.032	0.07	11.27	9.27	9.63	97.13	1	0.014	50	12.49	2.49	209.9	0	0	0
466 TP	32.4	104.6	134.9	2.39	17.79	0.009	0.032	0.07	11.26	9.26	9.69	97.19	1	0.014	50	12.9	2.42	209.8	0	0	0
467 TP	32.4	109.2	134.9	2.34	17.79	0.009	0.032	0.07	11.21	9.24	9.7	97.29	1	0.014	50	12.99	2.4	209.8	0	0	0
468 TP	32.4	133.4	133.8	2.34	17.79	0.009	0.041	0.07	11.19	9.23	9.72	97.22	1	0.013	48.4	12.17	2.48	209.9	0	0	0
469 TP	32.4	279	132.8	2.34	17.76	0.005	0.087	0.07	11.47	9.46	9.27	96.63	1	0.013	47.4	11.53	3.08	210.1	0	0	0
470 TP	32.4	934.8	133	2.33	17.77	0.006	0.19	0.08	13.03	10.77	7.31	99.81	1	0.013	47.4	10.04	9.62	210.1	0	0	0
471 TP	32.4	739.8	133.2	2.32	17.77	0.007	0.335	0.1	16.54	13.73	4.92	95.28	1	0.013	47.6	7.87	12.39	210.2	0	0	0
472 TP	32.4	814.6	131.1	2.33	17.67	0.009	0.473	0.13	21.29	17.63	3.41	94.44	1	0.013	47.8	6.13	10.14	210.2	0	0	0
473 TP	32.4	813.9	130.1	2.41	17.09	0.011	0.554	0.19	29.83	20.66	2.74	88.96	1	0.013	47.8	9.06	7.49	210.2	0	0	0
474 TP	32.4	783	136.7	2.82	15.97	0.011	0.553	0.15	30.17	20.66	2.74	73.86	1	0.013	47.9	4.36	5.93	210.3	0	0	0
475 TP	32.4	747.1	227.3	3.56	14.71	0.01	0.499	0.23	34.44	18.64	3.14	97.28	1	0.013	47.9	3.89	9.14	210.3	0	0	0
476 TP	32.3	720.4	493.4	4.4	13.68	0.009	0.399	0.45	38.26	16.79	3.62	46.2	1	0.013	48	3.49	4.81	210.4	0	0	0
477 TP	32.4	702.2	827	9.09	12.93	0.008	0.363	0.7	41.31	19.66	3.99	39.92	1	0.013	48	3.24	4.7	210.4	0	0	0
478 TP	32.3	688.9	***	9.62	12.36	0.008	0.341	0.89	43.66	19	4.29	36.15	1	0.013	48.1	3.07	4.77	210.9	0	0	0
479 TP	32.4	672.7	*****	6.03	11.91	0.008	0.323	0.98	49.92	14.97	4.44	33.66	1	0.013	48.1	2.99	4.64	210.9	0	0	0
480 TP	32.3	696.8	****	6.37	11.93	0.008	0.308	1	46.99	14.23	4.99	31.83	1	0.013	48.1	2.87	4.59	210.7	0	0	0
481 TP	32.3	646.8	***	6.66	11.22	0.007	0.298	1	48.18	13.96	4.72	30.46	1	0.013	48.2	2.8	4.47	210.8	0	0	0
482 TP	32.3	640.8	****	6.9	10.96	0.007	0.291	1	49.2	13.77	4.83	29.39	1	0.013	48.2	2.74	4.4	210.7	0	0	0
483 TP	32.3	639	**	7.1	10.73	0.007	0.287	1	50.08	13.61	4.91	28.53	1	0.013	48.2	2.7	4.37	210.9	0	0	0
484 TP	32.3	632.4	****	7.27	10.54	0.007	0.281	0.99	50.79	13.47	4.99	27.85	1	0.013	48.3	2.66	4.3	210.9	0	0	0
485 TP	32.4	629.9	**	7.43	10.37	0.007	0.275	0.99	51.37	13.39	9.06	27.26	1	0.013	48.3	2.63	4.18	210.9	0	0	0
486 TP	32.4	621	****	7.99	10.23	0.007	0.271	0.99	51.86	13.29	9.11	26.79	1	0.013	48.3	2.61	4.13	211	0	0	0
487 TP	32.4	614.2	***	7.66	10.1	0.007	0.266	0.99	52.24	13.16	9.17	26.4	1	0.013	48.3	2.59	4.18	211	0	0	0
488 TP	32.4	609.3	***	7.76	9.99	0.007	0.261	0.99	52.61	13.09	5.21	26.06	1	0.013	48.6	2.99	4.39	211.1	0	0	0
489 TP	32.4	992.9	*****	7.84	9.9	0.007	0.299	0.98	52.89	13.09	9.24	29.79	1	0.014	48.9	2.99	4.35	211.1	0	0	0
490 TP	32.4	975.2	****	7.91	9.81	0.007	0.247	1	53.31	13	9.27	25.99	1	0.014	49.1	2.98	4.34	211.1	0	0	0
491 TP	32.4	962.7	***	7.97	9.74	0.007	0.241	1.01	53.99	12.97	9.29	29.35	1	0.014	49.3	2.98	4.31	211.1	0	0	0
492 TP	32.4	949.2	*****	8.02	9.69	0.007	0.234	1.01	53.8	12.94	9.31	25.19	1	0.014	49.9	2.98	4.2	211.2	0	0	0

493 TP	32.4	537.9	****	8.07	9.69	0.007	0.229	1.02	54.04	12.93	9.31	29.07	1	0.014	49.7	2.98	4.41	211.1	0	0	0
494 TP	32.4	922.9	**	8.09	9.63	0.007	0.223	1.01	54.21	12.93	9.31	29.01	1	0.014	49.9	2.59	4.44	211.1	0	0	0
495 TP	32.4	604.6	****	8.11	9.63	0.007	0.216	1.02	54.61	13	9.33	24.98	1	0.014	50	2.57	4.31	211.1	0	0	0
496 TP	32.5	484.6	****	8.11	9.63	0.007	0.205	1	53.87	12.81	9.39	24.98	1	0.014	50	2.61	4.16	211.1	0	0	0
497 TP	32.9	467	***	8.11	9.64	0.007	0.199	0.98	53.21	12.66	9.49	25.01	1	0.014	50	2.64	3.96	211.1	0	0	0
498 TP	32.4	498.8	*****	8.1	9.68	0.007	0.189	0.97	52.99	12.91	5.99	29.08	1	0.014	50.1	2.68	3.77	211.1	0	0	0
499 TP	32.5	449.2	*****	8.07	9.76	0.007	0.182	0.99	51.81	12.39	5.68	29.29	1	0.014	50	2.71	3.6	-211	0	0	0
500 TP	32.4	438.6	****	8.02	9.86	0.007	0.177	0.93	50.96	12.27	9.77	25.48	1	0.014	49.9	2.79	3.74	211.1	0	0	0
501 TP	32.9	435.5	*****	7.95	9.94	0.006	0.179	0.9	50.23	12.2	9.83	29.72	1	0.014	49.9	2.79	3.68	211.1	0	0	0
502 TP	32.4	433.2	*****	7.89	10.01	0.006	0.174	0.89	49.78	12.17	9.89	29.92	1	0.014	49.9	2.82	3.6	211.1	0	0	0
503 TP	32.4	428.9	***	7.84	10.1	0.006	0.172	0.82	49.49	12.18	9.89	26.16	1	0.014	49.9	2.84	3.74	211.3	0	0	0
504 TP	32.4	422	****	7.78	10.16	0.006	0.17	0.81	49.18	12.2	9.83	26.36	1	0.014	49.9	2.89	3.69	211.3	0	0	0
505 TP	32.4	417.7	***	7.73	10.2	0.006	0.168	0.78	48.99	12.22	5.81	26.9	1	0.014	49.8	2.86	3.69	211.3	0	0	0
506 TP	32.3	418	****	7.71	10.22	0.006	0.168	0.76	48.87	12.23	9.8	26.98	1	0.014	49.9	2.87	3.62	211.9	0	0	0
507 TP	32.3	413.1	**	7.7	10.29	0.006	0.167	0.76	48.86	12.29	9.79	26.65	1	0.014	49.9	2.87	3.69	211.9	0	0	0
509 TP	32.3	410.9	***	7.68	10.27	0.006	0.166	0.76	48.87	12.28	5.76	26.71	1.1	0.019	49.9	3.16	3.74	211.8	0	0	0
509 TP	32.3	410.2	****	7.66	10.28	0.006	0.166	0.77	48.89	12.31	5.74	26.77	0.9	0.012	49.9	2.58	3.81	212	0	0	0
510 TP	32.3	407.6	*****	7.69	10.29	0.006	0.166	0.77	48.9	12.33	5.73	26.79	1	0.014	49.9	2.87	3.72	212.2	0	0	0
511 TP	32.3	410.8	***	7.69	10.29	0.006	0.167	0.77	48.86	12.33	5.73	26.8	1	0.014	49.9	2.87	3.73	212.3	0	0	0
512 TP	32.3	405.5	*****	7.69	10.29	0.006	0.165	0.78	48.82	12.31	9.74	26.81	1	0.014	49.9	2.87	3.76	212.9	0	0	0
513 TP	32.3	404.8	***	7.69	10.3	0.006	0.164	0.78	48.73	12.3	9.79	26.82	1	0.014	49.9	2.88	3.84	212.6	0	0	0
514 TP	32.3	404.1	*****	7.64	10.31	0.006	0.164	0.79	48.63	12.28	9.76	26.89	1	0.014	49.9	2.88	3.79	212.9	0	0	0
515 TP	32.3	405	***	7.63	10.32	0.006	0.164	0.78	48.57	12.28	9.76	26.88	1	0.014	49.8	2.89	3.79	213	0	0	0
517 TP	32.3	405.2	****	7.62	10.34	0.006	0.164	0.79	48.51	12.28	9.76	26.92	1.1	0.019	49.8	3.18	3.92	213.1	0	0	0
517 TP	32.4	407.6	****	7.62	10.39	0.006	0.165	0.79	48.44	12.27	9.77	26.95	0.9	0.012	49.8	2.6	3.81	213.3	0	0	0
518 TP	32.4	406.6	*****	7.61	10.36	0.006	0.164	0.78	48.38	12.27	9.77	26.99	1	0.014	49.8	2.9	3.79	213.5	0	0	0
519 TP	32.4	409.1	***	7.6	10.37	0.006	0.169	0.78	48.3	12.27	9.77	27.02	1	0.014	49.8	2.9	3.83	213.7	0	0	0
520 TP	32.4	410.9	****	7.59	10.38	0.006	0.166	0.77	48.26	12.27	5.77	27.04	1	0.014	49.8	2.9	3.91	213.9	0	0	0
521 TP	32.4	329.9	*****	7.99	10.38	0.007	0.133	0.77	48.31	12.29	9.76	27.1	1	0.014	49.8	2.9	4.01	214.1	0	0	0
522 TP	32.4	410.1	*****	7.99	10.38	0.007	0.166	0.78	48.39	12.31	9.74	27.06	1	0.014	49.8	2.9	3.98	214.3	0	0	0
523 TP	32.4	408.7	*****	7.59	10.37	0.007	0.166	0.78	48.43	12.32	9.73	27.05	1	0.014	49.9	2.89	4	214.4	0	0	0
524 TP	32.4	409.8	****	7.99	10.37	0.007	0.166	0.78	48.46	12.32	9.73	27.03	1	0.014	49.9	2.89	3.99	214.6	0	0	0
525 TP	32.4	330.7	***	7.6	10.39	0.007	0.134	0.78	48.45	12.31	9.74	27.04	1	0.014	49.8	2.9	4.06	214.7	0	0	0
526 TP	32.4	413.4	****	7.61	10.34	0.006	0.167	0.79	48.38	12.28	9.76	26.97	1	0.014	49.8	2.89	4.19	214.8	0	0	0
527 TP	32.4	410.7	*****	7.61	10.34	0.006	0.166	0.79	48.29	12.24	9.79	26.99	1	0.014	49.8	2.9	4.19	214.9	0	0	0
528 TP	32.4	406.2	*****	7.61	10.34	0.006	0.164	0.79	48.23	12.22	5.8	26.95	1	0.014	49.8	2.9	4.04	219	0	0	0
529 TP	32.4	404	*****	7.61	10.36	0.006	0.163	0.8	48.19	12.22	9.81	26.97	1	0.014	49.8	2.9	4.04	219.1	0	0	0
530 TP	32.4	403.5	*****	7.6	10.37	0.006	0.163	0.8	48.17	12.23	9.8	27.01	1	0.014	49.8	2.9	4.06	219.1	0	0	0
531 TP	32.4	401.7	****	7.59	10.38	0.006	0.162	0.79	48.19	12.29	9.78	27.09	1	0.014	49.8	2.91	4.02	219.1	0	0	0
532 TP	32.4	397.9	*****	7.99	10.38	0.006	0.161	0.79	48.22	12.26	9.77	27.07	1	0.014	49.8	2.91	4.39	215.1	0	0	0
533 TP	32.4	399.6	*****	7.58	10.39	0.007	0.16	0.79	48.26	12.29	9.75	27.1	1	0.014	49.8	2.9	4.28	215	0	0	0
534 TP	32.4	393.3	****	7.98	10.39	0.007	0.16	0.79	48.36	12.31	9.73	27.1	1	0.014	49.8	2.9	4.13	219	0	0	0
535 TP	32.4	386.9	*****	7.98	10.4	0.007	0.197	0.79	48.9	12.39	9.7	27.11	1	0.014	49.9	2.89	4.17	219	0	0	0
536 TP	32.4	384.4	****	7.97	10.4	0.007	0.197	0.8	48.66	12.4	9.67	27.13	1	0.014	49.9	2.88	4.24	215	0	0	0
537 TP	32.4	380.9	*****	7.97	10.4	0.007	0.196	0.8	48.73	12.42	9.69	27.13	1	0.014	49.9	2.88	4.16	219	0	0	0
539 TP	32.4	376.9	*****	7.97	10.4	0.007	0.194	0.8	48.76	12.43	9.65	27.13	1.1	0.019	49.9	3.17	4.14	219.1	0	0	0
539 TP	32.4	372.2	***	7.98	10.4	0.007	0.192	0.8	48.74	12.41	9.69	27.13	0.9	0.012	49.9	2.6	4.12	215.2	0	0	0
540 TP	32.3	371.2	****	7.97	10.41	0.007	0.192	0.81	48.69	12.41	9.66	27.14	1	0.014	49.9	2.89	4.19	215.3	0	0	0
541 TP	32.4	371.9	****	7.97	10.42	0.007	0.192	0.81	48.69	12.41	9.66	27.17	1	0.014	50	2.89	4.22	219.3	0	0	0
542 TP	32.3	370.2	*****	7.56	10.43	0.007	0.192	0.82	48.67	12.42	5.65	27.2	1	0.014	50	2.89	4.21	215.5	0	0	0
543 TP	32.3	367.8	****	7.99	10.44	0.007	0.191	0.82	48.66	12.43	9.64	27.23	1	0.014	50	2.89	4.09	219.7	0	0	0
544 TP	32.3	368.2	***	7.94	10.49	0.007	0.151	0.81	48.59	12.43	9.64	27.27	1	0.014	50	2.9	4.11	219.8	0	0	0
545 TP	32.4	367.9	*****	7.94	10.46	0.007	0.151	0.81	48.93	12.43	9.64	27.3	1	0.014	50	2.9	4.26	219.9	0	0	0
546 TP	32.4	362.7	*****	7.93	10.47	0.007	0.148	0.8	48.46	12.41	9.69	27.32	1	0.014	50	2.9	4.22	216.1	0	0	0
547 TP	32.4	397.9	****	7.92	10.48	0.007	0.146	0.8	48.34	12.4	9.66	27.39	1	0.014	50	2.91	4.11	216.2	0	0	0
548 TP	32.4	399.4	*****	7.92	10.49	0.007	0.149	0.8	48.29	12.38	5.68	27.38	1	0.014	50	2.92	4.17	216.4	0	0	0
549 TP	32.4	394.1	****	7.91	10.49	0.007	0.144	0.79	48.11	12.36	9.69	27.41	1	0.014	49.9	2.92	4.24	216.6	0	0	0
550 TP	32.4	392.8	****	7.91	10.9	0.007	0.143	0.79	47.94	12.32	9.72	27.43	1	0.014	49.9	2.93	4.39	216.8	0	0	0
552 TP	32.4	398.1	***	7.9	10.92	0.007	0.149	0.79	47.77	12.3	5.74	27.47	1.1	0.019	49.9	3.23	4.44	217	0	0	0
552 TP	32.4	361	*****	7.49	10.93	0.006	0.146	0.79	47.63	12.27	5.76	27.91	0.9	0.012	49.8	2.69	4.41	217.2	0	0	0
553 TP	32.4	369.3	***	7.48	10.99	0.006	0.148	0.78	47.5	12.26	9.77	27.96	1	0.014	49.7	2.99	4.26	217.4	0	0	0
554 TP	32.4	373.3	****	7.46	10.96	0.006	0.151	0.78	47.39	12.29	9.77	27.6	1	0.014	49.7	2.99	4.33	217.6	0	0	0
555 TP	32.9	378.8	*****	7.49	10.97	0.006	0.193	0.77	47.33	12.29	9.77	27.64	1	0.014	49.7	2.99	4.38	217.8	0	0	0
556 TP	32.9	383.4	****	7.49	10.98	0.006	0.199	0.77	47.33	12.26	9.77	27.69	1	0.014	49.7	2.99	4.99	217.9	0	0	0
557 TP	32.9	388.8	***	7.49	10.58	0.007	0.157	0.77	47.36	12.28	9.79	27.67	1	0.014	49.7	2.99	4.97	218.1	0	0	0
558 TP	32.4	392.2	****	7.49	10.97	0.007	0.199	0.78	47.48	12.31	9.73	27.69	1	0.014	49.7	2.94	4.49	218.2	0	0	0
559 TP	32.4	394.2	*****	7.49	10.99	0.007	0.16	0.77	47.67	12.39	9.7	27.61	1	0.014	49.7	2.93	4.38	218.3	0	0	0
560 TP	32.4	393.6	*****	7.47	10.93	0.007	0.161	0.77	47.89	12.38	5.68	27.53	1	0.014	49.8	2.92	4.44	218.9	0	0	0
561 TP	32.9	392	***	7.48	10.9	0.007	0.16	0.79	48.12	12.41	9.69	27.46	1	0.014	49.8	2.91	4.38	218.6	0	0	0
562 TP	32.4	391.9	***	7.5	10.48	0.007	0.161	0.8	48.39	12.44	5.63	27.39	1	0.014	49.9	2.9	4.42	218.8	0	0	0
563 TP	32.4	392.4	**	7.92	10.45	0.007	0.161	0.81	48.6	12.48	9.6	27.31	1	0.014	49.9	2.89	4.91	218.8	0	0	0
564 TP	32.4	388.5	*****	7.54	10.42	0.007	0.16	0.82	48.89	12.9	9.98	27.23	1	0.014	50	2.88	4.49	218.9	0	0	0

565	TP	32.4	385	****	7.96	10.4	0.007	0.199	0.84	49.06	12.93	9.97	27.19	1	0.014	50	2.87	4.5	218.9	0	0	0
566	TP	32.4	383.1	****	7.97	10.38	0.007	0.158	0.89	49.22	12.94	5.96	27.09	1	0.014	50	2.86	4.6	218.9	0	0	0
568	TP	32.3	374.9	****	7.59	10.37	0.007	0.155	0.89	49.29	12.94	9.96	27.06	1.1	0.019	50	3.14	4.71	218.9	0	0	0
568	TP	32.3	362.2	****	7.99	10.37	0.007	0.149	0.89	49.14	12.49	9.99	27.04	0.9	0.012	50	2.98	4.77	219	0	0	0
570	TP	32.3	397.2	*****	7.6	10.37	0.007	0.146	0.89	48.8	12.4	9.66	27.09	1.1	0.019	50	3.17	4.54	219	0	0	0
570	TP	32.3	352.8	****	7.99	10.39	0.007	0.143	0.89	48.48	12.33	9.71	27.08	0.9	0.012	49.9	2.61	4.96	219	0	0	0
571	TP	32.3	349.8	***	7.58	10.43	0.006	0.142	0.84	48.27	12.29	5.74	27.16	1	0.014	49.9	2.91	4.99	218.9	0	0	0
972	TP	32.4	394.8	****	7.59	10.48	0.006	0.144	0.83	48.11	12.3	9.74	27.31	1	0.014	49.9	2.92	4.62	219	0	0	0
573	TP	32.4	398.3	*****	7.91	10.92	0.007	0.146	0.82	47.97	12.32	9.71	27.44	1	0.014	49.9	2.93	4.63	219	0	0	0
574	TP	32.3	362	*****	7.48	10.94	0.007	0.147	0.8	47.91	12.39	9.69	27.93	1.1	0.019	49.9	3.22	4.56	219	0	0	0
575	TP	32.3	363.3	***	7.47	10.99	0.007	0.148	0.78	47.87	12.36	9.69	27.97	0.9	0.012	49.9	2.64	4.64	219.1	0	0	0
576	TP	32.4	360.4	*****	7.47	10.99	0.007	0.147	0.78	47.88	12.38	9.67	27.99	1	0.014	49.9	2.93	4.67	219.2	0	0	0
577	TP	32.4	399.4	*****	7.46	10.96	0.007	0.149	0.79	47.94	12.4	9.66	27.6	1	0.014	49.8	2.93	4.7	219.4	0	0	0
579	TP	32.4	396.7	*****	7.46	10.99	0.007	0.146	0.79	47.98	12.41	9.69	27.6	1.1	0.019	49.8	3.22	4.66	219.5	0	0	0
579	TP	32.4	355.2	***	7.46	10.55	0.007	0.145	0.79	48.04	12.42	5.64	27.6	0.9	0.012	49.9	2.63	4.65	219.6	0	0	0

Total test time = 12:91

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Test #: 1050 SS - 5 speed
Date: 5/9/94

Test cycle results

CO (g/mi) =	1.33
CO2 (g/mi) =	398.70
NOx (g/mi) =	5.87

Time	CO (ppm)	CO2 (%)	NOx (ppm)	FT_INL1	FT_INL2	Temp	Eng. RPM	Inlet mass flow (scfm)	Exhaust mass flow (scfm)	Veh Speed (mph)	CO cum (g)	NOx cum (g)	CO2 cum (g)	miles
07:25:25	68.86	1.79	133.33	98.90	65.93	70.52	726.10							
07:25:26	68.86	1.79	133.82	97.68	64.71	69.79	726.10							
07:25:27	68.86	1.78	133.33	98.90	64.71	70.52	724.58							
07:25:28	68.86	1.78	133.82	100.12	70.82	69.55	725.59	12.9041	13.2199	0.0000	0.0005	0.0016	0.2034	0.0000
07:25:29	68.74	1.78	133.82	98.90	74.48	70.76	728.14	12.7448	13.0567	0.0000	0.0010	0.0032	0.4042	0.0000
07:25:30	68.74	1.78	133.82	98.90	74.48	70.76	728.14	12.9041	13.2178	0.0000	0.0015	0.0047	0.6062	0.0000
07:25:31	67.89	1.79	133.33	100.12	74.48	70.04	725.59	13.0634	13.3810	0.1131	0.0020	0.0064	0.8107	0.0000
07:25:32	67.89	1.79	133.33	100.12	70.82	69.31	727.12	12.9041	13.2178	0.1131	0.0025	0.0079	1.0127	0.0001
07:25:33	67.89	1.79	133.33	100.12	69.60	70.52	727.12	12.9041	13.2178	0.1131	0.0030	0.0095	1.2147	0.0001
07:25:34	67.89	1.79	133.33	100.12	69.60	70.76	727.12	13.0634	13.3831	0.1131	0.0035	0.0111	1.4206	0.0001
07:25:35	67.89	1.77	133.33	100.12	64.71	70.76	729.15	13.0634	13.3831	0.1131	0.0040	0.0127	1.6264	0.0002
07:25:36	67.89	1.77	133.82	98.90	63.49	69.79	726.61	13.0634	13.3831	0.1131	0.0045	0.0143	1.8323	0.0002
07:25:37	67.89	1.77	133.33	98.90	63.49	70.76	726.61	13.0634	13.3831	0.1131	0.0050	0.0160	2.0382	0.0002
07:25:38	67.89	1.78	133.33	98.90	62.27	70.76	726.61	13.0634	13.3803	0.0000	0.0055	0.0176	2.2422	0.0002
07:25:39	67.89	1.77	131.87	98.90	64.71	69.79	725.59	12.9041	13.2171	0.0000	0.0060	0.0191	2.4438	0.0002
07:25:40	67.89	1.77	132.36	100.12	65.93	70.76	724.07	12.9041	13.2171	0.0000	0.0065	0.0207	2.6453	0.0002
07:25:41	65.32	1.77	131.87	101.34	64.71	69.55	725.59	12.9041	13.2192	0.1131	0.0069	0.0223	2.8482	0.0003
07:25:42	65.32	1.78	132.36	100.12	63.49	70.76	727.63	12.9041	13.2171	0.0000	0.0074	0.0239	3.0498	0.0003
07:25:43	65.32	1.78	131.87	98.90	62.27	70.52	727.63	13.0634	13.3803	0.1131	0.0079	0.0255	3.2538	0.0003
07:25:44	65.45	1.78	131.87	98.90	62.27	70.52	727.63	13.2227	13.5434	0.1131	0.0084	0.0271	3.4603	0.0003
07:25:45	65.32	1.78	132.36	96.46	59.83	69.79	727.12	13.0634	13.3823	0.0000	0.0089	0.0287	3.6657	0.0003
07:25:46	65.32	1.78	131.87	96.46	59.83	69.79	727.12	12.9041	13.2191	0.1131	0.0094	0.0302	3.8686	0.0003
07:25:47	65.32	1.78	131.87	94.02	58.61	70.52	726.10	12.9041	13.2191	0.1131	0.0098	0.0318	4.0715	0.0004
07:25:48	65.32	1.77	131.87	94.02	57.39	70.52	727.63	12.5855	12.8927	0.1131	0.0103	0.0333	4.2694	0.0004
07:25:49	65.32	1.77	131.87	94.02	57.39	70.52	727.63	12.5855	12.8927	0.1131	0.0108	0.0349	4.4673	0.0004
07:25:50	65.32	1.77	131.87	94.02	58.61	70.52	725.59	12.2669	12.5663	0.1131	0.0112	0.0364	4.6602	0.0005
07:25:51	65.32	1.77	131.87	94.02	58.61	70.52	725.59	12.2669	12.5643	0.1131	0.0117	0.0379	4.8518	0.0005
07:25:52	60.44	1.78	131.87	94.02	59.83	70.28	727.12	12.2669	12.5643	0.1131	0.0121	0.0393	5.0434	0.0005
07:25:53	60.44	1.77	131.87	95.24	59.83	69.79	725.59	12.2669	12.5643	0.1131	0.0126	0.0408	5.2350	0.0006
07:25:54	60.44	1.77	132.36	94.02	58.61	69.79	725.59	12.2669	12.5643	0.1131	0.0130	0.0423	5.4266	0.0006
07:25:55	60.44	1.77	132.36	92.80	57.39	70.28	726.10	12.2669	12.5662	0.1131	0.0134	0.0438	5.6195	0.0006
07:25:56	60.44	1.77	131.87	92.80	57.39	70.28	726.10	12.4262	12.7274	0.1131	0.0139	0.0453	5.8135	0.0007
07:25:57	60.44	1.77	131.87	92.80	56.17	70.52	726.61	12.2669	12.5642	0.1131	0.0143	0.0468	6.0051	0.0007
07:25:58	60.44	1.78	131.87	94.02	57.39	70.04	726.61	12.1076	12.4010	0.1131	0.0147	0.0483	6.1942	0.0007
07:25:59	60.44	1.78	132.36	95.24	57.39	70.04	726.61	12.1076	12.4010	0.1131	0.0151	0.0498	6.3833	0.0008
07:26:00	60.44	1.78	132.36	95.24	56.17	70.04	726.61	12.1076	12.4010	0.1131	0.0155	0.0512	6.5724	0.0008
07:26:01	66.91	1.77	132.36	95.24	56.17	69.31	728.14	12.2669	12.5662	0.1131	0.0159	0.0527	6.7653	0.0008
07:26:02	66.91	1.77	131.87	94.02	56.17	69.55	726.61	12.4262	12.7294	0.1131	0.0163	0.0542	6.9607	0.0008
07:26:03	66.91	1.77	131.87	94.02	56.17	69.55	728.64	12.4262	12.7294	0.1131	0.0168	0.0558	7.1561	0.0009
07:26:04	66.79	1.78	131.87	94.02	56.17	70.28	724.07	12.4262	12.7275	0.1131	0.0172	0.0573	7.3502	0.0009
07:26:05	66.79	1.78	131.87	94.02	56.17	70.28	724.07	12.2669	12.5644	0.1131	0.0177	0.0588	7.5417	0.0009
07:26:06	66.91	1.78	131.87	95.24	61.05	69.55	724.58	12.2669	12.5644	0.1131	0.0181	0.0603	7.7333	0.0010
07:26:07	66.91	1.78	131.87	95.24	61.05	69.55	724.58	12.2669	12.5663	0.0000	0.0186	0.0617	7.9262	0.0010
07:26:08	66.91	1.78	131.87	97.68	64.71	70.28	728.64	12.2669	12.5663	0.0000	0.0191	0.0632	8.1191	0.0010
07:26:09	66.91	1.78	131.38	102.56	72.04	70.28	727.63	12.4262	12.7295	0.1131	0.0195	0.0647	8.3145	0.0010
07:26:10	66.91	1.78	131.38	102.56	72.04	70.28	727.63	12.4262	12.7295	0.1131	0.0200	0.0663	8.5099	0.0010
07:26:11	68.25	1.78	131.87	98.90	64.71	69.79	726.10	12.7448	13.0559	0.0000	0.0205	0.0678	8.7103	0.0010
07:26:12	68.25	1.77	131.87	97.68	64.71	70.52	726.10	13.3820	13.7087	0.1131	0.0210	0.0694	8.9207	0.0011
07:26:13	68.25	1.77	131.87	97.68	64.71	70.52	726.10	13.3820	13.7087	0.1131	0.0215	0.0710	9.1311	0.0011
07:26:14	68.25	1.77	132.36	95.24	62.27	70.28	727.12	12.9041	13.2192	0.0000	0.0220	0.0726	9.3340	0.0011
07:26:15	68.25	1.77	131.87	95.24	63.49	70.52	726.10	12.7448	13.0539	0.1131	0.0225	0.0742	9.5331	0.0011
07:26:16	68.25	1.77	132.36	95.24	63.49	69.55	727.12	12.7448	13.0539	0.1131	0.0229	0.0757	9.7322	0.0012
07:26:17	68.25	1.77	131.87	95.24	63.49	70.52	727.12	12.4262	12.7276	0.1131	0.0234	0.0772	9.9262	0.0012
07:26:18	68.25	1.77	131.87	94.02	62.27	70.28	727.12	12.4262	12.7276	0.1131	0.0239	0.0787	10.1203	0.0012
07:26:19	68.25	1.77	131.87	95.24	59.83	70.52	724.58	12.4262	12.7276	0.0000	0.0244	0.0802	10.3144	0.0012
07:26:20	68.25	1.77	131.87	95.24	59.83	70.28	726.61	12.4262	12.7276	0.1131	0.0249	0.0818	10.5085	0.0013
07:26:21	68.25	1.77	131.87	95.24	59.83	70.28	726.61	12.2669	12.5644	0.1131	0.0253	0.0832	10.7001	0.0013
07:26:22	57.26	1.78	131.87	95.24	59.83	70.28	726.61	12.4262	12.7276	0.1131	0.0258	0.0848	10.8941	0.0013
07:26:23	57.26	1.78	131.87	95.24	58.61	69.55	726.61	12.4262	12.7276	0.1131	0.0263	0.0863	11.0882	0.0014
07:26:24	57.26	1.78	131.87	95.24	58.61	69.55	726.61	12.4262	12.7276	0.1131	0.0267	0.0878	11.2823	0.0014

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			

07:26:25	57.26	1.78	131.87	95.24	57.39	70.28	727.12	12.4262	12.7293	0.0000	0.0271	0.0893	11.4777	0.0014
07:26:26	57.26	1.78	131.87	95.24	58.61	70.28	727.12	12.4262	12.7293	0.0000	0.0275	0.0908	11.6731	0.0014
07:26:27	57.39	1.78	132.36	94.02	59.83	69.55	727.12	12.4262	12.7293	0.1131	0.0279	0.0923	11.8685	0.0014
07:26:28	57.26	1.78	131.87	94.02	58.61	69.79	727.12	12.4262	12.7293	0.1131	0.0283	0.0938	12.0639	0.0014
07:26:29	57.26	1.78	131.87	94.02	57.39	69.55	725.08	12.4262	12.7293	0.1131	0.0287	0.0953	12.2592	0.0015
07:26:30	57.26	1.78	131.87	94.02	57.39	69.31	726.61	12.2669	12.5661	0.1131	0.0291	0.0968	12.4521	0.0015
07:26:31	70.94	1.78	131.87	94.02	57.39	69.31	726.61	12.2669	12.5661	0.1131	0.0295	0.0983	12.6450	0.0015
07:26:32	70.82	1.78	131.87	95.24	58.61	70.28	724.07	12.2669	12.5661	0.1131	0.0299	0.0998	12.8379	0.0016
07:26:33	70.82	1.78	131.87	95.24	59.83	69.55	725.59	12.2669	12.5661	0.1131	0.0303	0.1013	13.0308	0.0016
07:26:34	70.94	1.78	131.87	95.24	59.83	70.52	726.61	12.2669	12.5664	0.1131	0.0308	0.1028	13.2237	0.0016
07:26:35	70.82	1.78	131.87	95.24	58.61	70.28	725.59	12.4262	12.7296	0.0000	0.0313	0.1043	13.4191	0.0016
07:26:36	70.82	1.78	132.36	95.24	58.61	70.04	725.59	12.4262	12.7296	0.1131	0.0318	0.1058	13.6144	0.0017
07:26:37	70.82	1.78	131.87	95.24	58.61	69.55	726.61	12.4262	12.7296	0.1131	0.0323	0.1073	13.8098	0.0017
07:26:38	70.82	1.78	131.87	95.24	58.61	69.55	726.61	12.4262	12.7296	0.0000	0.0328	0.1088	14.0052	0.0017
07:26:39	70.82	1.78	133.82	95.24	59.83	69.55	727.63	12.4262	12.7296	0.1131	0.0333	0.1103	14.2006	0.0017
07:26:40	70.82	1.78	133.33	95.24	59.83	70.04	726.61	12.4262	12.7296	0.0000	0.0338	0.1118	14.3960	0.0017
07:26:41	69.84	1.78	133.33	95.24	59.83	70.28	724.58	12.4262	12.7296	0.0000	0.0343	0.1134	14.5914	0.0017
07:26:42	69.84	1.78	133.33	95.24	58.61	70.04	729.15	12.4262	12.7296	0.0000	0.0348	0.1149	14.7868	0.0017
07:26:43	69.84	1.78	133.33	95.24	58.61	69.79	727.63	12.4262	12.7296	0.0000	0.0353	0.1164	14.9822	0.0017
07:26:44	69.84	1.78	133.33	95.24	58.61	69.79	727.63	12.4262	12.7296	0.1131	0.0357	0.1179	15.1776	0.0018
07:26:45	69.84	1.78	133.33	95.24	58.61	69.07	727.63	12.4262	12.7296	0.1131	0.0362	0.1195	15.3730	0.0018
07:26:46	69.84	1.78	133.82	96.46	58.61	69.31	727.63	12.4262	12.7296	0.1131	0.0367	0.1210	15.5684	0.0018
07:26:47	69.84	1.78	133.82	95.24	61.05	70.28	729.66	12.4262	12.7296	0.1131	0.0372	0.1225	15.7638	0.0019
07:26:48	69.84	1.78	133.33	95.24	61.05	70.28	677.29	12.4262	12.7296	0.0000	0.0377	0.1240	15.9592	0.0019
07:26:49	69.84	1.78	133.82	95.24	58.61	70.52	673.73	12.5855	12.8928	0.1131	0.0382	0.1256	16.1571	0.0019
07:26:50	69.84	1.78	133.82	94.02	58.61	70.52	674.75	12.4262	12.7296	0.1131	0.0387	0.1271	16.3525	0.0019
07:26:51	69.84	1.78	133.82	94.02	58.61	69.55	819.66	12.4262	12.7296	0.1131	0.0392	0.1287	16.5478	0.0019
07:26:52	67.40	1.78	133.82	96.46	61.05	69.55	1,040.85	12.4262	12.7296	0.1131	0.0396	0.1302	16.7432	0.0020
07:26:53	67.40	1.78	133.33	133.09	76.92	70.52	1,348.98	12.2669	12.5664	0.3392	0.0401	0.1317	16.9361	0.0021
07:26:54	67.40	1.78	133.82	133.09	76.92	70.52	1,348.98	12.2669	12.5664	2.2616	0.0406	0.1332	17.1290	0.0027
07:26:55	67.40	1.78	133.82	173.38	86.69	69.55	1,479.15	12.5855	12.8927	3.8447	0.0411	0.1348	17.3269	0.0038
07:26:56	67.40	1.78	133.82	268.62	125.76	69.31	1,245.76	17.3648	17.7887	7.5764	0.0417	0.1369	17.6000	0.0059
07:26:57	67.40	1.78	133.33	269.84	133.09	70.28	1,064.24	17.3648	17.7887	7.5764	0.0424	0.1390	17.8730	0.0080
07:26:58	67.40	1.78	133.33	233.21	120.88	70.04	1,240.17	22.6220	23.1743	9.0465	0.0432	0.1418	18.2287	0.0105
07:26:59	67.40	1.78	133.82	224.66	113.55	70.04	1,338.31	35.0482	35.9038	9.6119	0.0446	0.1461	18.7798	0.0132
07:27:00	67.40	1.78	133.33	229.55	116.00	70.52	1,401.36	35.2075	36.0670	8.1418	0.0459	0.1505	19.3334	0.0154
07:27:01	67.89	1.78	133.33	268.62	136.75	70.28	1,326.10	30.4282	31.1711	9.1596	0.0470	0.1542	19.8119	0.0180
07:27:02	67.89	1.78	133.33	261.29	140.42	70.28	1,326.10	29.3131	30.0287	9.8380	0.0482	0.1578	20.2728	0.0207
07:27:03	67.89	1.78	133.33	261.29	140.42	69.55	1,284.41	29.9503	30.6815	10.2904	0.0493	0.1615	20.7438	0.0236
07:27:04	67.89	1.78	133.82	249.08	134.31	70.04	1,308.31	35.0482	35.9039	10.5165	0.0506	0.1658	21.2949	0.0265
07:27:05	67.89	1.78	133.33	244.20	131.87	70.28	1,314.92	34.0924	34.9247	10.5165	0.0519	0.1700	21.8309	0.0294
07:27:06	67.89	1.80	133.82	240.54	126.98	70.04	1,316.44	34.0924	34.9247	10.0642	0.0532	0.1742	22.3670	0.0322
07:27:07	67.89	1.80	133.33	238.10	129.43	70.04	1,319.49	32.4993	33.2927	10.1773	0.0545	0.1782	22.8780	0.0350
07:27:08	67.89	1.78	133.82	236.87	130.65	69.31	1,324.58	31.8620	32.6399	10.2904	0.0557	0.1821	23.3790	0.0379
07:27:09	67.89	1.78	133.82	236.87	130.65	69.55	1,327.12	31.3841	32.1553	10.2904	0.0569	0.1860	23.8759	0.0407
07:27:10	67.89	1.78	133.82	240.54	137.97	69.55	1,334.75	31.0655	31.8289	10.1773	0.0580	0.1898	24.3676	0.0436
07:27:11	79.85	1.78	133.33	246.64	139.19	70.04	1,339.83	30.9062	31.6607	10.2904	0.0592	0.1936	24.8536	0.0464
07:27:12	79.85	1.78	133.33	246.64	139.19	70.04	1,339.83	30.9062	31.6607	10.2904	0.0604	0.1974	25.3396	0.0493
07:27:13	79.85	1.80	133.33	244.20	148.96	70.28	1,307.29	31.3841	32.1503	10.4034	0.0616	0.2013	25.8331	0.0522
07:27:14	79.73	1.80	133.33	246.64	150.18	70.52	1,301.70	32.1806	32.9670	10.4034	0.0630	0.2052	26.3391	0.0551
07:27:15	79.85	1.81	133.82	245.42	148.96	70.52	1,301.70	32.1806	32.9670	10.4034	0.0645	0.2092	26.8451	0.0580
07:27:16	79.85	1.81	133.82	246.64	148.96	69.55	1,318.48	31.8620	32.6457	10.4034	0.0659	0.2131	27.3495	0.0608
07:27:17	79.85	1.81	133.82	246.64	147.74	70.28	1,326.10	32.1806	32.9722	10.1773	0.0673	0.2171	27.8589	0.0637
07:27:18	79.85	1.86	133.33	238.10	148.96	70.52	1,341.36	32.0213	32.8141	10.1773	0.0688	0.2210	28.3692	0.0665
07:27:19	79.85	1.86	133.33	238.10	145.30	70.28	1,336.27	32.1806	32.9774	10.2904	0.0702	0.2250	28.8820	0.0694
07:27:20	79.85	1.88	230.04	236.87	142.86	69.55	1,334.75	32.1806	32.9774	10.2904	0.0717	0.2289	29.3949	0.0722
07:27:21	152.99	1.94	230.52	233.21	140.42	70.28	1,334.75	31.0655	31.8579	10.4034	0.0731	0.2328	29.9053	0.0751
07:27:22	152.87	1.97	230.52	229.55	145.30	70.52	1,331.19	31.0655	31.8579	10.5165	0.0745	0.2366	30.4157	0.0780
07:27:23	152.87	2.03	230.52	229.55	147.74	70.52	1,319.49	30.9062	31.7028	10.4034	0.0758	0.2431	30.9289	0.0809
07:27:24	152.87	2.12	230.52	228.33	145.30	70.28	1,306.78	30.4282	31.2429	10.4034	0.0785	0.2496	31.4515	0.0838
07:27:25	152.87	2.27	230.52	227.11	141.64	70.52	1,304.75	29.9503	30.7634	10.4034	0.0810	0.2560	31.9733	0.0867
07:27:26	152.87	2.35	230.52	224.66	141.64	70.52	1,304.75	29.9503	30.7891	10.4034	0.0836	0.2624	32.5121	0.0896
07:27:27	152.87	2.42	230.52	218.56	131.87	69.55	1,301.19	29.7910	30.6606	10.2904	0.0862	0.2687	33.0713	0.0924
07:27:28	152.87	2.52	230.04	216.12	126.98	70.52	1,301.19	29.6317	30.5572	10.2904	0.0887	0.2751	33.6676	0.0953
07:27:29	152.99	2.57	326.25	217.34	126.98	70.28	1,308.81	29.3131	30.2617	10.2904	0.0913	0.2813	34.2795	0.0982
07:27:30	152.99	2.61	326.74	221.00	134.31	69.55	1,315.42	28.5165	29.4671	10.1773	0.0937	0.2875	34.8931	0.1010
07:27:31	183.39	2.70	326.74	225.89	140.42	70.52	1,317.97	28.1979	29.1758	10.1773	0.0962	0.2935	35.5251	0.1038

07:27:32	183.52	2.74	326.74	227.11	141.64	70.52	1,320.51	28.3572	29.3606	10.1773	0.0986	0.3021	36.1740	0.1066
07:27:33	183.52	2.79	326.25	228.33	144.08	70.52	1,321.53	28.8351	29.8710	10.2904	0.1011	0.3109	36.8442	0.1095
07:27:34	183.52	2.79	326.25	228.33	144.08	70.52	1,321.53	29.4724	30.5710	10.1773	0.1042	0.3199	37.5548	0.1123
07:27:35	183.52	2.89	326.25	234.43	153.85	69.55	1,316.44	29.6317	30.7523	10.2904	0.1073	0.3289	38.2799	0.1152
07:27:36	183.39	2.94	326.25	234.43	150.18	70.52	1,318.98	29.7910	30.9386	10.2904	0.1104	0.3380	39.0229	0.1180
07:27:37	183.39	2.99	326.74	233.21	145.30	70.52	1,321.53	29.7910	30.9386	10.2904	0.1135	0.3471	39.7658	0.1209
07:27:38	183.39	2.99	326.74	233.21	145.30	70.52	1,321.53	30.5875	31.8088	10.2904	0.1167	0.3564	40.5575	0.1238
07:27:39	183.52	3.03	326.74	235.65	145.30	70.52	1,322.54	30.5875	31.8304	10.1773	0.1199	0.3657	41.3636	0.1266
07:27:40	183.39	3.06	284.25	238.10	152.63	70.04	1,322.54	30.4282	31.6843	10.2904	0.1231	0.3750	42.1788	0.1294
07:27:41	193.53	3.12	284.25	246.64	166.06	69.55	1,327.12	30.4282	31.6843	10.2904	0.1263	0.3843	42.9940	0.1323
07:27:42	193.41	3.12	284.25	246.64	166.06	69.55	1,327.12	30.7469	32.0311	10.2904	0.1295	0.3938	43.8277	0.1352
07:27:43	193.41	3.13	284.25	255.19	173.38	69.79	1,326.10	31.0655	32.3782	10.2904	0.1327	0.4020	44.6803	0.1380
07:27:44	193.41	3.16	284.25	253.97	173.38	70.52	1,326.10	32.1806	33.5673	10.4034	0.1363	0.4106	45.5812	0.1409
07:27:45	193.53	3.16	284.25	247.86	167.28	69.79	1,328.64	32.1806	33.5673	10.4034	0.1398	0.4192	46.4820	0.1438
07:27:46	193.41	3.19	284.25	241.76	167.28	69.79	1,331.19	33.2958	34.7359	10.4034	0.1435	0.4281	47.4177	0.1467
07:27:47	193.41	3.21	284.74	242.98	173.38	69.79	1,329.15	33.1365	34.5841	10.4034	0.1472	0.4369	48.3586	0.1496
07:27:48	193.53	3.21	284.74	242.98	174.60	70.52	1,330.68	32.3400	33.7528	10.4034	0.1508	0.4455	49.2768	0.1525
07:27:49	193.41	3.22	284.25	241.76	170.94	69.79	1,329.66	31.5434	32.9334	10.4034	0.1542	0.4540	50.1806	0.1554
07:27:50	193.41	3.21	242.25	229.55	155.07	69.79	1,334.75	31.7027	33.1066	10.4034	0.1578	0.4624	51.0935	0.1583
07:27:51	196.95	3.21	242.25	228.33	151.40	70.28	1,334.75	31.7027	33.1066	10.4034	0.1613	0.4709	52.0064	0.1611
07:27:52	196.95	3.19	242.25	231.99	151.40	70.04	1,334.75	31.5434	32.9471	10.4034	0.1647	0.4793	52.9194	0.1640
07:27:53	196.95	3.20	242.25	239.32	152.63	70.04	1,331.70	29.9503	31.2782	10.4034	0.1681	0.4862	53.7829	0.1669
07:27:54	196.95	3.18	242.25	240.54	152.63	70.76	1,333.73	29.7910	31.1121	10.5165	0.1714	0.4929	54.6419	0.1698
07:27:55	196.95	3.18	242.25	244.20	152.63	70.76	1,333.73	30.2689	31.6030	10.4034	0.1748	0.4998	55.5091	0.1727
07:27:56	196.95	3.16	242.25	244.20	150.18	70.76	1,334.75	31.2248	32.6060	10.5165	0.1783	0.5069	56.4071	0.1757
07:27:57	196.95	3.16	242.25	244.20	150.18	70.76	1,334.75	31.3841	32.7622	10.4034	0.1819	0.5141	57.3029	0.1785
07:27:58	196.95	3.14	242.25	242.98	151.40	70.76	1,333.73	31.8620	33.2611	10.4034	0.1855	0.5213	58.2122	0.1814
07:27:59	196.95	3.12	222.22	240.54	158.73	70.28	1,332.20	31.8620	33.2524	10.4034	0.1890	0.5286	59.1158	0.1843
07:28:00	196.95	3.12	222.22	238.10	158.73	70.28	1,332.20	31.8620	33.2524	10.4034	0.1926	0.5358	60.0193	0.1872
07:28:01	196.95	3.12	222.22	238.10	155.07	70.04	1,332.20	31.7027	33.0793	10.4034	0.1962	0.5430	60.9137	0.1901
07:28:02	193.41	3.09	222.22	231.99	145.30	70.76	1,328.14	31.3841	32.7383	10.5165	0.1997	0.5495	61.7934	0.1930
07:28:03	193.41	3.09	222.22	229.55	139.19	70.76	1,328.14	31.0655	32.4060	10.5165	0.2032	0.5560	62.6641	0.1959
07:28:04	193.41	3.07	221.73	227.11	139.19	70.76	1,328.14	31.0655	32.4060	10.4034	0.2067	0.5625	63.5349	0.1988
07:28:05	193.41	3.06	222.22	222.22	135.53	70.28	1,328.14	30.2689	31.5617	10.4034	0.2101	0.5688	64.3745	0.2017
07:28:06	193.41	3.06	222.22	221.00	136.75	70.52	1,329.15	29.9503	31.2295	10.2904	0.2134	0.5750	65.2052	0.2046
07:28:07	193.53	3.03	221.73	221.00	134.31	70.04	1,328.14	29.6317	30.8892	10.2904	0.2166	0.5812	66.0217	0.2074
07:28:08	193.41	3.03	222.22	222.22	135.53	70.04	1,328.14	28.9944	30.2186	10.4034	0.2198	0.5872	66.8164	0.2103
07:28:09	193.41	3.03	222.22	222.22	135.53	70.76	1,329.15	28.8351	30.0526	10.4034	0.2230	0.5933	67.6068	0.2132
07:28:10	193.41	3.00	203.66	228.33	134.31	70.76	1,326.10	28.8351	30.0401	10.4034	0.2262	0.5992	68.3887	0.2161
07:28:11	160.44	2.98	203.66	227.11	134.31	70.52	1,326.10	28.9944	30.2061	10.4034	0.2294	0.6053	69.1750	0.2190
07:28:12	160.44	2.98	203.66	227.11	134.31	70.52	1,325.09	28.9944	30.2061	10.4034	0.2326	0.6113	69.9613	0.2219
07:28:13	160.44	2.96	203.66	227.11	133.09	70.76	1,326.10	29.7910	31.0262	10.4034	0.2359	0.6170	70.7626	0.2248
07:28:14	160.44	2.96	204.15	225.89	145.30	70.52	1,326.10	29.6317	30.8488	10.4034	0.2386	0.6227	71.5532	0.2277
07:28:15	160.44	2.95	204.15	224.66	146.52	70.52	1,326.10	29.6317	30.8488	10.4034	0.2413	0.6283	72.3438	0.2306
07:28:16	160.44	2.94	203.66	214.90	135.53	70.52	1,327.12	29.6317	30.8424	10.4034	0.2440	0.6340	73.1300	0.2334
07:28:17	160.44	2.94	203.66	217.34	134.31	70.52	1,327.12	29.4724	30.6766	10.2904	0.2467	0.6396	73.9121	0.2363
07:28:18	160.44	2.93	204.15	218.56	129.43	69.79	1,327.12	29.3131	30.5060	10.2904	0.2494	0.6452	74.6867	0.2392
07:28:19	160.32	2.93	202.20	218.56	133.09	70.52	1,332.71	28.0386	29.1751	10.4034	0.2519	0.6505	75.4246	0.2421
07:28:20	127.47	2.93	202.20	218.56	133.09	70.52	1,332.71	28.3572	29.5066	10.4034	0.2545	0.6559	76.1708	0.2449
07:28:21	127.47	2.91	202.20	321.12	159.95	71.01	1,610.34	28.5165	29.6677	10.2904	0.2571	0.6614	76.9182	0.2478
07:28:22	127.47	2.91	202.20	321.12	159.95	71.01	1,598.65	28.5165	29.6677	10.2904	0.2598	0.6668	77.6655	0.2507
07:28:23	127.47	2.90	202.20	959.71	307.69	69.79	1,940.85	28.5165	29.6659	10.2904	0.2618	0.6722	78.4128	0.2535
07:28:24	127.47	2.90	202.20	959.71	307.69	69.79	1,940.85	41.8986	43.5783	15.0398	0.2649	0.6801	79.5047	0.2577
07:28:25	127.47	2.89	201.71	1,779.00	653.24	69.79	1,987.63	41.8986	43.5783	15.0398	0.2679	0.6880	80.5966	0.2619
07:28:26	127.47	2.89	201.71	1,849.82	708.18	70.04	1,487.29	125.2178	130.2108	20.0153	0.2770	0.7117	83.8417	0.2674
07:28:27	127.47	2.89	201.71	1,849.82	708.18	70.04	1,487.29	125.2178	130.2108	20.0153	0.2861	0.7354	87.0868	0.2730
07:28:28	127.47	2.87	201.71	1,170.94	631.26	70.04	1,232.54	232.1148	241.3325	21.7115	0.3029	0.7792	93.0770	0.2790
07:28:29	127.47	2.87	201.71	1,170.94	512.82	69.79	1,208.65	241.3547	250.9395	25.5563	0.3204	0.8247	99.3056	0.2861
07:28:30	104.15	2.88	200.24	542.12	268.62	70.76	1,204.58	241.3547	250.9395	25.5563	0.3379	0.8702	105.5342	0.2932
07:28:31	104.15	2.88	200.24	382.17	236.87	70.76	1,218.81	152.7784	158.8125	26.3478	0.3490	0.8990	109.4547	0.3005
07:28:32	104.15	2.86	200.24	323.57	218.56	70.52	1,218.81	152.7784	158.8125	26.3478	0.3601	0.9278	113.3753	0.3079
07:28:33	104.15	2.86	199.76	288.16	218.56	70.52	1,217.80	70.7337	73.5357	26.2348	0.3643	0.9411	115.1981	0.3152
07:28:34	104.15	2.86	200.24	288.16	201.47	71.01	1,221.36	49.8641	51.8393	26.5740	0.3673	0.9504	116.4831	0.3225
07:28:35	104.15	2.86	200.24	256.41	175.82	69.79	1,221.36	42.2172	43.8758	26.5740	0.3698	0.9583	117.5618	0.3299
07:28:36	104.15	2.86	199.76	240.54	159.95	70.04	1,210.68	37.5972	39.0743	26.5740	0.3720	0.9653	118.5225	0.3373
07:28:37	104.15	2.86	199.76	225.89	145.30	70.76	1,208.65	37.5972	39.0743	26.5740	0.3742	0.9723	119.4832	0.3447
07:28:38	104.15	2.85	200.24	205.13	130.65	70.76	1,206.10	33.4551	34.7695	26.6871	0.3762	0.9786	120.3380	0.3521

07:28:39	104.15	2.86	216.36	203.91	126.98	70.28	1,201.02	31.3841	32.6171	26.3478	0.3781	0.9845	121.1399	0.3594
07:28:40	104.15	2.86	216.36	202.69	125.76	70.28	1,200.00	29.4724	30.6303	26.3478	0.3798	0.9900	121.8930	0.3667
07:28:41	104.15	2.86	216.36	202.69	125.76	70.28	1,200.00	26.7641	27.8113	26.2348	0.3814	0.9950	122.5740	0.3740
07:28:42	101.22	2.85	216.36	197.80	125.76	70.76	1,197.46	26.6048	27.6501	26.2348	0.3830	1.0004	123.2538	0.3813
07:28:43	101.22	2.85	216.36	196.58	125.76	70.04	1,194.92	26.4455	27.4845	26.1217	0.3845	1.0057	123.9295	0.3886
07:28:44	101.22	2.85	216.36	202.69	146.52	71.01	1,194.92	26.4455	27.4845	26.1217	0.3861	1.0111	124.6052	0.3958
07:28:45	101.22	2.85	216.36	203.91	147.74	70.04	1,191.87	25.8082	26.8179	26.1217	0.3876	1.0163	125.2619	0.4031
07:28:46	101.22	2.85	216.36	203.91	147.74	70.04	1,191.87	25.6489	26.6523	26.1217	0.3891	1.0215	125.9145	0.4103
07:28:47	101.22	2.86	216.85	206.35	144.08	70.04	1,190.34	26.4455	27.4801	26.0086	0.3906	1.0268	126.5873	0.4176
07:28:48	101.22	2.91	216.36	208.79	133.09	71.01	1,187.80	26.6048	27.6456	26.0086	0.3921	1.0322	127.2642	0.4248
07:28:49	101.22	2.91	216.36	208.79	133.09	71.01	1,187.80	26.6048	27.6456	26.0086	0.3937	1.0376	127.9411	0.4320
07:28:50	101.22	2.99	230.04	217.34	140.42	70.28	1,183.22	26.9234	27.9810	26.1217	0.3952	1.0430	128.6291	0.4393
07:28:51	170.94	3.06	230.04	211.23	134.31	70.28	1,180.68	27.2420	28.3299	25.8955	0.3968	1.0485	129.3370	0.4464
07:28:52	170.45	3.11	230.04	207.57	134.31	70.28	1,180.68	27.2420	28.3299	25.8955	0.3984	1.0540	130.0450	0.4536
07:28:53	170.45	3.16	230.04	205.13	128.21	71.01	1,179.15	28.3572	29.5218	25.8955	0.4000	1.0602	130.8035	0.4608
07:28:54	170.45	3.16	230.04	205.13	128.21	71.01	1,179.15	27.5607	28.7246	25.7824	0.4027	1.0661	131.5599	0.4680
07:28:55	170.94	3.27	230.52	200.24	129.43	70.52	1,177.63	27.0827	28.2441	25.7824	0.4053	1.0719	132.3150	0.4752
07:28:56	170.94	3.39	230.04	197.80	123.32	70.76	1,175.59	26.7641	27.9321	25.6693	0.4079	1.0777	133.0749	0.4823
07:28:57	170.94	3.49	230.04	197.80	120.88	70.28	1,175.59	26.7641	27.9321	25.6693	0.4105	1.0835	133.8349	0.4894
07:28:58	170.57	3.57	230.52	196.58	118.44	70.76	1,174.07	26.1269	27.3068	25.6693	0.4131	1.0892	134.6034	0.4966
07:28:59	170.45	3.65	381.93	197.80	116.00	70.28	1,173.05	25.8082	27.0173	25.5563	0.4156	1.0948	135.3920	0.5036
07:29:00	170.94	3.71	381.93	197.80	116.00	70.28	1,173.05	25.8082	27.0524	25.5563	0.4181	1.1003	136.2043	0.5107
07:29:01	198.90	3.76	381.93	196.58	118.44	70.28	1,172.03	25.6489	26.9119	25.6693	0.4207	1.1059	137.0296	0.5179
07:29:02	199.02	3.76	381.93	196.58	118.44	70.28	1,172.03	25.8082	27.1086	25.5563	0.4232	1.1152	137.8800	0.5250
07:29:03	199.02	3.89	381.93	195.36	119.66	70.76	1,170.00	25.8082	27.1311	25.5563	0.4257	1.1246	138.7457	0.5321
07:29:04	199.02	3.92	381.93	192.92	118.44	71.01	1,168.48	25.6489	26.9846	25.5563	0.4287	1.1338	139.6194	0.5392
07:29:05	199.02	3.99	382.42	189.26	112.33	70.04	1,168.48	25.6489	26.9846	25.5563	0.4316	1.1431	140.4931	0.5463
07:29:06	199.02	4.05	381.93	186.81	107.45	70.28	1,166.44	25.4896	26.8602	25.5563	0.4345	1.1523	141.3908	0.5534
07:29:07	199.02	4.08	381.93	179.49	98.90	71.01	1,165.42	25.1710	26.5354	25.5563	0.4374	1.1614	142.2847	0.5605
07:29:08	199.02	4.12	381.93	175.82	95.24	70.28	1,165.42	24.6931	26.0586	25.5563	0.4403	1.1704	143.1801	0.5676
07:29:09	199.02	4.15	534.80	174.60	95.24	70.76	1,163.90	24.3744	25.7397	25.4432	0.4431	1.1792	144.0757	0.5746
07:29:10	199.02	4.15	534.80	174.60	95.24	70.76	1,163.90	23.4186	24.7405	25.4432	0.4458	1.1877	144.9433	0.5817
07:29:11	199.02	4.19	535.29	172.16	94.02	71.01	1,163.90	22.9406	24.2507	25.4432	0.4484	1.1961	145.8034	0.5888
07:29:12	208.55	4.20	534.80	174.60	95.24	71.01	1,161.87	22.7813	24.0922	25.3301	0.4510	1.2077	146.6644	0.5958
07:29:13	208.55	4.20	534.80	178.27	100.12	71.01	1,161.87	22.7813	24.0922	25.3301	0.4537	1.2192	147.5254	0.6028
07:29:14	208.55	4.22	534.80	181.93	102.56	71.01	1,161.87	22.4627	23.7651	25.4432	0.4562	1.2307	148.3811	0.6099
07:29:15	208.42	4.22	534.80	183.15	103.79	71.01	1,160.85	22.7813	24.1064	25.4432	0.4590	1.2423	149.2515	0.6170
07:29:16	208.55	4.22	535.29	183.15	105.01	70.04	1,160.85	23.2593	24.6121	25.4432	0.4618	1.2541	150.1401	0.6240
07:29:17	208.42	4.21	534.80	184.37	109.89	70.52	1,160.85	23.7372	25.1256	25.3301	0.4647	1.2662	151.0524	0.6311
07:29:18	208.55	4.21	535.29	184.37	111.11	70.52	1,160.85	23.8965	25.2943	25.4432	0.4676	1.2784	151.9708	0.6382
07:29:19	208.42	4.21	444.44	184.37	111.11	71.01	1,160.85	23.8965	25.2943	25.3301	0.4704	1.2905	152.8891	0.6452
07:29:20	208.55	4.19	444.44	185.59	111.11	70.28	1,162.88	24.0558	25.4576	25.3301	0.4734	1.3028	153.8100	0.6522
07:29:21	205.98	4.16	444.44	186.81	109.89	70.28	1,162.88	24.0558	25.4576	25.4432	0.4763	1.3150	154.7309	0.6593
07:29:22	205.98	4.16	444.44	188.03	113.55	70.28	1,164.41	24.0558	25.4576	25.4432	0.4792	1.3252	155.6518	0.6664
07:29:23	205.98	4.16	444.44	188.03	113.55	70.28	1,164.41	24.2151	25.6209	25.4432	0.4821	1.3355	156.5752	0.6734
07:29:24	205.98	4.09	444.44	200.24	137.97	70.28	1,165.42	24.3744	25.7787	25.4432	0.4850	1.3458	157.4973	0.6805
07:29:25	205.98	4.07	444.44	195.36	125.76	70.76	1,167.97	24.5338	25.9472	25.4432	0.4879	1.3561	158.4255	0.6876
07:29:26	205.98	4.04	444.44	192.92	123.32	70.76	1,168.98	24.5338	25.9472	25.4432	0.4909	1.3665	159.3536	0.6946
07:29:27	205.98	4.04	444.44	192.92	123.32	70.76	1,168.98	26.1269	27.6077	25.5563	0.4940	1.3775	160.3254	0.7017
07:29:28	205.98	4.03	444.93	194.14	126.98	70.04	1,170.51	25.4896	26.9274	25.5563	0.4970	1.3883	161.2687	0.7088
07:29:29	205.98	4.00	354.58	190.48	124.54	71.01	1,173.56	25.1710	26.5784	25.5563	0.5000	1.3989	162.1918	0.7159
07:29:30	200.98	3.94	354.09	185.59	123.32	70.76	1,173.56	25.1710	26.5784	25.5563	0.5030	1.4095	163.1148	0.7230
07:29:31	200.98	3.93	354.09	183.15	117.22	70.76	1,173.56	25.3303	26.7425	25.5563	0.5060	1.4202	164.0409	0.7301
07:29:32	200.98	3.90	354.09	183.15	112.33	71.01	1,173.56	24.8524	26.2297	25.6693	0.5090	1.4286	164.9439	0.7373
07:29:33	201.10	3.90	354.09	185.59	111.11	71.25	1,175.09	24.2151	25.5371	25.5563	0.5118	1.4367	165.8102	0.7444
07:29:34	200.85	3.87	354.09	186.81	112.33	71.01	1,176.10	23.8965	25.1959	25.6693	0.5146	1.4448	166.6615	0.7515
07:29:35	201.10	3.87	354.09	186.81	112.33	71.01	1,176.10	23.8965	25.1867	25.6693	0.5173	1.4528	167.5066	0.7586
07:29:36	200.98	3.83	354.09	188.03	114.77	70.04	1,177.63	24.2151	25.5225	25.5563	0.5201	1.4609	168.3630	0.7657
07:29:37	200.98	3.83	354.09	190.48	118.44	71.01	1,178.65	24.3744	25.6811	25.7824	0.5230	1.4691	169.2187	0.7729
07:29:38	200.98	3.79	354.09	199.02	129.43	71.25	1,179.66	24.3744	25.6811	25.7824	0.5258	1.4773	170.0743	0.7800
07:29:39	200.98	3.79	347.74	202.69	135.53	71.25	1,180.68	24.5338	25.8343	25.7824	0.5286	1.4855	170.9256	0.7872
07:29:40	173.38	3.76	348.23	203.91	135.53	71.25	1,182.71	24.8524	26.1698	25.7824	0.5315	1.4938	171.7878	0.7944
07:29:41	173.38	3.76	348.23	207.57	134.31	70.28	1,182.71	25.9675	27.3299	25.8955	0.5345	1.5025	172.6792	0.8016
07:29:42	173.38	3.76	348.23	208.79	131.87	70.76	1,182.71	26.4455	27.8329	25.7824	0.5376	1.5112	173.5869	0.8087
07:29:43	173.38	3.76	348.23	208.79	131.87	70.76	1,182.71	26.6048	27.9875	25.7824	0.5402	1.5200	174.4921	0.8159
07:29:44	173.38	3.73	347.74	212.45	137.97	70.76	1,191.87	27.0827	28.4903	25.8955	0.5429	1.5289	175.4136	0.8231
07:29:45	173.38	3.73	348.23	218.56	145.30	71.25	1,230.51	27.2420	28.6579	25.8955	0.5457	1.5379	176.3406	0.8303

07:29:46	173.38	3.71	348.23	261.29	172.16	70.76	1,844.75	27.2420	28.6579	25.8955	0.5484	1.5469	177.2675	0.8375
07:29:47	173.38	3.71	347.74	445.67	233.21	71.49	1,918.48	27.7199	29.1485	26.1217	0.5511	1.5560	178.2025	0.8447
07:29:48	173.38	3.69	348.23	1,092.80	465.20	71.49	1,766.44	28.5165	29.9861	26.9132	0.5540	1.5654	179.1643	0.8522
07:29:49	173.38	3.69	344.32	1,378.51	586.08	71.25	1,505.09	34.0924	35.8382	25.8955	0.5574	1.5766	180.3066	0.8594
07:29:50	173.38	3.69	344.32	1,434.68	610.50	70.76	1,545.26	58.1482	61.1259	28.6095	0.5632	1.5957	182.2550	0.8673
07:29:51	141.03	3.69	344.32	1,434.68	610.50	70.76	1,545.26	142.5826	149.8530	31.3234	0.5774	1.6427	187.0113	0.8760
07:29:52	141.03	3.69	344.32	1,605.62	644.69	71.49	1,673.90	179.8611	189.0324	32.6804	0.5954	1.7012	193.0113	0.8851
07:29:53	141.03	3.67	344.32	1,454.21	598.29	70.52	1,673.90	187.1894	196.7343	33.8112	0.6140	1.7621	199.2556	0.8945
07:29:54	141.03	3.67	344.32	954.82	443.22	71.49	1,198.48	187.1894	196.7226	33.8112	0.6292	1.8230	205.4996	0.9039
07:29:55	141.03	3.67	344.32	700.85	352.87	70.52	1,181.19	209.4927	220.1619	36.1859	0.6462	1.8912	212.4876	0.9139
07:29:56	141.03	3.67	344.32	449.33	266.18	71.01	1,185.76	189.7383	199.3497	36.2990	0.6616	1.9529	218.7815	0.9240
07:29:57	141.15	3.68	344.32	350.43	230.77	70.52	1,184.75	124.5805	130.8912	36.1859	0.6717	1.9935	222.9140	0.9341
07:29:58	141.03	3.68	344.32	295.48	206.35	71.49	1,183.73	91.4440	96.0762	35.6205	0.6791	2.0232	225.9474	0.9440
07:29:59	141.03	3.68	344.32	295.48	206.35	71.49	1,183.73	58.6261	61.5959	35.8466	0.6839	2.0423	227.8921	0.9539
07:30:00	141.03	3.68	354.09	238.10	166.06	70.76	1,183.73	45.7220	48.0456	35.8466	0.6876	2.0572	229.4138	0.9639
07:30:01	116.48	3.69	354.09	222.22	151.40	71.25	1,183.73	38.5531	40.5123	35.7336	0.6907	2.0697	230.6970	0.9738
07:30:02	116.48	3.68	354.09	216.12	142.86	71.49	1,182.71	38.5531	40.5123	35.7336	0.6939	2.0823	231.9801	0.9837
07:30:03	116.48	3.68	354.09	216.12	142.86	71.49	1,182.71	31.0655	32.6442	35.7336	0.6964	2.0927	233.0141	0.9937
07:30:04	116.48	3.68	354.58	211.23	136.75	70.52	1,182.71	28.9944	30.4713	35.7336	0.6983	2.1024	233.9823	1.0036
07:30:05	116.48	3.69	354.09	206.35	130.65	71.25	1,182.71	28.1979	29.6296	35.7336	0.7002	2.1118	234.9207	1.0135
07:30:06	116.48	3.71	354.09	213.68	125.76	70.52	1,184.24	28.1979	29.6296	35.7336	0.7021	2.1212	235.8592	1.0234
07:30:07	116.48	3.72	354.09	214.90	125.76	70.52	1,184.24	27.5607	28.9600	35.7336	0.7040	2.1305	236.7764	1.0334
07:30:08	116.48	3.72	354.09	214.90	120.88	70.52	1,185.26	26.9234	28.2948	35.7336	0.7058	2.1395	237.6754	1.0433
07:30:09	116.48	3.72	366.30	203.91	113.55	70.28	1,187.80	27.8793	29.3039	35.8466	0.7076	2.1488	238.6095	1.0533
07:30:10	116.48	3.72	365.81	201.47	108.67	70.52	1,188.81	28.0386	29.4759	35.8466	0.7095	2.1582	239.5520	1.0632
07:30:11	150.43	3.72	366.30	200.24	106.23	71.49	1,190.85	28.0386	29.4759	35.8466	0.7114	2.1676	240.4945	1.0732
07:30:12	150.43	3.75	366.30	200.24	107.45	70.28	1,193.39	26.6048	27.9686	35.8466	0.7132	2.1768	241.3888	1.0831
07:30:13	150.43	3.77	366.30	201.47	109.89	71.49	1,194.41	26.2862	27.6337	35.8466	0.7149	2.1859	242.2724	1.0931
07:30:14	150.43	3.80	365.81	202.69	111.11	70.76	1,196.44	26.1269	27.4679	35.9597	0.7172	2.1949	243.1507	1.1031
07:30:15	150.43	3.80	365.81	202.69	111.11	70.76	1,196.44	26.1269	27.4793	35.9597	0.7195	2.2040	244.0367	1.1131
07:30:16	150.31	3.86	365.81	203.91	109.89	71.49	1,198.98	26.2862	27.6540	35.9597	0.7217	2.2131	244.9330	1.1230
07:30:17	150.43	3.93	366.30	203.91	113.55	70.52	1,201.53	26.4455	27.8332	36.0728	0.7240	2.2222	245.8427	1.1331
07:30:18	150.43	4.00	365.81	206.35	116.00	70.52	1,202.54	26.4455	27.8332	36.0728	0.7263	2.2314	246.7523	1.1431
07:30:19	150.43	4.08	539.19	213.68	119.66	71.25	1,204.58	26.6048	28.0241	36.1859	0.7286	2.2406	247.6832	1.1531
07:30:20	150.43	4.15	538.71	213.68	119.66	70.28	1,204.58	26.6048	28.0502	36.1859	0.7309	2.2499	248.6319	1.1632
07:30:21	212.09	4.25	539.19	212.45	119.66	70.52	1,206.10	26.9234	28.4112	36.2990	0.7333	2.2592	249.6091	1.1733
07:30:22	211.97	4.30	538.71	212.45	122.10	71.25	1,207.63	27.8793	29.4534	36.4120	0.7357	2.2735	250.6438	1.1834
07:30:23	211.97	4.30	538.71	212.45	122.10	71.25	1,207.63	27.8793	29.4809	36.4120	0.7381	2.2878	251.6974	1.1935
07:30:24	211.97	4.40	538.71	214.90	125.76	71.25	1,208.65	27.7199	29.3522	36.4120	0.7415	2.3020	252.7700	1.2036
07:30:25	212.09	4.47	539.19	216.12	125.76	71.25	1,209.66	27.7199	29.3735	36.4120	0.7450	2.3162	253.8572	1.2137
07:30:26	211.97	4.53	538.71	214.90	130.65	70.28	1,209.66	27.7199	29.3735	36.4120	0.7484	2.3305	254.9444	1.2238
07:30:27	211.97	4.53	538.71	214.90	130.65	70.28	1,209.66	28.0386	29.7495	36.5251	0.7518	2.3449	256.0705	1.2340
07:30:28	211.97	4.58	538.71	221.00	147.74	70.52	1,208.65	28.1979	29.9465	36.5251	0.7553	2.3594	257.2222	1.2441
07:30:29	211.97	4.63	538.71	229.55	151.40	71.49	1,208.65	28.0386	29.7988	36.5251	0.7588	2.3738	258.3822	1.2543
07:30:30	212.09	4.73	711.11	221.00	137.97	70.76	1,207.63	28.0386	29.7988	36.5251	0.7622	2.3883	259.5422	1.2644
07:30:31	236.39	4.75	711.11	221.00	137.97	70.76	1,207.63	28.8351	30.6691	36.5251	0.7658	2.4031	260.7516	1.2746
07:30:32	236.39	4.80	711.11	216.12	134.31	71.25	1,205.09	29.9503	31.8767	36.4120	0.7695	2.4186	262.0224	1.2847
07:30:33	236.39	4.80	711.11	216.12	134.31	71.25	1,205.09	28.8351	30.7279	36.4120	0.7730	2.4382	263.2723	1.2948
07:30:34	236.39	4.87	711.11	211.23	130.65	70.76	1,203.56	28.8351	30.7372	36.4120	0.7770	2.4579	264.5276	1.3049
07:30:35	236.39	4.88	711.11	211.23	130.65	71.25	1,203.56	28.1979	30.0781	36.4120	0.7809	2.4771	265.7692	1.3150
07:30:36	236.39	4.88	711.11	213.68	130.65	71.25	1,203.56	28.1979	30.0781	36.4120	0.7848	2.4964	267.0108	1.3252
07:30:37	236.39	4.94	711.11	213.68	130.65	71.25	1,203.56	27.5607	29.4257	36.2990	0.7886	2.5152	268.2433	1.3352
07:30:38	236.39	4.94	711.60	227.11	147.74	70.28	1,201.02	27.5607	29.4318	36.2990	0.7924	2.5340	269.4799	1.3453
07:30:39	236.39	4.96	644.69	227.11	147.74	70.28	1,201.02	27.8793	29.7720	36.1859	0.7963	2.5530	270.7309	1.3554
07:30:40	265.45	4.98	644.69	235.65	163.61	71.25	1,198.48	27.8793	29.7920	36.1859	0.8001	2.5721	271.9957	1.3654
07:30:41	269.84	4.98	645.18	233.21	170.94	71.49	1,198.48	29.6317	31.6646	36.1859	0.8042	2.5924	273.3400	1.3755
07:30:42	269.84	5.01	644.69	234.43	173.38	71.25	1,196.95	29.6317	31.6728	36.1859	0.8083	2.6107	274.6900	1.3855
07:30:43	269.84	5.01	644.69	233.21	164.84	71.49	1,196.95	30.7469	32.8767	36.0728	0.8131	2.6298	276.0979	1.3955
07:30:44	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	30.4282	32.5363	36.0728	0.8179	2.6487	277.4912	1.4056
07:30:45	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	30.5875	32.7185	36.0728	0.8227	2.6676	278.9001	1.4156
07:30:46	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	30.4282	32.5480	36.0728	0.8276	2.6865	280.3015	1.4256
07:30:47	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8323	2.7050	281.6805	1.4356
07:30:48	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8370	2.7235	283.0595	1.4456
07:30:49	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8417	2.7420	284.4385	1.4556
07:30:50	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8464	2.7605	285.8175	1.4656
07:30:51	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8511	2.7790	287.1965	1.4755
07:30:52	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8558	2.7975	288.5755	1.4855

07:30:53	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8605	2.8160	289.9545	1.4955
07:30:54	269.84	5.03	645.18	228.33	153.85	70.52	1,195.42	29.7910	31.8763	35.9597	0.8652	2.8345	291.3335	1.5055
07:30:55	285.71	5.07	581.68	201.47	120.88	71.49	1,187.80	29.7910	31.8763	35.9597	0.8699	2.8530	292.7124	1.5155
07:30:56	285.71	5.07	581.20	203.91	125.76	71.49	1,187.80	29.7910	31.8763	35.9597	0.8746	2.8715	294.0914	1.5255
07:30:57	285.71	5.07	581.20	203.91	125.76	71.49	1,187.80	29.7910	31.8763	35.9597	0.8794	2.8900	295.4704	1.5355
07:30:58	285.71	5.06	542.61	222.22	135.53	71.49	1,186.78	26.2862	28.1415	35.8466	0.8838	2.9047	296.6973	1.5454
07:30:59	285.71	5.06	542.61	229.55	145.30	71.73	1,185.76	26.6048	28.4826	35.8466	0.8882	2.9196	297.9390	1.5554
07:31:00	274.36	5.03	542.61	228.33	151.40	70.76	1,184.24	26.6048	28.4826	35.8466	0.8927	2.9345	299.1808	1.5654
07:31:01	274.36	5.03	542.61	228.33	151.40	70.76	1,184.24	28.9944	31.0361	35.8466	0.8975	2.9496	300.5307	1.5753
07:31:02	274.36	5.03	542.61	224.66	145.30	70.76	1,184.24	29.9503	32.0593	35.8466	0.9025	2.9652	301.9252	1.5853
07:31:03	274.36	5.01	543.10	222.22	140.42	70.76	1,184.24	29.7910	31.8782	35.8466	0.9073	2.9808	303.3053	1.5952
07:31:04	274.36	4.99	542.61	222.22	140.42	70.76	1,183.22	29.7910	31.8782	35.8466	0.9121	2.9964	304.6854	1.6052
07:31:05	274.36	4.99	542.61	222.22	140.42	70.76	1,183.22	29.3131	31.3668	35.7336	0.9168	3.0117	306.0434	1.6151
07:31:06	274.36	4.99	542.61	219.78	135.53	70.52	1,181.70	28.9944	31.0178	35.8466	0.9215	3.0268	307.3811	1.6251
07:31:07	274.36	4.96	542.61	208.79	122.10	71.49	1,181.70	28.9944	31.0066	35.7336	0.9261	3.0419	308.7110	1.6350
07:31:08	274.36	4.94	543.10	202.69	114.77	71.49	1,180.68	28.9944	31.0066	35.7336	0.9308	3.0571	310.0409	1.6449
07:31:09	274.36	4.92	504.52	195.36	105.01	70.76	1,179.66	28.6758	30.6659	35.6205	0.9354	3.0720	311.3562	1.6548
07:31:10	274.36	4.92	504.52	195.36	105.01	70.28	1,179.66	27.2420	29.1221	35.6205	0.9398	3.0862	312.5985	1.6647
07:31:11	250.92	4.89	505.01	192.92	100.12	70.76	1,178.65	26.4455	28.2633	35.6205	0.9440	3.1001	313.7993	1.6746
07:31:12	250.92	4.89	505.01	192.92	100.12	70.76	1,178.65	25.4896	27.2361	35.6205	0.9481	3.1124	314.9529	1.6845
07:31:13	250.92	4.86	505.01	191.70	98.90	71.49	1,178.65	25.4896	27.2361	35.6205	0.9522	3.1248	316.1064	1.6944
07:31:14	250.92	4.85	505.01	192.92	100.12	70.76	1,177.63	25.1710	26.8834	35.6205	0.9559	3.1370	317.2378	1.7043
07:31:15	250.79	4.83	504.52	203.91	113.55	71.49	1,186.78	25.1710	26.8834	35.6205	0.9596	3.1492	318.3692	1.7142
07:31:16	250.92	4.81	505.01	208.79	117.22	70.52	1,203.56	25.0117	26.7008	35.5074	0.9633	3.1613	319.4848	1.7240
07:31:17	250.92	4.80	505.01	223.44	124.54	70.52	1,214.75	25.1710	26.8667	35.5074	0.9670	3.1735	320.6047	1.7339
07:31:18	250.92	4.80	505.01	233.21	126.98	70.28	1,330.17	26.6048	28.3898	35.8466	0.9709	3.1864	321.7833	1.7439
07:31:19	250.92	4.76	488.89	711.84	225.89	71.49	1,825.93	27.2420	29.0638	36.2990	0.9748	3.1996	322.9859	1.7539
07:31:20	250.92	4.74	488.89	1,166.06	225.89	71.49	1,825.93	29.1538	31.0969	36.7513	0.9791	3.2137	324.2685	1.7642
07:31:21	215.26	4.72	488.40	1,566.54	522.59	70.28	1,940.85	30.4282	32.4563	36.6382	0.9836	3.2285	325.6072	1.7743
07:31:22	215.26	4.72	488.40	1,566.54	522.59	70.28	1,940.85	92.8778	99.0222	39.9175	0.9972	3.2720	329.6615	1.7854
07:31:23	215.26	4.71	488.89	1,963.37	796.09	71.01	1,473.05	152.1412	162.1727	39.9175	1.0195	3.3433	336.2795	1.7965
07:31:24	215.26	4.71	488.89	1,963.37	796.09	71.01	1,473.05	204.3948	217.8012	41.9530	1.0451	3.4390	345.1312	1.8082
07:31:25	215.26	4.68	488.89	1,630.04	694.75	70.28	1,499.49	204.3948	217.8012	41.9530	1.0708	3.5346	353.9828	1.8198
07:31:26	215.26	4.66	488.89	1,518.93	663.00	70.28	1,526.44	256.1706	272.9306	44.1015	1.1030	3.6546	365.0474	1.8321
07:31:27	215.26	4.64	488.89	1,544.57	630.04	71.25	1,589.49	256.1706	272.9306	44.1015	1.1351	3.7746	376.1120	1.8443
07:31:28	215.26	4.64	488.89	1,599.51	628.82	71.25	1,589.49	212.6789	226.4999	45.2324	1.1618	3.8742	385.2335	1.8569
07:31:29	215.26	4.62	475.21	1,647.13	642.25	71.25	1,651.53	198.1817	211.0061	45.9108	1.1867	3.9670	393.6955	1.8696
07:31:30	215.38	4.62	474.73	1,719.17	688.64	71.01	1,673.90	201.5273	214.5126	48.0594	1.2120	4.0613	402.2622	1.8830
07:31:31	191.09	4.60	475.21	1,775.33	744.81	71.25	1,708.98	208.6962	222.1435	48.0594	1.2382	4.1590	411.1336	1.8963
07:31:32	191.09	4.60	475.21	1,775.33	744.81	71.25	1,708.98	214.9093	228.6860	49.7556	1.2651	4.2567	420.2202	1.9102
07:31:33	190.96	4.60	474.73	1,838.83	763.13	70.76	1,712.54	224.3086	238.6879	50.5471	1.2933	4.3586	429.7042	1.9242
07:31:34	191.09	4.60	474.73	1,728.94	732.60	70.04	1,707.97	231.6368	246.4240	51.6780	1.3190	4.4639	439.4625	1.9386
07:31:35	191.09	4.58	475.21	1,238.09	549.45	71.01	1,683.56	231.6368	246.4240	51.6780	1.3448	4.5693	449.2208	1.9529
07:31:36	191.09	4.58	475.21	1,238.09	549.45	71.01	1,683.56	239.9210	255.2369	51.7910	1.3715	4.6782	459.3281	1.9673
07:31:37	191.09	4.58	475.21	1,050.06	493.28	70.28	1,691.19	225.5831	239.9838	51.4518	1.3966	4.7807	468.8314	1.9816
07:31:38	190.96	4.57	474.73	953.60	460.32	71.01	1,719.66	161.5404	171.7995	50.8864	1.4146	4.8541	475.5999	1.9957
07:31:39	191.09	4.57	475.21	975.58	455.43	70.28	1,707.46	161.5404	171.7995	50.8864	1.4326	4.9275	482.3685	2.0099
07:31:40	191.09	4.57	542.61	916.97	420.02	71.01	1,699.83	137.0066	145.7076	51.2256	1.4478	4.9898	488.1091	2.0241
07:31:41	191.09	4.57	543.10	847.37	410.26	71.01	1,700.85	124.4212	132.3024	51.9041	1.4616	5.0463	493.3082	2.0385
07:31:42	230.28	4.58	543.10	807.08	384.62	71.01	1,699.32	127.2888	135.3516	51.4518	1.4758	5.1041	498.6272	2.0528
07:31:43	230.28	4.58	542.61	758.24	333.33	71.01	1,699.32	119.6419	127.2204	51.3387	1.4891	5.1662	503.6266	2.0671
07:31:44	230.28	4.61	543.10	758.24	333.33	71.01	1,699.32	110.5612	117.5645	51.3387	1.5014	5.2236	508.2466	2.0813
07:31:45	230.28	4.61	543.10	752.14	330.89	71.49	1,699.32	105.3040	111.9997	51.3387	1.5155	5.2783	512.6592	2.0956
07:31:46	230.28	4.69	542.61	748.47	338.22	70.52	1,700.85	98.9316	105.2221	51.2256	1.5288	5.3297	516.8047	2.1098
07:31:47	230.28	4.72	542.61	793.65	338.22	71.25	1,700.85	98.9316	105.2656	51.2256	1.5421	5.3811	520.9803	2.1240
07:31:48	230.28	4.78	543.10	810.74	335.78	70.52	1,700.85	98.1350	104.4181	51.4518	1.5552	5.4321	525.1222	2.1383
07:31:49	230.28	4.84	612.94	809.52	335.78	70.52	1,701.87	97.6571	104.0116	51.3387	1.5683	5.4829	529.3144	2.1526
07:31:50	230.28	4.90	612.45	796.09	343.10	70.28	1,704.41	103.5516	110.3466	51.4518	1.5823	5.5367	533.7989	2.1669
07:31:51	309.04	4.94	612.45	788.77	343.10	71.25	1,706.44	105.7819	112.8049	51.3387	1.5965	5.5918	538.4365	2.1811
07:31:52	309.04	4.98	612.94	788.77	343.10	71.25	1,706.44	105.6226	112.7281	51.4518	1.6107	5.6539	543.1314	2.1954
07:31:53	309.04	5.08	612.45	796.09	338.22	70.28	1,710.00	103.8702	110.9379	51.4518	1.6247	5.7150	547.8040	2.2097
07:31:54	309.04	5.13	612.94	824.18	327.23	70.52	1,710.00	102.9143	109.9953	51.5649	1.6433	5.7756	552.4775	2.2240
07:31:55	308.91	5.21	612.94	798.53	312.58	71.25	1,706.95	102.9143	110.0578	51.5649	1.6619	5.8363	557.1943	2.2384
07:31:56	309.04	5.28	612.94	774.11	328.45	70.28	1,704.92	103.8702	111.2291	51.4518	1.6807	5.8976	562.0584	2.2527
07:31:57	308.91	5.37	612.94	763.13	328.45	71.25	1,700.34	107.5343	115.2242	51.5649	1.7002	5.9611	567.1437	2.2670
07:31:58	309.04	5.44	612.94	744.81	311.36	70.28	1,700.34	104.1888	111.7603	51.5649	1.7191	6.0227	572.1550	2.2813
07:31:59	308.91	5.50	763.37	719.17	301.59	70.28	1,697.80	101.0026	108.4432	51.4518	1.7375	6.0825	577.0831	2.2956

07:32:00	308.91	5.50	763.37	719.17	301.59	70.28	1,697.80	99.5688	107.0250	51.4518	1.7556	6.1415	582.0258	2.3099
07:32:01	346.28	5.62	763.37	671.55	301.59	70.28	1,698.31	97.1792	104.5480	51.3387	1.7733	6.1991	586.9138	2.3242
07:32:02	346.28	5.67	763.37	667.89	299.15	70.28	1,698.31	93.8337	101.0372	51.2256	1.7903	6.2685	591.6953	2.3384
07:32:03	346.15	5.72	763.37	693.53	299.15	70.04	1,703.39	93.8337	101.0372	51.2256	1.8074	6.3378	596.4769	2.3526
07:32:04	346.15	5.72	763.37	693.53	299.15	70.04	1,703.39	87.6206	94.4946	51.3387	1.8254	6.4027	601.0409	2.3669
07:32:05	346.28	5.74	763.37	716.73	302.81	70.28	1,705.43	87.1426	94.0517	51.3387	1.8432	6.4673	605.6308	2.3811
07:32:06	346.40	5.79	763.37	757.02	313.80	70.28	1,708.48	90.4881	97.7178	51.5649	1.8617	6.5343	610.4358	2.3955
07:32:07	346.28	5.82	763.37	783.88	332.11	70.28	1,708.48	90.4881	97.7178	51.5649	1.8802	6.6014	615.2408	2.4098
07:32:08	346.28	5.83	763.37	788.77	332.11	70.28	1,708.48	93.5150	101.0177	51.4518	1.8994	6.6708	620.2284	2.4241
07:32:09	346.28	5.83	763.37	788.77	338.22	70.04	1,708.48	98.7723	106.7626	51.5649	1.9196	6.7441	625.5427	2.4384
07:32:10	346.40	5.85	913.31	787.55	334.55	71.01	1,706.95	102.2771	110.5965	51.5649	1.9406	6.8200	631.0775	2.4527
07:32:11	350.67	5.86	912.82	776.56	332.11	70.28	1,705.93	102.9143	111.3084	51.5649	1.9617	6.8964	636.6629	2.4670
07:32:12	350.55	5.88	913.31	774.11	335.78	70.52	1,703.90	102.9143	111.3084	51.4518	1.9828	6.9728	642.2483	2.4813
07:32:13	350.79	5.88	912.82	758.24	340.66	70.52	1,702.88	102.7550	111.1590	51.5649	2.0039	7.0641	647.8412	2.4957
07:32:14	350.67	5.86	913.31	753.36	341.88	70.04	1,702.88	101.3212	109.6257	51.5649	2.0249	7.1541	653.3680	2.5100
07:32:15	350.67	5.83	913.80	743.59	328.45	70.76	1,703.90	101.0026	109.3147	51.4518	2.0459	7.2439	658.9011	2.5243
07:32:16	350.67	5.82	913.31	757.02	328.45	70.04	1,703.90	98.9316	107.0733	51.5649	2.0665	7.3318	664.3207	2.5386
07:32:17	350.67	5.82	913.31	757.02	328.45	70.04	1,703.90	98.2943	106.3562	51.4518	2.0869	7.4192	669.6862	2.5529
07:32:18	350.79	5.79	912.82	808.30	355.31	70.04	1,705.93	97.0199	104.9340	51.4518	2.1070	7.5054	674.9518	2.5672
07:32:19	350.79	5.79	912.82	808.30	355.31	70.04	1,705.93	98.7723	106.8129	51.4518	2.1275	7.5932	680.3008	2.5815
07:32:20	350.67	5.77	737.48	810.74	363.86	70.28	1,705.93	98.7723	106.8129	51.4518	2.1480	7.6809	685.6499	2.5958
07:32:21	351.04	5.75	737.00	799.76	352.87	70.52	1,704.41	105.4633	114.0017	51.5649	2.1699	7.7745	691.3284	2.6101
07:32:22	351.16	5.69	737.00	755.80	338.22	71.01	1,703.39	105.4633	114.0017	51.5649	2.1918	7.8681	697.0068	2.6244
07:32:23	351.16	5.67	737.48	755.80	333.33	70.52	1,703.39	105.7819	114.3167	51.3387	2.2138	7.9439	702.6817	2.6387
07:32:24	351.16	5.64	737.48	755.80	330.89	70.52	1,703.39	104.3481	112.7325	51.4518	2.2355	8.0186	708.2553	2.6530
07:32:25	351.16	5.64	737.48	755.80	330.89	70.28	1,703.39	98.6130	106.4598	51.3387	2.2559	8.0892	713.4687	2.6672
07:32:26	351.16	5.56	737.48	738.71	328.45	70.28	1,704.41	98.6130	106.4269	51.4518	2.2764	8.1597	718.6590	2.6815
07:32:27	351.04	5.54	737.00	737.48	334.55	70.28	1,705.43	98.6130	106.3831	51.4518	2.2968	8.2303	723.8187	2.6958
07:32:28	351.16	5.54	737.00	752.14	333.33	70.28	1,705.43	98.6130	106.3831	51.5649	2.3173	8.3009	728.9783	2.7101
07:32:29	351.16	5.49	563.13	771.67	338.22	70.04	1,705.43	96.3826	103.8754	51.5649	2.3373	8.3698	733.9500	2.7245
07:32:30	351.16	5.49	563.13	771.67	349.21	70.28	1,706.44	96.2233	103.6717	51.5649	2.3572	8.4385	738.8910	2.7388
07:32:31	337.97	5.44	563.13	759.46	349.21	70.28	1,706.44	98.1350	105.7314	51.5649	2.3775	8.5086	743.9302	2.7531
07:32:32	337.85	5.41	563.13	764.35	350.43	70.28	1,704.92	100.6840	108.4051	51.4518	2.3984	8.5635	749.0496	2.7674
07:32:33	337.85	5.41	563.13	764.35	350.43	70.28	1,704.92	100.6840	108.4051	51.4518	2.4192	8.6184	754.1689	2.7817
07:32:34	337.85	5.36	563.61	761.90	354.09	70.28	1,702.88	99.0909	106.6158	51.5649	2.4389	8.6723	759.1571	2.7960
07:32:35	337.85	5.33	563.13	769.23	354.09	70.28	1,702.88	99.7281	107.2627	51.4518	2.4588	8.7267	764.1505	2.8103
07:32:36	337.85	5.31	563.13	769.23	349.21	70.76	1,702.88	99.7281	107.2627	51.5649	2.4786	8.7810	769.1438	2.8246
07:32:37	337.85	5.28	563.13	763.13	355.31	71.25	1,701.36	99.4095	106.8484	51.3387	2.4984	8.8352	774.0712	2.8389
07:32:38	337.85	5.28	563.13	1,311.35	3,041.51	70.28	1,701.36	100.3654	107.8258	51.3387	2.5183	8.8898	779.0110	2.8532
07:32:39	337.97	5.26	563.13	1,501.83	5,000.00	71.01	1,701.36	100.3654	107.8091	51.4518	2.5383	8.9444	783.9392	2.8674
07:32:40	294.26	5.23	534.80	760.68	1,059.83	71.25	1,734.92	99.5688	106.9094	51.4518	2.5580	8.9985	788.7976	2.8817
07:32:41	294.26	5.23	534.80	760.68	1,059.83	71.25	1,734.92	171.0990	183.7131	51.3387	2.5920	9.0915	797.1462	2.8960
07:32:42	294.26	5.18	534.80	620.27	328.45	70.04	1,698.31	195.9514	210.3218	51.3387	2.6309	9.1981	806.6546	2.9103
07:32:43	294.14	5.18	534.80	555.56	274.73	71.25	1,689.66	99.2502	106.4819	52.4695	2.6481	9.2493	811.4435	2.9248
07:32:44	294.14	5.18	534.80	555.56	274.73	71.25	1,689.66	99.2502	106.4819	52.4695	2.6652	9.3005	816.2324	2.9394
07:32:45	294.26	5.13	534.80	484.74	246.64	71.25	1,680.00	80.9295	86.7682	51.2256	2.6792	9.3422	820.0968	2.9536
07:32:46	294.26	5.13	534.80	460.32	241.76	70.28	1,673.90	72.4861	77.7156	50.9995	2.6917	9.3796	823.5580	2.9678
07:32:47	294.26	5.10	534.80	424.91	222.22	71.25	1,695.26	72.4861	77.7156	50.9995	2.7043	9.4170	827.0192	2.9820
07:32:48	294.26	5.08	534.80	438.34	222.22	71.25	1,695.26	63.2461	67.7705	50.6602	2.7152	9.4496	830.0124	2.9960
07:32:49	294.26	5.06	508.91	438.34	229.55	71.01	1,701.36	60.0599	64.3564	50.5471	2.7255	9.4805	832.8549	3.0101
07:32:50	232.72	5.06	508.91	488.40	247.86	71.01	1,696.27	55.4399	59.3783	51.3387	2.7351	9.5091	835.4596	3.0243
07:32:51	232.84	5.04	508.91	488.40	247.86	71.01	1,696.27	57.1923	61.2394	51.3387	2.7450	9.5385	838.1355	3.0386
07:32:52	232.84	5.02	508.91	485.96	244.20	70.28	1,700.34	57.1923	61.2205	51.3387	2.7548	9.5665	840.7984	3.0529
07:32:53	232.84	5.02	508.91	479.85	242.98	71.01	1,698.81	63.7240	68.2045	51.2256	2.7635	9.5978	843.7650	3.0671
07:32:54	232.84	5.01	509.40	472.53	233.21	71.01	1,696.78	63.7240	68.1905	51.2256	2.7722	9.6290	846.7218	3.0813
07:32:55	232.84	4.99	509.40	456.65	230.77	70.76	1,696.78	63.4054	67.8320	51.4518	2.7809	9.6600	849.6517	3.0956
07:32:56	232.84	4.99	508.91	446.89	228.33	71.01	1,696.78	62.6089	66.9799	51.3387	2.7894	9.6907	852.5448	3.1099
07:32:57	232.84	4.99	508.91	446.89	225.89	71.25	1,697.80	61.6530	65.9437	51.3387	2.7978	9.7209	855.3843	3.1241
07:32:58	232.84	4.97	508.91	451.77	224.66	71.01	1,697.80	59.5820	63.7121	51.3387	2.8059	9.7501	858.1170	3.1384
07:32:59	232.84	4.97	508.91	451.77	224.66	71.01	1,697.80	58.3075	62.3492	51.3387	2.8139	9.7786	860.7912	3.1527
07:33:00	232.72	4.97	496.70	449.33	224.66	71.25	1,697.80	58.3075	62.3492	51.2256	2.8218	9.8071	863.4654	3.1669
07:33:01	191.09	4.95	496.70	448.11	225.89	71.25	1,699.83	58.9447	63.0144	51.2256	2.8299	9.8360	866.1576	3.1811
07:33:02	191.09	4.94	496.70	434.68	228.33	71.01	1,694.75	58.9447	63.0144	51.2256	2.8379	9.8648	868.8498	3.1954
07:33:03	191.09	4.94	496.70	431.01	229.55	71.01	1,694.75	58.6261	62.6738	51.2256	2.8459	9.8928	871.5274	3.2096
07:33:04	191.09	4.94	496.70	432.23	231.99	70.52	1,696.27	58.4668	62.4858	51.4518	2.8524	9.9207	874.1886	3.2239
07:33:05	191.09	4.94	496.70	432.23	231.99	70.52	1,696.27	56.7144	60.6035	51.2256	2.8588	9.9478	876.7636	3.2381
07:33:06	190.96	4.92	496.21	435.90	230.77	70.28	1,696.27	56.2365	60.0928	51.3387	2.8650	9.9747	879.3168	3.2524

07:33:07	190.96	4.90	496.70	435.90	228.33	71.01	1,696.27	56.3958	60.2631	51.3387	2.8714	10.0016	881.8773	3.2666
07:33:08	191.09	4.90	496.70	435.90	228.33	71.01	1,696.27	56.3958	60.2631	51.3387	2.8777	10.0285	884.4377	3.2809
07:33:09	191.09	4.86	496.70	433.46	225.89	71.49	1,697.29	56.8737	60.7549	51.3387	2.8840	10.0556	887.0068	3.2951
07:33:10	191.09	4.86	486.45	439.56	227.11	70.28	1,697.29	56.8737	60.7455	51.3387	2.8904	10.0827	889.5694	3.3094
07:33:11	154.95	4.78	486.45	439.56	217.34	70.28	1,697.29	56.8737	60.7455	51.1125	2.8967	10.1099	892.1320	3.3236
07:33:12	154.95	4.73	486.94	439.56	217.34	70.28	1,697.29	56.5551	60.3678	51.3387	2.9030	10.1368	894.6544	3.3379
07:33:13	154.95	4.73	486.94	435.90	216.12	70.04	1,698.81	57.3516	61.2181	51.2256	2.9094	10.1636	897.2122	3.3521
07:33:14	154.95	4.59	486.94	451.77	244.20	70.28	1,696.78	57.3516	61.1540	51.3387	2.9146	10.1904	899.7284	3.3664
07:33:15	154.95	4.55	486.94	448.11	242.98	71.25	1,696.78	57.3516	61.1129	51.3387	2.9198	10.2171	902.2162	3.3806
07:33:16	154.95	4.55	486.94	448.11	242.98	71.25	1,696.78	56.8737	60.6036	51.2256	2.9249	10.2437	904.6832	3.3948
07:33:17	154.95	4.40	486.45	433.46	214.90	70.04	1,699.32	58.9447	62.6938	51.3387	2.9303	10.2711	907.1596	3.4091
07:33:18	154.95	4.40	486.45	568.99	1,516.48	70.28	1,698.31	58.4668	62.1469	51.3387	2.9355	10.2983	909.5892	3.4234
07:33:19	154.95	4.24	342.37	448.11	1,043.96	71.25	1,699.32	58.4668	62.1469	51.3387	2.9408	10.3256	912.0189	3.4376
07:33:20	135.41	4.17	341.88	432.23	1,043.96	71.25	1,699.32	56.5551	60.0030	51.2256	2.9459	10.3518	914.2922	3.4519
07:33:21	135.41	4.17	341.88	432.23	534.80	70.28	1,699.32	74.2385	78.7645	51.2256	2.9526	10.3863	917.2764	3.4661
07:33:22	135.41	3.99	341.88	435.90	264.96	71.01	1,699.32	58.4668	61.8998	51.4518	2.9578	10.4053	919.5363	3.4804
07:33:23	135.41	3.92	341.88	435.90	249.08	70.28	1,698.31	56.3958	59.6494	51.4518	2.9623	10.4237	921.6780	3.4947
07:33:24	135.41	3.92	341.88	435.90	249.08	70.28	1,698.31	56.3958	59.6494	51.3387	2.9667	10.4420	923.8197	3.5089
07:33:25	135.41	3.85	342.37	431.01	206.35	70.76	1,613.90	56.8737	60.0118	51.3387	2.9711	10.4605	925.8817	3.5232
07:33:26	135.41	3.71	341.88	439.56	199.02	70.76	1,620.00	56.8737	59.9558	51.3387	2.9756	10.4789	927.9056	3.5375
07:33:27	135.41	3.71	341.88	555.56	235.65	70.28	1,626.61	56.8737	59.9558	51.3387	2.9800	10.4973	929.9294	3.5517
07:33:28	135.41	3.67	341.88	763.13	300.37	70.76	1,636.27	56.2365	59.2226	48.6248	2.9844	10.5156	931.8887	3.5652
07:33:29	135.41	3.58	195.85	1,185.59	423.69	71.25	1,639.32	57.3516	60.2875	48.8509	2.9889	10.5341	933.8124	3.5788
07:33:30	135.41	3.53	196.34	1,390.72	489.62	70.28	1,641.36	72.4861	76.1967	49.0771	2.9945	10.5575	936.2436	3.5924
07:33:31	116.48	3.44	195.85	1,567.77	567.77	70.04	1,642.88	99.5688	104.6115	49.3033	3.0023	10.5897	939.5465	3.6061
07:33:32	116.48	3.39	195.85	1,836.39	1,682.54	70.28	1,644.92	154.6901	162.3305	49.4163	3.0143	10.6183	944.5462	3.6198
07:33:33	116.48	3.27	195.85	1,694.75	1,689.86	71.01	1,648.48	181.4542	190.2979	49.4163	3.0284	10.6519	950.3306	3.6336
07:33:34	116.48	3.21	195.85	1,694.75	1,689.86	71.01	1,648.48	204.5541	214.2603	49.5294	3.0421	10.6896	956.6779	3.6473
07:33:35	116.48	3.21	196.34	1,660.56	1,013.43	70.76	1,648.48	239.6023	250.7760	49.6425	3.0581	10.7338	963.9806	3.6611
07:33:36	116.48	3.09	195.85	1,894.99	2,061.05	70.28	1,651.53	221.1224	231.0738	49.6425	3.0728	10.7745	970.4767	3.6749
07:33:37	116.48	3.03	195.85	2,006.10	2,521.37	70.76	1,651.53	221.1224	230.8937	49.6425	3.0875	10.8152	976.8514	3.6887
07:33:38	116.48	2.98	165.57	1,766.79	1,360.19	71.25	1,651.53	216.6617	226.2359	49.7556	3.1020	10.8551	983.0975	3.7025
07:33:39	116.48	2.93	165.57	1,737.48	838.83	70.52	1,654.58	247.2492	257.7593	49.7556	3.1184	10.9005	989.9456	3.7163
07:33:40	109.65	2.87	165.57	2,211.23	2,361.42	71.25	1,654.58	261.7464	272.6457	49.8687	3.1358	10.9485	997.0426	3.7302
07:33:41	109.65	2.82	166.06	1,841.27	1,556.78	70.28	1,656.61	230.5217	239.9709	49.9817	3.1511	10.9843	1,003.1924	3.7441
07:33:42	109.65	2.82	166.06	1,841.27	1,556.78	70.28	1,656.61	226.6982	235.8311	50.0948	3.1661	11.0194	1,009.1331	3.7580
07:33:43	109.65	2.75	165.57	1,710.62	739.93	70.76	1,657.63	288.5106	299.9113	49.9817	3.1841	11.0640	1,016.5471	3.7719
07:33:44	109.65	2.69	165.57	1,721.61	738.71	70.76	1,657.63	240.2396	249.5509	49.9817	3.1991	11.1013	1,022.5987	3.7858
07:33:45	109.65	2.67	165.57	1,768.01	754.58	70.52	1,679.49	240.2396	249.5509	49.9817	3.2141	11.1386	1,028.6503	3.7996
07:33:46	109.65	2.63	166.06	1,798.53	757.02	70.28	1,688.14	223.1934	231.6268	50.0948	3.2280	11.1731	1,034.1273	3.8136
07:33:47	109.65	2.61	165.57	1,798.53	757.02	70.28	1,688.14	224.6272	232.9327	50.0948	3.2420	11.2077	1,039.5178	3.8275
07:33:48	109.65	2.57	165.57	1,857.14	776.56	70.28	1,700.85	230.6810	239.1604	50.6602	3.2564	11.2434	1,045.0202	3.8415
07:33:49	109.65	2.57	165.57	1,857.14	776.56	70.28	1,700.85	234.6637	243.1375	50.7733	3.2709	11.2797	1,050.5162	3.8556
07:33:50	109.65	2.55	133.33	1,866.91	808.30	71.49	1,708.98	234.6637	243.0742	50.7733	3.2855	11.3159	1,055.9699	3.8698
07:33:51	150.92	2.52	133.33	1,884.00	832.72	70.52	1,713.05	242.3106	250.8512	51.3387	3.3006	11.3532	1,061.5054	3.8840
07:33:52	150.79	2.51	133.33	1,830.28	947.50	71.73	1,714.07	242.3106	250.8512	51.3387	3.3157	11.3906	1,067.0409	3.8983
07:33:53	150.92	2.54	133.82	1,788.77	877.90	71.73	1,713.05	243.5851	252.1049	51.5649	3.3308	11.4208	1,072.5618	3.9126
07:33:54	150.79	2.57	133.82	1,691.09	749.69	71.49	1,712.04	245.8154	254.3530	51.7910	3.3518	11.4513	1,078.0806	3.9270
07:33:55	150.79	2.57	133.82	1,691.09	749.69	71.49	1,712.04	238.8058	247.0612	51.6780	3.3722	11.4809	1,083.4163	3.9413
07:33:56	150.92	2.67	133.33	1,564.10	688.64	71.01	1,708.48	233.3892	241.5456	51.6780	3.3922	11.5100	1,088.6897	3.9557
07:33:57	150.92	2.67	133.33	1,564.10	688.64	71.01	1,708.48	220.6445	228.4626	51.6780	3.4110	11.5375	1,093.7465	3.9700
07:33:58	150.79	2.76	133.82	1,506.71	676.43	70.52	1,708.48	220.6445	228.4626	51.6780	3.4299	11.5650	1,098.8034	3.9844
07:33:59	150.79	2.89	575.34	1,551.89	658.12	71.01	1,706.95	204.0762	211.5938	51.5649	3.4474	11.5904	1,103.6716	3.9987
07:34:00	221.49	2.89	575.34	1,551.89	658.12	71.01	1,706.95	204.0762	211.5938	51.5649	3.4649	11.6157	1,108.5398	4.0131
07:34:01	221.37	3.09	574.85	1,565.32	678.88	71.01	1,706.95	196.5886	204.0534	51.5649	3.4817	11.6403	1,113.3785	4.0274
07:34:02	221.37	3.23	574.85	1,608.06	680.10	71.49	1,706.95	202.4831	210.5332	51.4518	3.4991	11.7492	1,118.6041	4.0417
07:34:03	221.37	3.32	575.34	1,632.48	714.29	70.52	1,706.95	202.4831	210.5606	51.4518	3.5246	11.8582	1,123.8305	4.0560
07:34:04	221.37	3.47	574.85	1,633.70	726.50	71.73	1,706.95	204.2355	212.9693	51.4518	3.5504	11.9683	1,129.4957	4.0703
07:34:05	221.37	3.57	574.85	1,641.03	735.04	70.52	1,707.97	209.8114	219.1821	51.5649	3.5770	12.0816	1,135.5839	4.0846
07:34:06	221.37	3.57	574.85	1,641.03	735.04	70.52	1,707.97	212.9976	222.7883	51.4518	3.6040	12.1969	1,141.9519	4.0989
07:34:07	221.49	3.77	574.85	1,632.48	717.95	71.73	1,706.44	213.1569	223.3838	51.5649	3.6311	12.3123	1,148.6144	4.1132
07:34:08	221.37	3.92	574.85	1,633.70	725.27	71.73	1,707.97	214.1127	224.6770	51.5649	3.6583	12.4285	1,155.5042	4.1275
07:34:09	221.37	3.92	574.85	1,633.70	725.27	71.73	1,707.97	214.1127	224.6770	51.5649	3.6855	12.5446	1,162.3940	4.1418
07:34:10	221.49	4.09	1,015.87	1,638.58	726.50	71.73	1,705.93	212.9976	224.1107	51.6780	3.7127	12.6605	1,169.6579	4.1562
07:34:11	274.85	4.23	1,015.87	1,588.52	705.74	71.73	1,705.93	213.1569	224.7322	51.5649	3.7399	12.7767	1,177.2363	4.1705
07:34:12	274.85	4.23	1,015.87	1,588.52	705.74	70.76	1,705.93	213.1569	224.7322	51.5649	3.7672	12.8929	1,184.8146	4.1848
07:34:13	274.85	4.69	1,015.87	1,637.36	706.96	71.73	1,705.93	213.7941	225.9185	51.5649	3.7946	13.0993	1,192.7669	4.1992

07:34:14	274.85	4.69	1,015.87	1,637.36	706.96	71.73	1,705.93	207.2624	219.4351	51.3387	3.8276	13.2997	1,200.7489	4.2134
07:34:15	274.97	4.79	1,015.87	1,626.37	703.30	71.25	1,704.92	207.2624	219.4351	51.3387	3.8606	13.5002	1,208.7309	4.2277
07:34:16	274.97	4.96	1,015.38	1,593.41	676.43	71.01	1,705.93	213.6348	227.5545	51.4518	3.8949	13.7081	1,217.9025	4.2420
07:34:17	274.97	5.05	1,015.38	1,587.30	654.46	70.52	1,704.92	213.6348	227.5545	51.4518	3.9291	13.9160	1,227.0740	4.2563
07:34:18	274.97	5.05	1,015.38	1,587.30	654.46	71.73	1,704.92	212.2010	226.3311	51.4518	3.9632	14.1228	1,236.3939	4.2706
07:34:19	274.97	5.21	1,015.87	1,599.51	649.57	71.01	1,704.92	207.8996	222.2362	51.4518	3.9966	14.3257	1,245.8662	4.2849
07:34:20	274.85	5.28	1,016.36	1,609.28	643.47	71.73	1,707.46	207.1031	221.6705	51.4518	4.0300	14.5282	1,255.5005	4.2991
07:34:21	328.33	5.49	1,134.06	1,604.40	648.35	70.76	1,706.44	207.1031	221.6705	51.4518	4.0634	14.7306	1,265.1348	4.3134
07:34:22	328.33	5.58	1,133.58	1,597.07	655.68	70.76	1,704.92	208.6962	223.8254	51.4518	4.0971	14.9351	1,275.1559	4.3277
07:34:23	328.45	5.74	1,134.06	1,576.31	658.12	70.52	1,703.90	209.9707	225.4129	51.4518	4.1310	15.1411	1,285.3919	4.3420
07:34:24	328.33	5.81	1,133.58	1,564.10	655.68	70.76	1,702.88	209.3334	225.3770	51.5649	4.1715	15.3710	1,296.0351	4.3563
07:34:25	328.45	5.91	1,134.06	1,559.22	664.22	71.73	1,703.90	208.3776	224.6021	51.3387	4.2119	15.5999	1,306.8077	4.3706
07:34:26	328.33	5.98	1,134.06	1,579.97	673.99	70.52	1,703.90	205.6693	222.1628	51.5649	4.2518	15.8265	1,317.7767	4.3849
07:34:27	328.33	6.02	1,133.58	1,590.96	703.30	70.52	1,705.93	204.0762	220.6461	51.4518	4.2915	16.0515	1,328.8041	4.3992
07:34:28	328.45	6.13	1,254.21	1,632.48	717.95	71.73	1,704.41	203.4390	220.2401	51.4518	4.3311	16.2761	1,339.9963	4.4135
07:34:29	328.45	6.17	1,254.70	1,632.48	693.53	70.76	1,707.46	206.1472	223.3901	51.3387	4.3713	16.5039	1,351.4910	4.4278
07:34:30	328.45	6.17	1,254.70	1,632.48	693.53	70.76	1,707.46	207.5810	225.0595	51.3387	4.4117	16.7334	1,363.1473	4.4420
07:34:31	365.69	6.26	1,254.70	1,659.34	648.35	70.52	1,707.46	212.9976	231.2527	51.4518	4.4533	16.9942	1,375.3340	4.4563
07:34:32	365.69	6.32	1,254.70	1,656.90	630.04	71.25	1,707.46	212.9976	231.3716	51.5649	4.4949	17.2553	1,387.6047	4.4707
07:34:33	365.69	6.36	1,254.70	1,665.44	617.83	70.52	1,710.51	212.9976	231.3716	51.5649	4.5365	17.5164	1,399.8754	4.4850
07:34:34	365.69	6.41	1,254.70	1,661.78	621.49	70.52	1,710.51	216.5024	235.4969	51.5649	4.5837	17.7821	1,412.5626	4.4993
07:34:35	365.69	6.44	1,254.70	1,653.23	623.93	71.49	1,709.49	216.1838	235.3315	51.5649	4.6308	18.0476	1,425.3595	4.5136
07:34:36	365.69	6.44	1,254.70	1,653.23	623.93	71.49	1,709.49	217.2989	236.6668	51.6780	4.6782	18.3147	1,438.3085	4.5280
07:34:37	365.69	6.49	1,254.70	1,641.03	648.35	70.76	1,711.02	216.8210	236.3039	51.6780	4.7255	18.5813	1,451.3408	4.5423
07:34:38	365.69	6.49	1,254.70	1,637.36	648.35	70.76	1,711.02	215.7058	235.1851	51.7910	4.7726	18.8467	1,464.3746	4.5567
07:34:39	365.69	6.54	1,214.16	1,643.47	643.47	71.01	1,711.02	215.7058	235.1851	51.7910	4.8196	19.1121	1,477.4084	4.5711
07:34:40	365.69	6.54	1,214.16	1,643.47	643.47	71.01	1,711.02	214.1127	233.6039	51.6780	4.8664	19.3757	1,490.4565	4.5855
07:34:41	376.43	6.59	1,214.16	1,634.92	647.13	71.49	1,712.54	213.6348	233.0824	51.6780	4.9131	19.6387	1,503.4756	4.5998
07:34:42	376.43	6.59	1,214.16	1,634.92	647.13	71.49	1,712.54	214.4314	234.0835	51.6780	4.9600	19.8943	1,516.6370	4.6142
07:34:43	376.56	6.60	1,214.65	1,639.80	650.79	70.52	1,711.53	214.4314	234.0835	51.6780	5.0068	20.1499	1,529.7984	4.6285
07:34:44	376.43	6.61	1,213.68	1,612.94	649.57	70.52	1,710.00	213.3162	233.0261	51.5649	5.0548	20.4044	1,543.0022	4.6428
07:34:45	376.43	6.64	1,214.16	1,598.29	637.36	70.76	1,707.97	213.3162	233.0261	51.5649	5.1029	20.6588	1,556.2059	4.6572
07:34:46	376.43	6.64	1,214.16	1,590.96	637.36	70.76	1,707.97	213.9534	233.7582	51.6780	5.1511	20.9142	1,569.4747	4.6715
07:34:47	376.43	6.64	1,214.16	1,590.96	643.47	70.28	1,705.43	210.4486	229.9642	51.6780	5.1985	21.1652	1,582.5513	4.6859
07:34:48	376.43	6.66	1,174.11	1,599.51	628.82	70.28	1,702.88	208.5369	227.9571	51.4518	5.2454	21.4141	1,595.5673	4.7002
07:34:49	376.43	6.66	1,174.11	1,599.51	628.82	70.28	1,702.88	207.5810	226.9122	51.4518	5.2922	21.6619	1,608.5237	4.7145
07:34:50	386.45	6.66	1,174.11	1,575.09	641.03	70.52	1,701.36	207.5810	226.9122	51.5649	5.3390	21.9096	1,621.4801	4.7288
07:34:51	386.57	6.68	1,174.11	1,560.44	638.58	70.52	1,701.36	208.6962	228.1897	51.4518	5.3860	22.1506	1,634.5477	4.7431
07:34:52	386.57	6.68	1,174.11	1,556.78	648.35	70.52	1,701.36	208.6962	228.1897	51.4518	5.4330	22.3915	1,647.6154	4.7574
07:34:53	386.57	6.66	1,173.63	1,567.77	659.34	70.52	1,701.36	205.5100	224.7100	51.3387	5.4806	22.6288	1,660.4838	4.7716
07:34:54	386.57	6.66	1,173.63	1,567.77	659.34	70.52	1,701.36	203.5983	222.6768	51.4518	5.5277	22.8639	1,673.2731	4.7859
07:34:55	386.57	6.66	1,174.11	1,588.52	675.21	71.49	1,701.36	203.1203	222.1541	51.3387	5.5747	23.0985	1,686.0324	4.8002
07:34:56	386.57	6.66	1,174.11	1,588.52	697.19	70.52	1,703.39	204.5541	223.6763	51.4518	5.6221	23.3346	1,698.8491	4.8145
07:34:57	386.45	6.66	1,174.11	1,579.97	680.10	70.52	1,704.92	204.5541	223.6763	51.4518	5.6694	23.5707	1,711.6658	4.8288
07:34:58	386.57	6.67	1,174.11	1,677.66	748.47	70.52	1,705.93	207.2624	226.6378	51.3387	5.7174	23.8100	1,724.6522	4.8430
07:34:59	386.57	6.67	1,174.11	1,677.66	748.47	70.52	1,708.98	207.2624	226.6378	51.4518	5.7653	24.0493	1,737.6386	4.8573
07:35:00	360.68	6.69	1,178.51	1,722.83	766.79	70.52	1,708.98	206.1472	225.4183	51.4518	5.8130	24.2873	1,750.5551	4.8716
07:35:01	360.56	6.69	1,178.51	1,702.07	830.28	71.73	1,710.00	218.8920	239.3914	51.5649	5.8637	24.5401	1,764.2964	4.8859
07:35:02	360.56	6.69	1,178.51	1,702.07	830.28	71.73	1,712.54	218.8920	239.3914	51.5649	5.9144	24.7929	1,778.0377	4.9003
07:35:03	360.81	6.68	1,178.02	1,697.19	776.56	70.76	1,715.09	224.7865	245.8893	51.5649	5.9629	25.0535	1,792.1933	4.9146
07:35:04	360.81	6.68	1,178.02	1,697.19	776.56	71.25	1,712.54	222.0782	242.9267	51.6780	6.0109	25.3110	1,806.1783	4.9289
07:35:05	360.56	6.68	1,178.02	1,664.22	755.80	71.98	1,708.98	222.0782	242.9267	51.6780	6.0588	25.5684	1,820.1633	4.9433
07:35:06	360.68	6.67	1,178.02	1,664.22	755.80	71.73	1,708.98	221.4410	242.1925	51.7910	6.1067	25.8250	1,834.0817	4.9577
07:35:07	360.68	6.67	1,178.51	1,658.12	747.25	70.76	1,707.46	221.4410	242.1925	51.5649	6.1545	26.0816	1,848.0000	4.9720
07:35:08	360.68	6.67	1,178.02	1,642.25	727.72	71.73	1,706.95	217.1396	237.4879	51.6780	6.2014	26.3332	1,861.6480	4.9864
07:35:09	360.68	6.66	1,182.42	1,652.01	727.72	71.73	1,706.95	217.1396	237.4515	51.5649	6.2483	26.5848	1,875.2700	5.0007
07:35:10	360.68	6.66	1,182.42	1,652.01	728.94	71.98	1,706.95	216.3431	236.5804	51.5649	6.2950	26.8355	1,888.8420	5.0150
07:35:11	345.30	6.66	1,181.93	1,627.59	726.50	71.73	1,705.93	214.2720	234.3156	51.5649	6.3413	27.0838	1,902.2840	5.0293
07:35:12	345.30	6.65	1,181.93	1,632.48	727.72	71.01	1,704.92	215.5465	235.6731	51.5649	6.3878	27.3344	1,915.7802	5.0437
07:35:13	345.30	6.65	1,182.42	1,632.48	727.72	71.01	1,706.44	215.5465	235.6731	51.5649	6.4344	27.5850	1,929.2764	5.0580
07:35:14	345.30	6.65	1,182.42	1,617.83	736.26	71.01	1,706.44	212.3603	232.1828	51.5649	6.4783	27.8318	1,942.5728	5.0723
07:35:15	345.30	6.63	1,181.93	1,615.38	720.39	72.22	1,706.44	212.9976	232.8438	51.4518	6.5223	28.0793	1,955.8835	5.0866
07:35:16	345.30	6.63	1,181.93	1,630.04	695.97	71.01	1,706.44	212.9976	232.8438	51.5649	6.5663	28.3269	1,969.1942	5.1009
07:35:17	345.30	6.63	1,182.42	1,623.93	687.42	71.01	1,708.48	211.0859	230.7539	51.4518	6.6099	28.5723	1,982.3854	5.1152
07:35:18	345.30	6.63	1,182.42	1,623.93	687.42	71.01	1,708.48	210.7672	230.3584	51.4518	6.6535	28.8171	1,995.5231	5.1295
07:35:19	345.30	6.63	1,181.93	1,617.83	667.89	71.98	1,708.48	212.6789	232.4478	51.4518	6.6974	29.0642	2,008.7800	5.1438
07:35:20	345.30	6.63	1,190.23	1,611.72	653.24	71.49	1,708.48	211.8824	231.5772	51.4518	6.7412	29.3105	2,021.9872	5.1581

07:35:21	329.30	6.64	1,190.23	1,564.10	636.14	71.01	1,659.15	211.8824	231.5772	51.5649	6.7850	29.5567	2,035.1944	5.1724
07:35:22	329.43	6.64	1,190.23	1,286.94	567.77	71.98	1,598.65	211.0859	230.7066	51.5649	6.8286	29.8020	2,048.3519	5.1867
07:35:23	329.43	6.64	1,190.23	1,286.94	567.77	71.01	1,598.65	210.2893	229.8360	51.5649	6.8720	30.0480	2,061.4598	5.2011
07:35:24	329.43	6.63	1,190.23	663.00	347.99	71.98	1,513.73	204.0762	223.0732	50.2079	6.9123	30.2868	2,074.2045	5.2150
07:35:25	329.30	6.63	1,190.23	400.49	239.32	71.01	1,480.17	167.9129	183.5435	48.2855	6.9454	30.4832	2,084.6907	5.2284
07:35:26	329.30	6.63	1,190.23	400.49	239.32	71.01	1,398.81	167.9129	183.5435	48.2855	6.9785	30.6797	2,095.1770	5.2418
07:35:27	329.30	6.63	1,189.74	337.00	207.57	71.49	1,347.97	86.5054	94.5386	45.5716	6.9955	30.7809	2,100.5655	5.2545
07:35:28	329.30	6.61	1,190.23	293.04	184.37	71.98	1,285.42	52.2537	57.1062	42.2922	7.0058	30.8420	2,103.8204	5.2662
07:35:29	329.30	6.61	1,198.05	247.86	155.07	71.01	1,180.17	52.2537	57.1062	42.2922	7.0161	30.9032	2,107.0753	5.2780
07:35:30	329.30	6.61	1,197.56	224.66	133.09	71.01	1,120.17	43.9696	48.0528	40.5960	7.0248	30.9546	2,109.8143	5.2893
07:35:31	329.30	6.61	1,197.56	224.66	133.09	71.98	1,120.17	38.2344	41.7743	38.7867	7.0323	30.9993	2,112.1883	5.3000
07:35:32	319.29	6.63	1,197.56	175.82	98.90	71.25	975.25	32.3400	35.3341	35.5074	7.0387	31.0374	2,114.1963	5.3099
07:35:33	319.41	6.61	1,197.56	157.51	91.58	71.01	918.31	29.3131	32.0270	33.8112	7.0444	31.0718	2,116.0164	5.3193
07:35:34	319.29	6.62	1,197.56	136.75	84.25	71.98	833.90	29.3131	32.0270	33.8112	7.0502	31.1063	2,117.8365	5.3287
07:35:35	319.17	6.62	1,197.56	124.54	80.59	71.01	778.98	22.9406	25.0705	29.2879	7.0546	31.1333	2,119.2655	5.3368
07:35:36	319.29	6.62	1,197.56	113.55	75.70	71.73	724.07	20.5510	22.4533	27.5917	7.0585	31.1575	2,120.5415	5.3445
07:35:37	319.29	6.62	1,197.56	105.01	69.60	71.49	736.27	17.8427	19.4983	25.1040	7.0619	31.1785	2,121.6522	5.3515
07:35:38	319.41	6.62	1,197.56	102.56	67.16	70.76	785.09	16.2496	17.7574	23.2946	7.0650	31.1976	2,122.6637	5.3579
07:35:39	319.41	6.62	1,197.56	102.56	67.16	70.76	785.09	14.8158	16.1906	21.8246	7.0679	31.2151	2,123.5860	5.3640
07:35:40	319.41	6.62	1,170.21	98.90	64.71	71.49	694.07	13.7007	14.9719	19.5630	7.0705	31.2312	2,124.4389	5.3694
07:35:41	309.04	6.62	1,169.72	98.90	63.49	71.73	731.70	13.3820	14.6237	17.6406	7.0730	31.2470	2,125.2719	5.3743
07:35:42	308.91	6.62	1,170.21	98.90	64.71	71.25	720.51	13.3820	14.6237	17.6406	7.0756	31.2627	2,126.1049	5.3792
07:35:43	308.91	6.60	1,169.72	102.56	64.71	71.49	703.22	12.9041	14.1015	13.6828	7.0781	31.2775	2,126.9082	5.3830
07:35:44	308.91	6.60	1,170.70	107.45	65.93	71.73	694.58	12.9041	14.1012	11.7604	7.0805	31.2924	2,127.7115	5.3863
07:35:45	309.04	6.59	1,169.72	102.56	64.71	71.49	694.58	12.9041	14.1012	9.7250	7.0828	31.3072	2,128.5148	5.3890
07:35:46	309.04	6.60	1,169.72	101.34	64.71	71.73	694.58	13.3820	14.6197	8.3680	7.0853	31.3226	2,129.3451	5.3913
07:35:47	309.04	6.58	1,169.72	98.90	64.71	70.76	682.37	14.0193	15.3159	7.1241	7.0879	31.3387	2,130.2150	5.3933
07:35:48	308.91	6.57	1,170.21	97.68	63.49	71.73	676.27	13.3820	14.6167	5.2017	7.0904	31.3541	2,131.0432	5.3947
07:35:49	309.04	6.52	1,141.88	97.68	62.27	70.76	672.20	13.2227	14.4449	3.6186	7.0928	31.3693	2,131.8631	5.3957
07:35:50	309.04	6.47	1,141.88	97.68	62.27	71.49	675.76	12.9041	14.0932	2.1485	7.0952	31.3841	2,132.6607	5.3963
07:35:51	280.34	6.42	1,142.37	100.12	62.27	71.49	675.76	12.7448	13.9171	1.2439	7.0976	31.3988	2,133.4470	5.3967
07:35:52	280.34	6.33	1,141.88	100.12	62.27	70.76	675.76	12.7448	13.9078	0.1131	7.0999	31.4131	2,134.2266	5.3967
07:35:53	280.22	6.24	1,141.88	97.68	61.05	71.49	717.46	12.7448	13.8993	0.1131	7.1023	31.4273	2,135.0002	5.3968
07:35:54	280.22	6.10	1,142.37	97.68	61.05	71.73	722.54	13.0634	14.2372	0.1131	7.1044	31.4420	2,135.7868	5.3968
07:35:55	280.22	6.00	1,141.88	97.68	61.05	71.73	723.56	13.0634	14.2204	0.1131	7.1066	31.4566	2,136.5615	5.3968
07:35:56	280.34	5.88	1,141.39	100.12	62.27	71.73	725.59	12.7448	13.8572	0.1131	7.1088	31.4708	2,137.3057	5.3968
07:35:57	280.22	5.72	1,141.88	101.34	64.71	70.76	725.59	12.7448	13.8309	0.0000	7.1109	31.4850	2,138.0314	5.3968
07:35:58	280.22	5.61	1,141.88	101.34	65.93	71.25	725.59	12.7448	13.8125	0.0000	7.1130	31.4992	2,138.7439	5.3968
07:35:59	280.22	5.49	1,141.88	101.34	67.16	71.49	725.59	13.0634	14.1352	0.0000	7.1152	31.5137	2,139.4585	5.3968
07:36:00	280.34	5.37	679.36	102.56	69.60	71.25	727.12	13.2227	14.2789	0.0000	7.1174	31.5284	2,140.1616	5.3968
07:36:01	232.84	5.19	678.88	103.79	72.04	71.49	727.12	13.2227	14.2569	0.1131	7.1195	31.5430	2,140.8492	5.3969
07:36:02	232.84	5.05	678.88	102.56	73.26	70.76	727.12	13.2227	14.2342	0.1131	7.1217	31.5576	2,141.5209	5.3969
07:36:03	232.84	4.83	679.36	101.34	73.26	71.49	726.10	13.3820	14.3834	0.1131	7.1239	31.5664	2,142.1852	5.3969
07:36:04	232.84	4.71	679.36	102.56	73.26	71.49	726.10	13.5413	14.5181	0.0000	7.1258	31.5753	2,142.8327	5.3969
07:36:05	232.84	4.48	679.36	102.56	72.04	71.49	728.14	13.3820	14.3215	0.1131	7.1276	31.5840	2,143.4547	5.3970
07:36:06	232.84	4.34	678.88	102.56	74.48	71.49	727.12	13.2227	14.1109	0.1131	7.1294	31.5926	2,144.0414	5.3970
07:36:07	232.84	4.20	678.88	103.79	75.70	71.01	727.12	13.3820	14.2565	0.0000	7.1312	31.6013	2,144.6184	5.3970
07:36:08	232.84	3.97	678.88	106.23	76.92	71.73	727.12	13.3820	14.2139	0.0000	7.1330	31.6100	2,145.1660	5.3970
07:36:09	232.84	3.86	679.36	105.01	74.48	70.76	725.59	13.3820	14.1882	0.1131	7.1349	31.6187	2,145.6959	5.3970
07:36:10	232.84	3.72	216.36	102.56	72.04	71.98	727.12	13.5413	14.3296	0.1131	7.1367	31.6274	2,146.2133	5.3971
07:36:11	210.99	3.55	216.36	100.12	70.82	71.01	727.12	13.8600	14.6228	0.0000	7.1385	31.6364	2,146.7128	5.3971
07:36:12	210.99	3.45	216.36	98.90	70.82	70.76	725.59	13.7007	14.4330	0.1131	7.1404	31.6452	2,147.1918	5.3971
07:36:13	210.99	3.30	216.85	98.90	72.04	71.73	728.64	13.3820	14.0710	0.0000	7.1422	31.6479	2,147.6417	5.3971
07:36:14	210.99	3.22	216.36	97.68	70.82	71.49	674.24	13.0634	13.7042	0.0000	7.1438	31.6506	2,148.0596	5.3971
07:36:15	210.99	3.08	216.36	96.46	68.38	72.22	431.19	12.9041	13.5195	0.1131	7.1453	31.6532	2,148.4606	5.3971
07:36:16	210.99	3.00	216.36	90.35	62.27	72.22	65.59	12.9041	13.4921	0.0000	7.1469	31.6558	2,148.8431	5.3971
07:36:17	210.99	2.92	216.36	74.48	48.84	72.22	3.05	12.7448	13.3117	0.1131	7.1484	31.6584	2,149.2115	5.3972
07:36:18	210.99	2.86	216.36	59.83	41.51	71.73	0.51	12.5855	13.1214	0.0000	7.1499	31.6610	2,149.5592	5.3972
07:36:19	210.87	2.77	216.36	47.62	34.19	72.22	0.51	11.7889	12.2782	0.0000	7.1514	31.6634	2,149.8763	5.3972
07:36:20	210.99	2.73	232.48	42.74	32.97	72.22	0.51	9.7179	10.1107	0.1131	7.1525	31.6653	2,150.1307	5.3972
07:36:21	172.41	2.65	231.99	40.29	30.53	71.73	0.51	7.8062	8.1149	0.1131	7.1535	31.6669	2,150.3305	5.3972
07:36:22	172.41	2.62	231.99	36.63	28.08	72.46	0.51	6.2131	6.4511	0.1131	7.1542	31.6682	2,150.4843	5.3973
07:36:23	172.41	2.56	231.99	34.19	26.86	72.70	0.51	5.5759	5.7858	0.1131	7.1549	31.6694	2,150.6200	5.3973
07:36:24	172.41	2.54	232.48	32.97	26.86	71.73	0.51	5.2572	5.4494	0.1131	7.1554	31.6705	2,150.7442	5.3973
07:36:25	172.41	2.47	231.99	32.97	25.64	72.70	0.51	4.7793	4.9519	0.1131	7.1559	31.6716	2,150.8558	5.3973
07:36:26	172.41	2.46	232.48	31.75	25.64	71.73	0.51	4.4607	4.6182	0.1131	7.1563	31.6725	2,150.9576	5.3974
07:36:27	172.41	2.43	232.48	30.53	24.42	72.70	0.51	4.3014	4.4519	0.1131	7.1567	31.6735	2,151.0548	5.3974

07:36:28	172.41	2.39	231.99	30.53	24.42	72.70	0.51	4.3014	4.4479	0.0000	7.1571	31.6744	2,151.1494	5.3974
07:36:29	172.41	2.36	231.99	29.30	24.42	71.49	0.51	4.1421	4.2823	0.1131	7.1575	31.6753	2,151.2398	5.3974
07:36:30	172.41	2.33	248.60	29.30	24.42	72.70	0.51	3.9828	4.1161	0.0000	7.1579	31.6761	2,151.3258	5.3974
07:36:31	149.33	2.33	248.60	29.30	23.20	71.73	0.51	3.9828	4.1139	0.1131	7.1583	31.6770	2,151.4104	5.3975
07:36:32	149.33	2.28	248.60	29.30	23.20	72.70	0.51	3.8234	3.9477	0.0000	7.1587	31.6778	2,151.4905	5.3975
07:36:33	149.45	2.27	248.11	28.08	23.20	71.73	0.51	3.8234	3.9463	0.1131	7.1591	31.6787	2,151.5696	5.3975
07:36:34	149.45	2.24	248.11	28.08	23.20	72.22	0.51	3.8234	3.9461	0.1131	7.1594	31.6796	2,151.6487	5.3975
07:36:35	149.45	2.21	248.60	28.08	23.20	72.22	0.51	3.8234	3.9437	0.1131	7.1597	31.6805	2,151.7262	5.3976
07:36:36	149.45	2.20	248.60	26.86	23.20	72.70	0.51	3.6641	3.7786	0.1131	7.1600	31.6813	2,151.8000	5.3976
								3.6641	3.7770	0.1131	7.1603	31.6822	2,151.8726	5.3976
								3.6641	3.7756	0.0000	7.1606	31.6830	2,151.9444	5.3976
								3.5048	3.6109	0.0000	7.1609	31.6838	2,152.0127	5.3976
								0.0000	0.0000	0.0000	7.1609	31.6838	2,152.0127	5.3976

09-MAY-93 07:54 LACMTA Emissions Testing Facility

Test : RTD MODIFIED COMMUTER PHASE OF ADB CYCLE
Test number : 1051
Test options: Raw Modal Diesel Auxiliary data Second by Second Data Smoke meter

TEST TIME (s)	------RAW CONCENTRATIONS------- HC (PPM)	CO (PPM)	NOx (PPM)	CO2 (%)	O2 (%)	--------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			
1 TP	30.9	96.5	134.6	1.72	18.33	0.003	0.021	0.05	5.95	6.69	22.41	132.06	0.0	0.000	0.0	2.12	2.41	190.8	0.0	0.0	0.0
1 TP	30.9	95.2	133.8	1.77	18.33	0.003	0.021	0.05	6.09	6.62	23.23	128.19	0.0	0.000	0.0	2.17	2.33	190.8	0.0	0.0	0.0
2 TP	30.9	91.0	134.6	1.82	18.33	0.003	0.020	0.05	6.18	6.57	23.82	125.60	0.0	0.000	0.0	2.20	2.33	190.8	0.0	0.0	0.0
3 TP	31.0	91.3	134.6	1.84	18.33	0.003	0.020	0.05	6.26	6.55	24.17	123.86	0.0	0.000	0.0	2.23	2.34	190.8	0.0	0.0	0.0
4 TP	31.0	89.8	133.8	1.86	18.33	0.003	0.019	0.05	6.31	6.53	24.39	122.66	0.0	0.000	0.0	2.25	2.35	190.8	0.0	0.0	0.0
5 TP	31.0	91.1	133.9	1.88	18.33	0.003	0.020	0.05	6.34	6.52	24.57	121.85	0.0	0.000	0.0	2.26	2.45	190.8	0.0	0.0	0.0
6 TP	31.0	89.6	133.4	1.89	18.33	0.003	0.019	0.05	6.37	6.51	24.65	121.29	0.0	0.000	0.0	2.27	2.44	190.8	0.0	0.0	0.0
7 TP	31.0	90.6	133.2	1.89	18.33	0.003	0.019	0.05	6.39	6.51	24.71	120.87	0.0	0.000	0.0	2.27	2.38	190.8	0.0	0.0	0.0
8 TP	31.0	91.2	134.2	1.90	18.33	0.003	0.020	0.05	6.40	6.50	24.82	120.54	0.0	0.000	0.0	2.28	2.39	190.9	0.0	0.0	0.0
9 TP	31.0	93.1	135.0	1.90	18.33	0.003	0.020	0.05	6.41	6.50	24.88	120.27	0.0	0.000	0.0	2.28	2.43	190.9	0.0	0.0	0.0
10 TP	31.0	95.4	134.4	1.91	18.33	0.003	0.020	0.05	6.42	6.49	24.91	120.10	0.0	0.000	0.0	2.28	2.43	190.9	0.0	0.0	0.0
11 TP	31.0	96.1	134.7	1.91	18.33	0.003	0.021	0.05	6.43	6.50	24.90	119.95	0.0	0.000	0.0	2.29	2.40	190.8	0.0	0.0	0.0
12 TP	31.0	98.2	134.9	1.91	18.33	0.003	0.021	0.05	6.43	6.49	24.90	119.85	0.0	0.000	0.0	2.29	2.37	190.8	0.0	0.0	0.0
13 TP	31.0	94.5	134.7	1.91	18.33	0.003	0.020	0.05	6.44	6.50	24.90	119.82	0.0	0.000	0.0	2.29	2.36	190.8	0.0	0.0	0.0
14 TP	31.0	91.0	134.0	1.91	18.32	0.003	0.019	0.05	6.44	6.50	24.86	119.75	0.0	0.000	0.0	2.29	2.41	190.8	0.0	0.0	0.0
15 TP	31.1	92.9	133.9	1.91	18.32	0.003	0.020	0.05	6.45	6.50	24.83	119.67	0.0	0.000	0.0	2.29	2.38	190.8	0.0	0.0	0.0
16 TP	31.1	95.3	134.1	1.91	18.32	0.003	0.020	0.05	6.45	6.50	24.79	119.67	0.0	0.000	0.0	2.30	2.38	190.8	0.0	0.0	0.0
18 TP	31.1	97.5	134.3	1.92	18.32	0.003	0.021	0.05	6.45	6.50	24.81	119.55	0.0	0.000	0.0	2.30	2.41	190.8	0.0	0.0	0.0
18 TP	31.1	97.7	134.5	1.92	18.32	0.003	0.021	0.05	6.46	6.50	24.80	119.48	0.0	0.000	0.0	2.30	2.38	190.8	0.0	0.0	0.0
20 TP	31.1	95.1	134.5	1.92	18.32	0.003	0.020	0.05	6.46	6.50	24.85	119.43	0.0	0.000	0.0	2.30	2.37	191.0	0.0	0.0	0.0
21 TP	31.1	94.9	134.5	1.92	18.32	0.003	0.020	0.05	6.46	6.50	24.87	119.43	0.0	0.000	0.0	2.30	2.29	191.0	0.0	0.0	0.0
21 TP	31.1	96.2	134.9	1.92	18.32	0.003	0.021	0.05	6.46	6.49	24.94	119.38	0.0	0.000	0.0	2.30	2.31	191.0	0.0	0.0	0.0
23 TP	31.0	96.8	135.0	1.92	18.32	0.003	0.021	0.05	6.46	6.49	24.99	119.31	0.0	0.000	0.0	2.30	2.33	191.0	0.0	0.0	0.0
24 TP	31.0	95.7	134.8	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.05	119.27	0.0	0.000	0.0	2.30	2.34	191.0	0.0	0.0	0.0
24 TP	31.0	94.5	134.9	1.92	18.32	0.003	0.020	0.05	6.45	6.48	25.10	119.32	0.0	0.000	0.0	2.30	2.38	190.9	0.0	0.0	0.0
25 TP	30.9	93.7	135.2	1.92	18.32	0.003	0.020	0.05	6.45	6.48	25.10	119.28	0.0	0.000	0.0	2.30	2.37	190.8	0.0	0.0	0.0
27 TP	30.9	96.1	134.6	1.92	18.32	0.003	0.021	0.05	6.45	6.48	25.11	119.22	0.0	0.000	0.0	2.30	2.28	190.8	0.0	0.0	0.0
27 TP	30.9	98.9	133.6	1.92	18.32	0.003	0.021	0.05	6.45	6.48	25.11	119.27	2.2	0.000	0.0	2.30	2.28	190.8	0.0	0.0	0.0
29 TP	30.9	97.4	133.7	1.92	18.32	0.003	0.021	0.05	6.45	6.48	25.13	119.19	1.1	0.000	0.0	2.30	2.27	190.9	0.0	0.0	0.0
29 TP	30.9	99.5	134.0	1.92	18.32	0.003	0.021	0.05	6.45	6.48	25.16	119.18	0.9	0.000	0.0	2.30	2.24	191.0	0.0	0.0	0.0
30 TP	30.9	100.8	134.4	1.92	18.32	0.003	0.022	0.05	6.45	6.48	25.18	119.12	1.0	0.000	0.0	2.30	2.35	191.0	0.0	0.0	0.0
31 TP	30.9	99.1	134.2	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.09	119.13	1.0	0.000	0.0	2.30	2.37	191.0	0.0	0.0	0.0
33 TP	30.9	98.5	134.6	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.08	119.12	1.1	0.000	0.0	2.30	2.28	191.0	0.0	0.0	0.0
33 TP	30.9	97.7	134.8	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.11	119.12	0.9	0.000	0.0	2.30	2.31	191.0	0.0	0.0	0.0
34 TP	31.0	98.5	136.1	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.09	119.09	1.0	0.000	0.0	2.30	2.25	190.9	0.0	0.0	0.0
35 TP	31.0	95.0	136.4	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.09	119.09	1.0	0.000	0.0	2.30	2.23	190.9	0.0	0.0	0.0
36 TP	31.0	92.6	135.9	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.13	119.13	1.0	0.000	0.0	2.30	2.19	190.9	0.0	0.0	0.0
38 TP	31.0	92.9	135.2	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.15	119.11	1.1	0.000	0.0	2.30	2.16	190.8	0.0	0.0	0.0
39 TP	31.0	93.3	135.2	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.10	119.10	1.0	0.000	0.0	2.30	2.19	190.8	0.0	0.0	0.0
40 TP	31.0	91.9	135.5	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.15	119.11	1.0	0.000	0.0	2.30	2.30	190.8	0.0	0.0	0.0
40 TP	31.0	93.8	134.8	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.18	119.10	0.9	0.000	0.0	2.30	2.30	190.8	0.0	0.0	0.0
41 TP	31.0	92.6	135.1	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.13	119.11	1.0	0.000	0.0	2.30	2.22	190.8	0.0	0.0	0.0
43 TP	31.1	96.7	135.3	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.10	119.08	1.1	0.000	0.0	2.30	2.21	190.8	0.0	0.0	0.0
43 TP	31.1	78.1	135.4	1.92	18.32	0.003	0.017	0.05	6.46	6.48	25.11	119.20	0.9	0.000	0.0	2.30	2.18	190.8	0.0	0.0	0.0
44 TP	31.1	95.2	135.4	1.92	18.32	0.003	0.020	0.05	6.46	6.48	25.10	119.09	1.0	0.000	0.0	2.30	2.20	191.0	0.0	0.0	0.0
46 TP	31.1	94.4	135.4	1.92	18.32	0.003	0.020	0.05	6.47	6.49	25.03	119.10	1.1	0.000	0.0	2.30	2.21	191.0	0.0	0.0	0.0

46	TP	31.1	94.9	135.4	1.93	18.32	0.003	0.020	0.05	6.47	6.48	25.07	119.03	0.9	0.000	0.0	2.30	2.17	191.0	0.0	0.0	0.0
48	TP	31.1	97.4	135.3	1.93	18.32	0.003	0.021	0.05	6.47	6.48	25.16	118.96	1.1	0.000	0.0	2.30	2.16	191.1	0.0	0.0	0.0
49	TP	31.1	98.0	135.6	1.93	18.32	0.003	0.021	0.05	6.47	6.48	25.17	118.96	1.0	0.000	0.0	2.30	2.17	191.1	0.0	0.0	0.0
49	TP	31.0	96.5	136.0	1.93	18.32	0.003	0.021	0.05	6.47	6.48	25.13	118.96	0.9	0.000	0.0	2.30	2.22	191.1	0.0	0.0	0.0
50	TP	31.0	93.7	136.0	1.93	18.32	0.003	0.020	0.05	6.47	6.48	25.17	118.97	1.0	0.000	0.0	2.30	2.20	191.0	0.0	0.0	0.0
51	TP	31.0	88.7	135.1	1.93	18.31	0.003	0.019	0.05	6.47	6.48	25.14	118.95	1.0	0.000	0.0	2.30	2.20	191.0	0.0	0.0	0.0
52	TP	31.0	87.3	135.8	1.93	18.31	0.003	0.019	0.05	6.47	6.48	25.18	118.89	1.0	0.000	0.0	2.30	2.24	191.0	0.0	0.0	0.0
54	TP	31.0	89.2	135.6	1.93	18.32	0.003	0.019	0.05	6.47	6.48	25.16	118.87	1.1	0.000	0.0	2.30	2.27	191.0	0.0	0.0	0.0
55	TP	31.0	88.5	136.0	1.93	18.32	0.003	0.019	0.05	6.47	6.48	25.18	118.92	1.0	0.000	0.0	2.30	2.26	191.0	0.0	0.0	0.0
55	TP	31.0	90.3	136.5	1.93	18.32	0.003	0.019	0.05	6.47	6.48	25.18	118.94	0.9	0.000	0.0	2.30	2.24	191.0	0.0	0.0	0.0
57	TP	31.0	92.6	137.0	1.93	18.31	0.003	0.020	0.05	6.47	6.47	25.21	118.86	1.1	0.000	0.0	2.30	2.28	191.0	0.0	0.0	0.0
57	TP	31.0	90.5	137.2	1.93	18.31	0.003	0.019	0.05	6.47	6.47	25.26	118.82	0.9	0.000	0.0	2.30	2.30	190.9	0.0	0.0	0.0
58	TP	31.0	90.3	137.2	1.93	18.31	0.003	0.019	0.05	6.47	6.47	25.24	118.84	1.0	0.000	0.0	2.30	2.26	190.9	0.0	0.0	0.0
59	TP	31.0	90.8	137.1	1.93	18.31	0.003	0.019	0.05	6.47	6.47	25.20	118.81	1.0	0.000	0.0	2.30	2.27	190.9	0.0	0.0	0.0
61	TP	31.0	90.8	136.5	1.93	18.31	0.003	0.019	0.05	6.48	6.47	25.18	118.71	1.1	0.000	0.0	2.30	2.24	191.0	0.0	0.0	0.0
61	TP	31.0	92.0	136.5	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.18	118.70	0.9	0.000	0.0	2.30	2.25	191.0	0.0	0.0	0.0
63	TP	31.0	95.9	137.1	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.18	118.67	1.1	0.000	0.0	2.31	2.26	190.9	0.0	0.0	0.0
63	TP	31.0	94.5	136.8	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.14	118.68	0.9	0.000	0.0	2.31	2.20	190.9	0.0	0.0	0.0
65	TP	31.0	92.8	136.4	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.12	118.69	1.1	0.000	0.0	2.31	2.18	190.8	0.0	0.0	0.0
65	TP	31.1	94.5	136.2	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.12	118.70	0.9	0.000	0.0	2.31	2.22	190.8	0.0	0.0	0.0
66	TP	31.0	93.4	136.6	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.12	118.71	1.0	0.000	0.0	2.31	2.25	190.8	0.0	0.0	0.0
68	TP	31.1	93.3	136.8	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.15	118.69	1.1	0.000	0.0	2.31	2.19	190.8	0.0	0.0	0.0
68	TP	31.1	95.4	136.5	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.11	118.68	0.9	0.000	0.0	2.31	2.16	190.9	0.0	0.0	0.0
70	TP	31.1	94.6	136.7	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.11	118.64	1.1	0.000	0.0	2.31	2.10	190.9	0.0	0.0	0.0
71	TP	31.1	93.4	136.2	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.16	118.58	1.0	0.000	0.0	2.31	2.17	190.9	0.0	0.0	0.0
71	TP	31.1	91.8	135.9	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.15	118.59	0.9	0.000	0.0	2.31	2.25	190.8	0.0	0.0	0.0
72	TP	31.1	93.4	135.7	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.15	118.53	1.0	0.000	0.0	2.31	2.30	190.8	0.0	0.0	0.0
73	TP	31.2	94.9	135.9	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.14	118.57	1.0	0.000	0.0	2.31	2.27	190.8	0.0	0.0	0.0
74	TP	31.2	91.9	135.8	1.93	18.31	0.003	0.020	0.05	6.49	6.48	25.14	118.61	1.0	0.000	0.0	2.31	2.30	190.9	0.0	0.0	0.0
76	TP	31.2	91.4	135.9	1.93	18.31	0.003	0.020	0.05	6.48	6.48	25.15	118.70	1.1	0.000	0.0	2.31	2.33	190.8	0.0	0.0	0.0
77	TP	31.2	90.3	136.5	1.93	18.31	0.003	0.019	0.05	6.48	6.48	25.15	118.71	1.0	0.000	0.0	2.31	2.33	190.8	0.0	0.0	0.0
77	TP	31.2	75.4	136.3	1.93	18.31	0.003	0.016	0.05	6.48	6.48	25.18	118.72	0.9	0.000	0.0	2.30	2.30	190.8	0.0	0.0	0.0
79	TP	31.2	96.6	137.4	1.93	18.31	0.003	0.021	0.05	6.48	6.47	25.23	118.56	1.1	0.000	0.0	2.31	2.26	190.8	0.0	0.0	0.0
79	TP	31.2	100.2	137.2	1.93	18.31	0.003	0.021	0.05	6.48	6.47	25.29	118.53	0.9	0.000	0.0	2.31	2.22	190.8	0.0	0.0	0.0
80	TP	31.2	101.6	137.1	1.93	18.31	0.003	0.022	0.05	6.48	6.47	25.27	118.53	1.0	0.000	0.0	2.31	2.24	190.8	0.0	0.0	0.0
81	TP	31.2	99.1	136.0	1.93	18.31	0.003	0.021	0.05	6.48	6.47	25.21	118.56	1.0	0.000	0.0	2.31	2.17	190.8	0.0	0.0	0.0
82	TP	31.1	101.4	136.8	1.93	18.31	0.003	0.022	0.05	6.48	6.48	25.17	118.64	1.0	0.000	0.0	2.31	2.24	190.8	0.0	0.0	0.0
83	TP	31.1	98.3	136.6	1.93	18.31	0.003	0.021	0.05	6.48	6.48	25.10	118.66	1.0	0.000	0.0	2.31	2.27	190.8	0.0	0.0	0.0
85	TP	31.1	97.9	136.8	1.93	18.31	0.003	0.021	0.05	6.49	6.49	25.04	118.66	1.1	0.000	0.0	2.31	2.21	190.8	0.0	0.0	0.0
86	TP	31.1	97.0	137.3	1.93	18.31	0.003	0.021	0.05	6.48	6.48	25.05	118.71	1.0	0.000	0.0	2.31	2.17	190.7	0.0	0.0	0.0
86	TP	31.1	102.2	137.7	1.93	18.31	0.003	0.022	0.05	6.48	6.48	25.13	118.66	0.9	0.000	0.0	2.31	2.16	190.7	0.0	0.0	0.0
87	TP	31.1	102.2	137.5	1.93	18.31	0.003	0.022	0.05	6.48	6.47	25.22	118.63	1.0	0.000	0.0	2.31	2.19	190.7	0.0	0.0	0.0
89	TP	31.1	101.1	137.7	1.93	18.31	0.003	0.022	0.05	6.47	6.47	25.19	118.73	1.1	0.000	0.0	2.30	2.20	190.6	0.0	0.0	0.0
90	TP	31.1	99.3	137.4	1.93	18.31	0.003	0.021	0.05	6.47	6.48	25.13	118.79	1.0	0.000	0.0	2.30	2.18	190.7	0.0	0.0	0.0
91	TP	31.1	98.4	137.7	1.93	18.31	0.003	0.021	0.05	6.48	6.49	25.02	118.77	1.0	0.000	0.0	2.31	2.22	190.7	0.0	0.0	0.0
92	TP	31.1	97.4	138.3	1.93	18.31	0.003	0.021	0.05	6.49	6.49	24.97	118.81	1.0	0.000	0.0	2.31	2.25	190.8	0.0	0.0	0.0
93	TP	31.1	95.7	137.6	1.93	18.31	0.003	0.020	0.05	6.49	6.49	24.95	118.79	1.0	0.000	0.0	2.31	2.28	190.8	0.0	0.0	0.0
93	TP	31.1	93.4	137.6	1.93	18.31	0.003	0.020	0.05	6.49	6.49	24.89	118.82	0.9	0.000	0.0	2.31	2.24	190.7	0.0	0.0	0.0
95	TP	31.2	91.1	137.6	1.93	18.32	0.003	0.020	0.05	6.49	6.50	24.86	118.89	1.1	0.000	0.0	2.31	2.26	190.7	0.0	0.0	0.0
96	TP	31.2	92.6	137.7	1.93	18.32	0.003	0.020	0.05	6.49	6.50	24.89	118.84	1.0	0.000	0.0	2.31	2.28	190.7	0.0	0.0	0.0
96	TP	31.2	93.3	137.8	1.93	18.32	0.003	0.020	0.05	6.50	6.49	24.93	118.76	0.9	0.000	0.0	2.31	2.20	190.7	0.0	0.0	0.0
98	TP	31.2	93.4	137.9	1.93	18.32	0.003	0.020	0.05	6.49	6.49	24.94	118.76	1.1	0.000	0.0	2.31	2.21	190.7	0.0	0.0	0.0
99	TP	31.2	90.6	137.3	1.93	18.32	0.003	0.019	0.05	6.49	6.49	24.99	118.85	1.0	0.000	0.0	2.31	2.21	190.7	0.0	0.0	0.0
99	TP	31.2	89.9	136.6	1.93	18.32	0.003	0.019	0.05	6.48	6.49	25.02	118.87	0.9	0.000	0.0	2.31	2.24	190.7	0.0	0.0	0.0
101	TP	31.3	88.8	136.2	1.93	18.32	0.003	0.019	0.05	6.48	6.48	25.05	118.89	1.1	0.000	0.0	2.31	2.25	190.7	0.0	0.0	0.0
102	TP	31.2	94.9	136.8	1.93	18.32	0.003	0.020	0.05	6.47	6.48	25.13	118.87	1.0	0.000	0.0	2.30	2.18	190.7	0.0	0.0	0.0
102	TP	31.3	94.5	136.3	1.93	18.32	0.003	0.020	0.05	6.47	6.47	25.22	118.87	0.9	0.000	0.0	2.30	2.18	190.7	0.0	0.0	0.0
103	TP	31.3	95.9	136.1	1.93	18.32	0.003	0.020	0.05	6.47	6.48	25.13	118.97	1.0	0.000	0.0	2.30	2.19	190.7	0.0	0.0	0.0
104	TP	31.3	97.7	136.5	1.93	18.32	0.003	0.021	0.05	6.47	6.48	25.10	119.04	1.0	0.000	0.0	2.30	2.20	190.7	0.0	0.0	0.0

105 TP	31.3	100.6	136.7	1.92	18.32	0.003	0.022	0.05	6.46	6.49	25.03	119.14	1.0	0.000	0.0	2.30	2.23	190.7	0.0	0.0	0.0
107 TP	31.3	101.3	136.4	1.92	18.32	0.003	0.022	0.05	6.46	6.49	25.02	119.23	1.1	0.000	0.0	2.30	2.22	190.6	0.0	0.0	0.0
108 TP	31.3	103.1	135.7	1.92	18.32	0.003	0.022	0.05	6.45	6.48	25.07	119.22	1.0	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
108 TP	31.3	98.5	135.6	1.92	18.32	0.003	0.021	0.05	6.45	6.48	25.11	119.31	0.9	0.000	0.0	2.30	2.29	190.6	0.0	0.0	0.0
109 TP	31.2	98.4	136.1	1.92	18.33	0.003	0.021	0.05	6.45	6.48	25.10	119.35	1.0	0.000	0.0	2.30	2.34	190.6	0.0	0.0	0.0
111 TP	31.2	99.2	136.1	1.92	18.33	0.003	0.021	0.05	6.45	6.48	25.04	119.39	1.1	0.000	0.0	2.30	2.37	190.6	0.0	0.0	0.0
111 TP	31.2	95.6	136.0	1.92	18.33	0.003	0.020	0.05	6.45	6.49	25.03	119.50	0.9	0.000	0.0	2.29	2.31	190.5	0.0	0.0	0.0
113 TP	31.2	97.2	135.8	1.92	18.33	0.003	0.021	0.05	6.44	6.48	25.09	119.49	1.1	0.000	0.0	2.29	2.27	190.5	0.0	0.0	0.0
114 TP	31.2	94.3	135.7	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.10	119.51	1.0	0.000	0.0	2.29	2.26	190.5	0.0	0.0	0.0
114 TP	31.2	92.8	135.1	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.12	119.52	0.9	0.000	0.0	2.29	2.28	190.5	0.0	0.0	0.0
116 TP	31.2	93.5	135.0	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.08	119.61	1.1	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
117 TP	31.2	94.4	135.2	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.06	119.60	1.0	0.000	0.0	2.29	2.28	190.6	0.0	0.0	0.0
118 TP	31.2	92.5	135.5	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.13	119.54	1.0	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
118 TP	31.2	87.3	135.5	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.21	119.49	0.9	0.000	0.0	2.29	2.28	190.7	0.0	0.0	0.0
120 TP	31.2	89.9	135.5	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.17	119.47	1.1	0.000	0.0	2.29	2.29	190.7	0.0	0.0	0.0
121 TP	31.3	92.0	135.4	1.92	18.33	0.003	0.020	0.05	6.44	6.47	25.18	119.52	1.0	0.000	0.0	2.29	2.31	190.6	0.0	0.0	0.0
121 TP	31.3	93.4	134.6	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.24	119.51	0.9	0.000	0.0	2.29	2.25	190.6	0.0	0.0	0.0
122 TP	31.3	93.1	134.3	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.20	119.56	1.0	0.000	0.0	2.29	2.26	190.6	0.0	0.0	0.0
124 TP	31.3	93.1	134.0	1.92	18.33	0.003	0.020	0.05	6.43	6.48	25.15	119.61	1.1	0.000	0.0	2.29	2.25	190.6	0.0	0.0	0.0
124 TP	31.3	95.3	133.8	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.18	119.62	0.9	0.000	0.0	2.29	2.22	190.6	0.0	0.0	0.0
125 TP	31.3	98.8	133.3	1.92	18.33	0.003	0.021	0.05	6.43	6.47	25.20	119.62	1.0	0.000	0.0	2.29	2.26	190.6	0.0	0.0	0.0
127 TP	31.3	98.2	133.4	1.91	18.33	0.003	0.021	0.05	6.42	6.48	25.17	119.71	1.1	0.000	0.0	2.29	2.24	190.6	0.0	0.0	0.0
127 TP	31.3	95.1	134.1	1.91	18.33	0.003	0.020	0.05	6.42	6.48	25.17	119.73	0.9	0.000	0.0	2.29	2.28	190.6	0.0	0.0	0.0
129 TP	31.3	96.1	134.5	1.91	18.34	0.003	0.021	0.05	6.42	6.47	25.18	119.79	1.1	0.000	0.0	2.29	2.34	190.6	0.0	0.0	0.0
129 TP	31.3	98.0	134.8	1.91	18.34	0.003	0.021	0.05	6.42	6.48	25.17	119.86	0.9	0.000	0.0	2.28	2.31	190.6	0.0	0.0	0.0
130 TP	31.4	94.9	133.3	1.91	18.34	0.003	0.020	0.05	6.42	6.48	25.16	119.91	1.0	0.000	0.0	2.28	2.29	190.6	0.0	0.0	0.0
131 TP	31.3	91.5	133.3	1.91	18.35	0.003	0.020	0.05	6.42	6.48	25.16	119.97	1.0	0.000	0.0	2.28	2.27	190.6	0.0	0.0	0.0
132 TP	31.3	90.0	133.3	1.91	18.35	0.003	0.019	0.05	6.42	6.48	25.17	119.95	1.0	0.000	0.0	2.28	2.26	190.6	0.0	0.0	0.0
133 TP	31.3	91.4	132.8	1.91	18.35	0.003	0.020	0.05	6.41	6.47	25.22	119.94	1.0	0.000	0.0	2.28	2.29	190.6	0.0	0.0	0.0
135 TP	31.4	94.3	132.9	1.91	18.35	0.003	0.020	0.05	6.41	6.47	25.22	119.95	1.1	0.000	0.0	2.28	2.22	190.6	0.0	0.0	0.0
136 TP	31.4	94.1	132.7	1.91	18.35	0.003	0.020	0.05	6.42	6.48	25.16	119.97	1.0	0.000	0.0	2.28	2.28	190.6	0.0	0.0	0.0
136 TP	31.4	96.2	133.2	1.91	18.35	0.003	0.021	0.05	6.42	6.48	25.15	119.91	0.9	0.000	0.0	2.28	2.34	190.6	0.0	0.0	0.0
138 TP	31.4	95.1	133.5	1.91	18.35	0.003	0.020	0.05	6.42	6.48	25.15	119.92	1.1	0.000	0.0	2.28	2.37	190.6	0.0	0.0	0.0
138 TP	31.5	97.3	134.0	1.91	18.35	0.003	0.021	0.05	6.43	6.48	25.12	119.81	0.9	0.000	0.0	2.29	2.43	190.6	0.0	0.0	0.0
139 TP	31.4	103.0	134.4	1.91	18.34	0.003	0.022	0.05	6.43	6.48	25.09	119.74	1.0	0.000	0.0	2.29	2.33	190.6	0.0	0.0	0.0
140 TP	31.4	102.1	134.9	1.91	18.34	0.003	0.022	0.05	6.43	6.49	25.03	119.73	1.0	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
142 TP	31.4	96.6	134.6	1.92	18.34	0.003	0.021	0.05	6.44	6.49	25.02	119.67	1.1	0.000	0.0	2.29	2.26	190.6	0.0	0.0	0.0
142 TP	31.3	94.6	134.2	1.92	18.33	0.003	0.020	0.05	6.44	6.49	25.03	119.62	0.9	0.000	0.0	2.29	2.34	190.6	0.0	0.0	0.0
143 TP	31.3	91.8	134.2	1.92	18.33	0.003	0.020	0.05	6.44	6.49	25.03	119.64	1.0	0.000	0.0	2.29	2.36	190.6	0.0	0.0	0.0
145 TP	31.3	89.6	134.4	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.05	119.65	1.1	0.000	0.0	2.29	2.36	190.6	0.0	0.0	0.0
145 TP	31.3	90.7	134.4	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.11	119.60	0.9	0.000	0.0	2.29	2.34	190.6	0.0	0.0	0.0
146 TP	31.3	90.7	134.7	1.92	18.33	0.003	0.019	0.05	6.43	6.48	25.12	119.65	1.0	0.000	0.0	2.29	2.29	190.5	0.0	0.0	0.0
147 TP	31.3	90.5	135.3	1.92	18.33	0.003	0.019	0.05	6.43	6.48	25.15	119.62	1.0	0.000	0.0	2.29	2.31	190.5	0.0	0.0	0.0
149 TP	31.3	88.2	135.8	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.14	119.59	1.1	0.000	0.0	2.29	2.38	190.5	0.0	0.0	0.0
149 TP	31.3	89.9	135.7	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.13	119.54	0.9	0.000	0.0	2.29	2.34	190.6	0.0	0.0	0.0
151 TP	31.3	89.7	136.2	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.08	119.54	1.1	0.000	0.0	2.29	2.33	190.6	0.0	0.0	0.0
152 TP	31.3	90.8	135.5	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.09	119.58	1.0	0.000	0.0	2.29	2.30	190.6	0.0	0.0	0.0
152 TP	31.4	91.6	134.9	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.15	119.53	0.9	0.000	0.0	2.29	2.24	190.6	0.0	0.0	0.0
154 TP	31.4	94.5	134.5	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.11	119.51	1.1	0.000	0.0	2.29	2.30	190.7	0.0	0.0	0.0
154 TP	31.4	95.6	134.7	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.11	119.50	0.9	0.000	0.0	2.29	2.31	190.7	0.0	0.0	0.0
155 TP	31.4	95.7	135.1	1.92	18.35	0.003	0.020	0.05	6.43	6.48	25.12	119.69	1.0	0.000	0.0	2.29	2.25	190.7	0.0	0.0	0.0
157 TP	31.4	98.0	136.1	1.92	18.34	0.003	0.021	0.05	6.43	6.48	25.18	119.61	1.1	0.000	0.0	2.29	2.22	190.7	0.0	0.0	0.0
158 TP	31.4	94.2	135.4	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.13	119.67	1.0	0.000	0.0	2.29	2.27	190.6	0.0	0.0	0.0
158 TP	31.5	93.9	135.5	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.13	119.68	0.9	0.000	0.0	2.29	2.23	190.6	0.0	0.0	0.0
160 TP	31.4	95.0	135.7	1.92	18.33	0.003	0.020	0.05	6.44	6.48	25.16	119.55	1.1	0.000	0.0	2.29	2.20	190.6	0.0	0.0	0.0
161 TP	31.4	92.0	135.4	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.16	119.62	1.0	0.000	0.0	2.29	2.22	190.6	0.0	0.0	0.0
161 TP	31.5	92.0	134.9	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.14	119.70	0.9	0.000	0.0	2.29	2.19	190.6	0.0	0.0	0.0
162 TP	31.5	92.5	134.7	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.14	119.69	1.0	0.000	0.0	2.29	2.28	190.6	0.0	0.0	0.0
164 TP	31.5	93.4	135.0	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.12	119.64	1.1	0.000	0.0	2.29	2.34	190.7	0.0	0.0	0.0

164 TP	31.5	74.5	134.8	1.92	18.33	0.003	0.016	0.05	6.44	6.48	25.14	119.70	0.9	0.000	0.0	2.29	2.26	190.7	0.0	0.0	0.0
166 TP	31.5	94.4	135.4	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.21	119.51	1.1	0.000	0.0	2.29	2.21	190.7	0.0	0.0	0.0
167 TP	31.5	94.3	134.9	1.92	18.34	0.003	0.020	0.05	6.43	6.48	25.16	119.64	1.0	0.000	0.0	2.29	2.20	190.7	0.0	0.0	0.0
168 TP	31.5	96.8	134.8	1.92	18.33	0.003	0.021	0.05	6.43	6.48	25.11	119.60	1.0	0.000	0.0	2.29	2.21	190.7	0.0	0.0	0.0
168 TP	31.4	91.3	134.1	1.92	18.33	0.003	0.019	0.05	6.43	6.48	25.11	119.64	0.9	0.000	0.0	2.29	2.22	190.7	0.0	0.0	0.0
169 TP	31.4	87.1	134.7	1.92	18.33	0.003	0.019	0.05	6.43	6.48	25.13	119.67	1.0	0.000	0.0	2.29	2.27	190.7	0.0	0.0	0.0
171 TP	31.4	84.9	134.8	1.92	18.33	0.003	0.018	0.05	6.43	6.48	25.15	119.68	1.1	0.000	0.0	2.29	2.31	190.7	0.0	0.0	0.0
171 TP	31.4	83.0	135.4	1.92	18.34	0.003	0.018	0.05	6.43	6.48	25.17	119.71	0.9	0.000	0.0	2.29	2.34	190.6	0.0	0.0	0.0
173 TP	31.4	83.1	135.7	1.92	18.35	0.003	0.018	0.05	6.43	6.47	25.21	119.77	1.1	0.000	0.0	2.29	2.28	190.6	0.0	0.0	0.0
174 TP	31.4	84.0	135.6	1.92	18.35	0.003	0.018	0.05	6.43	6.47	25.22	119.72	1.0	0.000	0.0	2.29	2.20	190.6	0.0	0.0	0.0
174 TP	31.3	84.0	135.5	1.92	18.34	0.003	0.018	0.05	6.43	6.47	25.23	119.63	0.9	0.000	0.0	2.29	2.24	190.6	0.0	0.0	0.0
176 TP	31.3	87.2	136.4	1.92	18.34	0.003	0.019	0.05	6.43	6.47	25.23	119.58	1.1	0.000	0.0	2.29	2.26	190.6	0.0	0.0	0.0
176 TP	31.4	86.4	135.8	1.92	18.33	0.003	0.018	0.05	6.43	6.47	25.26	119.56	0.9	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
177 TP	31.4	85.2	135.9	1.92	18.33	0.003	0.018	0.05	6.43	6.47	25.28	119.57	1.0	0.000	0.0	2.29	2.30	190.6	0.0	0.0	0.0
179 TP	31.4	85.0	136.1	1.92	18.33	0.003	0.018	0.05	6.43	6.47	25.30	119.57	1.1	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
180 TP	31.4	90.4	137.1	1.92	18.33	0.003	0.019	0.05	6.43	6.47	25.28	119.56	1.0	0.000	0.0	2.29	2.31	190.6	0.0	0.0	0.0
180 TP	31.4	91.0	136.8	1.92	18.33	0.003	0.019	0.05	6.43	6.47	25.23	119.55	0.9	0.000	0.0	2.29	2.30	190.6	0.0	0.0	0.0
182 TP	31.4	94.7	135.8	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.24	119.50	1.1	0.000	0.0	2.29	2.31	190.7	0.0	0.0	0.0
183 TP	31.4	95.1	136.4	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.23	119.50	1.0	0.000	0.0	2.29	2.27	190.7	0.0	0.0	0.0
183 TP	31.4	92.3	135.6	1.92	18.33	0.003	0.020	0.05	6.43	6.47	25.27	119.48	0.9	0.000	0.0	2.29	2.28	190.7	0.0	0.0	0.0
184 TP	31.4	91.6	136.0	1.92	18.33	0.003	0.020	0.05	6.44	6.47	25.27	119.40	1.0	0.000	0.0	2.29	2.28	190.7	0.0	0.0	0.0
185 TP	31.4	89.7	135.9	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.22	119.36	1.0	0.000	0.0	2.29	2.27	190.7	0.0	0.0	0.0
186 TP	31.5	89.8	135.9	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.21	119.39	1.0	0.000	0.0	2.29	2.22	190.6	0.0	0.0	0.0
188 TP	31.5	88.9	136.0	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.28	119.38	1.1	0.000	0.0	2.29	2.25	190.6	0.0	0.0	0.0
189 TP	31.4	91.0	136.5	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.22	119.42	1.0	0.000	0.0	2.29	2.28	190.6	0.0	0.0	0.0
189 TP	31.4	87.9	135.7	1.92	18.33	0.003	0.019	0.05	6.44	6.48	25.17	119.44	0.9	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
191 TP	31.4	87.7	134.7	1.92	18.33	0.003	0.019	0.05	6.44	6.47	25.19	119.44	1.1	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
191 TP	31.5	94.7	134.7	1.92	18.33	0.003	0.020	0.05	6.45	6.48	25.14	119.39	0.9	0.000	0.0	2.29	2.23	190.6	0.0	0.0	0.0
193 TP	31.5	97.0	134.7	1.92	18.33	0.003	0.021	0.05	6.45	6.48	25.13	119.38	1.1	0.000	0.0	2.29	2.29	190.6	0.0	0.0	0.0
193 TP	31.4	92.8	136.0	1.92	18.33	0.003	0.020	0.05	6.45	6.48	25.14	119.34	0.9	0.000	0.0	2.30	2.30	190.6	0.0	0.0	0.0
195 TP	31.5	92.1	135.7	1.92	18.33	0.003	0.020	0.05	6.45	6.48	25.14	119.29	1.1	0.000	0.0	2.30	2.26	190.6	0.0	0.0	0.0
196 TP	31.5	92.1	135.8	1.92	18.33	0.003	0.020	0.05	6.45	6.47	25.21	119.28	1.0	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
196 TP	31.5	95.4	137.0	1.92	18.33	0.003	0.020	0.05	6.44	6.47	25.32	119.18	0.9	0.000	0.0	2.29	2.33	190.6	0.0	0.0	0.0
198 TP	31.5	95.4	136.4	1.92	18.33	0.003	0.020	0.05	6.45	6.46	25.35	119.16	1.1	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
199 TP	31.5	92.7	135.8	1.92	18.33	0.003	0.020	0.05	6.44	6.47	25.33	119.25	1.0	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
199 TP	31.5	92.1	135.5	1.92	18.33	0.003	0.020	0.05	6.44	6.47	25.29	119.27	0.9	0.000	0.0	2.29	2.32	190.6	0.0	0.0	0.0
201 TP	31.4	93.0	136.1	1.92	18.33	0.003	0.020	0.05	6.45	6.47	25.23	119.29	1.1	0.000	0.0	2.29	2.33	190.6	0.0	0.0	0.0
202 TP	31.4	93.1	136.5	1.92	18.33	0.003	0.020	0.05	6.45	6.47	25.19	119.27	1.0	0.000	0.0	2.30	2.28	190.6	0.0	0.0	0.0
202 TP	31.4	93.5	136.0	1.92	18.33	0.003	0.020	0.05	6.45	6.47	25.24	119.13	0.9	0.000	0.0	2.30	2.25	190.6	0.0	0.0	0.0
203 TP	31.4	91.2	136.0	1.92	18.32	0.003	0.019	0.05	6.45	6.47	25.22	119.13	1.0	0.000	0.0	2.30	2.30	190.6	0.0	0.0	0.0
205 TP	31.4	95.0	136.1	1.92	18.32	0.003	0.020	0.05	6.45	6.47	25.21	119.09	1.1	0.000	0.0	2.30	2.40	190.6	0.0	0.0	0.0
205 TP	31.3	97.9	136.2	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.17	119.07	0.9	0.000	0.0	2.30	2.31	190.6	0.0	0.0	0.0
207 TP	31.3	96.8	136.7	1.92	18.32	0.003	0.021	0.05	6.46	6.48	25.10	119.08	1.1	0.000	0.0	2.30	2.29	190.6	0.0	0.0	0.0
208 TP	31.3	96.9	137.5	1.93	18.32	0.003	0.021	0.05	6.46	6.48	25.18	119.01	1.0	0.000	0.0	2.30	2.30	190.6	0.0	0.0	0.0
208 TP	31.3	94.6	137.0	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.24	118.98	0.9	0.000	0.0	2.30	2.30	190.6	0.0	0.0	0.0
210 TP	31.3	93.1	136.2	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.23	118.99	1.1	0.000	0.0	2.30	2.27	190.6	0.0	0.0	0.0
211 TP	31.3	95.1	136.0	1.93	18.32	0.003	0.020	0.05	6.46	6.48	25.17	118.98	1.0	0.000	0.0	2.30	2.28	190.6	0.0	0.0	0.0
211 TP	31.4	96.6	136.6	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.18	118.97	0.9	0.000	0.0	2.30	2.25	190.6	0.0	0.0	0.0
213 TP	31.4	95.8	136.3	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.26	118.97	1.1	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
214 TP	31.4	98.2	136.3	1.93	18.32	0.003	0.021	0.05	6.45	6.46	25.34	118.96	1.0	0.000	0.0	2.30	2.30	190.6	0.0	0.0	0.0
214 TP	31.4	98.1	137.5	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.31	118.93	0.9	0.000	0.0	2.30	2.31	190.6	0.0	0.0	0.0
216 TP	31.4	98.1	137.3	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.28	118.96	1.1	0.000	0.0	2.30	2.33	190.6	0.0	0.0	0.0
217 TP	31.4	96.5	137.0	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.25	118.97	1.0	0.000	0.0	2.30	2.35	190.6	0.0	0.0	0.0
218 TP	31.4	97.3	137.1	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.22	118.96	1.0	0.000	0.0	2.30	2.37	190.7	0.0	0.0	0.0
218 TP	31.5	98.1	137.4	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.20	118.96	0.9	0.000	0.0	2.30	2.41	190.7	0.0	0.0	0.0
219 TP	31.5	99.8	137.3	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.19	118.95	1.0	0.000	0.0	2.30	2.33	190.7	0.0	0.0	0.0
220 TP	31.5	101.6	137.7	1.93	18.32	0.003	0.022	0.05	6.47	6.47	25.23	118.87	1.0	0.000	0.0	2.30	2.25	190.7	0.0	0.0	0.0
221 TP	31.5	98.2	138.5	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.27	118.89	1.0	0.000	0.0	2.30	2.22	190.7	0.0	0.0	0.0
223 TP	31.5	96.0	137.8	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.31	118.86	1.1	0.000	0.0	2.30	2.21	190.6	0.0	0.0	0.0

224 TP	31.5	95.4	137.3	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.28	118.86	1.0	0.000	0.0	2.30	2.23	190.6	0.0	0.0	0.0
224 TP	31.5	96.7	137.3	1.93	18.32	0.003	0.021	0.05	6.47	6.47	25.23	118.85	0.9	0.000	0.0	2.30	2.22	190.6	0.0	0.0	0.0
225 TP	31.5	94.4	137.5	1.93	18.32	0.003	0.020	0.05	6.47	6.47	25.21	118.87	1.0	0.000	0.0	2.30	2.18	190.6	0.0	0.0	0.0
226 TP	31.5	91.5	137.0	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.29	118.89	1.0	0.000	0.0	2.30	2.28	190.6	0.0	0.0	0.0
227 TP	31.5	91.5	136.6	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.33	118.89	1.0	0.000	0.0	2.30	2.31	190.6	0.0	0.0	0.0
228 TP	31.5	91.1	137.1	1.93	18.32	0.003	0.019	0.05	6.46	6.47	25.32	118.84	1.0	0.000	0.0	2.30	2.26	190.6	0.0	0.0	0.0
230 TP	31.5	88.8	137.2	1.93	18.32	0.003	0.019	0.05	6.47	6.46	25.33	118.79	1.1	0.000	0.0	2.30	2.21	190.6	0.0	0.0	0.0
230 TP	31.4	90.5	137.6	1.93	18.32	0.003	0.019	0.05	6.47	6.46	25.33	118.78	0.9	0.000	0.0	2.30	2.22	190.6	0.0	0.0	0.0
232 TP	31.4	92.3	138.3	1.93	18.32	0.003	0.020	0.05	6.47	6.47	25.24	118.77	1.1	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
233 TP	31.4	90.8	137.6	1.93	18.32	0.003	0.019	0.05	6.47	6.47	25.31	118.78	1.0	0.000	0.0	2.30	2.26	190.6	0.0	0.0	0.0
233 TP	31.4	92.2	138.2	1.93	18.32	0.003	0.020	0.05	6.47	6.46	25.33	118.77	0.9	0.000	0.0	2.30	2.22	190.7	0.0	0.0	0.0
235 TP	31.4	92.2	138.2	1.93	18.32	0.003	0.020	0.05	6.47	6.46	25.36	118.77	1.1	0.000	0.0	2.30	2.26	190.7	0.0	0.0	0.0
235 TP	31.4	92.0	138.1	1.93	18.32	0.003	0.020	0.05	6.46	6.46	25.40	118.79	0.9	0.000	0.0	2.30	2.20	190.7	0.0	0.0	0.0
236 TP	31.4	92.6	139.1	1.93	18.32	0.003	0.020	0.05	6.46	6.46	25.37	118.86	1.0	0.000	0.0	2.30	2.15	190.7	0.0	0.0	0.0
238 TP	31.4	93.5	138.6	1.93	18.32	0.003	0.020	0.05	6.46	6.46	25.33	118.83	1.1	0.000	0.0	2.30	2.18	190.7	0.0	0.0	0.0
239 TP	31.4	98.1	138.7	1.93	18.32	0.003	0.021	0.05	6.46	6.46	25.40	118.75	1.0	0.000	0.0	2.30	2.17	190.7	0.0	0.0	0.0
239 TP	31.4	99.2	138.1	1.93	18.32	0.003	0.021	0.05	6.46	6.46	25.46	118.72	0.9	0.000	0.0	2.30	2.09	190.7	0.0	0.0	0.0
241 TP	31.4	100.4	138.3	1.93	18.32	0.003	0.021	0.05	6.45	6.45	25.48	118.76	1.1	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
242 TP	31.5	97.9	138.6	1.93	18.32	0.003	0.021	0.05	6.45	6.45	25.51	118.78	1.0	0.000	0.0	2.30	2.31	190.6	0.0	0.0	0.0
242 TP	31.5	93.4	138.7	1.93	18.32	0.003	0.020	0.05	6.46	6.45	25.48	118.76	0.9	0.000	0.0	2.30	2.27	190.6	0.0	0.0	0.0
243 TP	31.5	91.5	138.4	1.93	18.32	0.003	0.019	0.05	6.46	6.46	25.44	118.77	1.0	0.000	0.0	2.30	2.20	190.6	0.0	0.0	0.0
245 TP	31.5	92.6	138.4	1.93	18.32	0.003	0.020	0.05	6.46	6.46	25.41	118.77	1.1	0.000	0.0	2.30	2.15	190.6	0.0	0.0	0.0
246 TP	31.5	90.6	138.9	1.93	18.32	0.003	0.019	0.05	6.47	6.46	25.38	118.76	1.0	0.000	0.0	2.30	2.17	190.6	0.0	0.0	0.0
246 TP	31.5	89.6	138.4	1.93	18.32	0.003	0.019	0.05	6.47	6.47	25.32	118.76	0.9	0.000	0.0	2.30	2.23	190.6	0.0	0.0	0.0
248 TP	31.5	91.8	138.3	1.93	18.32	0.003	0.020	0.05	6.47	6.46	25.39	118.66	1.1	0.000	0.0	2.30	2.23	190.6	0.0	0.0	0.0
249 TP	31.5	95.3	137.8	1.93	18.32	0.003	0.020	0.05	6.47	6.46	25.37	118.64	1.0	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
249 TP	31.5	99.3	138.0	1.93	18.32	0.003	0.021	0.05	6.47	6.46	25.36	118.60	0.9	0.000	0.0	2.30	2.23	190.6	0.0	0.0	0.0
250 TP	31.5	96.4	137.8	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.41	118.59	1.0	0.000	0.0	2.30	2.21	190.6	0.0	0.0	0.0
252 TP	31.5	98.5	138.7	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.45	118.56	1.1	0.000	0.0	2.30	2.20	190.6	0.0	0.0	0.0
252 TP	31.5	100.3	138.7	1.93	18.31	0.003	0.021	0.05	6.47	6.45	25.48	118.49	0.9	0.000	0.0	2.30	2.24	190.5	0.0	0.0	0.0
253 TP	31.5	100.2	137.7	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.45	118.51	1.0	0.000	0.0	2.30	2.19	190.5	0.0	0.0	0.0
255 TP	31.6	97.4	137.8	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.46	118.46	1.1	0.000	0.0	2.30	2.19	190.5	0.0	0.0	0.0
255 TP	31.5	96.1	138.0	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.42	118.48	0.9	0.000	0.0	2.30	2.18	190.5	0.0	0.0	0.0
257 TP	31.6	95.6	137.4	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.34	118.45	1.1	0.000	0.0	2.31	2.21	190.5	0.0	0.0	0.0
257 TP	31.6	95.8	138.1	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.35	118.45	0.9	0.000	0.0	2.31	2.21	190.5	0.0	0.0	0.0
258 TP	31.6	96.6	137.7	1.93	18.31	0.003	0.021	0.05	6.48	6.46	25.42	118.44	1.0	0.000	0.0	2.30	2.19	190.6	0.0	0.0	0.0
260 TP	31.6	93.5	137.7	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.42	118.46	1.1	0.000	0.0	2.30	2.24	190.6	0.0	0.0	0.0
261 TP	31.5	93.6	138.0	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.35	118.46	1.0	0.000	0.0	2.31	2.21	190.5	0.0	0.0	0.0
261 TP	31.5	73.4	137.8	1.93	18.31	0.003	0.016	0.05	6.48	6.47	25.30	118.59	0.9	0.000	0.0	2.30	2.23	190.5	0.0	0.0	0.0
262 TP	31.5	93.5	138.1	1.93	18.31	0.003	0.020	0.05	6.48	6.47	25.30	118.46	1.0	0.000	0.0	2.31	2.25	190.6	0.0	0.0	0.0
264 TP	31.4	94.7	138.5	1.93	18.31	0.003	0.020	0.05	6.48	6.47	25.30	118.46	1.1	0.000	0.0	2.31	2.23	190.6	0.0	0.0	0.0
264 TP	31.4	95.7	138.0	1.93	18.31	0.003	0.020	0.05	6.49	6.47	25.25	118.45	0.9	0.000	0.0	2.31	2.26	190.6	0.0	0.0	0.0
265 TP	31.4	97.0	138.4	1.93	18.31	0.003	0.021	0.05	6.49	6.47	25.23	118.44	1.0	0.000	0.0	2.31	2.20	190.6	0.0	0.0	0.0
267 TP	31.4	94.7	138.5	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.34	118.46	1.1	0.000	0.0	2.31	2.24	190.6	0.0	0.0	0.0
267 TP	31.4	94.4	138.3	1.93	18.31	0.003	0.020	0.05	6.48	6.46	25.40	118.47	0.9	0.000	0.0	2.30	2.26	190.5	0.0	0.0	0.0
269 TP	31.4	91.2	138.3	1.93	18.31	0.003	0.019	0.05	6.47	6.46	25.46	118.48	1.1	0.000	0.0	2.30	2.20	190.5	0.0	0.0	0.0
270 TP	31.5	93.7	138.2	1.93	18.31	0.003	0.020	0.05	6.47	6.45	25.49	118.46	1.0	0.000	0.0	2.30	2.16	190.5	0.0	0.0	0.0
271 TP	31.5	95.2	137.9	1.93	18.31	0.003	0.020	0.05	6.47	6.45	25.49	118.45	1.0	0.000	0.0	2.30	2.21	190.5	0.0	0.0	0.0
271 TP	31.5	97.9	138.0	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.47	118.44	0.9	0.000	0.0	2.30	2.17	190.5	0.0	0.0	0.0
273 TP	31.5	96.6	137.8	1.93	18.31	0.003	0.021	0.05	6.47	6.46	25.44	118.44	1.1	0.000	0.0	2.30	2.22	190.5	0.0	0.0	0.0
274 TP	31.5	96.4	137.8	1.94	18.31	0.003	0.021	0.05	6.48	6.46	25.42	118.40	1.0	0.000	0.0	2.31	2.31	190.5	0.0	0.0	0.0
274 TP	31.5	97.0	138.1	1.94	18.31	0.003	0.021	0.05	6.48	6.45	25.48	118.33	0.9	0.000	0.0	2.31	2.23	190.4	0.0	0.0	0.0
276 TP	31.5	95.9	138.1	1.94	18.31	0.003	0.020	0.05	6.48	6.45	25.49	118.34	1.1	0.000	0.0	2.30	2.15	190.4	0.0	0.0	0.0
277 TP	31.5	91.8	137.7	1.94	18.31	0.003	0.020	0.05	6.48	6.45	25.48	118.36	1.0	0.000	0.0	2.30	2.17	190.4	0.0	0.0	0.0
277 TP	31.6	91.3	137.5	1.94	18.31	0.003	0.019	0.05	6.48	6.46	25.42	118.37	0.9	0.000	0.0	2.31	2.17	190.3	0.0	0.0	0.0
279 TP	31.6	94.3	137.7	1.94	18.31	0.003	0.020	0.05	6.49	6.46	25.38	118.32	1.1	0.000	0.0	2.31	2.21	190.3	0.0	0.0	0.0
279 TP	31.6	96.5	137.6	1.94	18.31	0.003	0.021	0.05	6.49	6.46	25.37	118.33	0.9	0.000	0.0	2.31	2.25	190.4	0.0	0.0	0.0
280 TP	31.6	101.1	137.9	1.94	18.31	0.003	0.022	0.05	6.48	6.47	25.32	118.37	1.0	0.000	0.0	2.31	2.20	190.4	0.0	0.0	0.0
282 TP	31.6	101.2	137.7	1.93	18.31	0.003	0.022	0.05	6.48	6.46	25.37	118.47	1.1	0.000	0.0	2.31	2.14	190.4	0.0	0.0	0.0

283 TP	31.6	95.6	137.4	1.93	18.31	0.003	0.020	0.05	6.47	6.46	25.47	118.52	1.0	0.000	0.0	2.30	2.19	190.4	0.0	0.0	0.0
283 TP	31.7	94.3	136.3	1.93	18.31	0.003	0.020	0.05	6.46	6.45	25.51	118.58	0.9	0.000	0.0	2.30	2.19	190.4	0.0	0.0	0.0
285 TP	31.6	92.3	136.2	1.93	18.31	0.003	0.020	0.05	6.46	6.45	25.48	118.60	1.1	0.000	0.0	2.30	2.19	190.4	0.0	0.0	0.0
286 TP	31.6	73.5	136.9	1.93	18.32	0.003	0.016	0.05	6.47	6.46	25.43	118.76	1.0	0.000	0.0	2.30	2.13	190.4	0.0	0.0	0.0
286 TP	31.6	88.8	137.5	1.93	18.32	0.003	0.019	0.05	6.47	6.46	25.44	118.65	0.9	0.000	0.0	2.30	2.17	190.4	0.0	0.0	0.0
287 TP	31.6	89.2	137.6	1.93	18.32	0.003	0.019	0.05	6.46	6.45	25.50	118.68	1.0	0.000	0.0	2.30	2.23	190.4	0.0	0.0	0.0
288 TP	31.6	90.3	137.3	1.93	18.32	0.003	0.019	0.05	6.46	6.46	25.45	118.76	1.0	0.000	0.0	2.30	2.18	190.4	0.0	0.0	0.0
289 TP	31.6	91.4	136.9	1.93	18.32	0.003	0.019	0.05	6.46	6.46	25.41	118.77	1.0	0.000	0.0	2.30	2.17	190.4	0.0	0.0	0.0
290 TP	31.5	90.6	136.3	1.93	18.32	0.003	0.019	0.05	6.46	6.46	25.43	118.78	1.0	0.000	0.0	2.30	2.17	190.4	0.0	0.0	0.0
291 TP	31.5	92.3	136.6	1.93	18.32	0.003	0.020	0.05	6.46	6.46	25.45	118.77	1.0	0.000	0.0	2.30	2.19	190.4	0.0	0.0	0.0
292 TP	31.5	93.0	136.9	1.93	18.32	0.003	0.020	0.05	6.46	6.45	25.51	118.76	1.0	0.000	0.0	2.30	2.23	190.4	0.0	0.0	0.0
293 TP	31.5	92.3	137.1	1.93	18.32	0.003	0.020	0.05	6.45	6.45	25.56	118.77	1.0	0.000	0.0	2.30	2.22	190.4	0.0	0.0	0.0
294 TP	31.5	91.5	136.7	1.93	18.32	0.003	0.019	0.05	6.45	6.45	25.56	118.77	1.0	0.000	0.0	2.30	2.21	190.4	0.0	0.0	0.0
295 TP	31.5	90.3	136.3	1.93	18.32	0.003	0.019	0.05	6.45	6.45	25.52	118.87	1.0	0.000	0.0	2.29	2.21	190.4	0.0	0.0	0.0
296 TP	31.5	93.1	136.1	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.45	118.88	1.0	0.000	0.0	2.30	2.21	190.4	0.0	0.0	0.0
297 TP	31.5	93.9	135.7	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.38	118.92	1.0	0.000	0.0	2.30	2.21	190.4	0.0	0.0	0.0
298 TP	31.5	93.9	135.7	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.32	118.98	1.0	0.000	0.0	2.30	2.21	190.4	0.0	0.0	0.0
299 TP	31.5	90.8	135.6	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.36	118.96	1.0	0.000	0.0	2.30	2.28	190.4	0.0	0.0	0.0
300 TP	31.5	91.1	136.5	1.93	18.32	0.003	0.019	0.05	6.46	6.46	25.40	118.89	1.0	0.000	0.0	2.30	2.25	190.4	0.0	0.0	0.0
301 TP	31.5	92.3	136.3	1.93	18.32	0.003	0.020	0.05	6.45	6.45	25.51	118.88	1.0	0.000	0.0	2.29	2.23	190.4	0.0	0.0	0.0
302 TP	31.5	94.6	136.0	1.93	18.32	0.003	0.020	0.05	6.45	6.45	25.53	118.88	1.0	0.000	0.0	2.29	2.23	190.4	0.0	0.0	0.0
303 TP	31.6	97.0	135.5	1.93	18.33	0.003	0.021	0.05	6.45	6.45	25.56	118.88	1.0	0.000	0.0	2.29	2.22	190.4	0.0	0.0	0.0
304 TP	31.6	95.2	135.0	1.93	18.32	0.003	0.020	0.05	6.45	6.45	25.49	118.91	1.0	0.000	0.0	2.29	2.22	190.4	0.0	0.0	0.0
305 TP	31.6	93.0	135.9	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.44	118.99	1.0	0.000	0.0	2.29	2.27	190.4	0.0	0.0	0.0
306 TP	31.6	90.2	136.1	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.47	118.94	1.0	0.000	0.0	2.29	2.12	190.4	0.0	0.0	0.0
307 TP	31.6	87.9	136.3	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.43	119.02	1.0	0.000	0.0	2.29	2.31	190.4	0.0	0.0	0.0
308 TP	31.6	87.6	136.0	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.40	119.02	1.0	0.000	0.0	2.29	2.38	190.4	0.0	0.0	0.0
309 TP	31.6	91.8	136.1	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.43	119.00	1.0	0.000	0.0	2.29	2.28	190.4	0.0	0.0	0.0
310 TP	31.6	91.3	136.3	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.46	118.95	1.0	0.000	0.0	2.29	2.21	190.4	0.0	0.0	0.0
311 TP	31.6	91.4	136.3	1.93	18.32	0.003	0.019	0.05	6.45	6.46	25.43	118.90	1.0	0.000	0.0	2.30	2.22	190.4	0.0	0.0	0.0
312 TP	31.6	94.7	135.9	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.40	118.95	1.0	0.000	0.0	2.30	2.29	190.4	0.0	0.0	0.0
313 TP	31.6	94.4	135.6	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.35	118.98	1.0	0.000	0.0	2.30	2.29	190.4	0.0	0.0	0.0
314 TP	31.6	93.8	135.0	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.35	118.98	1.0	0.000	0.0	2.30	2.30	190.4	0.0	0.0	0.0
315 TP	31.6	101.4	135.1	1.93	18.32	0.003	0.022	0.05	6.46	6.46	25.39	118.85	1.0	0.000	0.0	2.30	2.25	190.4	0.0	0.0	0.0
316 TP	31.6	100.4	135.4	1.93	18.32	0.003	0.021	0.05	6.45	6.46	25.39	118.94	1.0	0.000	0.0	2.30	2.19	190.3	0.0	0.0	0.0
317 TP	31.6	99.2	135.4	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.39	118.98	1.0	0.000	0.0	2.30	2.29	190.3	0.0	0.0	0.0
318 TP	31.6	93.1	135.2	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.41	118.99	1.0	0.000	0.0	2.29	2.38	190.3	0.0	0.0	0.0
319 TP	31.6	93.5	135.4	1.93	18.33	0.003	0.020	0.05	6.45	6.46	25.43	119.03	1.0	0.000	0.0	2.29	2.32	190.3	0.0	0.0	0.0
320 TP	31.6	94.7	135.0	1.93	18.33	0.003	0.020	0.05	6.45	6.46	25.39	119.01	1.0	0.000	0.0	2.30	2.36	190.4	0.0	0.0	0.0
321 TP	31.6	98.8	135.2	1.93	18.32	0.003	0.021	0.05	6.45	6.46	25.38	118.97	1.0	0.000	0.0	2.30	2.30	190.4	0.0	0.0	0.0
322 TP	31.6	96.6	135.3	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.31	118.97	1.0	0.000	0.0	2.30	2.21	190.4	0.0	0.0	0.0
323 TP	31.6	98.2	134.9	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.28	118.96	1.0	0.000	0.0	2.30	2.23	190.4	0.0	0.0	0.0
324 TP	31.6	97.7	135.3	1.93	18.32	0.003	0.021	0.05	6.46	6.47	25.24	118.96	1.0	0.000	0.0	2.30	2.27	190.4	0.0	0.0	0.0
325 TP	31.5	95.0	136.0	1.93	18.32	0.003	0.020	0.05	6.46	6.47	25.28	118.95	1.0	0.000	0.0	2.30	2.28	190.3	0.0	0.0	0.0
326 TP	31.5	94.9	135.3	1.93	18.33	0.003	0.020	0.05	6.46	6.46	25.33	118.94	1.0	0.000	0.0	2.30	2.24	190.3	0.0	0.0	0.0
327 TP	31.5	95.9	135.2	1.93	18.32	0.003	0.020	0.05	6.45	6.46	25.41	118.99	1.0	0.000	0.0	2.29	2.36	190.3	0.0	0.0	0.0
328 TP	31.5	97.4	135.3	1.93	18.32	0.003	0.021	0.05	6.45	6.46	25.41	118.96	1.0	0.000	0.0	2.29	2.29	190.3	0.0	0.0	0.0
329 TP	31.5	98.3	136.0	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.37	119.01	1.0	0.000	0.0	2.30	2.28	190.3	0.0	0.0	0.0
330 TP	31.5	101.8	135.9	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.31	119.10	1.0	0.000	0.0	2.30	2.28	190.3	0.0	0.0	0.0
331 TP	31.6	104.1	135.9	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.31	119.10	1.0	0.000	0.0	2.30	2.29	190.3	0.0	0.0	0.0
332 TP	31.6	102.1	135.2	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.33	119.12	1.0	0.000	0.0	2.30	2.26	190.3	0.0	0.0	0.0
333 TP	31.6	102.3	134.6	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.31	119.12	1.0	0.000	0.0	2.30	2.30	190.3	0.0	0.0	0.0
334 TP	31.6	103.8	135.1	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.27	119.11	1.0	0.000	0.0	2.30	2.30	190.3	0.0	0.0	0.0
335 TP	31.6	102.3	135.5	1.92	18.33	0.003	0.022	0.05	6.45	6.47	25.27	119.12	0.1	0.000	0.0	2.30	2.33	190.3	0.0	0.0	0.0
336 TP	31.6	102.1	135.6	1.92	18.33	0.003	0.022	0.05	6.45	6.46	25.33	119.12	0.0	0.000	0.0	2.30	2.29	190.3	0.0	0.0	0.0
337 TP	31.6	100.0	136.0	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.35	119.02	0.0	0.000	0.0	2.30	2.23	190.3	0.0	0.0	0.0
338 TP	31.6	98.1	136.4	1.93	18.33	0.003	0.021	0.05	6.45	6.47	25.32	119.03	0.0	0.000	0.0	2.30	2.18	190.3	0.0	0.0	0.0
339 TP	31.6	99.9	136.2	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.38	119.02	0.0	0.000	0.0	2.30	2.25	190.3	0.0	0.0	0.0
340 TP	31.7	99.2	135.8	1.93	18.33	0.003	0.021	0.05	6.44	6.45	25.49	119.03	0.0	0.000	0.0	2.29	2.24	190.2	0.0	0.0	0.0

341	TP	31.7	97.0	136.0	1.93	18.33	0.003	0.021	0.05	6.44	6.45	25.50	119.04	0.0	0.000	0.0	2.29	2.22	190.2	0.0	0.0	0.0
342	TP	31.7	96.8	136.2	1.93	18.33	0.003	0.021	0.05	6.44	6.46	25.47	119.04	0.0	0.000	0.0	2.29	2.23	190.2	0.0	0.0	0.0
343	TP	31.7	97.3	136.7	1.93	18.33	0.003	0.021	0.05	6.44	6.45	25.50	119.03	0.0	0.000	0.0	2.29	2.31	190.2	0.0	0.0	0.0
344	TP	31.6	98.8	136.4	1.93	18.33	0.003	0.021	0.05	6.44	6.46	25.47	119.03	0.0	0.000	0.0	2.29	2.30	190.3	0.0	0.0	0.0
345	TP	31.6	99.8	135.8	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.43	119.02	0.0	0.000	0.0	2.29	2.27	190.3	0.0	0.0	0.0
346	TP	31.7	102.6	135.1	1.93	18.33	0.003	0.022	0.05	6.45	6.46	25.36	119.00	0.0	0.000	0.0	2.30	2.25	190.3	0.0	0.0	0.0
347	TP	31.7	100.5	134.8	1.93	18.33	0.003	0.021	0.05	6.45	6.46	25.37	119.04	0.0	0.000	0.0	2.30	2.27	190.3	0.0	0.0	0.0
348	TP	31.6	97.4	134.6	1.92	18.33	0.003	0.021	0.05	6.44	6.46	25.37	119.15	0.0	0.000	0.0	2.29	2.28	190.3	0.0	0.0	0.0
349	TP	31.6	92.0	134.8	1.93	18.33	0.003	0.020	0.05	6.45	6.46	25.42	119.09	0.0	0.000	0.0	2.29	2.24	190.3	0.0	0.0	0.0
350	TP	31.5	90.2	135.5	1.93	18.33	0.003	0.019	0.05	6.45	6.46	25.40	119.08	0.0	0.000	0.0	2.29	2.24	190.4	0.0	0.0	0.0
351	TP	31.5	92.8	136.3	1.93	18.33	0.003	0.020	0.05	6.45	6.46	25.43	119.03	0.0	0.000	0.0	2.29	2.26	190.4	0.0	0.0	0.0
352	TP	31.5	94.9	136.2	1.93	18.33	0.003	0.020	0.05	6.45	6.46	25.41	119.05	0.0	0.000	0.0	2.29	2.19	190.4	0.0	0.0	0.0
353	TP	31.5	97.0	136.0	1.93	18.33	0.003	0.021	0.05	6.46	6.47	25.30	119.04	0.0	0.000	0.0	2.30	2.17	190.4	0.0	0.0	0.0
354	TP	31.5	101.9	136.6	1.93	18.33	0.003	0.022	0.05	6.46	6.47	25.23	119.01	0.0	0.000	0.0	2.30	2.25	190.4	0.0	0.0	0.0
355	TP	31.5	104.1	137.0	1.93	18.33	0.003	0.022	0.05	6.46	6.47	25.26	118.99	0.0	0.000	0.0	2.30	2.24	190.4	0.0	0.0	0.0
356	TP	31.5	98.8	136.9	1.93	18.33	0.003	0.021	0.05	6.46	6.47	25.28	118.98	0.0	0.000	0.0	2.30	2.24	190.4	0.0	0.0	0.0
357	TP	31.5	98.5	136.2	1.93	18.32	0.003	0.021	0.05	6.46	6.46	25.34	118.91	0.0	0.000	0.0	2.30	2.25	190.4	0.0	0.0	0.0

Test #: 1051 SS - Idle

Date: 5/9/94

Test cycle results

CO (g/mi) =	25.95
CO2 (g/mi) =	57.53
NOx (g/mi) =	77.22

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
08:04:50	75.82	1.86	139.68	94.02	61.05	71.73	731.70					0.0016		
08:04:51	75.34	1.86	139.68	95.24	62.27	70.76	730.68	12.2669	12.5790	0.1131	0.0005	0.0032	0.0018	0.0000
08:04:52	75.34	1.87	139.68	95.24	63.49	70.76	730.68	12.4262	12.7424	0.1131	0.0010	0.0048	0.0036	0.0001
08:04:53	75.34	1.87	139.68	96.46	63.49	71.73	732.20	12.4262	12.7444	0.0000	0.0016	0.0064	0.0036	0.0001
08:04:54	75.34	1.87	139.68	97.68	64.71	70.76	732.20	12.5855	12.9078	0.0000	0.0021	0.0080	0.0036	0.0001
08:04:55	75.34	1.87	139.68	98.90	64.71	71.49	729.15	12.7448	13.0712	0.1131	0.0026	0.0097	0.0054	0.0001
08:04:56	75.34	1.87	139.68	100.12	64.71	70.76	731.19	12.9041	13.2346	0.1131	0.0032	0.0114	0.0073	0.0001
08:04:57	75.34	1.87	139.68	101.34	64.71	71.49	731.19	13.0634	13.3979	0.0000	0.0037	0.0131	0.0073	0.0001
08:04:58	75.34	1.87	139.68	101.34	64.71	71.73	731.19	13.2227	13.5613	0.1131	0.0043	0.0148	0.0091	0.0002
08:04:59	75.34	1.87	139.68	101.34	65.93	71.73	732.71	13.2227	13.5613	0.1131	0.0049	0.0165	0.0109	0.0002
08:05:00	75.34	1.86	139.68	101.34	65.93	71.73	729.66	13.2227	13.5613	0.1131	0.0054	0.0182	0.0127	0.0002
08:05:01	69.72	1.86	139.68	101.34	69.60	71.73	730.68	13.2227	13.5592	0.0000	0.0060	0.0199	0.0127	0.0002
08:05:02	69.84	1.86	139.68	102.56	75.70	71.73	730.68	13.2227	13.5591	0.1131	0.0065	0.0216	0.0145	0.0003
08:05:03	69.84	1.86	139.68	102.56	74.48	70.76	731.70	13.3820	13.7224	0.1131	0.0070	0.0234	0.0163	0.0003
08:05:04	69.72	1.86	139.68	102.56	74.48	71.73	731.70	13.3820	13.7224	0.1131	0.0075	0.0251	0.0181	0.0003
08:05:05	69.84	1.86	139.68	102.56	74.48	71.01	732.71	13.3820	13.7224	0.1131	0.0081	0.0268	0.0199	0.0003
08:05:06	69.84	1.86	139.68	101.34	73.26	71.73	729.66	13.3820	13.7224	0.0000	0.0086	0.0285	0.0199	0.0003
08:05:07	69.84	1.86	139.68	100.12	73.26	71.01	730.68	13.2227	13.5591	0.1131	0.0091	0.0302	0.0218	0.0004
08:05:08	69.72	1.86	139.68	100.12	72.04	71.73	728.64	13.0634	13.3957	0.0000	0.0096	0.0319	0.0218	0.0004
08:05:09	69.72	1.86	139.68	100.12	72.04	71.73	730.68	13.0634	13.3957	0.1131	0.0101	0.0336	0.0236	0.0004
08:05:10	69.84	1.86	137.73	100.12	72.04	71.73	730.68	13.0634	13.3957	0.1131	0.0106	0.0352	0.0254	0.0004
08:05:11	69.84	1.86	137.73	100.12	70.82	71.25	729.15	13.0634	13.3957	0.1131	0.0112	0.0369	0.0272	0.0005
08:05:12	69.84	1.86	137.24	98.90	69.60	71.01	729.15	13.0634	13.3957	0.0000	0.0117	0.0385	0.0272	0.0005
08:05:13	69.84	1.86	137.73	97.68	68.38	71.73	731.19	12.9041	13.2323	0.1131	0.0122	0.0401	0.0290	0.0005
08:05:14	69.84	1.86	137.73	97.68	67.16	71.25	729.15	12.7448	13.0690	0.1131	0.0127	0.0417	0.0308	0.0005
08:05:15	69.72	1.86	137.73	97.68	64.71	71.73	729.15	12.7448	13.0690	0.1131	0.0132	0.0434	0.0326	0.0006
08:05:16	69.72	1.86	137.73	96.46	64.71	71.01	729.15	12.7448	13.0690	0.1131	0.0137	0.0450	0.0344	0.0006
08:05:17	69.84	1.86	137.73	96.46	64.71	71.49	727.63	12.5855	12.9056	0.0000	0.0142	0.0466	0.0344	0.0006
08:05:18	69.84	1.86	137.73	95.24	64.71	70.52	729.66	12.5855	12.9056	0.1131	0.0147	0.0481	0.0362	0.0006
08:05:19	69.72	1.86	137.73	95.24	65.93	71.01	729.66	12.4262	12.7423	0.0000	0.0152	0.0497	0.0362	0.0006
08:05:20	69.84	1.86	137.24	96.46	69.60	70.52	729.66	12.4262	12.7423	0.0000	0.0156	0.0513	0.0362	0.0006
08:05:21	76.80	1.86	137.73	98.90	72.04	70.76	729.66	12.5855	12.9056	0.1131	0.0161	0.0529	0.0380	0.0007
08:05:22	76.80	1.86	137.73	100.12	73.26	71.25	728.14	12.9041	13.2325	0.1131	0.0167	0.0546	0.0398	0.0007
08:05:23	76.80	1.86	137.24	98.90	70.82	70.76	730.68	13.0634	13.3959	0.1131	0.0173	0.0562	0.0416	0.0007
08:05:24	76.80	1.86	137.73	98.90	68.38	71.01	729.66	12.9041	13.2325	0.1131	0.0178	0.0579	0.0434	0.0008
08:05:25	76.80	1.86	137.73	97.68	65.93	71.25	731.19	12.9041	13.2325	0.1131	0.0184	0.0595	0.0453	0.0008
08:05:26	76.80	1.86	137.73	96.46	65.93	71.25	731.19	12.7448	13.0692	0.1131	0.0189	0.0611	0.0471	0.0008
08:05:27	76.80	1.86	137.24	95.24	64.71	71.25	732.20	12.5855	12.9058	0.0000	0.0195	0.0627	0.0471	0.0008
08:05:28	76.80	1.86	137.24	95.24	63.49	71.01	730.17	12.4262	12.7424	0.1131	0.0200	0.0642	0.0489	0.0008
08:05:29	76.80	1.86	137.24	95.24	63.49	70.76	730.17	12.4262	12.7424	0.0000	0.0205	0.0658	0.0489	0.0008
08:05:30	76.80	1.86	139.68	95.24	63.49	71.01	731.19	12.4262	12.7424	0.1131	0.0211	0.0674	0.0507	0.0009
08:05:31	75.82	1.86	139.68	94.02	62.27	71.49	729.15	12.4262	12.7424	0.1131	0.0216	0.0690	0.0525	0.0009
08:05:32	75.82	1.86	139.68	95.24	62.27	71.25	731.19	12.2669	12.5790	0.1131	0.0221	0.0706	0.0543	0.0009
08:05:33	75.70	1.86	139.19	95.24	62.27	71.25	730.17	12.4262	12.7424	0.1131	0.0227	0.0722	0.0561	0.0010
08:05:34	75.82	1.86	139.68	95.24	61.05	71.73	731.19	12.4262	12.7424	0.0000	0.0232	0.0738	0.0561	0.0010
08:05:35	75.82	1.86	139.68	94.02	62.27	71.25	731.19	12.4262	12.7424	0.1131	0.0237	0.0754	0.0579	0.0010
08:05:36	75.82	1.85	139.68	94.02	63.49	71.73	730.17	12.2669	12.5790	0.0000	0.0242	0.0770	0.0579	0.0010
08:05:37	75.82	1.86	139.68	94.02	62.27	71.49	732.20	12.2669	12.5771	0.0000	0.0248	0.0785	0.0579	0.0010
08:05:38	75.82	1.86	139.68	94.02	62.27	71.49	730.68	12.2669	12.5790	0.1131	0.0253	0.0801	0.0597	0.0010
08:05:39	75.82	1.86	139.68	94.02	61.05	71.49	730.68	12.2669	12.5790	0.0000	0.0258	0.0817	0.0597	0.0010
08:05:40	75.82	1.86	139.68	94.02	59.83	71.98	729.15	12.2669	12.5790	0.0000	0.0263	0.0833	0.0597	0.0010
08:05:41	73.87	1.86	139.68	95.24	61.05	71.01	730.17	12.2669	12.5790	0.1131	0.0268	0.0849	0.0615	0.0011
08:05:42	73.87	1.86	139.68	94.02	61.05	71.01	733.22	12.4262	12.7424	0.0000	0.0274	0.0865	0.0615	0.0011
08:05:43	73.87	1.87	139.19	95.24	59.83	71.01	729.66	12.2669	12.5790	0.1131	0.0279	0.0881	0.0633	0.0011
08:05:44	73.87	1.87	139.68	95.24	58.61	71.73	731.70	12.4262	12.7444	0.1131	0.0284	0.0897	0.0652	0.0011
08:05:45	73.87	1.86	139.68	95.24	59.83	71.73	730.17	12.4262	12.7444	0.1131	0.0289	0.0913	0.0670	0.0012
08:05:46	73.87	1.86	139.68	95.24	59.83	71.25	731.70	12.4262	12.7424	0.1131	0.0294	0.0929	0.0688	0.0012
08:05:47	73.87	1.86	139.68	95.24	59.83	71.25	731.70							
08:05:48	73.87	1.86	139.68	96.46	61.05	71.01	729.66							

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			

08:05:49	73.87	1.86	139.68	96.46	63.49	71.25	731.70	12.4262	12.7424	0.1131	0.0299	0.0945	0.0706	0.0012
08:05:50	73.87	1.86	139.68	97.68	64.71	71.01	730.17	12.4262	12.7424	0.1131	0.0304	0.0961	0.0724	0.0013
08:05:51	74.85	1.86	139.19	100.12	65.93	71.49	728.64	12.5855	12.9057	0.1131	0.0310	0.0977	0.0742	0.0013
08:05:52	74.85	1.86	139.68	102.56	67.16	71.98	732.71	12.5855	12.9057	0.0000	0.0315	0.0993	0.0742	0.0013
08:05:53	74.85	1.86	139.68	102.56	65.93	71.01	731.70	12.7448	13.0691	0.1131	0.0320	0.1010	0.0760	0.0013
08:05:54	74.85	1.86	139.68	101.34	65.93	71.01	731.70	13.0634	13.3958	0.1131	0.0326	0.1027	0.0778	0.0014
08:05:55	74.85	1.86	139.68	100.12	65.93	71.73	733.22	13.3820	13.7225	0.1131	0.0331	0.1045	0.0796	0.0014
08:05:56	74.85	1.86	139.19	100.12	67.16	71.01	731.70	13.3820	13.7225	0.1131	0.0337	0.1062	0.0814	0.0014
08:05:57	74.85	1.86	139.68	100.12	68.38	71.01	731.70	13.2227	13.5592	0.0000	0.0342	0.1078	0.0814	0.0014
08:05:58	74.85	1.86	139.19	100.12	67.16	71.98	731.70	13.0634	13.3958	0.0000	0.0348	0.1095	0.0814	0.0014
08:05:59	74.85	1.86	139.68	101.34	67.16	71.98	729.15	13.0634	13.3958	0.1131	0.0353	0.1112	0.0832	0.0014
08:06:00	74.85	1.86	139.68	101.34	65.93	71.01	732.20	13.0634	13.3958	0.0000	0.0359	0.1129	0.0832	0.0014
08:06:01	76.31	1.86	139.19	100.12	64.71	71.01	729.15	13.0634	13.3958	0.1131	0.0364	0.1146	0.0851	0.0015
08:06:02	76.31	1.86	139.68	97.68	64.71	71.49	730.68	13.2227	13.5592	0.1131	0.0370	0.1163	0.0869	0.0015
08:06:03	76.31	1.86	139.68	96.46	64.71	71.98	730.68	13.2227	13.5592	0.1131	0.0376	0.1180	0.0887	0.0015
08:06:04	76.31	1.86	139.68	95.24	64.71	71.01	729.66	13.0634	13.3959	0.1131	0.0381	0.1196	0.0905	0.0016
08:06:05	76.31	1.86	139.68	95.24	64.71	71.01	729.66	12.7448	13.0691	0.1131	0.0387	0.1212	0.0923	0.0016
08:06:06	76.31	1.86	139.68	94.02	64.71	71.73	729.66	12.5855	12.9058	0.1131	0.0392	0.1228	0.0941	0.0016
08:06:07	76.31	1.86	139.68	94.02	64.71	71.73	731.19	12.4262	12.7424	0.1131	0.0397	0.1244	0.0959	0.0017
08:06:08	76.31	1.87	139.68	92.80	64.71	71.01	731.19	12.4262	12.7424	0.1131	0.0403	0.1260	0.0977	0.0017
08:06:09	76.31	1.86	139.68	92.80	64.71	71.01	728.64	12.2669	12.5790	0.1131	0.0408	0.1276	0.0995	0.0017
08:06:10	76.31	1.87	139.68	94.02	64.71	70.28	731.70	12.2669	12.5790	0.0000	0.0413	0.1292	0.0995	0.0017
08:06:11	70.33	1.85	139.68	94.02	64.71	71.25	730.68	12.1076	12.4176	0.1131	0.0418	0.1307	0.1013	0.0018
08:06:12	70.33	1.87	139.19	95.24	64.71	70.76	731.70	12.1076	12.4157	0.0000	0.0423	0.1323	0.1013	0.0018
08:06:13	70.33	1.87	139.68	95.24	64.71	71.01	732.71	12.2669	12.5810	0.1131	0.0429	0.1339	0.1032	0.0018
08:06:14	70.33	1.87	139.68	95.24	64.71	70.76	730.68	12.2669	12.5782	0.0000	0.0434	0.1355	0.1032	0.0018
08:06:15	70.33	1.87	139.68	95.24	64.71	70.76	731.70	12.4262	12.7436	0.1131	0.0438	0.1371	0.1050	0.0018
08:06:16	70.33	1.87	139.68	95.24	64.71	71.73	729.66	12.4262	12.7436	0.0000	0.0443	0.1387	0.1050	0.0018
08:06:17	70.33	1.85	139.68	95.24	64.71	71.01	729.66	12.4262	12.7436	0.0000	0.0448	0.1403	0.1050	0.0018
08:06:18	70.33	1.85	139.68	95.24	64.71	71.01	729.66	12.4262	12.7436	0.0000	0.0453	0.1419	0.1050	0.0018
08:06:19	70.33	1.85	139.68	95.24	64.71	71.73	729.66	12.4262	12.7436	0.1131	0.0458	0.1435	0.1068	0.0019
08:06:20	70.33	1.85	139.68	96.46	64.71	71.01	728.64	12.4262	12.7416	0.0000	0.0463	0.1451	0.1068	0.0019
08:06:21	76.80	1.87	139.68	96.46	64.71	71.49	728.64	12.4262	12.7416	0.1131	0.0468	0.1467	0.1086	0.0019
08:06:22	76.80	1.87	139.68	95.24	64.71	71.73	729.66	12.4262	12.7416	0.0000	0.0473	0.1483	0.1086	0.0019
08:06:23	76.80	1.87	139.68	95.24	64.71	71.73	728.14	12.5855	12.9050	0.1131	0.0478	0.1499	0.1104	0.0019
08:06:24	76.80	1.85	139.68	95.24	64.71	71.01	730.68	12.5855	12.9071	0.1131	0.0483	0.1515	0.1122	0.0019
08:06:25	76.80	1.85	139.68	95.24	63.49	70.76	729.15	12.4262	12.7438	0.1131	0.0489	0.1531	0.1140	0.0020
08:06:26	76.80	1.87	139.68	94.02	63.49	71.98	731.19	12.4262	12.7438	0.1131	0.0494	0.1547	0.1158	0.0020
08:06:27	76.80	1.87	139.68	94.02	62.27	71.01	731.19	12.4262	12.7418	0.1131	0.0499	0.1563	0.1176	0.0020
08:06:28	76.80	1.86	139.68	95.24	61.05	71.98	729.66	12.4262	12.7418	0.1131	0.0505	0.1579	0.1194	0.0021
08:06:29	76.80	1.86	139.68	95.24	61.05	71.49	727.63	12.2669	12.5810	0.1131	0.0510	0.1595	0.1213	0.0021
08:06:30	76.80	1.86	141.64	96.46	62.27	71.49	732.20	12.2669	12.5810	0.0000	0.0515	0.1611	0.1213	0.0021
08:06:31	82.30	1.86	141.15	96.46	63.49	71.49	732.20	12.4262	12.7424	0.0000	0.0521	0.1627	0.1213	0.0021
08:06:32	82.30	1.86	141.64	97.68	63.49	71.73	732.20	12.4262	12.7424	0.0000	0.0526	0.1643	0.1213	0.0021
08:06:33	82.30	1.86	141.64	98.90	64.71	70.76	728.64	12.5855	12.9058	0.0000	0.0531	0.1660	0.1213	0.0021
08:06:34	82.30	1.86	141.64	98.90	64.71	71.73	731.70	12.5855	12.9059	0.1131	0.0537	0.1676	0.1231	0.0021
08:06:35	82.30	1.86	141.15	98.90	63.49	71.98	728.14	12.7448	13.0693	0.1131	0.0543	0.1693	0.1249	0.0022
08:06:36	82.30	1.86	141.64	97.68	62.27	71.98	730.17	12.9041	13.2326	0.1131	0.0549	0.1710	0.1267	0.0022
08:06:37	82.30	1.86	141.64	98.90	63.49	71.25	730.17	12.9041	13.2326	0.1131	0.0555	0.1727	0.1285	0.0022
08:06:38	82.30	1.86	141.64	97.68	64.71	71.73	730.17	12.9041	13.2326	0.1131	0.0561	0.1743	0.1303	0.0023
08:06:39	82.30	1.87	141.15	96.46	64.71	71.73	730.17	12.7448	13.0693	0.1131	0.0567	0.1760	0.1321	0.0023
08:06:40	82.30	1.85	141.15	96.46	63.49	71.01	730.17	12.9041	13.2326	0.1131	0.0573	0.1777	0.1339	0.0023
08:06:41	79.24	1.85	141.15	96.46	62.27	71.49	726.10	12.7448	13.0693	0.0000	0.0579	0.1793	0.1339	0.0023
08:06:42	79.24	1.85	141.15	95.24	62.27	71.01	731.19	12.5855	12.9079	0.1131	0.0585	0.1810	0.1357	0.0024
08:06:43	79.24	1.87	141.64	95.24	61.05	71.49	730.17	12.5855	12.9052	0.1131	0.0590	0.1826	0.1375	0.0024
08:06:44	79.37	1.87	141.64	95.24	61.05	71.01	730.17	12.5855	12.9052	0.1131	0.0596	0.1842	0.1393	0.0024
08:06:45	79.24	1.87	141.64	95.24	61.05	71.49	729.15	12.4262	12.7418	0.0000	0.0601	0.1859	0.1393	0.0024
08:06:46	79.24	1.87	141.15	96.46	59.83	71.98	727.12	12.4262	12.7445	0.1131	0.0607	0.1875	0.1412	0.0025
08:06:47	79.24	1.86	141.64	96.46	59.83	71.73	731.70	12.4262	12.7445	0.1131	0.0613	0.1891	0.1430	0.0025
08:06:48	79.24	1.86	141.64	96.46	59.83	71.25	729.15	12.4262	12.7445	0.1131	0.0618	0.1907	0.1448	0.0025
08:06:49	79.24	1.86	141.64	96.46	59.83	71.73	729.15	12.5855	12.9079	0.1131	0.0624	0.1924	0.1466	0.0025
08:06:50	79.24	1.86	141.64	96.46	61.05	71.01	727.12	12.5855	12.9058	0.1131	0.0629	0.1940	0.1484	0.0026
08:06:51	79.24	1.86	141.64	96.46	62.27	71.25	726.10	12.5855	12.9058	0.1131	0.0635	0.1957	0.1502	0.0026
08:06:52	79.24	1.86	141.64	96.46	62.27	71.01	729.15	12.5855	12.9058	0.0000	0.0640	0.1973	0.1502	0.0026
08:06:53	79.24	1.86	141.64	97.68	63.49	71.49	729.15	12.5855	12.9058	0.1131	0.0646	0.1990	0.1520	0.0026
08:06:54	79.24	1.86	141.64	98.90	62.27	71.73	727.63	12.5855	12.9058	0.1131	0.0652	0.2006	0.1539	0.0027
08:06:55	79.24	1.86	141.64	98.90	62.27	71.01	730.17	12.5855	12.9058	0.1131	0.0657	0.2023	0.1557	0.0027

08:06:56	79.24	1.87	141.64	97.68	59.83	71.25	728.14	12.7448	13.0692	0.1131	0.0663	0.2039	0.1575	0.0027
08:06:57	79.24	1.87	141.64	96.46	59.83	71.73	728.14	12.9041	13.2326	0.1131	0.0669	0.2056	0.1593	0.0028
08:06:58	79.24	1.87	141.64	95.24	59.83	70.76	729.15	12.9041	13.2326	0.0000	0.0674	0.2073	0.1593	0.0028
08:06:59	79.24	1.87	141.64	95.24	59.83	71.73	729.15	12.7448	13.0713	0.1131	0.0680	0.2089	0.1611	0.0028
08:07:00	79.24	1.86	141.15	95.24	59.83	71.98	731.19	12.5855	12.9079	0.0000	0.0686	0.2106	0.1611	0.0028
08:07:01	82.30	1.87	141.64	95.24	59.83	71.73	727.63	12.4262	12.7445	0.1131	0.0691	0.2122	0.1629	0.0028
08:07:02	82.30	1.86	141.64	95.24	61.05	71.01	730.17	12.4262	12.7445	0.0000	0.0697	0.2138	0.1629	0.0028
08:07:03	82.30	1.86	141.64	96.46	61.05	71.01	728.64	12.4262	12.7425	0.1131	0.0702	0.2154	0.1647	0.0029
08:07:04	82.30	1.86	141.15	96.46	61.05	71.73	731.70	12.4262	12.7452	0.0000	0.0708	0.2171	0.1647	0.0029
08:07:05	82.30	1.87	141.64	96.46	61.05	71.73	726.61	12.4262	12.7426	0.0000	0.0714	0.2187	0.1647	0.0029
08:07:06	82.30	1.86	141.64	96.46	62.27	71.73	728.64	12.5855	12.9059	0.1131	0.0720	0.2203	0.1665	0.0029
08:07:07	82.30	1.86	141.64	95.24	62.27	71.73	730.17	12.5855	12.9059	0.1131	0.0725	0.2220	0.1683	0.0029
08:07:08	82.30	1.87	141.15	95.24	62.27	71.73	729.15	12.5855	12.9079	0.1131	0.0731	0.2236	0.1702	0.0030
08:07:09	82.30	1.87	141.64	96.46	61.05	71.73	725.59	12.5855	12.9059	0.0000	0.0737	0.2252	0.1702	0.0030
08:07:10	82.30	1.87	141.64	96.46	61.05	71.49	727.63	12.4262	12.7426	0.1131	0.0743	0.2269	0.1720	0.0030
08:07:11	73.87	1.86	141.64	95.24	61.05	71.01	727.63	12.4262	12.7452	0.0000	0.0749	0.2285	0.1720	0.0030
08:07:12	73.87	1.86	141.15	95.24	61.05	71.25	729.15	12.5855	12.9086	0.1131	0.0754	0.2302	0.1738	0.0030
08:07:13	73.87	1.86	141.15	95.24	61.05	71.01	728.14	12.5855	12.9086	0.1131	0.0760	0.2318	0.1756	0.0030
08:07:14	73.87	1.86	141.64	96.46	61.05	71.01	729.66	12.4262	12.7430	0.1131	0.0765	0.2334	0.1774	0.0031
08:07:15	73.87	1.86	141.15	95.24	61.05	71.25	727.12	12.4262	12.7430	0.1131	0.0770	0.2350	0.1792	0.0031
08:07:16	73.87	1.86	141.64	95.24	61.05	71.73	728.64	12.4262	12.7430	0.1131	0.0776	0.2367	0.1811	0.0031
08:07:17	73.87	1.86	141.64	95.24	61.05	71.49	728.64	12.5855	12.9064	0.1131	0.0781	0.2383	0.1829	0.0032
08:07:18	73.87	1.86	141.15	96.46	61.05	71.01	728.64	12.4262	12.7430	0.1131	0.0786	0.2399	0.1847	0.0032
08:07:19	73.87	1.86	141.64	97.68	61.05	71.49	730.17	12.4262	12.7430	0.0000	0.0791	0.2415	0.1847	0.0032
08:07:20	73.87	1.86	139.68	97.68	61.05	71.01	731.19	12.4262	12.7430	0.0000	0.0796	0.2432	0.1847	0.0032
08:07:21	80.95	1.86	139.68	98.90	62.27	71.73	729.66	12.5855	12.9064	0.1131	0.0802	0.2448	0.1865	0.0032
08:07:22	80.83	1.86	139.19	98.90	62.27	71.49	727.63	12.7448	13.0698	0.1131	0.0807	0.2465	0.1883	0.0033
08:07:23	80.83	1.85	139.68	97.68	62.27	71.01	729.66	12.7448	13.0698	0.1131	0.0812	0.2481	0.1901	0.0033
08:07:24	80.83	1.85	139.68	97.68	63.49	71.73	732.71	12.9041	13.2333	0.0000	0.0818	0.2498	0.1901	0.0033
08:07:25	80.83	1.85	139.68	97.68	63.49	71.49	729.15	12.9041	13.2333	0.0000	0.0824	0.2514	0.1901	0.0033
08:07:26	80.95	1.85	139.68	96.46	64.71	71.01	729.15	12.7448	13.0679	0.1131	0.0830	0.2531	0.1919	0.0033
08:07:27	80.83	1.85	139.68	96.46	62.27	71.73	727.63	12.7448	13.0679	0.1131	0.0835	0.2547	0.1937	0.0034
08:07:28	80.95	1.85	139.68	96.46	62.27	71.25	730.17	12.7448	13.0679	0.1131	0.0841	0.2563	0.1955	0.0034
08:07:29	80.95	1.85	139.68	96.46	62.27	71.01	728.14	12.5855	12.9045	0.1131	0.0847	0.2580	0.1973	0.0034
08:07:30	80.83	1.85	139.68	98.90	61.05	71.01	727.12	12.5855	12.9045	0.1131	0.0853	0.2596	0.1991	0.0035
08:07:31	80.95	1.85	139.68	98.90	61.05	71.01	728.64	12.5855	12.9045	0.1131	0.0858	0.2612	0.2009	0.0035
08:07:32	80.95	1.85	139.68	97.68	61.05	71.25	728.64	12.5855	12.9045	0.0000	0.0864	0.2629	0.2009	0.0035
08:07:33	80.83	1.85	139.68	96.46	62.27	71.01	729.66	12.9041	13.2312	0.0000	0.0870	0.2645	0.2009	0.0035
08:07:34	80.95	1.85	139.68	96.46	62.27	71.01	731.70	12.9041	13.2312	0.1131	0.0876	0.2662	0.2027	0.0035
08:07:35	80.95	1.85	139.68	96.46	62.27	71.73	729.15	12.7448	13.0679	0.1131	0.0882	0.2678	0.2045	0.0035
08:07:36	80.83	1.85	139.68	96.46	62.27	71.01	730.17	12.5855	12.9045	0.0000	0.0887	0.2694	0.2045	0.0035
08:07:37	80.95	1.85	139.68	96.46	61.05	71.73	730.17	12.5855	12.9045	0.1131	0.0893	0.2710	0.2063	0.0036
08:07:38	80.83	1.86	139.68	96.46	61.05	71.73	731.19	12.5855	12.9045	0.0000	0.0899	0.2726	0.2063	0.0036
08:07:39	80.95	1.85	139.68	96.46	62.27	71.73	731.19	12.5855	12.9045	0.1131	0.0904	0.2743	0.2081	0.0036
08:07:40	80.83	1.85	139.68	95.24	62.27	71.73	731.19	12.5855	12.9045	0.1131	0.0910	0.2759	0.2099	0.0036
08:07:41	78.39	1.86	139.68	96.46	62.27	71.49	727.63	12.5855	12.9066	0.1131	0.0916	0.2775	0.2117	0.0037
08:07:42	78.27	1.86	139.68	96.46	59.83	71.73	729.15	12.5855	12.9045	0.1131	0.0922	0.2791	0.2135	0.0037
08:07:43	78.27	1.86	139.68	95.24	59.83	71.49	727.63	12.4262	12.7412	0.0000	0.0927	0.2807	0.2135	0.0037
08:07:44	78.39	1.86	139.68	95.24	61.05	70.76	729.15	12.5855	12.9065	0.1131	0.0933	0.2824	0.2153	0.0037
08:07:45	78.27	1.86	139.68	95.24	62.27	71.73	727.12	12.5855	12.9065	0.0000	0.0938	0.2840	0.2153	0.0037
08:07:46	78.39	1.86	139.68	96.46	63.49	71.49	728.64	12.4262	12.7431	0.1131	0.0944	0.2856	0.2171	0.0038
08:07:47	78.27	1.85	139.68	96.46	62.27	71.73	728.64	12.4262	12.7431	0.1131	0.0949	0.2872	0.2190	0.0038
08:07:48	78.39	1.85	139.68	96.46	63.49	70.76	728.64	12.4262	12.7431	0.1131	0.0955	0.2888	0.2208	0.0038
08:07:49	78.27	1.85	139.68	96.46	64.71	71.73	730.17	12.5855	12.9065	0.1131	0.0960	0.2904	0.2226	0.0039
08:07:50	78.39	1.85	139.68	96.46	64.71	71.49	728.14	12.5855	12.9038	0.1131	0.0966	0.2920	0.2244	0.0039
08:07:51	81.32	1.85	139.68	98.90	67.16	71.01	728.14	12.5855	12.9038	0.0000	0.0971	0.2936	0.2244	0.0039
08:07:52	81.32	1.85	139.68	98.90	67.16	71.73	728.14	12.5855	12.9038	0.0000	0.0977	0.2953	0.2244	0.0039
08:07:53	81.32	1.85	139.68	100.12	65.93	71.98	731.19	12.5855	12.9038	0.1131	0.0982	0.2969	0.2262	0.0039
08:07:54	81.32	1.85	139.68	101.34	65.93	71.73	728.64	12.9041	13.2306	0.1131	0.0988	0.2986	0.2280	0.0040
08:07:55	81.32	1.85	139.68	100.12	65.93	71.98	729.66	12.9041	13.2306	0.1131	0.0994	0.3003	0.2298	0.0040
08:07:56	81.32	1.86	139.68	98.90	64.71	70.76	728.64	13.0634	13.3939	0.0000	0.1000	0.3020	0.2298	0.0040
08:07:57	81.32	1.86	139.68	98.90	63.49	71.01	728.64	13.2227	13.5572	0.1131	0.1006	0.3037	0.2316	0.0040
08:07:58	81.32	1.86	139.68	97.68	62.27	70.76	726.10	13.0634	13.3939	0.1131	0.1012	0.3053	0.2334	0.0041
08:07:59	81.32	1.86	139.68	97.68	62.27	71.01	731.70	12.9041	13.2326	0.1131	0.1018	0.3070	0.2352	0.0041
08:08:00	81.32	1.86	139.68	97.68	63.49	71.49	729.66	12.9041	13.2326	0.1131	0.1024	0.3086	0.2370	0.0041
08:08:01	76.31	1.86	139.68	98.90	63.49	71.01	729.66	12.7448	13.0693	0.1131	0.1030	0.3103	0.2388	0.0041
08:08:02	76.31	1.86	139.68	97.68	63.49	71.73	729.66	12.7448	13.0693	0.1131	0.1035	0.3119	0.2406	0.0042

08:08:03	76.31	1.86	139.68	97.68	64.71	71.49	728.14	12.7448	13.0693	0.1131	0.1041	0.3136	0.2424	0.0042
08:08:04	76.31	1.86	139.19	96.46	63.49	71.01	728.14	12.9041	13.2325	0.0000	0.1047	0.3152	0.2424	0.0042
08:08:05	76.31	1.86	139.68	96.46	63.49	71.01	727.12	12.7448	13.0691	0.0000	0.1052	0.3168	0.2424	0.0042
08:08:06	76.31	1.85	139.68	97.68	64.71	71.01	728.14	12.7448	13.0691	0.1131	0.1058	0.3185	0.2442	0.0042
08:08:07	76.31	1.85	139.68	97.68	63.49	71.73	728.14	12.5855	12.9058	0.1131	0.1063	0.3201	0.2460	0.0043
08:08:08	76.31	1.85	139.68	97.68	63.49	71.01	729.15	12.5855	12.9058	0.1131	0.1069	0.3217	0.2478	0.0043
08:08:09	76.31	1.86	139.68	97.68	63.49	70.76	730.17	12.7448	13.0671	0.0000	0.1074	0.3234	0.2478	0.0043
08:08:10	76.31	1.86	139.68	97.68	63.49	71.01	730.17	12.7448	13.0671	0.0000	0.1079	0.3250	0.2478	0.0043
08:08:11	81.32	1.86	139.68	97.68	62.27	71.73	726.61	12.7448	13.0671	0.1131	0.1085	0.3267	0.2496	0.0043
08:08:12	81.32	1.86	139.68	96.46	62.27	71.01	728.14	12.7448	13.0691	0.1131	0.1090	0.3283	0.2514	0.0044
08:08:13	81.44	1.86	139.68	97.68	63.49	71.01	728.14	12.7448	13.0691	0.1131	0.1096	0.3299	0.2532	0.0044
08:08:14	81.32	1.86	139.68	97.68	64.71	71.73	729.15	12.7448	13.0693	0.0000	0.1102	0.3316	0.2532	0.0044
08:08:15	81.32	1.86	139.68	97.68	63.49	71.01	725.08	12.5855	12.9059	0.0000	0.1107	0.3332	0.2532	0.0044
08:08:16	81.32	1.86	139.68	96.46	61.05	70.76	727.12	12.7448	13.0693	0.1131	0.1113	0.3348	0.2550	0.0044
08:08:17	81.32	1.86	139.68	97.68	59.83	71.01	727.12	12.7448	13.0693	0.0000	0.1119	0.3365	0.2550	0.0044
08:08:18	81.32	1.86	139.68	98.90	59.83	71.01	729.15	12.7448	13.0693	0.1131	0.1125	0.3381	0.2569	0.0045
08:08:19	81.32	1.86	139.68	97.68	59.83	71.01	728.14	12.5855	12.9059	0.1131	0.1131	0.3397	0.2587	0.0045
08:08:20	81.32	1.84	139.68	96.46	61.05	71.49	729.66	12.7448	13.0693	0.0000	0.1136	0.3414	0.2587	0.0045
08:08:21	67.77	1.84	139.68	95.24	59.83	71.49	727.63	12.9041	13.2326	0.0000	0.1142	0.3430	0.2587	0.0045
08:08:22	67.89	1.84	139.68	95.24	59.83	71.01	727.63	12.7448	13.0693	0.1131	0.1148	0.3447	0.2605	0.0045
08:08:23	67.89	1.84	139.68	94.02	61.05	71.49	728.64	12.5855	12.9032	0.1131	0.1154	0.3463	0.2623	0.0046
08:08:24	67.89	1.84	139.68	94.02	63.49	71.49	727.63	12.4262	12.7395	0.1131	0.1159	0.3479	0.2641	0.0046
08:08:25	67.89	1.84	139.68	94.02	63.49	71.49	730.17	12.4262	12.7395	0.1131	0.1163	0.3494	0.2658	0.0046
08:08:26	67.89	1.85	139.68	94.02	63.49	71.73	728.64	12.2669	12.5762	0.1131	0.1168	0.3510	0.2676	0.0046
08:08:27	67.89	1.84	139.68	94.02	62.27	71.01	729.66	12.2669	12.5762	0.1131	0.1173	0.3526	0.2694	0.0047
08:08:28	67.89	1.84	139.19	95.24	62.27	71.73	729.66	12.2669	12.5762	0.0000	0.1177	0.3542	0.2694	0.0047
08:08:29	67.89	1.84	139.68	96.46	61.05	71.25	728.64	12.2669	12.5782	0.1131	0.1182	0.3558	0.2712	0.0047
08:08:30	67.89	1.84	139.68	96.46	61.05	70.76	728.64	12.2669	12.5762	0.1131	0.1187	0.3574	0.2730	0.0047
08:08:31	80.34	1.85	139.68	96.46	61.05	71.73	728.64	12.4262	12.7395	0.0000	0.1191	0.3590	0.2730	0.0047
08:08:32	80.34	1.85	139.68	96.46	59.83	71.01	728.64	12.5855	12.9029	0.1131	0.1196	0.3606	0.2748	0.0048
08:08:33	80.34	1.85	139.68	96.46	58.61	70.76	727.12	12.5855	12.9029	0.1131	0.1201	0.3622	0.2766	0.0048
08:08:34	80.34	1.85	139.68	95.24	57.39	71.73	727.12	12.5855	12.9052	0.0000	0.1207	0.3638	0.2766	0.0048
08:08:35	80.34	1.85	139.68	94.02	57.39	70.76	728.14	12.5855	12.9052	0.0000	0.1212	0.3655	0.2766	0.0048
08:08:36	80.34	1.85	139.68	94.02	57.39	71.73	728.14	12.5855	12.9052	0.1131	0.1218	0.3671	0.2784	0.0048
08:08:37	80.34	1.85	139.68	94.02	58.61	70.76	728.14	12.4262	12.7418	0.1131	0.1224	0.3686	0.2802	0.0049
08:08:38	80.34	1.85	139.68	94.02	59.83	71.01	727.12	12.2669	12.5785	0.1131	0.1229	0.3702	0.2820	0.0049
08:08:39	80.34	1.85	139.68	94.02	59.83	71.73	727.12	12.2669	12.5785	0.0000	0.1235	0.3718	0.2820	0.0049
08:08:40	80.34	1.85	139.68	94.02	59.83	71.73	729.15	12.2669	12.5785	0.1131	0.1240	0.3734	0.2838	0.0049
08:08:41	88.28	1.85	139.68	94.02	59.83	70.76	729.15	12.2669	12.5785	0.1131	0.1246	0.3750	0.2856	0.0050
08:08:42	88.28	1.85	139.19	94.02	58.61	71.73	727.63	12.2669	12.5785	0.1131	0.1251	0.3765	0.2874	0.0050
08:08:43	88.16	1.85	139.68	95.24	58.61	71.73	729.15	12.2669	12.5787	0.0000	0.1257	0.3781	0.2874	0.0050
08:08:44	88.28	1.85	139.68	95.24	58.61	71.49	729.15	12.2669	12.5787	0.1131	0.1264	0.3797	0.2892	0.0050
08:08:45	88.28	1.85	139.68	95.24	58.61	70.76	728.14	12.4262	12.7420	0.1131	0.1270	0.3813	0.2910	0.0051
08:08:46	88.28	1.85	139.68	96.46	58.61	71.25	728.14	12.4262	12.7420	0.1131	0.1276	0.3829	0.2929	0.0051
08:08:47	88.28	1.84	139.68	97.68	59.83	70.76	728.14	12.4262	12.7420	0.1131	0.1282	0.3845	0.2947	0.0051
08:08:48	88.28	1.84	139.68	98.90	61.05	71.49	728.14	12.5855	12.9054	0.1131	0.1288	0.3862	0.2965	0.0052
08:08:49	88.28	1.84	139.68	98.90	62.27	71.01	726.61	12.7448	13.0667	0.1131	0.1295	0.3879	0.2983	0.0052
08:08:50	88.16	1.84	141.64	97.68	62.27	71.73	727.63	12.9041	13.2300	0.0000	0.1301	0.3895	0.2983	0.0052
08:08:51	80.34	1.84	141.64	97.68	62.27	71.01	726.61	12.9041	13.2300	0.0000	0.1307	0.3912	0.2983	0.0052
08:08:52	80.34	1.84	141.64	97.68	61.05	71.73	727.63	12.7448	13.0667	0.1131	0.1314	0.3928	0.3000	0.0052
08:08:53	80.34	1.84	141.64	96.46	61.05	71.01	727.63	12.7448	13.0665	0.1131	0.1319	0.3945	0.3018	0.0052
08:08:54	80.34	1.84	141.64	96.46	59.83	71.73	727.63	12.7448	13.0665	0.1131	0.1325	0.3961	0.3036	0.0053
08:08:55	80.34	1.84	141.64	96.46	59.83	71.01	726.61	12.5855	12.9032	0.1131	0.1331	0.3978	0.3054	0.0053
08:08:56	80.34	1.84	141.64	96.46	59.83	71.73	726.61	12.5855	12.9032	0.1131	0.1336	0.3994	0.3072	0.0053
08:08:57	80.34	1.85	141.15	97.68	61.05	71.73	727.63	12.5855	12.9032	0.1131	0.1342	0.4011	0.3090	0.0054
08:08:58	80.34	1.87	141.64	97.68	61.05	71.01	729.15	12.5855	12.9032	0.1131	0.1348	0.4027	0.3108	0.0054
08:08:59	80.34	1.87	141.64	97.68	61.05	70.76	728.14	12.7448	13.0686	0.1131	0.1354	0.4044	0.3126	0.0054
08:09:00	80.34	1.87	141.15	97.68	59.83	70.76	726.10	12.7448	13.0706	0.0000	0.1359	0.4061	0.3126	0.0054
08:09:01	76.80	1.87	141.64	97.68	59.83	70.76	727.12	12.7448	13.0706	0.0000	0.1365	0.4077	0.3126	0.0054
08:09:02	76.80	1.87	141.64	97.68	62.27	71.73	727.12	12.7448	13.0706	0.1131	0.1371	0.4094	0.3144	0.0055
08:09:03	76.80	1.87	141.64	97.68	62.27	71.49	727.12	12.7448	13.0705	0.0000	0.1376	0.4111	0.3144	0.0055
08:09:04	76.80	1.85	141.64	98.90	63.49	70.76	727.12	12.7448	13.0705	0.0000	0.1382	0.4127	0.3144	0.0055
08:09:05	76.80	1.85	141.15	97.68	63.49	71.73	727.12	12.7448	13.0705	0.0000	0.1387	0.4144	0.3144	0.0055
08:09:06	76.80	1.85	141.64	97.68	63.49	70.76	727.12	12.9041	13.2304	0.1131	0.1393	0.4161	0.3162	0.0055
08:09:07	76.80	1.85	141.64	97.68	63.49	71.73	727.12	12.7448	13.0671	0.0000	0.1398	0.4177	0.3162	0.0055
08:09:08	76.80	1.86	141.15	96.46	63.49	70.76	727.12	12.7448	13.0671	0.1131	0.1404	0.4194	0.3180	0.0055
08:09:09	76.80	1.86	141.64	96.46	64.71	71.49	728.14	12.7448	13.0671	0.0000	0.1409	0.4210	0.3180	0.0055

08:09:10	76.80	1.86	141.64	96.46	63.49	71.25	726.10	12.5855	12.9058	0.1131	0.1415	0.4227	0.3198	0.0056
08:09:11	80.34	1.86	141.64	95.24	63.49	71.25	729.66	12.5855	12.9058	0.0000	0.1420	0.4243	0.3198	0.0056
08:09:12	80.34	1.86	141.15	95.24	62.27	70.76	726.61	12.5855	12.9058	0.1131	0.1426	0.4259	0.3216	0.0056
08:09:13	80.34	1.86	141.15	95.24	61.05	71.25	726.61	12.4262	12.7425	0.1131	0.1431	0.4276	0.3234	0.0056
08:09:14	80.34	1.86	141.64	95.24	59.83	71.01	727.63	12.4262	12.7425	0.0000	0.1437	0.4292	0.3234	0.0056
08:09:15	80.34	1.86	141.15	96.46	59.83	71.73	726.61	12.4262	12.7425	0.1131	0.1442	0.4308	0.3252	0.0057
08:09:16	80.34	1.86	141.15	96.46	59.83	70.76	727.63	12.4262	12.7425	0.1131	0.1448	0.4324	0.3271	0.0057
08:09:17	80.34	1.86	141.64	95.24	59.83	71.01	725.08	12.5855	12.9059	0.0000	0.1454	0.4341	0.3271	0.0057
08:09:18	80.34	1.86	141.64	95.24	59.83	70.76	725.08	12.5855	12.9059	0.1131	0.1459	0.4357	0.3289	0.0057
08:09:19	80.34	1.86	141.15	95.24	59.83	71.01	727.12	12.4262	12.7425	0.1131	0.1465	0.4373	0.3307	0.0057
08:09:20	80.34	1.86	141.15	95.24	58.61	71.01	725.08	12.4262	12.7425	0.1131	0.1471	0.4389	0.3325	0.0058
08:09:21	83.27	1.86	141.64	94.02	59.83	70.76	726.61	12.4262	12.7425	0.1131	0.1476	0.4406	0.3343	0.0058
08:09:22	83.27	1.86	141.64	94.02	58.61	71.01	726.61	12.4262	12.7425	0.0000	0.1482	0.4422	0.3343	0.0058
08:09:23	83.27	1.86	141.64	94.02	59.83	71.73	726.61	12.2669	12.5792	0.1131	0.1488	0.4438	0.3361	0.0058
08:09:24	83.27	1.86	141.64	94.02	58.61	71.25	731.19	12.2669	12.5792	0.0000	0.1493	0.4454	0.3361	0.0058
08:09:25	83.27	1.86	141.15	95.24	58.61	70.76	727.12	12.2669	12.5792	0.1131	0.1499	0.4470	0.3379	0.0059
08:09:26	83.27	1.86	141.64	96.46	59.83	70.76	728.14	12.2669	12.5792	0.1131	0.1505	0.4486	0.3397	0.0059
08:09:27	83.27	1.86	141.15	96.46	59.83	71.25	725.08	12.4262	12.7426	0.1131	0.1511	0.4502	0.3415	0.0059
08:09:28	83.27	1.86	141.15	98.90	64.71	70.76	727.63	12.5855	12.9059	0.1131	0.1516	0.4519	0.3433	0.0060
08:09:29	83.27	1.86	141.15	98.90	65.93	71.73	731.70	12.5855	12.9059	0.1131	0.1522	0.4535	0.3451	0.0060
08:09:30	83.27	1.86	143.59	98.90	65.93	70.76	729.15	12.9041	13.2327	0.0000	0.1528	0.4552	0.3451	0.0060
08:09:31	84.25	1.86	143.10	98.90	64.71	71.73	728.14	12.9041	13.2327	0.0000	0.1534	0.4569	0.3451	0.0060
08:09:32	84.25	1.86	143.59	97.68	63.49	71.73	727.12	12.9041	13.2327	0.1131	0.1540	0.4586	0.3469	0.0060
08:09:33	84.25	1.87	143.59	96.46	61.05	70.76	728.64	12.9041	13.2327	0.1131	0.1547	0.4603	0.3487	0.0061
08:09:34	84.25	1.86	143.59	95.24	59.83	70.76	730.17	12.7448	13.0693	0.1131	0.1553	0.4620	0.3506	0.0061
08:09:35	84.25	1.86	143.59	96.46	59.83	70.76	727.63	12.5855	12.9080	0.1131	0.1559	0.4636	0.3524	0.0061
08:09:36	84.25	1.86	143.10	97.68	62.27	71.49	726.61	12.4262	12.7426	0.1131	0.1564	0.4653	0.3542	0.0062
08:09:37	84.25	1.86	143.59	98.90	62.27	71.25	729.15	12.5855	12.9060	0.1131	0.1570	0.4670	0.3560	0.0062
08:09:38	84.25	1.86	143.10	100.12	62.27	70.76	726.61	12.7448	13.0693	0.0000	0.1576	0.4687	0.3560	0.0062
08:09:39	84.25	1.86	143.10	98.90	62.27	71.73	730.17	12.9041	13.2327	0.0000	0.1582	0.4704	0.3560	0.0062
08:09:40	84.25	1.86	143.59	100.12	62.27	71.73	727.12	13.0634	13.3961	0.1131	0.1589	0.4721	0.3578	0.0062
08:09:41	78.75	1.86	143.10	98.90	63.49	71.01	731.19	12.9041	13.2327	0.1131	0.1595	0.4739	0.3596	0.0063
08:09:42	78.75	1.86	143.10	97.68	63.49	71.01	727.63	13.0634	13.3961	0.0000	0.1601	0.4756	0.3596	0.0063
08:09:43	78.75	1.86	143.59	97.68	62.27	71.73	727.63	12.9041	13.2326	0.1131	0.1607	0.4772	0.3614	0.0063
08:09:44	78.75	1.86	143.10	96.46	61.05	70.76	726.61	12.7448	13.0692	0.1131	0.1612	0.4789	0.3632	0.0063
08:09:45	78.88	1.87	143.10	96.46	61.05	70.76	728.64	12.7448	13.0692	0.0000	0.1618	0.4806	0.3632	0.0063
08:09:46	78.88	1.87	143.10	96.46	61.05	71.73	726.10	12.5855	12.9058	0.1131	0.1623	0.4823	0.3650	0.0063
08:09:47	78.75	1.87	143.59	96.46	62.27	70.76	726.10	12.5855	12.9079	0.1131	0.1629	0.4839	0.3669	0.0064
08:09:48	78.75	1.86	143.10	97.68	64.71	70.76	724.58	12.5855	12.9079	0.0000	0.1635	0.4856	0.3669	0.0064
08:09:49	78.75	1.87	143.59	97.68	64.71	71.49	727.63	12.5855	12.9079	0.0000	0.1640	0.4872	0.3669	0.0064
08:09:50	78.75	1.87	143.59	97.68	64.71	71.49	726.10	12.5855	12.9079	0.0000	0.1646	0.4889	0.3669	0.0064
08:09:51	83.27	1.85	143.59	97.68	63.49	70.76	724.58	12.7448	13.0692	0.1131	0.1651	0.4906	0.3687	0.0064
08:09:52	83.27	1.87	143.59	96.46	63.49	71.49	724.58	12.7448	13.0719	0.1131	0.1657	0.4923	0.3705	0.0064
08:09:53	83.27	1.85	143.59	96.46	62.27	71.25	723.56	12.7448	13.0719	0.1131	0.1663	0.4940	0.3723	0.0065
08:09:54	83.27	1.87	143.10	96.46	59.83	70.76	724.58	12.7448	13.0686	0.0000	0.1669	0.4957	0.3723	0.0065
08:09:55	83.27	1.85	143.59	96.46	58.61	70.76	727.63	12.5855	12.9073	0.0000	0.1675	0.4973	0.3723	0.0065
08:09:56	83.15	1.87	143.59	95.24	57.39	71.01	725.08	12.5855	12.9053	0.1131	0.1680	0.4990	0.3741	0.0065
08:09:57	83.27	1.87	143.10	95.24	57.39	71.25	725.08	12.5855	12.9080	0.1131	0.1686	0.5006	0.3759	0.0065
08:09:58	83.27	1.87	143.10	95.24	56.17	70.76	725.08	12.5855	12.9053	0.0000	0.1692	0.5023	0.3759	0.0065
08:09:59	83.27	1.87	143.59	94.02	56.17	71.49	725.08	12.4262	12.7439	0.1131	0.1698	0.5039	0.3777	0.0066
08:10:00	83.27	1.87	143.10	94.02	56.17	70.76	722.54	12.4262	12.7439	0.0000	0.1704	0.5056	0.3777	0.0066
08:10:01	76.80	1.87	143.10	94.02	56.17	71.49	727.12	12.4262	12.7439	0.1131	0.1710	0.5072	0.3796	0.0066
08:10:02	76.80	1.87	143.59	94.02	56.17	71.25	724.58	12.2669	12.5805	0.0000	0.1715	0.5088	0.3796	0.0066
08:10:03	76.80	1.85	143.59	94.02	56.17	71.01	724.58	12.2669	12.5805	0.1131	0.1721	0.5104	0.3814	0.0066
08:10:04	76.80	1.85	143.10	94.02	56.17	71.49	726.10	12.2669	12.5804	0.1131	0.1726	0.5121	0.3832	0.0067
08:10:05	76.80	1.87	143.59	95.24	57.39	71.73	728.64	12.2669	12.5804	0.1131	0.1732	0.5137	0.3850	0.0067
08:10:06	76.80	1.86	143.10	95.24	58.61	70.76	727.63	12.2669	12.5784	0.1131	0.1737	0.5153	0.3868	0.0067
08:10:07	76.80	1.87	143.59	95.24	57.39	70.76	725.08	12.2669	12.5784	0.1131	0.1742	0.5169	0.3886	0.0068
08:10:08	76.80	1.86	143.59	95.24	58.61	70.76	725.08	12.4262	12.7451	0.0000	0.1748	0.5186	0.3886	0.0068
08:10:09	76.80	1.86	143.10	95.24	58.61	70.76	725.08	12.4262	12.7431	0.1131	0.1753	0.5202	0.3904	0.0068
08:10:10	76.80	1.86	141.64	95.24	58.61	71.01	727.63	12.4262	12.7451	0.1131	0.1758	0.5219	0.3922	0.0068
08:10:11	72.89	1.86	141.64	95.24	59.83	70.76	724.58	12.4262	12.7431	0.1131	0.1764	0.5235	0.3941	0.0068
08:10:12	72.89	1.86	141.64	95.24	61.05	71.01	724.58	12.4262	12.7431	0.1131	0.1769	0.5251	0.3959	0.0069
08:10:13	72.89	1.86	141.64	96.46	62.27	71.49	725.59	12.4262	12.7431	0.1131	0.1774	0.5268	0.3977	0.0069
08:10:14	72.89	1.86	141.15	96.46	61.05	71.25	725.59	12.4262	12.7430	0.0000	0.1779	0.5284	0.3977	0.0069
08:10:15	72.89	1.86	141.64	96.46	58.61	71.01	722.54	12.4262	12.7430	0.1131	0.1785	0.5300	0.3995	0.0069
08:10:16	72.89	1.86	141.15	95.24	56.17	70.28	726.10	12.5855	12.9064	0.1131	0.1790	0.5317	0.4013	0.0070

08:10:17	72.89	1.86	141.64	94.02	54.95	70.76	723.05	12.5855	12.9064	0.1131	0.1795	0.5333	0.4031	0.0070
08:10:18	72.89	1.86	141.15	94.02	54.95	70.28	724.58	12.5855	12.9064	0.1131	0.1800	0.5349	0.4049	0.0070
08:10:19	72.89	1.86	141.64	94.02	56.17	70.52	724.58	12.4262	12.7430	0.1131	0.1805	0.5365	0.4067	0.0071
08:10:20	72.89	1.86	141.15	94.02	56.17	71.01	726.61	12.2669	12.5796	0.0000	0.1810	0.5381	0.4067	0.0071
08:10:21	75.82	1.86	141.15	94.02	56.17	71.49	726.61	12.2669	12.5796	0.1131	0.1815	0.5397	0.4086	0.0071
08:10:22	75.82	1.86	141.64	95.24	57.39	70.76	724.58	12.2669	12.5796	0.1131	0.1820	0.5413	0.4104	0.0071
08:10:23	75.82	1.86	141.64	96.46	56.17	71.01	725.59	12.2669	12.5796	0.0000	0.1825	0.5429	0.4104	0.0071
08:10:24	75.82	1.86	141.15	96.46	57.39	70.52	725.59	12.2669	12.5797	0.1131	0.1830	0.5446	0.4122	0.0072
08:10:25	75.82	1.85	141.64	97.68	58.61	70.76	723.56	12.4262	12.7431	0.0000	0.1836	0.5462	0.4122	0.0072
08:10:26	75.82	1.86	141.64	96.46	58.61	71.01	722.54	12.5855	12.9064	0.1131	0.1841	0.5478	0.4140	0.0072
08:10:27	75.82	1.86	141.64	96.46	59.83	71.25	723.56	12.5855	12.9064	0.0000	0.1846	0.5495	0.4140	0.0072
08:10:28	75.82	1.86	141.64	96.46	59.83	70.76	726.61	12.7448	13.0678	0.1131	0.1852	0.5511	0.4158	0.0072
08:10:29	75.82	1.86	141.64	95.24	59.83	71.25	723.56	12.5855	12.9064	0.0000	0.1857	0.5528	0.4158	0.0072
08:10:30	75.82	1.86	139.68	95.24	59.83	70.52	723.56	12.5855	12.9064	0.1131	0.1863	0.5544	0.4176	0.0073
08:10:31	77.29	1.86	139.68	95.24	58.61	71.01	725.08	12.5855	12.9064	0.1131	0.1868	0.5561	0.4194	0.0073
08:10:32	77.29	1.86	139.68	95.24	58.61	71.25	728.14	12.4262	12.7431	0.0000	0.1873	0.5577	0.4194	0.0073
08:10:33	77.29	1.86	139.68	96.46	59.83	71.01	724.58	12.4262	12.7431	0.0000	0.1878	0.5593	0.4194	0.0073
08:10:34	77.29	1.86	139.68	96.46	61.05	71.01	725.59	12.4262	12.7431	0.0000	0.1884	0.5609	0.4194	0.0073
08:10:35	77.29	1.85	139.68	96.46	61.05	71.49	724.07	12.4262	12.7431	0.1131	0.1889	0.5625	0.4212	0.0073
08:10:36	77.29	1.85	139.68	96.46	59.83	71.01	727.63	12.5855	12.9065	0.1131	0.1895	0.5641	0.4230	0.0074
08:10:37	77.29	1.85	139.19	96.46	58.61	71.01	725.59	12.5855	12.9065	0.1131	0.1900	0.5657	0.4248	0.0074
08:10:38	77.29	1.85	139.68	95.24	57.39	71.25	725.59	12.5855	12.9044	0.1131	0.1906	0.5673	0.4266	0.0074
08:10:39	77.29	1.85	139.68	95.24	57.39	70.76	725.59	12.5855	12.9044	0.0000	0.1911	0.5690	0.4266	0.0074
08:10:40	77.29	1.86	139.68	96.46	58.61	71.49	726.61	12.5855	12.9044	0.1131	0.1917	0.5706	0.4284	0.0074
08:10:41	76.80	1.86	139.68	96.46	58.61	71.25	725.08	12.4262	12.7411	0.0000	0.1922	0.5722	0.4284	0.0074
08:10:42	76.80	1.86	139.68	96.46	58.61	70.76	724.07	12.4262	12.7411	0.1131	0.1927	0.5738	0.4302	0.0075
08:10:43	76.80	1.85	139.68	97.68	59.83	70.76	724.07	12.5855	12.9065	0.0000	0.1933	0.5754	0.4302	0.0075
08:10:44	76.80	1.86	139.19	96.46	58.61	71.01	724.07	12.5855	12.9065	0.1131	0.1938	0.5770	0.4321	0.0075
08:10:45	76.80	1.86	139.68	96.46	59.83	70.76	726.61	12.5855	12.9065	0.1131	0.1944	0.5787	0.4339	0.0075
08:10:46	76.80	1.86	139.68	96.46	59.83	71.25	724.58	12.7448	13.0678	0.1131	0.1949	0.5803	0.4357	0.0076
08:10:47	76.80	1.85	139.68	96.46	61.05	70.76	725.59	12.5855	12.9065	0.0000	0.1955	0.5819	0.4357	0.0076
08:10:48	76.80	1.85	139.68	97.68	62.27	70.52	725.59	12.5855	12.9065	0.0000	0.1960	0.5835	0.4357	0.0076
08:10:49	76.80	1.85	139.68	97.68	63.49	71.25	725.59	12.5855	12.9065	0.1131	0.1965	0.5851	0.4375	0.0076
08:10:50	76.80	1.85	139.68	97.68	63.49	71.25	723.56	12.5855	12.9044	0.1131	0.1971	0.5868	0.4393	0.0076
08:10:51	78.75	1.85	139.68	97.68	64.71	70.52	724.58	12.7448	13.0678	0.1131	0.1976	0.5884	0.4411	0.0077
08:10:52	78.75	1.85	139.68	97.68	67.16	71.25	725.59	12.7448	13.0678	0.0000	0.1982	0.5901	0.4411	0.0077
08:10:53	78.88	1.85	139.68	97.68	67.16	70.52	724.07	12.7448	13.0678	0.1131	0.1987	0.5917	0.4429	0.0077
08:10:54	78.88	1.85	139.68	96.46	65.93	70.52	725.59	12.7448	13.0678	0.1131	0.1993	0.5934	0.4447	0.0077
08:10:55	78.75	1.85	139.68	96.46	64.71	71.25	727.12	12.7448	13.0678	0.1131	0.1999	0.5950	0.4465	0.0078
08:10:56	78.75	1.85	139.68	96.46	64.71	71.49	724.58	12.7448	13.0678	0.0000	0.2004	0.5966	0.4465	0.0078
08:10:57	78.75	1.86	139.68	96.46	63.49	71.49	724.58	12.5855	12.9045	0.1131	0.2010	0.5982	0.4483	0.0078
08:10:58	78.75	1.86	139.68	96.46	63.49	70.52	725.59	12.5855	12.9045	0.0000	0.2015	0.5999	0.4483	0.0078
08:10:59	78.75	1.86	139.68	97.68	62.27	71.49	726.61	12.5855	12.9045	0.1131	0.2021	0.6015	0.4501	0.0078
08:11:00	78.75	1.85	139.68	96.46	61.05	71.25	727.63	12.5855	12.9065	0.1131	0.2027	0.6031	0.4519	0.0079
08:11:01	80.34	1.85	139.68	97.68	61.05	70.76	724.07	12.5855	12.9065	0.0000	0.2032	0.6047	0.4519	0.0079
08:11:02	80.34	1.85	139.19	98.90	61.05	71.49	724.07	12.7448	13.0699	0.1131	0.2038	0.6064	0.4537	0.0079
08:11:03	80.34	1.85	139.68	98.90	61.05	71.25	724.07	12.5855	12.9045	0.1131	0.2043	0.6080	0.4555	0.0079
08:11:04	80.34	1.85	139.68	98.90	61.05	70.52	725.08	12.7448	13.0679	0.0000	0.2049	0.6097	0.4555	0.0079
08:11:05	80.34	1.85	139.68	97.68	59.83	71.25	725.08	12.9041	13.2312	0.1131	0.2055	0.6113	0.4573	0.0079
08:11:06	80.34	1.85	139.68	97.68	59.83	71.25	726.10	12.9041	13.2312	0.1131	0.2061	0.6130	0.4591	0.0080
08:11:07	80.34	1.85	139.68	96.46	59.83	70.52	723.56	12.9041	13.2312	0.1131	0.2067	0.6146	0.4609	0.0080
08:11:08	80.34	1.86	139.68	96.46	61.05	71.49	724.58	12.7448	13.0679	0.0000	0.2072	0.6163	0.4609	0.0080
08:11:09	80.34	1.85	139.68	97.68	61.05	71.25	725.59	12.7448	13.0679	0.1131	0.2078	0.6179	0.4627	0.0080
08:11:10	80.34	1.85	139.68	97.68	62.27	71.25	725.59	12.5855	12.9045	0.0000	0.2084	0.6195	0.4627	0.0080
08:11:11	76.80	1.86	139.68	97.68	61.05	71.01	725.59	12.5855	12.9065	0.0000	0.2089	0.6212	0.4627	0.0080
08:11:12	76.80	1.85	139.68	97.68	61.05	71.49	725.59	12.7448	13.0679	0.1131	0.2095	0.6228	0.4645	0.0081
08:11:13	76.80	1.85	139.68	97.68	63.49	71.25	724.58	12.7448	13.0679	0.1131	0.2101	0.6244	0.4663	0.0081
08:11:14	76.80	1.85	139.19	100.12	67.16	70.76	725.59	12.7448	13.0698	0.1131	0.2106	0.6261	0.4681	0.0081
08:11:15	76.80	1.85	139.68	101.34	65.93	71.25	726.61	12.7448	13.0678	0.1131	0.2112	0.6277	0.4699	0.0082
08:11:16	76.80	1.85	139.68	100.12	64.71	71.49	724.07	12.7448	13.0678	0.0000	0.2117	0.6294	0.4699	0.0082
08:11:17	76.80	1.85	139.68	98.90	64.71	71.49	724.07	13.0634	13.3945	0.1131	0.2123	0.6311	0.4717	0.0082
08:11:18	76.80	1.85	139.68	96.46	63.49	71.01	726.61	13.2227	13.5578	0.1131	0.2129	0.6328	0.4735	0.0082
08:11:19	76.80	1.85	139.68	96.46	62.27	71.25	724.58	13.0634	13.3945	0.1131	0.2134	0.6344	0.4753	0.0083
08:11:20	76.80	1.85	141.64	95.24	59.83	71.49	723.05	12.9041	13.2311	0.0000	0.2140	0.6361	0.4753	0.0083
08:11:21	71.79	1.85	141.64	95.24	58.61	70.76	723.05	12.5855	12.9044	0.1131	0.2145	0.6377	0.4771	0.0083
08:11:22	71.79	1.86	141.15	95.24	59.83	71.49	724.07	12.5855	12.9044	0.1131	0.2151	0.6393	0.4789	0.0083
08:11:23	71.79	1.86	141.64	95.24	58.61	71.25	724.07	12.4262	12.7411	0.0000	0.2156	0.6409	0.4789	0.0083

08:11:24	71.79	1.85	141.64	95.24	58.61	70.76	724.07	12.4262	12.7410	0.0000	0.2161	0.6425	0.4789	0.0083
08:11:25	71.79	1.85	141.15	95.24	58.61	71.25	724.07	12.4262	12.7430	0.1131	0.2166	0.6442	0.4807	0.0084
08:11:26	71.79	1.85	141.64	95.24	59.83	71.49	724.07	12.4262	12.7430	0.1131	0.2171	0.6458	0.4825	0.0084
08:11:27	71.79	1.85	141.15	95.24	61.05	70.76	725.08	12.4262	12.7410	0.0000	0.2176	0.6474	0.4825	0.0084
08:11:28	71.79	1.85	141.15	95.24	61.05	70.76	726.10	12.4262	12.7410	0.1131	0.2181	0.6490	0.4843	0.0084
08:11:29	71.79	1.85	141.15	97.68	61.05	70.76	726.10	12.4262	12.7410	0.0000	0.2186	0.6507	0.4843	0.0084
08:11:30	71.79	1.85	141.64	97.68	62.27	71.01	724.07	12.4262	12.7410	0.1131	0.2191	0.6523	0.4861	0.0084
08:11:31	72.89	1.85	141.64	98.90	62.27	70.76	722.54	12.4262	12.7410	0.1131	0.2196	0.6539	0.4879	0.0085
08:11:32	72.89	1.85	141.15	98.90	62.27	70.76	722.54	12.7448	13.0677	0.1131	0.2201	0.6556	0.4897	0.0085
08:11:33	72.77	1.85	141.64	97.68	61.05	71.49	726.10	12.7448	13.0677	0.1131	0.2206	0.6573	0.4915	0.0085
08:11:34	72.89	1.85	141.15	96.46	59.83	70.76	725.08	12.9041	13.2310	0.1131	0.2212	0.6590	0.4934	0.0086
08:11:35	72.89	1.85	141.64	95.24	58.61	71.49	722.54	12.9041	13.2310	0.1131	0.2217	0.6606	0.4952	0.0086
08:11:36	72.89	1.85	141.15	95.24	58.61	71.01	722.54	12.7448	13.0677	0.1131	0.2222	0.6623	0.4970	0.0086
08:11:37	72.89	1.85	141.15	94.02	59.83	71.49	723.56	12.5855	12.9043	0.0000	0.2227	0.6639	0.4970	0.0086
08:11:38	72.89	1.85	141.64	94.02	59.83	71.49	724.58	12.4262	12.7410	0.0000	0.2232	0.6655	0.4970	0.0086
08:11:39	72.89	1.85	141.64	94.02	61.05	71.01	724.58	12.4262	12.7410	0.0000	0.2238	0.6671	0.4970	0.0086
08:11:40	72.77	1.85	141.64	94.02	61.05	70.52	724.58	12.2669	12.5777	0.0000	0.2243	0.6687	0.4970	0.0086
								12.2669	12.5777	0.0000	0.2248	0.6703	0.4970	0.0086
								12.2669	12.5777	0.1131	0.2253	0.6719	0.4988	0.0087
								12.2669	12.5776	0.1131	0.2258	0.6719	0.5006	0.0087

09-MAY-93 08:18 LACMTA Emissions Testing Facility

Test : RTD MODIFIED COMMUTER PHASE OF ADB CYCLE
Test number : 1052
Test options: Raw Modal Diesel Auxiliary data Second by Second Data Smoke meter

TEST TIME (s)	------RAW CONCENTRATIONS------- HC (PPM)	CO (PPM)	NOx (PPM)	CO2 (%)	O2 (%)	--------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 TP	32.0	436.1	*****	7.98	9.75	0.007	0.199	1.11	57.29	13.85	4.75	25.38	0.0	0.012	49.0	2.16	6.20	224.2	0.0	0.0	0.0
1 TP	32.1	436.2	*****	7.99	9.74	0.007	0.196	1.10	56.28	13.60	4.89	25.37	0.0	0.014	49.0	2.45	6.20	224.5	0.0	0.0	0.0
2 TP	32.2	437.0	*****	7.99	9.73	0.007	0.193	1.09	55.55	13.41	4.99	25.34	2.9	0.014	49.0	2.48	6.03	224.8	0.0	0.0	0.0
3 TP	32.2	440.8	*****	8.00	9.72	0.007	0.193	1.08	55.01	13.27	5.07	25.31	1.0	0.014	49.0	2.50	6.03	225.1	0.0	0.0	0.0
4 TP	32.2	447.1	*****	8.01	9.71	0.007	0.194	1.07	54.59	13.16	5.14	25.28	1.0	0.014	49.0	2.52	6.11	225.3	0.0	0.0	0.0
5 TP	32.2	448.8	*****	8.01	9.70	0.007	0.194	1.07	54.33	13.08	5.19	25.26	1.0	0.014	49.0	2.54	6.31	225.5	0.0	0.0	0.0
6 TP	32.3	455.5	*****	8.02	9.69	0.007	0.196	1.06	54.16	13.03	5.22	25.22	1.0	0.014	49.0	2.54	6.24	225.7	0.0	0.0	0.0
7 TP	32.3	459.5	*****	8.03	9.68	0.007	0.197	1.06	54.09	12.99	5.24	25.18	1.0	0.014	48.9	2.54	6.10	225.8	0.0	0.0	0.0
8 TP	32.4	455.8	*****	8.04	9.67	0.007	0.195	1.06	54.00	12.96	5.26	25.16	1.0	0.014	48.9	2.55	6.13	225.9	0.0	0.0	0.0
9 TP	32.5	453.9	*****	8.05	9.65	0.007	0.193	1.07	53.95	12.93	5.28	25.13	1.0	0.014	48.9	2.55	6.03	226.0	0.0	0.0	0.0
10 TP	32.5	455.4	*****	8.06	9.64	0.007	0.194	1.06	53.91	12.91	5.30	25.10	1.0	0.014	49.0	2.55	6.05	226.0	0.0	0.0	0.0
11 TP	32.6	451.9	*****	8.07	9.64	0.007	0.192	1.07	53.86	12.89	5.31	25.08	1.0	0.014	49.0	2.56	6.16	225.8	0.0	0.0	0.0
12 TP	32.5	446.8	*****	8.07	9.64	0.007	0.190	1.07	53.83	12.88	5.32	25.08	1.0	0.014	49.0	2.56	6.15	225.5	0.0	0.0	0.0
13 TP	32.6	440.5	*****	8.07	9.64	0.007	0.187	1.07	53.84	12.87	5.32	25.08	1.0	0.014	49.0	2.56	6.12	225.1	0.0	0.0	0.0
14 TP	32.6	431.8	*****	8.07	9.65	0.007	0.183	1.07	53.83	12.88	5.32	25.09	1.0	0.014	49.0	2.56	6.02	224.6	0.0	0.0	0.0
15 TP	32.5	427.0	*****	8.07	9.66	0.007	0.181	1.07	53.80	12.87	5.32	25.12	1.0	0.014	49.0	2.56	6.11	224.1	0.0	0.0	0.0
16 TP	32.4	422.7	*****	8.05	9.68	0.007	0.179	1.06	53.74	12.88	5.32	25.17	1.0	0.014	49.0	2.56	6.35	223.9	0.0	0.0	0.0
18 TP	32.3	418.4	*****	8.04	9.70	0.007	0.178	1.06	53.70	12.89	5.31	25.22	1.1	0.015	49.0	2.82	6.29	223.9	0.0	0.0	0.0
18 TP	32.2	419.5	*****	8.02	9.73	0.007	0.178	1.06	53.66	12.91	5.30	25.28	0.9	0.012	49.0	2.31	6.40	224.1	0.0	0.0	0.0
20 TP	32.1	424.9	*****	8.01	9.75	0.007	0.181	1.06	53.66	12.93	5.29	25.33	1.1	0.015	49.0	2.83	6.39	224.4	0.0	0.0	0.0
21 TP	32.0	428.1	*****	8.00	9.76	0.007	0.183	1.05	53.63	12.94	5.27	25.38	1.0	0.014	49.0	2.57	6.23	224.8	0.0	0.0	0.0
21 TP	31.9	430.5	*****	7.99	9.77	0.007	0.184	1.05	53.63	12.96	5.27	25.40	0.9	0.012	49.0	2.31	6.27	225.3	0.0	0.0	0.0
23 TP	31.7	435.2	*****	7.98	9.77	0.007	0.186	1.04	53.61	12.96	5.27	25.41	1.1	0.015	49.0	2.83	6.30	225.7	0.0	0.0	0.0
23 TP	31.6	442.4	*****	7.98	9.77	0.007	0.189	1.05	53.58	12.95	5.27	25.40	0.9	0.012	49.0	2.31	6.47	226.0	0.0	0.0	0.0
24 TP	31.5	445.2	*****	7.99	9.76	0.007	0.190	1.06	53.59	12.95	5.27	25.39	1.0	0.014	49.0	2.57	6.60	226.3	0.0	0.0	0.0
26 TP	31.4	445.2	*****	7.99	9.75	0.007	0.190	1.06	53.62	12.95	5.27	25.37	1.1	0.015	49.0	2.83	6.44	226.6	0.0	0.0	0.0
26 TP	31.3	451.9	*****	8.00	9.74	0.007	0.193	1.06	53.61	12.93	5.28	25.34	0.9	0.012	49.0	2.31	6.25	226.8	0.0	0.0	0.0
27 TP	31.2	457.9	*****	8.01	9.73	0.007	0.195	1.06	53.62	12.92	5.29	25.30	1.0	0.014	49.0	2.57	6.35	227.0	0.0	0.0	0.0
29 TP	31.2	455.6	*****	8.01	9.72	0.007	0.194	1.06	53.64	12.92	5.29	25.27	1.1	0.015	49.0	2.82	6.52	227.2	0.0	0.0	0.0
29 TP	31.1	450.0	*****	8.02	9.70	0.007	0.191	1.06	53.67	12.91	5.30	25.24	0.9	0.012	49.0	2.31	6.28	227.3	0.0	0.0	0.0
30 TP	31.1	354.7	*****	8.03	9.69	0.007	0.151	1.07	53.71	12.90	5.30	25.24	1.0	0.014	49.0	2.57	6.09	227.4	0.0	0.0	0.0
32 TP	31.1	445.7	*****	8.04	9.68	0.007	0.189	1.07	53.75	12.90	5.30	25.18	1.1	0.015	49.0	2.82	6.31	227.4	0.0	0.0	0.0
32 TP	31.1	445.8	*****	8.05	9.67	0.007	0.189	1.08	53.78	12.89	5.31	25.14	0.9	0.012	49.0	2.31	6.31	227.3	0.0	0.0	0.0
33 TP	31.1	446.4	*****	8.06	9.66	0.007	0.190	1.07	53.82	12.89	5.31	25.12	1.0	0.014	49.0	2.56	6.37	227.0	0.0	0.0	0.0
34 TP	31.1	441.6	*****	8.07	9.66	0.007	0.188	1.07	53.87	12.89	5.31	25.11	1.0	0.014	49.0	2.56	6.52	226.6	0.0	0.0	0.0
36 TP	31.1	436.2	*****	8.07	9.66	0.007	0.185	1.07	53.87	12.89	5.31	25.12	1.1	0.015	49.0	2.82	6.45	226.1	0.0	0.0	0.0
36 TP	31.1	431.6	*****	8.06	9.67	0.007	0.183	1.08	53.82	12.89	5.31	25.14	0.9	0.012	49.1	2.31	6.48	225.5	0.0	0.0	0.0
38 TP	31.0	429.3	*****	8.05	9.69	0.007	0.182	1.07	53.79	12.89	5.31	25.18	1.1	0.015	49.1	2.82	6.64	225.1	0.0	0.0	0.0
39 TP	30.9	425.8	*****	8.04	9.71	0.007	0.181	1.06	53.76	12.90	5.30	25.23	1.0	0.014	49.1	2.57	6.71	225.0	0.0	0.0	0.0
40 TP	30.9	422.6	*****	8.03	9.73	0.007	0.180	1.06	53.73	12.92	5.29	25.27	1.0	0.014	49.1	2.57	6.54	225.2	0.0	0.0	0.0
40 TP	30.8	423.4	*****	8.01	9.74	0.007	0.180	1.06	53.70	12.93	5.28	25.33	0.9	0.012	49.1	2.31	6.41	225.6	0.0	0.0	0.0
42 TP	30.7	417.2	*****	8.00	9.76	0.006	0.178	1.05	53.65	12.94	5.28	25.38	1.1	0.015	49.1	2.83	6.41	226.1	0.0	0.0	0.0
43 TP	30.6	418.6	*****	7.99	9.77	0.006	0.179	1.05	53.60	12.95	5.27	25.40	1.0	0.014	49.1	2.58	6.41	226.5	0.0	0.0	0.0
43 TP	30.5	420.8	*****	7.98	9.77	0.006	0.180	1.05	53.55	12.95	5.27	25.41	0.9	0.012	49.1	2.32	6.46	226.9	0.0	0.0	0.0
44 TP	30.4	422.7	*****	7.98	9.76	0.006	0.180	1.05	53.53	12.94	5.28	25.40	1.0	0.014	49.2	2.58	6.69	227.3	0.0	0.0	0.0
45 TP	30.3	421.6	*****	7.99	9.76	0.006	0.180	1.06	53.55	12.94	5.28	25.39	1.0	0.014	49.1	2.58	6.75	227.5	0.0	0.0	0.0

46 TP	30.2	430.5	*****	7.99	9.75	0.006	0.184	1.07	53.62	12.95	5.27	25.36	1.0	0.014	49.1	2.58	6.67	227.7	0.0	0.0	0.0
48 TP	30.0	437.6	*****	8.00	9.74	0.006	0.187	1.07	53.68	12.95	5.27	25.33	1.1	0.015	49.2	2.83	7.02	228.0	0.0	0.0	0.0
49 TP	29.9	439.6	*****	8.01	9.73	0.006	0.188	1.08	53.75	12.95	5.27	25.30	1.0	0.014	49.2	2.57	6.99	228.3	0.0	0.0	0.0
49 TP	29.7	445.0	*****	8.02	9.71	0.006	0.190	1.08	53.78	12.95	5.27	25.27	0.9	0.012	49.1	2.31	6.73	228.4	0.0	0.0	0.0
51 TP	29.6	354.0	*****	8.03	9.70	0.006	0.151	1.08	53.84	12.94	5.27	25.26	1.1	0.015	49.2	2.83	6.66	228.6	0.0	0.0	0.0
52 TP	29.5	443.0	*****	8.04	9.68	0.006	0.189	1.07	53.86	12.93	5.28	25.20	1.0	0.014	49.2	2.57	6.82	228.6	0.0	0.0	0.0
52 TP	29.5	445.6	*****	8.05	9.67	0.006	0.190	1.08	53.86	12.92	5.29	25.16	0.9	0.012	49.2	2.31	6.59	228.5	0.0	0.0	0.0
54 TP	29.4	441.1	*****	8.06	9.67	0.006	0.188	1.08	53.86	12.90	5.30	25.13	1.1	0.015	49.2	2.82	6.51	228.4	0.0	0.0	0.0
55 TP	29.4	435.6	*****	8.06	9.66	0.006	0.185	1.09	53.80	12.89	5.31	25.13	1.0	0.014	49.2	2.57	6.60	228.0	0.0	0.0	0.0
56 TP	29.2	429.7	*****	8.06	9.67	0.006	0.182	1.09	53.77	12.88	5.32	25.14	1.0	0.014	49.2	2.58	6.53	227.4	0.0	0.0	0.0
56 TP	29.2	423.0	*****	8.06	9.68	0.006	0.179	1.08	53.74	12.87	5.32	25.16	0.9	0.012	49.2	2.32	6.53	226.7	0.0	0.0	0.0
58 TP	29.2	409.9	*****	8.05	9.69	0.006	0.174	1.07	53.76	12.89	5.31	25.19	1.1	0.015	49.2	2.83	6.67	226.1	0.0	0.0	0.0
58 TP	29.3	407.9	*****	8.04	9.71	0.006	0.173	1.07	53.74	12.90	5.30	25.24	0.9	0.012	49.2	2.32	6.56	225.8	0.0	0.0	0.0
60 TP	29.3	414.3	*****	8.03	9.73	0.006	0.176	1.07	53.69	12.91	5.30	25.29	1.1	0.015	49.2	2.84	6.68	225.7	0.0	0.0	0.0
61 TP	29.3	419.0	*****	8.01	9.76	0.006	0.178	1.07	53.64	12.92	5.29	25.35	1.0	0.014	49.2	2.58	6.55	225.9	0.0	0.0	0.0
61 TP	29.2	415.6	*****	8.00	9.78	0.006	0.177	1.06	53.59	12.94	5.28	25.41	0.9	0.012	49.2	2.33	6.70	226.4	0.0	0.0	0.0
63 TP	29.2	414.8	*****	7.98	9.79	0.006	0.177	1.05	53.54	12.95	5.27	25.46	1.1	0.015	49.2	2.85	6.69	226.9	0.0	0.0	0.0
64 TP	29.2	416.6	*****	7.97	9.80	0.006	0.178	1.05	53.53	12.97	5.26	25.49	0.5	0.014	49.3	2.59	6.57	227.4	0.0	0.0	0.0
64 TP	29.1	420.1	*****	7.96	9.80	0.006	0.180	1.05	53.55	12.98	5.26	25.49	0.0	0.012	49.2	2.33	6.72	227.9	0.0	0.0	0.0
65 TP	29.1	424.8	*****	7.96	9.80	0.006	0.182	1.05	53.52	12.97	5.26	25.49	0.0	0.014	49.2	2.59	6.72	228.3	0.0	0.0	0.0
66 TP	29.0	436.6	*****	7.97	9.79	0.006	0.187	1.06	53.52	12.97	5.26	25.47	0.0	0.014	49.3	2.59	6.70	228.6	0.0	0.0	0.0
68 TP	29.0	445.8	*****	7.97	9.78	0.006	0.190	1.06	53.55	12.96	5.26	25.44	0.0	0.015	49.2	2.84	6.65	228.9	0.0	0.0	0.0
68 TP	29.0	448.7	*****	7.98	9.77	0.006	0.192	1.05	53.60	12.96	5.26	25.40	0.0	0.012	49.2	2.33	6.81	229.1	0.0	0.0	0.0
69 TP	28.9	448.2	*****	7.99	9.75	0.006	0.191	1.06	53.62	12.95	5.27	25.37	0.0	0.014	49.2	2.58	6.81	229.3	0.0	0.0	0.0
70 TP	28.9	445.2	*****	8.00	9.74	0.006	0.190	1.06	53.62	12.93	5.29	25.32	0.0	0.014	49.2	2.58	6.60	229.3	0.0	0.0	0.0
71 TP	28.9	443.5	*****	8.02	9.73	0.006	0.189	1.06	53.62	12.91	5.30	25.29	0.0	0.014	49.2	2.58	6.87	229.3	0.0	0.0	0.0
73 TP	28.9	439.8	*****	8.02	9.71	0.006	0.187	1.06	53.64	12.90	5.30	25.26	0.0	0.015	49.2	2.84	6.91	229.1	0.0	0.0	0.0
73 TP	28.9	345.3	*****	8.03	9.70	0.006	0.147	1.06	53.75	12.91	5.29	25.27	0.0	0.012	49.2	2.32	6.74	228.9	0.0	0.0	0.0
74 TP	28.9	430.4	*****	8.04	9.70	0.006	0.183	1.06	53.83	12.92	5.29	25.22	0.0	0.014	49.2	2.57	6.85	228.3	0.0	0.0	0.0
76 TP	28.9	425.4	*****	8.05	9.70	0.006	0.181	1.07	53.85	12.92	5.29	25.21	0.0	0.015	49.2	2.83	6.86	227.6	0.0	0.0	0.0
77 TP	28.9	426.0	*****	8.04	9.70	0.006	0.181	1.07	53.84	12.92	5.29	25.22	0.0	0.014	49.2	2.57	6.72	226.6	0.0	0.0	0.0
77 TP	28.8	425.4	*****	8.04	9.71	0.006	0.181	1.07	53.83	12.92	5.29	25.24	0.0	0.012	49.2	2.31	6.88	225.8	0.0	0.0	0.0
79 TP	28.7	426.0	*****	8.03	9.73	0.006	0.181	1.07	53.80	12.92	5.29	25.26	0.0	0.015	49.2	2.83	6.93	225.4	0.0	0.0	0.0
79 TP	28.6	426.7	*****	8.02	9.74	0.006	0.182	1.06	53.73	12.93	5.28	25.32	0.0	0.012	49.2	2.32	6.93	225.5	0.0	0.0	0.0
80 TP	28.5	425.1	*****	8.00	9.77	0.006	0.181	1.06	53.64	12.93	5.28	25.37	0.0	0.014	49.2	2.58	7.12	225.9	0.0	0.0	0.0
81 TP	28.4	429.5	*****	7.99	9.79	0.006	0.183	1.05	53.55	12.93	5.28	25.42	0.0	0.014	49.2	2.59	7.18	226.3	0.0	0.0	0.0
83 TP	28.4	433.8	*****	7.98	9.80	0.006	0.185	1.05	53.49	12.94	5.28	25.45	0.0	0.015	49.2	2.85	7.44	227.0	0.0	0.0	0.0
83 TP	28.3	435.1	*****	7.97	9.80	0.006	0.186	1.05	53.46	12.94	5.27	25.48	0.0	0.012	49.2	2.33	7.56	227.6	0.0	0.0	0.0
84 TP	28.3	441.2	*****	7.96	9.81	0.006	0.188	1.05	53.47	12.96	5.27	25.49	0.0	0.014	49.2	2.59	7.39	228.1	0.0	0.0	0.0
85 TP	28.3	444.5	*****	7.96	9.80	0.006	0.190	1.05	53.51	12.97	5.26	25.49	0.0	0.014	49.2	2.59	7.23	228.4	0.0	0.0	0.0
86 TP	28.4	446.7	*****	7.97	9.80	0.006	0.191	1.05	53.56	12.97	5.25	25.47	0.0	0.014	49.2	2.58	7.48	228.6	0.0	0.0	0.0
87 TP	28.3	446.0	*****	7.98	9.79	0.006	0.191	1.06	53.59	12.97	5.26	25.44	0.0	0.014	49.2	2.58	7.57	228.9	0.0	0.0	0.0
88 TP	28.3	447.3	*****	7.98	9.78	0.006	0.191	1.06	53.62	12.96	5.26	25.41	0.0	0.014	49.2	2.58	7.61	229.0	0.0	0.0	0.0
90 TP	28.4	446.1	*****	8.00	9.76	0.006	0.190	1.06	53.67	12.95	5.27	25.37	0.0	0.015	49.2	2.84	7.61	228.9	0.0	0.0	0.0
90 TP	28.4	444.7	*****	8.00	9.74	0.006	0.190	1.07	53.70	12.94	5.27	25.33	0.0	0.012	49.2	2.32	7.66	228.6	0.0	0.0	0.0
92 TP	28.3	443.8	*****	8.02	9.73	0.006	0.189	1.07	53.71	12.93	5.28	25.29	0.0	0.015	49.2	2.83	7.76	228.4	0.0	0.0	0.0
92 TP	28.3	443.5	*****	8.02	9.72	0.006	0.189	1.07	53.74	12.93	5.28	25.27	0.0	0.012	49.2	2.32	7.62	227.9	0.0	0.0	0.0
94 TP	28.3	447.3	*****	8.03	9.71	0.006	0.191	1.07	53.81	12.93	5.28	25.24	0.0	0.015	49.2	2.83	7.34	227.1	0.0	0.0	0.0
94 TP	28.3	444.7	*****	8.04	9.71	0.006	0.189	1.07	53.83	12.92	5.29	25.22	0.0	0.012	49.3	2.32	7.12	226.1	0.0	0.0	0.0
95 TP	28.3	440.4	*****	8.05	9.71	0.006	0.187	1.07	53.84	12.91	5.29	25.21	0.0	0.014	49.3	2.57	7.28	225.0	0.0	0.0	0.0
96 TP	28.3	434.5	*****	8.05	9.71	0.006	0.185	1.06	53.81	12.90	5.30	25.21	0.0	0.014	49.2	2.57	7.34	224.3	0.0	0.0	0.0
97 TP	28.3	429.0	*****	8.04	9.72	0.006	0.183	1.06	53.79	12.91	5.29	25.24	0.0	0.014	49.3	2.58	7.45	224.0	0.0	0.0	0.0
98 TP	28.3	426.2	*****	8.04	9.73	0.006	0.181	1.06	53.78	12.92	5.29	25.27	0.0	0.014	49.3	2.58	7.43	224.3	0.0	0.0	0.0
99 TP	28.2	428.5	*****	8.03	9.74	0.006	0.183	1.06	53.76	12.93	5.28	25.31	0.0	0.014	49.3	2.58	7.57	225.0	0.0	0.0	0.0
101 TP	28.3	431.1	*****	8.01	9.76	0.006	0.184	1.05	53.77	12.95	5.27	25.34	0.0	0.015	49.3	2.83	7.44	225.8	0.0	0.0	0.0
102 TP	28.3	431.0	*****	8.00	9.77	0.006	0.184	1.05	53.80	12.97	5.25	25.38	0.0	0.014	49.3	2.58	7.56	226.6	0.0	0.0	0.0
102 TP	28.3	431.9	*****	7.99	9.78	0.006	0.185	1.05	53.87	13.01	5.23	25.41	0.0	0.012	49.3	2.31	7.52	227.2	0.0	0.0	0.0
103 TP	28.3	433.8	*****	7.99	9.79	0.006	0.186	1.04	53.90	13.02	5.22	25.42	0.0	0.014	49.3	2.57	7.52	227.8	0.0	0.0	0.0
105 TP	28.4	434.7	*****	7.98	9.79	0.006	0.187	1.05	53.86	13.02	5.22	25.44	0.0	0.015	49.3	2.83	7.62	228.2	0.0	0.0	0.0

105 TP	28.3	439.1	*****	7.99	9.78	0.006	0.188	1.05	53.83	13.01	5.23	25.41	0.0	0.012	49.3	2.32	7.61	228.5	0.0	0.0	0.0
106 TP	28.4	441.6	*****	7.99	9.77	0.006	0.189	1.05	53.78	12.99	5.24	25.39	0.0	0.014	49.3	2.58	7.57	228.7	0.0	0.0	0.0
108 TP	28.3	435.8	*****	8.00	9.76	0.006	0.186	1.05	53.74	12.97	5.26	25.37	0.0	0.015	49.3	2.84	7.42	228.8	0.0	0.0	0.0
108 TP	28.3	433.5	*****	8.00	9.75	0.006	0.185	1.06	53.74	12.95	5.26	25.34	0.0	0.012	49.3	2.32	7.41	228.8	0.0	0.0	0.0
110 TP	28.3	432.5	*****	8.02	9.73	0.006	0.185	1.06	53.77	12.94	5.27	25.31	0.0	0.015	49.3	2.84	7.45	228.7	0.0	0.0	0.0
111 TP	28.3	434.0	*****	8.02	9.72	0.006	0.185	1.07	53.81	12.94	5.27	25.28	0.0	0.014	49.3	2.58	7.48	228.4	0.0	0.0	0.0
111 TP	28.3	429.9	*****	8.03	9.72	0.006	0.183	1.07	53.81	12.93	5.28	25.25	2.7	0.012	49.3	2.32	7.59	227.8	0.0	0.0	0.0
113 TP	28.3	423.7	*****	8.04	9.71	0.006	0.180	1.08	53.80	12.92	5.29	25.24	1.1	0.015	49.3	2.83	7.51	227.0	0.0	0.0	0.0
114 TP	28.2	418.3	*****	8.04	9.71	0.006	0.178	1.08	53.78	12.90	5.30	25.23	1.0	0.014	49.3	2.58	7.36	226.2	0.0	0.0	0.0
114 TP	28.2	416.6	*****	8.04	9.72	0.006	0.177	1.08	53.79	12.91	5.30	25.24	0.9	0.012	49.3	2.32	7.31	225.5	0.0	0.0	0.0
115 TP	28.3	415.2	*****	8.04	9.72	0.006	0.177	1.09	53.79	12.91	5.29	25.26	1.0	0.014	49.3	2.58	7.55	225.1	0.0	0.0	0.0
117 TP	28.3	414.5	*****	8.03	9.74	0.006	0.177	1.08	53.81	12.93	5.28	25.28	1.1	0.015	49.3	2.84	7.74	225.1	0.0	0.0	0.0
117 TP	28.4	411.9	*****	8.03	9.75	0.006	0.176	1.07	53.79	12.94	5.28	25.32	0.9	0.012	49.3	2.32	7.59	225.4	0.0	0.0	0.0
118 TP	28.5	411.6	*****	8.01	9.77	0.006	0.176	1.07	53.76	12.94	5.27	25.36	1.0	0.014	49.3	2.58	7.50	225.9	0.0	0.0	0.0
120 TP	28.6	413.6	*****	8.00	9.78	0.006	0.177	1.07	53.75	12.96	5.26	25.39	1.1	0.015	49.3	2.84	7.30	226.5	0.0	0.0	0.0
121 TP	28.7	417.6	*****	8.00	9.79	0.006	0.178	1.07	53.73	12.97	5.25	25.42	1.0	0.014	49.3	2.58	7.38	227.1	0.0	0.0	0.0
121 TP	28.8	423.0	*****	7.99	9.80	0.006	0.181	1.07	53.74	12.98	5.25	25.44	0.9	0.012	49.3	2.32	7.52	227.6	0.0	0.0	0.0
123 TP	28.9	424.9	*****	7.98	9.80	0.006	0.182	1.07	53.73	12.99	5.24	25.46	1.1	0.015	49.3	2.84	7.52	228.0	0.0	0.0	0.0
124 TP	29.0	425.5	*****	7.98	9.80	0.006	0.182	1.06	53.70	12.98	5.25	25.46	1.0	0.014	49.3	2.58	7.62	228.3	0.0	0.0	0.0
124 TP	29.1	426.9	*****	7.98	9.80	0.006	0.183	1.06	53.69	12.99	5.24	25.46	0.9	0.012	49.3	2.32	7.59	228.5	0.0	0.0	0.0
125 TP	29.1	424.9	*****	7.98	9.79	0.006	0.182	1.06	53.68	12.98	5.25	25.44	1.0	0.014	49.3	2.58	7.46	228.6	0.0	0.0	0.0
127 TP	29.2	427.9	*****	7.99	9.78	0.006	0.183	1.06	53.68	12.97	5.25	25.42	1.1	0.015	49.3	2.84	7.73	228.7	0.0	0.0	0.0
127 TP	29.3	430.9	*****	7.99	9.77	0.006	0.184	1.06	53.70	12.97	5.26	25.40	0.9	0.012	49.3	2.33	7.83	228.5	0.0	0.0	0.0
129 TP	29.3	436.1	*****	8.00	9.76	0.006	0.186	1.07	53.75	12.96	5.26	25.36	1.1	0.015	49.3	2.84	7.43	228.3	0.0	0.0	0.0
129 TP	29.4	435.9	*****	8.01	9.76	0.006	0.186	1.07	53.76	12.96	5.26	25.35	0.9	0.012	49.4	2.32	7.57	227.9	0.0	0.0	0.0
130 TP	29.4	343.1	*****	8.01	9.75	0.006	0.146	1.07	53.77	12.95	5.26	25.37	1.0	0.014	49.4	2.58	7.90	227.4	0.0	0.0	0.0
132 TP	29.5	429.1	*****	8.01	9.75	0.006	0.183	1.07	53.75	12.95	5.27	25.34	1.1	0.015	49.4	2.84	7.64	226.9	0.0	0.0	0.0
132 TP	29.5	418.8	*****	8.01	9.76	0.006	0.179	1.07	53.69	12.93	5.28	25.35	0.9	0.012	49.4	2.33	7.53	226.6	0.0	0.0	0.0
133 TP	29.6	421.6	*****	8.01	9.76	0.006	0.180	1.06	53.69	12.93	5.28	25.36	1.0	0.014	49.4	2.59	7.58	226.4	0.0	0.0	0.0
135 TP	29.6	338.1	*****	8.01	9.77	0.006	0.144	1.06	53.67	12.93	5.28	25.40	1.1	0.015	49.4	2.85	7.55	226.3	0.0	0.0	0.0
136 TP	29.6	427.0	*****	8.00	9.77	0.006	0.182	1.06	53.68	12.95	5.27	25.39	1.0	0.014	49.4	2.59	7.64	226.5	0.0	0.0	0.0
136 TP	29.6	426.3	*****	8.00	9.79	0.006	0.182	1.06	53.66	12.95	5.26	25.42	0.9	0.012	49.4	2.33	7.52	226.6	0.0	0.0	0.0
138 TP	29.6	427.7	*****	7.98	9.80	0.006	0.183	1.06	53.61	12.96	5.26	25.45	1.1	0.015	49.4	2.85	7.64	227.0	0.0	0.0	0.0
138 TP	29.6	426.1	*****	7.98	9.81	0.006	0.182	1.06	53.59	12.97	5.25	25.48	0.9	0.012	49.4	2.33	7.67	227.3	0.0	0.0	0.0
139 TP	29.6	426.2	*****	7.97	9.81	0.006	0.182	1.05	53.57	12.96	5.26	25.49	1.0	0.014	49.4	2.59	7.77	227.6	0.0	0.0	0.0
140 TP	29.5	426.1	*****	7.97	9.82	0.006	0.182	1.05	53.54	12.97	5.25	25.51	1.0	0.014	49.4	2.59	8.43	227.8	0.0	0.0	0.0
142 TP	29.4	339.8	*****	7.96	9.82	0.006	0.145	1.05	53.54	12.97	5.25	25.55	1.1	0.015	49.4	2.86	9.30	228.0	0.0	0.0	0.0
142 TP	29.4	427.0	*****	7.96	9.82	0.006	0.183	1.05	53.52	12.97	5.25	25.51	0.9	0.012	49.4	2.33	8.49	228.2	0.0	0.0	0.0
143 TP	29.4	412.8	*****	7.97	9.81	0.006	0.176	1.05	53.44	12.95	5.27	25.51	1.0	0.014	49.3	2.60	7.96	228.3	0.0	0.0	0.0
145 TP	29.4	380.2	*****	7.97	9.81	0.006	0.160	1.04	52.71	12.76	5.39	25.51	1.1	0.015	48.8	2.87	7.67	228.4	0.0	0.0	0.0
146 TP	29.5	337.6	*****	7.97	9.81	0.006	0.134	0.99	49.81	12.06	5.92	25.52	1.0	0.013	47.2	2.66	8.14	228.4	0.0	0.0	0.0
146 TP	29.5	294.5	*****	7.97	9.82	0.005	0.104	0.88	44.46	10.76	7.22	25.54	0.9	0.011	45.3	2.58	10.42	228.4	0.0	0.0	0.0
147 TP	29.5	258.9	*****	7.97	9.94	0.004	0.069	0.67	33.57	8.13	20.55	25.75	1.0	0.012	44.0	3.70	12.60	228.2	0.0	0.0	0.0
149 TP	29.5	232.4	*****	7.84	10.56	0.003	0.044	0.48	23.51	5.79	41.17	26.88	1.1	0.013	42.6	5.62	12.79	228.0	0.0	0.0	0.0
149 TP	29.6	212.6	*****	7.33	11.74	0.003	0.041	0.47	22.09	5.82	40.16	29.77	0.9	0.010	41.0	4.71	12.49	227.8	0.0	0.0	0.0
151 TP	29.6	197.0	*****	6.34	13.17	0.003	0.038	0.41	19.40	5.91	37.04	35.13	1.1	0.012	38.3	6.13	11.91	227.6	0.0	0.0	0.0
152 TP	29.7	185.3	814.5	5.23	14.46	0.003	0.037	0.27	16.40	6.05	33.15	42.90	1.0	0.010	36.6	6.27	11.49	227.5	0.0	0.0	0.0
152 TP	29.8	175.1	376.1	4.31	15.53	0.003	0.036	0.13	13.83	6.19	29.88	52.37	0.9	0.009	34.2	6.27	12.64	227.4	0.0	0.0	0.0
153 TP	29.9	166.5	163.6	2.93	16.42	0.003	0.039	0.06	10.69	7.03	23.77	74.82	1.0	0.009	31.8	8.38	13.24	227.2	0.0	0.0	0.0
155 TP	29.9	163.4	99.5	1.09	17.07	0.005	0.052	0.05	5.43	9.62	8.93	186.36	1.1	0.009	29.4	16.58	13.66	227.1	0.0	0.0	0.0
155 TP	29.9	162.5	25.6	1.24	17.64	0.004	0.046	0.01	5.50	8.58	11.35	171.07	0.9	0.007	27.2	12.38	12.51	227.1	0.0	0.0	0.0
157 TP	30.0	160.3	46.8	1.30	18.11	0.004	0.042	0.02	5.39	7.99	13.36	167.38	1.1	0.008	24.9	14.17	13.12	227.1	0.0	0.0	0.0
157 TP	30.0	157.0	48.8	1.30	18.50	0.004	0.040	0.02	5.14	7.65	14.91	171.53	0.9	0.006	22.7	11.08	12.71	227.1	0.0	0.0	0.0
158 TP	30.0	161.9	46.0	1.25	18.83	0.004	0.040	0.02	4.81	7.45	16.04	180.68	1.0	0.006	20.6	12.02	12.34	227.1	0.0	0.0	0.0
160 TP	30.1	173.5	41.8	1.17	19.11	0.004	0.042	0.02	4.48	7.38	16.46	193.63	1.1	0.006	18.4	12.58	12.04	227.0	0.0	0.0	0.0
161 TP	30.1	199.5	38.2	1.09	19.35	0.004	0.050	0.02	4.29	7.60	15.21	209.24	1.0	0.004	16.1	10.35	12.09	226.9	0.0	0.0	0.0
161 TP	30.2	227.9	35.3	1.00	19.53	0.004	0.060	0.02	4.12	7.93	13.64	227.23	0.9	0.004	14.4	8.67	12.89	226.7	0.0	0.0	0.0
162 TP	30.2	244.7	33.1	0.92	19.62	0.004	0.066	0.01	3.92	8.19	12.61	245.49	1.0	0.003	11.6	8.18	12.35	226.6	0.0	0.0	0.0
164 TP	30.2	253.8	31.2	0.92	19.54	0.004	0.071	0.01	4.02	8.46	11.71	246.12	1.1	0.003	9.6	7.23	12.80	226.5	0.0	0.0	0.0

164	TP	30.2	258.6	30.7	1.01	19.47	0.004	0.071	0.01	4.37	8.35	12.05	224.42	0.9	0.002	7.7	4.35	11.72	226.4	0.0	0.0	0.0
166	TP	30.2	257.1	53.1	1.07	19.40	0.004	0.070	0.02	4.59	8.27	12.33	211.81	1.1	0.002	5.7	3.81	11.74	226.3	0.0	0.0	0.0
166	TP	30.3	202.2	105.6	1.14	19.18	0.004	0.055	0.05	4.88	8.26	12.37	198.74	0.9	0.001	3.7	1.88	12.07	226.2	0.0	0.0	0.0
168	TP	30.3	251.1	99.9	1.31	18.99	0.004	0.067	0.04	5.48	8.06	13.09	172.48	1.1	0.001	2.6	1.46	11.67	226.2	0.0	0.0	0.0
168	TP	30.3	249.0	148.1	1.45	18.81	0.004	0.065	0.06	5.99	7.96	13.51	155.84	0.9	0.000	1.5	0.60	11.41	226.1	0.0	0.0	0.0
169	TP	30.4	251.0	211.3	1.58	18.55	0.004	0.065	0.09	6.45	7.85	13.99	142.12	1.0	0.000	0.6	0.27	11.31	226.0	0.0	0.0	0.0
171	TP	30.4	256.8	190.2	1.78	18.23	0.004	0.065	0.08	7.05	7.64	15.01	125.94	1.1	0.000	0.0	0.02	11.89	226.0	0.0	0.0	0.0
171	TP	30.4	259.1	215.9	2.01	17.93	0.004	0.063	0.09	7.74	7.42	16.27	111.18	0.9	0.000	0.0	2.78	11.56	225.9	0.0	0.0	0.0
173	TP	30.4	261.2	283.9	2.23	17.64	0.004	0.062	0.11	8.38	7.25	17.38	100.21	1.1	0.000	0.0	3.00	10.88	225.7	0.0	0.0	0.0
174	TP	30.4	260.5	333.7	2.43	17.36	0.004	0.061	0.13	8.95	7.11	18.35	91.78	1.0	0.000	0.0	0.00	10.85	225.6	0.0	0.0	0.0
174	TP	30.4	253.6	353.9	2.63	17.10	0.003	0.058	0.13	9.50	6.99	19.40	84.75	0.9	0.000	0.0	3.40	11.51	225.5	0.0	0.0	0.0
175	TP	30.4	251.2	379.9	2.81	16.87	0.003	0.056	0.14	9.92	6.80	21.18	78.96	1.0	0.000	0.0	3.54	11.65	225.3	0.0	0.0	0.0
176	TP	30.4	246.2	408.2	2.98	16.67	0.003	0.053	0.14	10.11	6.55	24.14	74.54	1.0	0.000	0.0	3.61	11.90	225.3	0.0	0.0	0.0
177	TP	30.4	243.0	426.7	3.12	16.54	0.003	0.051	0.15	10.19	6.31	27.82	71.32	1.0	0.000	0.0	3.63	12.18	225.3	0.0	0.0	0.0
178	TP	30.4	240.7	434.3	3.20	16.58	0.003	0.049	0.14	10.18	6.13	31.33	69.90	1.0	0.000	0.0	3.63	11.70	225.3	0.0	0.0	0.0
179	TP	30.4	229.3	437.5	3.15	16.80	0.003	0.046	0.14	9.88	6.05	33.23	71.65	1.0	0.000	0.0	3.52	10.70	225.3	0.0	0.0	0.0
180	TP	30.4	226.0	407.4	2.98	17.06	0.003	0.045	0.13	9.33	6.04	33.50	76.01	1.0	0.000	0.0	3.33	9.96	225.2	0.0	0.0	0.0
182	TP	30.4	225.2	306.7	2.80	17.29	0.003	0.045	0.10	8.77	6.05	33.16	81.21	1.1	0.000	0.0	3.13	10.23	225.0	0.0	0.0	0.0
183	TP	30.4	224.3	225.6	2.64	17.48	0.003	0.045	0.07	8.30	6.07	32.71	86.17	1.0	0.000	0.0	2.96	10.40	224.9	0.0	0.0	0.0
183	TP	30.4	222.7	190.2	2.51	17.64	0.003	0.045	0.06	7.92	6.09	32.18	90.76	0.9	0.000	0.0	2.83	10.40	224.8	0.0	0.0	0.0
184	TP	30.4	219.7	177.1	2.40	17.77	0.003	0.044	0.06	7.61	6.12	31.63	94.83	1.0	0.000	0.0	2.72	10.33	224.7	0.0	0.0	0.0
185	TP	30.5	217.6	168.3	2.31	17.88	0.003	0.044	0.06	7.36	6.14	31.16	98.38	1.0	0.000	0.0	2.63	10.74	224.6	0.0	0.0	0.0
186	TP	30.5	213.6	162.5	2.24	17.96	0.003	0.043	0.05	7.16	6.15	30.86	101.52	1.0	0.000	0.0	2.56	10.25	224.6	0.0	0.0	0.0
188	TP	30.5	213.7	160.1	2.19	18.04	0.003	0.043	0.05	6.99	6.17	30.51	104.19	1.1	0.000	0.0	2.50	9.98	224.5	0.0	0.0	0.0
189	TP	30.6	217.6	158.0	2.14	18.09	0.003	0.044	0.05	6.87	6.19	30.06	106.47	1.0	0.000	0.0	2.46	10.16	224.4	0.0	0.0	0.0
189	TP	30.6	216.7	157.2	2.10	18.14	0.003	0.044	0.05	6.76	6.21	29.65	108.48	0.9	0.000	0.0	2.42	10.32	224.3	0.0	0.0	0.0
190	TP	30.6	170.7	155.8	2.07	18.17	0.003	0.035	0.05	6.68	6.23	29.28	110.38	1.0	0.000	0.0	2.38	9.84	224.3	0.0	0.0	0.0
192	TP	30.6	212.1	155.9	2.05	18.20	0.003	0.044	0.05	6.62	6.24	29.06	111.44	1.1	0.000	0.0	2.37	9.58	224.2	0.0	0.0	0.0
193	TP	30.6	210.1	156.3	2.03	18.22	0.003	0.043	0.05	6.56	6.25	28.92	112.43	1.0	0.000	0.0	2.35	9.20	224.2	0.0	0.0	0.0
193	TP	30.7	209.8	156.7	2.01	18.24	0.003	0.043	0.05	6.52	6.25	28.82	113.25	0.9	0.000	0.0	2.33	9.06	224.1	0.0	0.0	0.0
195	TP	30.7	205.2	157.1	2.00	18.25	0.003	0.042	0.05	6.49	6.26	28.75	113.95	1.1	0.000	0.0	2.32	9.25	224.0	0.0	0.0	0.0
196	TP	30.7	203.7	157.0	1.99	18.26	0.003	0.042	0.05	6.46	6.26	28.74	114.55	1.0	0.000	0.0	2.31	8.88	223.9	0.0	0.0	0.0
196	TP	30.7	202.8	156.4	1.98	18.28	0.003	0.042	0.05	6.42	6.26	28.76	115.15	0.9	0.000	0.0	2.30	9.61	223.9	0.0	0.0	0.0
198	TP	30.7	197.9	156.9	1.97	18.29	0.003	0.041	0.05	6.40	6.26	28.76	115.66	1.1	0.000	0.0	2.29	9.17	223.9	0.0	0.0	0.0
198	TP	30.7	191.8	157.0	1.97	18.30	0.003	0.040	0.05	6.37	6.26	28.76	116.12	0.9	0.000	0.0	2.28	9.16	223.8	0.0	0.0	0.0
199	TP	30.7	192.3	155.4	1.96	18.30	0.003	0.040	0.05	6.35	6.26	28.72	116.54	1.0	0.000	0.0	2.27	9.45	223.7	0.0	0.0	0.0
201	TP	30.7	195.4	154.8	1.95	18.31	0.003	0.040	0.05	6.33	6.26	28.66	116.96	1.1	0.000	0.0	2.26	9.24	223.7	0.0	0.0	0.0
202	TP	30.7	196.8	154.6	1.95	18.32	0.003	0.041	0.05	6.31	6.26	28.64	117.27	1.0	0.000	0.0	2.26	8.84	223.6	0.0	0.0	0.0
202	TP	30.7	201.3	154.1	1.94	18.33	0.003	0.042	0.05	6.30	6.27	28.58	117.54	0.9	0.000	0.0	2.26	8.81	223.6	0.0	0.0	0.0
204	TP	30.6	201.3	153.0	1.94	18.33	0.003	0.042	0.05	6.29	6.27	28.58	117.72	1.1	0.000	0.0	2.25	9.05	223.5	0.0	0.0	0.0
205	TP	30.6	199.7	153.2	1.93	18.33	0.003	0.041	0.05	6.28	6.26	28.65	117.93	1.0	0.000	0.0	2.25	8.91	223.5	0.0	0.0	0.0
205	TP	30.6	201.3	151.9	1.93	18.34	0.003	0.042	0.05	6.26	6.26	28.70	118.19	0.9	0.000	0.0	2.24	8.68	223.5	0.0	0.0	0.0
206	TP	30.6	198.9	150.9	1.93	18.34	0.003	0.041	0.05	6.26	6.26	28.66	118.32	1.0	0.000	0.0	2.24	8.75	223.5	0.0	0.0	0.0
208	TP	30.7	200.9	151.1	1.93	18.34	0.003	0.042	0.05	6.25	6.27	28.58	118.48	1.1	0.000	0.0	2.24	8.59	223.5	0.0	0.0	0.0
208	TP	30.6	204.8	150.4	1.92	18.34	0.003	0.042	0.05	6.25	6.27	28.49	118.63	0.9	0.000	0.0	2.24	8.59	223.5	0.0	0.0	0.0
210	TP	30.6	204.2	150.0	1.92	18.35	0.003	0.042	0.05	6.24	6.27	28.52	118.80	1.1	0.000	0.0	2.23	8.40	223.4	0.0	0.0	0.0
211	TP	30.7	204.5	149.0	1.92	18.35	0.003	0.042	0.05	6.23	6.26	28.64	118.89	1.0	0.000	0.0	2.23	8.38	223.4	0.0	0.0	0.0
211	TP	30.7	202.3	148.7	1.92	18.35	0.003	0.042	0.05	6.22	6.26	28.78	118.97	0.9	0.000	0.0	2.22	8.63	223.4	0.0	0.0	0.0
213	TP	30.7	199.4	148.1	1.92	18.35	0.003	0.041	0.05	6.21	6.25	28.86	119.08	1.1	0.000	0.0	2.22	8.38	223.4	0.0	0.0	0.0
213	TP	30.7	201.8	147.8	1.92	18.35	0.003	0.042	0.05	6.20	6.25	28.91	119.11	0.9	0.000	0.0	2.22	7.89	223.3	0.0	0.0	0.0
214	TP	30.7	202.0	147.1	1.91	18.35	0.003	0.042	0.05	6.19	6.24	29.03	119.20	1.0	0.000	0.0	2.21	7.69	223.3	0.0	0.0	0.0
215	TP	30.7	199.4	147.7	1.91	18.35	0.003	0.041	0.05	6.18	6.24	29.00	119.33	1.0	0.000	0.0	2.21	7.92	223.2	0.0	0.0	0.0
217	TP	30.7	194.5	148.5	1.91	18.35	0.003	0.040	0.05	6.18	6.24	28.98	119.43	1.1	0.000	0.0	2.21	8.28	223.2	0.0	0.0	0.0
218	TP	30.7	191.9	148.8	1.91	18.35	0.003	0.039	0.05	6.18	6.24	29.01	119.49	1.0	0.000	0.0	2.21	8.33	223.2	0.0	0.0	0.0
218	TP	30.7	189.6	148.8	1.91	18.35	0.003	0.039	0.05	6.18	6.25	28.94	119.53	0.9	0.000	0.0	2.21	8.12	223.0	0.0	0.0	0.0
220	TP	30.7	188.2	148.2	1.91	18.35	0.003	0.039	0.05	6.18	6.25	28.89	119.51	1.1	0.000	0.0	2.21	8.23	223.0	0.0	0.0	0.0
220	TP	30.8	187.9	146.8	1.91	18.36	0.003	0.039	0.05	6.18	6.25	28.92	119.56	0.9	0.000	0.0	2.21	8.27	222.9	0.0	0.0	0.0
221	TP	30.8	187.2	147.3	1.91	18.37	0.003	0.039	0.05	6.18	6.25	28.90	119.68	1.0	0.000	0.0	2.21	7.88	222.8	0.0	0.0	0.0
223	TP	30.8	185.1	146.5	1.91	18.37	0.003	0.038	0.05	6.18	6.25	28.90	119.72	1.1	0.000	0.0	2.21	7.71	222.7	0.0	0.0	0.0

224 TP	30.8	184.4	146.1	1.91	18.37	0.003	0.038	0.05	6.17	6.24	29.04	119.72	1.0	0.000	0.0	2.21	7.62	222.7	0.0	0.0	0.0
224 TP	30.8	182.4	146.2	1.91	18.36	0.003	0.037	0.05	6.16	6.23	29.17	119.75	0.9	0.000	0.0	2.20	7.48	222.6	0.0	0.0	0.0
226 TP	30.8	184.9	145.9	1.91	18.37	0.003	0.038	0.05	6.16	6.23	29.18	119.74	1.1	0.000	0.0	2.20	7.43	222.5	0.0	0.0	0.0
226 TP	30.8	183.8	145.9	1.91	18.37	0.003	0.038	0.05	6.16	6.23	29.26	119.77	0.9	0.000	0.0	2.20	7.36	222.4	0.0	0.0	0.0
227 TP	30.8	181.7	146.2	1.91	18.36	0.003	0.037	0.05	6.15	6.23	29.26	119.83	1.0	0.000	0.0	2.20	7.28	222.3	0.0	0.0	0.0
229 TP	30.8	179.9	146.0	1.91	18.36	0.003	0.037	0.05	6.15	6.23	29.19	119.84	1.1	0.000	0.0	2.20	7.44	222.2	0.0	0.0	0.0
230 TP	30.9	179.9	145.3	1.91	18.36	0.003	0.037	0.05	6.16	6.24	29.14	119.85	1.0	0.000	0.0	2.20	7.47	222.1	0.0	0.0	0.0
230 TP	30.9	178.6	145.4	1.91	18.37	0.003	0.037	0.05	6.16	6.24	29.13	119.90	0.9	0.000	0.0	2.20	7.31	222.1	0.0	0.0	0.0
231 TP	30.9	180.9	145.8	1.90	18.37	0.003	0.037	0.05	6.15	6.24	29.13	119.98	1.0	0.000	0.0	2.20	7.06	222.0	0.0	0.0	0.0
233 TP	30.8	182.8	145.5	1.90	18.37	0.003	0.038	0.05	6.15	6.24	29.11	119.96	1.1	0.000	0.0	2.20	6.90	221.9	0.0	0.0	0.0
233 TP	30.8	184.2	145.2	1.90	18.37	0.003	0.038	0.05	6.16	6.24	29.05	119.95	0.9	0.000	0.0	2.20	7.13	221.8	0.0	0.0	0.0
235 TP	30.8	183.2	145.2	1.90	18.37	0.003	0.038	0.05	6.16	6.24	28.99	119.96	1.1	0.000	0.0	2.20	7.25	221.7	0.0	0.0	0.0
235 TP	30.8	183.6	145.7	1.90	18.37	0.003	0.038	0.05	6.16	6.24	29.00	119.96	0.9	0.000	0.0	2.20	6.95	221.6	0.0	0.0	0.0
236 TP	30.7	187.7	144.8	1.90	18.37	0.003	0.039	0.05	6.16	6.24	29.03	119.93	1.0	0.000	0.0	2.20	6.98	221.5	0.0	0.0	0.0
237 TP	30.7	186.6	143.6	1.90	18.37	0.003	0.038	0.05	6.16	6.24	29.01	119.94	1.0	0.000	0.0	2.20	6.83	221.4	0.0	0.0	0.0
239 TP	30.7	186.6	143.6	1.90	18.37	0.003	0.038	0.05	6.16	6.24	29.06	119.94	1.1	0.000	0.0	2.20	6.71	221.2	0.0	0.0	0.0
239 TP	30.8	182.6	143.3	1.90	18.37	0.003	0.038	0.05	6.15	6.24	29.02	120.08	0.9	0.000	0.0	2.20	6.70	221.1	0.0	0.0	0.0
241 TP	30.8	178.8	143.1	1.90	18.37	0.003	0.037	0.05	6.15	6.24	29.04	120.01	1.1	0.000	0.0	2.20	6.62	221.0	0.0	0.0	0.0
242 TP	30.8	177.2	143.5	1.90	18.37	0.003	0.036	0.05	6.15	6.24	29.07	120.02	1.0	0.000	0.0	2.20	6.70	220.9	0.0	0.0	0.0
242 TP	30.8	176.0	143.6	1.90	18.36	0.003	0.036	0.05	6.15	6.24	29.08	119.95	0.9	0.000	0.0	2.20	6.69	220.8	0.0	0.0	0.0
243 TP	30.7	173.0	142.6	1.90	18.35	0.003	0.036	0.05	6.15	6.24	29.08	119.93	1.0	0.000	0.0	2.20	6.77	220.7	0.0	0.0	0.0
245 TP	30.8	175.1	142.3	1.90	18.35	0.003	0.036	0.05	6.16	6.24	29.05	119.89	1.1	0.000	0.0	2.20	6.84	220.7	0.0	0.0	0.0
246 TP	30.8	172.0	142.2	1.90	18.35	0.003	0.035	0.05	6.16	6.24	29.03	119.96	1.0	0.000	0.0	2.20	6.63	220.6	0.0	0.0	0.0
246 TP	30.8	172.7	141.7	1.90	18.35	0.003	0.036	0.05	6.16	6.24	29.03	119.91	0.9	0.000	0.0	2.20	6.51	220.6	0.0	0.0	0.0
248 TP	30.9	170.1	141.9	1.91	18.35	0.003	0.035	0.05	6.16	6.24	29.13	119.86	1.1	0.000	0.0	2.20	6.43	220.5	0.0	0.0	0.0
249 TP	30.9	168.1	142.8	1.90	18.35	0.003	0.035	0.05	6.15	6.24	29.15	119.92	1.0	0.000	0.0	2.20	6.47	220.5	0.0	0.0	0.0
249 TP	30.9	168.5	142.3	1.90	18.35	0.003	0.035	0.05	6.15	6.24	29.13	119.96	0.9	0.000	0.0	2.20	6.39	220.3	0.0	0.0	0.0
251 TP	30.9	171.8	142.0	1.91	18.35	0.003	0.035	0.05	6.15	6.23	29.24	119.85	1.1	0.000	0.0	2.20	6.61	220.3	0.0	0.0	0.0
251 TP	30.9	172.2	141.6	1.91	18.36	0.003	0.035	0.05	6.15	6.23	29.26	119.86	0.9	0.000	0.0	2.20	6.51	220.2	0.0	0.0	0.0
252 TP	30.9	170.6	141.3	1.90	18.36	0.003	0.035	0.05	6.15	6.23	29.20	120.03	1.0	0.000	0.0	2.20	6.45	220.1	0.0	0.0	0.0
253 TP	30.9	171.2	141.0	1.90	18.36	0.003	0.035	0.05	6.14	6.23	29.28	120.01	1.0	0.000	0.0	2.19	6.34	220.0	0.0	0.0	0.0
255 TP	30.9	172.8	140.9	1.90	18.36	0.003	0.035	0.05	6.14	6.22	29.37	119.97	1.1	0.000	0.0	2.19	6.52	219.9	0.0	0.0	0.0
255 TP	31.0	173.3	140.9	1.90	18.37	0.003	0.036	0.05	6.14	6.23	29.30	120.03	0.9	0.000	0.0	2.19	6.60	219.8	0.0	0.0	0.0
257 TP	31.0	172.0	141.3	1.90	18.36	0.003	0.035	0.05	6.15	6.23	29.23	120.00	1.1	0.000	0.0	2.20	6.54	219.8	0.0	0.0	0.0
257 TP	31.0	170.1	141.5	1.90	18.37	0.003	0.035	0.05	6.15	6.23	29.20	120.05	0.9	0.000	0.0	2.20	6.43	219.7	0.0	0.0	0.0
258 TP	31.0	166.0	141.0	1.90	18.37	0.003	0.034	0.05	6.15	6.23	29.23	120.07	1.0	0.000	0.0	2.20	6.30	219.7	0.0	0.0	0.0
260 TP	31.0	159.5	140.9	1.90	18.36	0.003	0.033	0.05	6.15	6.23	29.19	120.09	1.1	0.000	0.0	2.20	6.41	219.6	0.0	0.0	0.0
261 TP	30.9	158.2	141.4	1.90	18.36	0.003	0.032	0.05	6.15	6.23	29.23	120.06	1.0	0.000	0.0	2.19	6.40	219.5	0.0	0.0	0.0
261 TP	30.9	155.7	141.6	1.90	18.37	0.003	0.032	0.05	6.14	6.23	29.27	120.14	0.9	0.000	0.0	2.19	6.45	219.4	0.0	0.0	0.0
263 TP	30.9	151.9	141.4	1.90	18.37	0.003	0.031	0.05	6.14	6.23	29.32	120.16	1.1	0.000	0.0	2.19	6.55	219.3	0.0	0.0	0.0
263 TP	30.9	152.0	140.6	1.90	18.37	0.003	0.031	0.05	6.14	6.22	29.38	120.16	0.9	0.000	0.0	2.19	6.39	219.2	0.0	0.0	0.0
264 TP	30.9	154.5	140.8	1.90	18.36	0.003	0.032	0.05	6.14	6.22	29.35	120.09	1.0	0.000	0.0	2.19	6.30	219.2	0.0	0.0	0.0
265 TP	30.9	157.0	140.4	1.90	18.35	0.003	0.032	0.05	6.14	6.23	29.28	120.04	1.0	0.000	0.0	2.19	6.32	219.1	0.0	0.0	0.0
267 TP	30.9	162.6	141.1	1.90	18.35	0.003	0.033	0.05	6.15	6.23	29.21	120.00	1.1	0.000	0.0	2.20	6.43	219.0	0.0	0.0	0.0
267 TP	30.8	160.9	141.2	1.90	18.35	0.003	0.033	0.05	6.15	6.23	29.18	120.03	0.9	0.000	0.0	2.20	6.45	219.0	0.0	0.0	0.0
269 TP	30.8	159.5	140.3	1.90	18.36	0.003	0.033	0.05	6.15	6.24	29.14	120.09	1.1	0.000	0.0	2.20	6.38	218.9	0.0	0.0	0.0
270 TP	30.8	158.3	140.3	1.90	18.37	0.003	0.033	0.05	6.15	6.24	29.14	120.17	1.0	0.000	0.0	2.19	6.27	218.7	0.0	0.0	0.0
271 TP	30.8	157.5	140.4	1.90	18.37	0.003	0.032	0.05	6.14	6.23	29.20	120.24	1.0	0.000	0.0	2.19	6.38	218.6	0.0	0.0	0.0
271 TP	30.9	158.3	139.9	1.90	18.37	0.003	0.033	0.05	6.14	6.23	29.25	120.24	0.9	0.000	0.0	2.19	6.39	218.5	0.0	0.0	0.0
272 TP	30.9	155.3	139.8	1.90	18.37	0.003	0.032	0.05	6.13	6.23	29.32	120.26	1.0	0.000	0.0	2.19	6.35	218.4	0.0	0.0	0.0
274 TP	30.9	153.7	139.8	1.90	18.37	0.003	0.032	0.05	6.14	6.23	29.30	120.27	1.1	0.000	0.0	2.19	6.30	218.3	0.0	0.0	0.0
274 TP	30.9	155.2	140.9	1.90	18.37	0.003	0.032	0.05	6.14	6.23	29.26	120.26	0.9	0.000	0.0	2.19	6.22	218.2	0.0	0.0	0.0
276 TP	30.9	157.2	140.1	1.90	18.36	0.003	0.032	0.05	6.13	6.23	29.32	120.22	1.1	0.000	0.0	2.19	6.16	218.2	0.0	0.0	0.0
276 TP	31.0	155.0	138.8	1.90	18.36	0.003	0.032	0.05	6.13	6.22	29.40	120.23	0.9	0.000	0.0	2.19	6.22	218.1	0.0	0.0	0.0
277 TP	30.9	155.6	139.1	1.90	18.37	0.003	0.032	0.05	6.13	6.22	29.50	120.26	1.0	0.000	0.0	2.19	6.27	218.1	0.0	0.0	0.0
279 TP	30.9	155.0	139.3	1.90	18.37	0.003	0.032	0.05	6.12	6.22	29.53	120.26	1.1	0.000	0.0	2.19	6.30	218.1	0.0	0.0	0.0
280 TP	31.0	155.2	139.1	1.90	18.37	0.003	0.032	0.05	6.12	6.21	29.55	120.28	1.0	0.000	0.0	2.19	6.41	218.0	0.0	0.0	0.0
280 TP	31.0	154.6	139.9	1.90	18.37	0.003	0.032	0.05	6.12	6.22	29.48	120.38	0.9	0.000	0.0	2.18	6.34	218.0	0.0	0.0	0.0
281 TP	31.0	154.6	140.1	1.90	18.37	0.003	0.032	0.05	6.12	6.22	29.42	120.38	1.0	0.000	0.0	2.19	6.29	218.0	0.0	0.0	0.0

282	TP	31.0	154.4	140.0	1.90	18.37	0.003	0.032	0.05	6.12	6.22	29.44	120.54	1.0	0.000	0.0	2.18	6.31	217.9	0.0	0.0	0.0
283	TP	31.0	153.1	140.7	1.90	18.37	0.003	0.031	0.05	6.11	6.22	29.48	120.59	1.0	0.000	0.0	2.18	6.18	217.9	0.0	0.0	0.0
284	TP	31.0	155.5	140.4	1.90	18.37	0.003	0.032	0.05	6.11	6.22	29.42	120.60	1.0	0.000	0.0	2.18	6.20	217.8	0.0	0.0	0.0
285	TP	31.0	156.7	139.2	1.90	18.38	0.003	0.032	0.05	6.11	6.22	29.48	120.67	1.0	0.000	0.0	2.18	6.32	217.8	0.0	0.0	0.0
286	TP	31.0	157.7	139.0	1.90	18.38	0.003	0.032	0.05	6.11	6.22	29.51	120.66	1.0	0.000	0.0	2.18	6.35	217.7	0.0	0.0	0.0
287	TP	31.0	157.1	139.5	1.89	18.38	0.003	0.032	0.05	6.10	6.22	29.48	120.76	1.0	0.000	0.0	2.18	6.27	217.6	0.0	0.0	0.0
288	TP	31.0	158.8	138.9	1.89	18.37	0.003	0.033	0.05	6.10	6.22	29.43	120.74	1.0	0.000	0.0	2.18	6.25	217.6	0.0	0.0	0.0
289	TP	31.0	153.2	139.1	1.89	18.37	0.003	0.031	0.05	6.10	6.22	29.42	120.77	1.0	0.000	0.0	2.18	6.35	217.5	0.0	0.0	0.0
290	TP	31.0	154.6	139.4	1.89	18.37	0.003	0.032	0.05	6.10	6.22	29.47	120.72	1.0	0.000	0.0	2.18	6.35	217.5	0.0	0.0	0.0
291	TP	31.0	156.2	139.6	1.89	18.37	0.003	0.032	0.05	6.10	6.22	29.44	120.71	1.0	0.000	0.0	2.18	6.41	217.4	0.0	0.0	0.0
292	TP	31.0	157.0	139.9	1.89	18.37	0.003	0.032	0.05	6.10	6.22	29.43	120.71	1.0	0.000	0.0	2.18	6.39	217.3	0.0	0.0	0.0
293	TP	31.0	153.8	139.1	1.89	18.37	0.003	0.032	0.05	6.10	6.22	29.44	120.73	1.0	0.000	0.0	2.18	6.38	217.3	0.0	0.0	0.0
294	TP	31.0	153.2	138.7	1.89	18.37	0.003	0.031	0.05	6.10	6.22	29.52	120.69	1.0	0.000	0.0	2.18	6.36	217.2	0.0	0.0	0.0
295	TP	31.0	150.1	138.6	1.89	18.37	0.003	0.031	0.05	6.10	6.22	29.52	120.75	1.0	0.000	0.0	2.18	6.26	217.2	0.0	0.0	0.0
296	TP	31.0	149.2	138.7	1.89	18.37	0.003	0.031	0.05	6.10	6.22	29.42	120.76	1.0	0.000	0.0	2.18	6.25	217.1	0.0	0.0	0.0
297	TP	30.9	146.2	138.9	1.89	18.37	0.003	0.030	0.05	6.11	6.23	29.31	120.78	1.0	0.000	0.0	2.18	6.27	217.1	0.0	0.0	0.0
298	TP	30.9	144.3	139.0	1.89	18.37	0.003	0.030	0.05	6.11	6.23	29.26	120.79	1.0	0.000	0.0	2.18	6.33	217.0	0.0	0.0	0.0
299	TP	31.0	144.9	139.3	1.89	18.37	0.003	0.030	0.05	6.11	6.23	29.32	120.79	1.0	0.000	0.0	2.18	6.37	217.0	0.0	0.0	0.0
300	TP	31.0	145.0	138.4	1.89	18.37	0.003	0.030	0.05	6.11	6.23	29.31	120.79	1.0	0.000	0.0	2.18	6.33	216.8	0.0	0.0	0.0
301	TP	30.9	142.1	138.3	1.89	18.37	0.003	0.029	0.05	6.11	6.23	29.31	120.80	1.0	0.000	0.0	2.18	6.42	216.8	0.0	0.0	0.0
302	TP	30.9	138.9	138.4	1.89	18.37	0.003	0.029	0.05	6.11	6.23	29.33	120.83	1.0	0.000	0.0	2.18	6.46	216.7	0.0	0.0	0.0
303	TP	30.9	140.4	137.8	1.89	18.37	0.003	0.029	0.05	6.11	6.23	29.32	120.82	1.0	0.000	0.0	2.18	6.50	216.7	0.0	0.0	0.0
304	TP	30.9	144.4	138.2	1.89	18.37	0.003	0.030	0.05	6.11	6.23	29.32	120.83	1.0	0.000	0.0	2.18	6.42	216.6	0.0	0.0	0.0
305	TP	30.9	149.2	137.7	1.89	18.38	0.003	0.031	0.05	6.11	6.23	29.36	120.83	1.0	0.000	0.0	2.18	6.29	216.6	0.0	0.0	0.0
306	TP	30.9	148.4	138.2	1.89	18.38	0.003	0.030	0.05	6.10	6.22	29.41	120.86	1.0	0.000	0.0	2.18	6.37	216.6	0.0	0.0	0.0
307	TP	31.0	149.6	138.0	1.89	18.38	0.003	0.031	0.05	6.09	6.22	29.49	120.95	1.0	0.000	0.0	2.18	6.35	216.5	0.0	0.0	0.0
308	TP	31.0	149.1	138.3	1.89	18.38	0.003	0.031	0.05	6.09	6.21	29.58	120.95	1.0	0.000	0.0	2.17	6.31	216.4	0.0	0.0	0.0
309	TP	31.0	148.7	137.8	1.89	18.38	0.003	0.030	0.05	6.09	6.22	29.50	120.95	1.0	0.000	0.0	2.17	6.36	216.4	0.0	0.0	0.0
310	TP	31.0	147.7	138.0	1.89	18.38	0.003	0.030	0.05	6.09	6.22	29.47	121.07	1.0	0.000	0.0	2.17	6.43	216.4	0.0	0.0	0.0
311	TP	31.0	149.4	138.1	1.89	18.38	0.003	0.031	0.05	6.08	6.21	29.58	121.16	1.0	0.000	0.0	2.17	6.46	216.3	0.0	0.0	0.0
312	TP	31.0	147.4	137.6	1.89	18.38	0.003	0.030	0.05	6.07	6.21	29.63	121.25	1.0	0.000	0.0	2.17	6.57	216.3	0.0	0.0	0.0
313	TP	31.1	144.3	138.4	1.89	18.38	0.003	0.030	0.05	6.07	6.21	29.63	121.34	1.0	0.000	0.0	2.17	6.49	216.3	0.0	0.0	0.0
314	TP	31.1	145.3	138.1	1.88	18.39	0.003	0.030	0.05	6.06	6.21	29.71	121.41	1.0	0.000	0.0	2.16	6.43	216.3	0.0	0.0	0.0
315	TP	31.1	145.1	138.5	1.88	18.39	0.003	0.030	0.05	6.05	6.20	29.85	121.50	1.0	0.000	0.0	2.16	6.50	216.2	0.0	0.0	0.0
316	TP	31.1	143.3	138.7	1.88	18.39	0.003	0.029	0.05	6.05	6.20	29.88	121.60	1.0	0.000	0.0	2.16	6.61	216.2	0.0	0.0	0.0
317	TP	31.1	144.8	137.8	1.88	18.39	0.003	0.030	0.05	6.05	6.20	29.82	121.62	1.0	0.000	0.0	2.16	6.39	216.2	0.0	0.0	0.0
318	TP	31.1	141.9	137.2	1.88	18.39	0.003	0.029	0.05	6.05	6.21	29.71	121.65	1.0	0.000	0.0	2.16	6.42	216.1	0.0	0.0	0.0
319	TP	31.1	141.9	136.8	1.88	18.39	0.003	0.029	0.05	6.05	6.21	29.62	121.72	1.0	0.000	0.0	2.16	6.45	216.1	0.0	0.0	0.0
320	TP	31.1	141.2	137.2	1.88	18.39	0.003	0.029	0.05	6.05	6.22	29.51	121.78	1.0	0.000	0.0	2.16	6.25	216.0	0.0	0.0	0.0
321	TP	31.1	143.1	137.1	1.88	18.39	0.003	0.029	0.05	6.05	6.22	29.45	121.86	1.0	0.000	0.0	2.16	6.40	215.9	0.0	0.0	0.0
322	TP	31.1	144.0	136.7	1.88	18.39	0.003	0.030	0.05	6.05	6.22	29.47	121.88	1.0	0.000	0.0	2.16	6.57	215.9	0.0	0.0	0.0
323	TP	31.1	146.3	135.7	1.88	18.39	0.003	0.030	0.05	6.04	6.22	29.56	121.88	1.0	0.000	0.0	2.16	6.50	215.8	0.0	0.0	0.0
324	TP	31.0	145.1	136.3	1.87	18.39	0.003	0.030	0.05	6.04	6.22	29.55	122.01	1.0	0.000	0.0	2.16	6.44	215.7	0.0	0.0	0.0
325	TP	31.1	143.9	136.7	1.87	18.40	0.003	0.029	0.05	6.03	6.22	29.56	122.16	1.0	0.000	0.0	2.15	6.40	215.7	0.0	0.0	0.0
326	TP	31.0	141.8	137.4	1.87	18.40	0.003	0.029	0.05	6.03	6.22	29.57	122.19	1.0	0.000	0.0	2.15	6.37	215.7	0.0	0.0	0.0
327	TP	31.0	141.0	136.6	1.87	18.40	0.003	0.029	0.05	6.03	6.22	29.57	122.18	1.0	0.000	0.0	2.15	6.45	215.6	0.0	0.0	0.0
328	TP	31.0	146.4	136.0	1.87	18.40	0.003	0.030	0.05	6.03	6.22	29.53	122.17	1.0	0.000	0.0	2.15	6.58	215.6	0.0	0.0	0.0
329	TP	31.0	145.6	136.1	1.87	18.40	0.003	0.030	0.05	6.04	6.22	29.46	122.22	1.0	0.000	0.0	2.15	6.54	215.6	0.0	0.0	0.0
330	TP	31.0	149.3	135.9	1.87	18.40	0.003	0.031	0.05	6.03	6.22	29.48	122.27	1.0	0.000	0.0	2.15	6.50	215.6	0.0	0.0	0.0
331	TP	31.0	147.9	135.5	1.87	18.40	0.003	0.030	0.05	6.03	6.22	29.49	122.28	1.0	0.000	0.0	2.15	6.59	215.5	0.0	0.0	0.0
332	TP	31.1	146.3	135.4	1.87	18.40	0.003	0.030	0.05	6.03	6.22	29.51	122.29	1.0	0.000	0.0	2.15	6.44	215.5	0.0	0.0	0.0
333	TP	31.1	147.7	136.5	1.87	18.40	0.003	0.030	0.05	6.03	6.22	29.54	122.28	1.0	0.000	0.0	2.15	6.35	215.5	0.0	0.0	0.0
334	TP	31.1	148.2	136.5	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.53	122.39	1.0	0.000	0.0	2.15	6.32	215.5	0.0	0.0	0.0
335	TP	31.1	147.8	136.6	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.58	122.40	0.1	0.000	0.0	2.15	6.39	215.5	0.0	0.0	0.0
336	TP	31.1	148.0	136.2	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.54	122.40	0.0	0.000	0.0	2.15	6.46	215.5	0.0	0.0	0.0
337	TP	31.1	147.1	136.4	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.51	122.40	0.0	0.000	0.0	2.15	6.53	215.5	0.0	0.0	0.0
338	TP	31.1	153.0	136.4	1.87	18.40	0.003	0.031	0.05	6.03	6.22	29.49	122.34	0.0	0.000	0.0	2.15	6.45	215.5	0.0	0.0	0.0
339	TP	31.1	150.3	137.2	1.87	18.40	0.003	0.031	0.05	6.02	6.22	29.51	122.38	0.0	0.000	0.0	2.15	6.40	215.4	0.0	0.0	0.0
340	TP	31.2	145.7	137.0	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.55	122.41	0.0	0.000	0.0	2.15	6.38	215.4	0.0	0.0	0.0

341 TP	31.2	144.6	136.5	1.87	18.40	0.003	0.030	0.05	6.03	6.23	29.63	122.42	0.0	0.000	0.0	2.15	6.49	215.4	0.0	0.0	0.0
342 TP	31.2	145.9	136.2	1.87	18.40	0.003	0.030	0.05	6.02	6.21	29.66	122.41	0.0	0.000	0.0	2.15	6.44	215.4	0.0	0.0	0.0
343 TP	31.2	146.7	136.2	1.87	18.40	0.003	0.030	0.05	6.02	6.22	29.57	122.43	0.0	0.000	0.0	2.15	6.43	215.4	0.0	0.0	0.0
344 TP	31.2	146.1	136.3	1.87	18.40	0.003	0.030	0.05	6.01	6.22	29.56	122.53	0.0	0.000	0.0	2.15	6.45	215.4	0.0	0.0	0.0
345 TP	31.2	140.9	136.0	1.87	18.40	0.003	0.029	0.05	6.01	6.22	29.58	122.56	0.0	0.000	0.0	2.15	6.54	215.3	0.0	0.0	0.0
346 TP	31.2	138.6	136.2	1.87	18.40	0.003	0.028	0.05	6.01	6.22	29.59	122.58	0.0	0.000	0.0	2.15	6.48	215.3	0.0	0.0	0.0
347 TP	31.2	140.4	135.3	1.87	18.41	0.003	0.029	0.05	6.01	6.22	29.60	122.58	0.0	0.000	0.0	2.15	6.39	215.3	0.0	0.0	0.0
348 TP	31.2	138.2	135.5	1.87	18.41	0.003	0.028	0.05	6.00	6.21	29.66	122.72	0.0	0.000	0.0	2.14	6.41	215.3	0.0	0.0	0.0
349 TP	31.2	139.4	135.5	1.86	18.42	0.003	0.029	0.05	6.00	6.21	29.68	122.77	0.0	0.000	0.0	2.14	6.35	215.3	0.0	0.0	0.0
350 TP	31.2	143.1	135.2	1.86	18.42	0.003	0.029	0.05	6.00	6.20	29.83	122.74	0.0	0.000	0.0	2.14	6.39	215.3	0.0	0.0	0.0
351 TP	31.1	142.4	134.9	1.86	18.42	0.003	0.029	0.05	5.99	6.20	29.90	122.75	0.0	0.000	0.0	2.14	6.48	215.2	0.0	0.0	0.0
352 TP	31.1	141.7	135.0	1.86	18.41	0.003	0.029	0.05	5.99	6.20	29.87	122.72	0.0	0.000	0.0	2.14	6.45	215.2	0.0	0.0	0.0
353 TP	31.1	140.4	134.9	1.86	18.41	0.003	0.029	0.05	5.99	6.20	29.93	122.73	0.0	0.000	0.0	2.14	6.49	215.2	0.0	0.0	0.0
354 TP	31.1	142.7	134.5	1.86	18.42	0.003	0.029	0.05	5.99	6.20	29.92	122.75	0.0	0.000	0.0	2.14	6.44	215.2	0.0	0.0	0.0
355 TP	31.1	147.4	134.6	1.86	18.41	0.003	0.030	0.05	5.99	6.20	29.86	122.76	0.0	0.000	0.0	2.14	6.44	215.2	0.0	0.0	0.0
356 TP	31.1	147.1	134.1	1.86	18.40	0.003	0.030	0.05	5.99	6.20	29.84	122.76	0.0	0.000	0.0	2.14	6.49	215.1	0.0	0.0	0.0
357 TP	31.1	145.4	133.6	1.86	18.40	0.003	0.030	0.04	5.99	6.21	29.78	122.75	0.0	0.000	0.0	2.14	6.53	215.0	0.0	0.0	0.0

Test #: 1052 SS - Full Power

Date: 5/9/94

Test cycle results

CO (g/mi) =	5.69
CO2 (g/mi) =	1687.97
NOx (g/mi) =	38.24

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
08:25:21	379.85	7.20	1551.16	1781.44	820.51	72.70	1678.48							
08:25:22	379.85	7.19	1551.16	1782.66	803.42	72.46	1678.48							
08:25:23	379.85	7.19	1551.65	1799.76	816.85	72.70	1679.49							
08:25:24	379.85	7.19	1550.67	1802.20	813.19	72.46	1679.49	339.4898	373.8735	50.7733	0.0778	0.5216	23.1685	0.0141
08:25:25	379.85	7.18	1551.16	1768.01	800.98	72.46	1679.49	337.4188	371.5167	50.5471	0.1550	1.0398	46.1411	0.0281
08:25:26	379.98	7.18	1551.16	1739.93	805.86	72.70	1679.49	341.4015	375.9019	50.5471	0.2332	1.5644	69.3848	0.0422
08:25:27	379.85	7.20	1551.16	1749.69	821.73	72.46	1679.49	341.2422	375.7265	50.5471	0.3113	2.0884	92.6176	0.0562
08:25:28	379.85	7.20	1550.67	1779.00	838.83	72.46	1679.49	335.1884	369.0043	50.6602	0.3881	2.6031	115.3977	0.0703
08:25:29	379.85	7.20	1551.16	1782.66	852.26	72.70	1679.49	332.1615	365.6721	50.6602	0.4641	3.1132	137.9720	0.0844
08:25:30	379.85	7.20	1551.16	1793.65	852.26	72.46	1679.49	335.5070	369.4496	50.6602	0.5410	3.6286	160.8415	0.0984
08:25:31	379.85	7.18	1564.83	1815.63	837.61	72.94	1679.49	341.5608	376.1158	50.6602	0.6192	4.1531	184.1237	0.1125
08:25:32	385.47	7.20	1564.83	1794.87	887.67	72.46	1679.49	343.7912	378.5718	50.5471	0.6979	4.6813	207.5580	0.1266
08:25:33	385.47	7.18	1564.83	1807.08	884.00	72.22	1679.49	345.2250	380.1506	50.7733	0.7770	5.2116	231.0899	0.1407
08:25:34	385.47	7.20	1565.32	1830.28	810.74	72.46	1679.49	346.1808	381.1252	50.7733	0.8563	5.7479	254.6310	0.1548
08:25:35	385.47	7.20	1564.83	1825.40	786.32	71.98	1679.49	350.0043	385.4174	50.7733	0.9376	6.2903	278.4890	0.1689
08:25:36	385.35	7.20	1564.83	1830.28	758.24	72.94	1677.46	351.1194	386.5861	50.7733	1.0192	6.8344	302.3804	0.1830
08:25:37	385.47	7.18	1564.83	1837.61	732.60	72.22	1678.48	344.5877	379.4528	50.6602	1.0993	7.3685	325.8691	0.1970
08:25:38	385.47	7.17	1565.81	1814.41	724.05	71.98	1676.95	340.7643	375.2425	50.5471	1.1785	7.8966	349.0973	0.2111
08:25:39	385.47	7.18	1564.83	1815.63	713.06	71.73	1678.98	337.7374	371.9093	50.5471	1.2569	8.4200	372.1191	0.2251
08:25:40	385.59	7.20	1564.83	1803.42	722.83	72.70	1678.98	335.3477	369.2212	50.6602	1.3348	8.9396	394.9373	0.2392
08:25:41	385.47	7.18	1573.14	1810.74	731.38	71.98	1677.97	331.2057	364.6048	50.6602	1.4118	9.4531	417.4335	0.2533
08:25:42	389.38	7.20	1573.14	1822.95	742.37	71.98	1677.97	329.9312	363.2576	50.6602	1.4885	9.9643	439.8831	0.2673
08:25:43	389.62	7.18	1573.14	1821.73	765.57	71.98	1678.98	329.6125	362.9811	50.6602	1.5651	10.4751	462.3645	0.2814
08:25:44	389.38	7.20	1573.14	1811.96	782.66	71.98	1678.98	331.6836	365.1683	50.6602	1.6422	10.9917	484.9199	0.2955
08:25:45	389.38	7.18	1573.14	1824.18	783.88	72.70	1678.98	334.7105	368.6165	50.6602	1.7207	11.5132	507.7627	0.3096
08:25:46	389.38	7.20	1573.63	1832.72	764.35	71.98	1678.98	337.5781	371.6797	50.6602	1.8000	12.0391	530.7328	0.3236
08:25:47	389.38	7.19	1573.14	1822.95	749.69	72.46	1678.98	338.5339	372.8082	50.8864	1.8795	12.5665	553.8228	0.3378
08:25:48	389.50	7.20	1573.14	1846.15	749.69	71.98	1681.02	340.2863	374.6614	50.6602	1.9594	13.0966	576.9772	0.3518
08:25:49	389.38	7.21	1573.14	1832.72	754.58	72.22	1681.02	338.8525	373.1591	50.6602	2.0389	13.6247	600.0889	0.3659
08:25:50	389.38	7.21	1573.14	1810.74	744.81	71.73	1681.02	335.6663	369.5936	50.6602	2.1177	14.1476	622.9426	0.3800
08:25:51	386.45	7.22	1580.95	1798.53	738.71	71.98	1680.00	338.6932	372.9838	50.6602	2.1973	14.6753	646.0434	0.3941
08:25:52	386.57	7.20	1580.95	1805.86	761.90	71.73	1680.00	337.5781	371.8127	50.7733	2.2765	15.2013	669.1092	0.4082
08:25:53	386.45	7.22	1579.97	1819.29	765.57	71.73	1678.98	333.4360	367.2506	50.6602	2.3548	15.7209	691.8920	0.4222
08:25:54	386.57	7.20	1580.95	1836.39	783.88	71.98	1680.00	331.0464	364.6726	50.6602	2.4320	16.2394	714.5516	0.4363
08:25:55	386.57	7.22	1580.46	1835.16	816.85	72.22	1678.98	335.0291	368.9467	50.6602	2.5101	16.7639	737.4024	0.4504
08:25:56	386.45	7.22	1580.95	1826.62	848.60	71.98	1680.00	337.2594	371.4978	50.6602	2.5887	17.2918	760.4736	0.4644
08:25:57	386.45	7.21	1580.95	1832.72	864.47	72.46	1680.00	341.8794	376.5098	50.6602	2.6683	17.8271	783.8055	0.4785
08:25:58	386.57	7.21	1580.46	1857.14	881.56	72.22	1681.02	346.0215	381.1494	50.6602	2.7490	18.3689	807.4761	0.4926
08:25:59	386.57	7.21	1580.46	1873.02	909.65	72.70	1680.00	349.0484	384.4835	50.6602	2.8304	18.9155	831.3537	0.5067
08:26:00	386.45	7.22	1575.09	1901.10	932.84	71.98	1680.00	351.9160	387.5827	50.7733	2.9124	19.4666	855.3848	0.5208
08:26:01	380.83	7.21	1574.60	1880.34	963.37	72.22	1680.00	357.3325	393.5483	50.6602	2.9957	20.0260	879.7858	0.5348
08:26:02	380.95	7.21	1575.58	1891.33	995.12	72.46	1680.00	363.0677	399.8647	50.6602	3.0803	20.5943	904.5784	0.5489
08:26:03	380.95	7.20	1575.09	1905.98	957.26	72.94	1681.02	369.7587	407.3172	50.6602	3.1665	21.1713	929.8877	0.5630
08:26:04	380.95	7.20	1575.09	1913.31	919.41	72.46	1682.04	371.0332	408.6542	50.5471	3.2517	21.7500	955.2390	0.5770
08:26:05	380.95	7.20	1575.09	1891.33	903.54	72.94	1682.04	376.6090	414.7955	50.6602	3.3382	22.3378	980.9713	0.5911
08:26:06	380.95	7.19	1575.09	1897.44	974.36	72.46	1682.04	373.5821	411.3985	50.6602	3.4240	22.9205	1006.4514	0.6052
08:26:07	380.95	7.19	1575.09	1904.76	953.60	72.70	1682.04	369.5994	407.0126	50.7733	3.5089	23.4971	1031.6598	0.6193
08:26:08	380.95	7.19	1575.09	1881.56	932.84	72.46	1682.04	364.6608	401.5741	50.6602	3.5926	24.0659	1056.5314	0.6333
08:26:09	380.95	7.20	1575.09	1863.25	808.30	72.46	1683.56	374.6973	412.5633	50.6602	3.6787	24.6503	1082.0420	0.6474
08:26:10	380.95	7.18	1568.74	1827.84	774.11	72.70	1683.56	372.9449	410.6338	50.7733	3.7643	25.2320	1107.4334	0.6615
08:26:11	374.60	7.18	1569.23	1811.96	761.90	72.46	1683.56	367.2097	404.3190	50.6602	3.8487	25.8047	1132.4342	0.6756
08:26:12	374.48	7.20	1568.74	1816.85	750.92	72.70	1683.56	348.5704	383.8746	50.7733	3.9287	26.3485	1156.2225	0.6897
08:26:13	374.48	7.20	1568.74	1820.51	741.15	72.94	1683.56	339.4898	373.7786	50.7733	4.0067	26.8758	1179.3224	0.7038
08:26:14	374.48	7.18	1569.23	1824.18	814.41	72.22	1685.09	335.8256	369.7401	50.8864	4.0825	27.3976	1202.1727	0.7179
08:26:15	374.48	7.18	1569.23	1838.83	802.20	72.94	1685.09	335.0291	368.9197	50.8864	4.1582	27.9181	1225.0094	0.7321
08:26:16	374.60	7.16	1568.74	1826.62	771.67	72.94	1684.07	334.2325	368.0425	50.7733	4.2336	28.4373	1247.7919	0.7462
08:26:17	374.48	7.17	1569.23	1808.30	744.81	72.22	1685.09	344.2691	378.9974	50.8864	4.3113	28.9722	1271.1888	0.7603
08:26:18	374.48	7.18	1569.23	1789.99	720.39	72.70	1685.09	344.5877	379.3481	50.9995	4.3891	29.5076	1294.6074	0.7745
08:26:19	374.48	7.17	1569.23	1770.45	705.74	72.22	1685.09	339.0118	373.1335	50.8864	4.4656	30.0340	1317.5922	0.7886

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	0.5			

08:26:20	374.48	7.17	1569.23	1776.56	710.62	72.70	1685.09	333.1174	366.7020	50.8864	4.5408	30.5515	1340.2177	0.8027
08:26:21	379.49	7.17	1567.28	1791.21	719.17	72.70	1685.09	327.5415	360.6193	50.8864	4.6148	31.0604	1362.5044	0.8169
08:26:22	379.49	7.17	1567.77	1805.86	715.51	72.22	1687.12	323.0808	355.6172	50.9995	4.6877	31.5623	1384.4221	0.8311
08:26:23	379.36	7.15	1567.28	1844.93	728.94	72.22	1687.12	324.5146	357.1954	50.8864	4.7609	32.0664	1406.4371	0.8452
08:26:24	379.36	7.15	1566.79	1852.26	738.71	72.70	1687.12	327.5415	360.5304	50.7733	4.8358	32.5746	1428.6577	0.8593
08:26:25	379.36	7.15	1567.28	1860.81	759.46	71.98	1687.12	328.9753	362.1086	50.7733	4.9110	33.0851	1450.9755	0.8734
08:26:26	379.36	7.14	1567.28	1857.14	749.69	72.70	1688.14	335.8256	369.5731	50.9995	4.9878	33.6060	1473.7038	0.8876
08:26:27	379.36	7.14	1567.28	1854.70	748.47	72.46	1688.14	338.0560	372.0276	50.9995	5.0651	34.1302	1496.5830	0.9017
08:26:28	379.36	7.14	1567.28	1844.93	765.57	71.98	1686.61	341.8794	376.2353	50.8864	5.1432	34.6606	1519.7209	0.9159
08:26:29	379.36	7.14	1567.28	1829.06	808.30	72.70	1687.63	340.1270	374.2493	50.9995	5.2210	35.1881	1542.6990	0.9300
08:26:30	379.36	7.14	1567.28	1835.16	870.57	72.70	1687.63	339.6491	373.7234	50.9995	5.2986	35.7148	1565.6448	0.9442
08:26:31	371.67	7.12	1562.88	1844.93	868.13	72.46	1687.63	340.6049	374.7751	50.8864	5.3764	36.2431	1588.6552	0.9583
08:26:32	371.67	7.12	1562.88	1847.37	813.19	72.70	1687.63	344.1098	378.6316	50.7733	5.4551	36.7768	1611.9024	0.9724
08:26:33	371.67	7.11	1562.88	1864.47	796.09	72.70	1688.65	353.0311	388.4480	50.9995	5.5357	37.3243	1635.7523	0.9866
08:26:34	371.67	7.11	1562.39	1882.78	799.76	72.70	1688.65	353.9870	389.4145	50.9995	5.6150	37.8716	1659.6092	1.0008
08:26:35	371.67	7.11	1562.88	1876.68	808.30	72.70	1688.65	347.1367	381.8786	50.9995	5.6927	38.4084	1683.0044	1.0149
08:26:36	371.55	7.11	1563.37	1894.99	842.49	72.70	1688.65	347.1367	381.8004	50.8864	5.7704	38.9450	1706.3436	1.0291
08:26:37	371.67	7.11	1562.88	1892.55	860.81	72.70	1687.63	350.0042	384.9544	50.8864	5.8487	39.4859	1729.8755	1.0432
08:26:38	371.55	7.09	1563.37	1903.54	854.70	72.94	1687.63	350.3229	385.3048	50.8864	5.9271	40.0275	1753.4289	1.0573
08:26:39	371.55	7.09	1563.86	1873.02	802.20	72.70	1687.63	357.1732	392.8391	50.9995	6.0070	40.5798	1777.4428	1.0715
08:26:40	371.67	7.08	1562.88	1958.48	1217.34	72.94	1687.63	359.2442	395.1170	50.9995	6.0874	41.1352	1801.5960	1.0857
08:26:41	368.74	7.10	1561.42	2318.68	5000.00	72.94	1686.10	359.8815	395.7570	50.9995	6.1679	41.6916	1825.7484	1.0998
08:26:42	368.74	7.10	1560.93	1907.20	3137.97	72.70	1686.10	349.0484	383.8440	50.8864	6.2460	42.2314	1849.1738	1.1140
08:26:43	368.74	7.09	1560.93	1838.83	1207.57	72.70	1687.12	414.3655	455.6026	50.9995	6.3387	42.8718	1876.9326	1.1281
08:26:44	368.62	7.10	1561.42	1831.50	894.99	72.70	1687.12	954.9049	1050.1987	50.8864	6.5508	44.3465	1941.0951	1.1423
08:26:45	368.74	7.08	1560.44	2642.25	3042.74	72.94	1686.10	658.2693	723.9607	50.8864	6.6969	45.3628	1985.3259	1.1564
08:26:46	368.74	7.10	1560.44	2040.29	2190.48	72.94	1686.10	397.4786	437.0552	50.8864	6.7852	45.9764	2011.9693	1.1705
08:26:47	368.74	7.08	1560.93	2009.77	2091.57	72.46	1686.10	355.7394	391.2200	50.7733	6.8641	46.5257	2035.8580	1.1846
08:26:48	368.74	7.09	1561.42	1885.22	1310.13	72.70	1687.63	741.7479	815.5612	50.8864	7.0288	47.6702	2085.5482	1.1988
08:26:49	368.38	7.09	1560.93	1837.61	849.82	72.70	1686.61	552.0095	607.0967	50.7733	7.1513	48.5222	2122.6391	1.2129
08:26:50	368.74	7.08	1560.93	1848.59	1148.96	72.46	1686.61	535.1227	588.3140	50.9995	7.2701	49.3481	2158.4442	1.2271
08:26:51	369.60	7.08	1558.97	2007.33	1539.68	72.46	1687.63	416.9145	458.4497	50.8864	7.3627	49.9919	2186.4073	1.2412
08:26:52	369.72	7.06	1558.97	1864.47	1045.18	72.70	1687.63	350.6415	385.5739	50.9995	7.4404	50.5331	2209.9253	1.2554
08:26:53	369.60	7.08	1559.46	1835.16	824.18	72.94	1687.63	391.1063	430.0043	50.8864	7.5272	51.1368	2236.1100	1.2695
08:26:54	369.60	7.06	1559.46	1848.59	943.83	72.70	1687.63	462.7959	508.8247	50.8864	7.6302	51.8502	2267.0944	1.2836
08:26:55	369.72	7.07	1558.97	1899.88	2178.27	72.70	1687.63	379.6358	417.3083	50.8864	7.7147	52.4352	2292.4499	1.2978
08:26:56	369.72	7.05	1559.46	1800.98	1057.39	72.70	1687.63	346.9774	381.5066	50.8864	7.7919	52.9703	2315.6942	1.3119
08:26:57	369.60	7.06	1558.97	1808.30	848.60	72.70	1687.63	364.3422	400.4764	50.9995	7.8729	53.5320	2340.0136	1.3261
08:26:58	369.60	7.06	1559.46	1794.87	792.43	72.70	1686.61	532.0957	584.9572	50.9995	7.9913	54.3521	2375.5947	1.3402
08:26:59	369.72	7.06	1559.46	1822.95	793.65	72.94	1686.61	372.9449	409.8905	50.8864	8.0743	54.9269	2400.4583	1.3544
08:27:00	369.60	7.06	1558.97	1842.49	821.73	72.22	1686.61	346.6587	381.0587	50.8864	8.1514	55.4612	2423.6113	1.3685
08:27:01	361.17	7.05	1550.67	1842.49	830.28	72.46	1687.63	337.5781	371.0770	50.7733	8.2265	55.9816	2446.1578	1.3826
08:27:02	361.17	7.05	1550.67	1842.49	849.82	72.94	1687.63	341.4015	375.2799	50.9995	8.3024	56.5080	2468.9597	1.3968
08:27:03	361.17	7.04	1551.16	1851.04	838.83	72.94	1687.63	347.6146	382.1094	50.8864	8.3798	57.0437	2492.1766	1.4109
08:27:04	361.17	7.04	1551.16	1825.40	859.58	72.94	1688.65	348.7298	383.2705	50.8864	8.4556	57.5782	2515.4253	1.4250
08:27:05	361.05	7.04	1551.16	1810.74	862.03	72.46	1688.65	351.2787	386.0719	50.9995	8.5319	58.1166	2538.8441	1.4392
08:27:06	361.17	7.02	1551.16	1815.63	912.09	72.94	1688.65	350.9601	385.6428	50.9995	8.6082	58.6546	2562.1849	1.4534
08:27:07	361.17	7.04	1551.16	1848.59	929.18	72.94	1688.65	350.3229	384.9426	50.9995	8.6843	59.1916	2585.4834	1.4675
08:27:08	361.17	7.04	1550.67	1858.36	923.08	72.70	1688.65	348.7298	383.1920	50.9995	8.7600	59.7261	2608.6760	1.4817
08:27:09	361.17	7.04	1551.16	1863.25	831.50	72.70	1689.66	355.8987	390.9894	50.8864	8.8373	60.2715	2632.2879	1.4958
08:27:10	361.17	7.02	1551.16	1891.33	813.19	72.94	1689.66	362.4304	398.2466	50.9995	8.9161	60.8271	2656.3917	1.5100
08:27:11	362.64	7.04	1543.34	1854.70	819.29	72.94	1688.65	362.9084	398.7718	50.8864	8.9949	61.3832	2680.5272	1.5241
08:27:12	362.76	7.02	1543.83	1849.82	821.73	72.70	1690.17	351.5973	386.3430	50.8864	9.0713	61.9222	2703.9104	1.5383
08:27:13	362.76	7.02	1543.34	1857.14	792.43	72.70	1689.15	352.8718	387.6640	50.8864	9.1480	62.4630	2727.3215	1.5524
08:27:14	362.76	7.01	1542.86	1864.47	754.58	72.94	1689.15	348.8891	383.3681	51.1125	9.2241	62.9951	2750.5247	1.5666
08:27:15	362.64	7.01	1543.34	1855.92	716.73	72.46	1690.17	348.5705	382.9397	50.8864	9.3002	63.5268	2773.6506	1.5807
08:27:16	362.64	7.02	1543.34	1852.26	710.62	72.46	1690.17	345.7029	379.7893	50.8864	9.3756	64.0539	2796.5861	1.5949
08:27:17	362.64	7.02	1542.86	1838.83	732.60	72.46	1688.65	341.7201	375.3562	50.8864	9.4501	64.5747	2819.2162	1.6090
08:27:18	362.64	7.02	1542.86	1831.50	741.15	72.70	1688.65	335.6663	368.7065	51.1125	9.5234	65.0865	2841.4453	1.6232
08:27:19	362.76	7.01	1543.34	1826.62	706.96	72.70	1688.65	334.3919	367.3630	50.9995	9.5963	65.5964	2863.6304	1.6374
08:27:20	362.76	7.01	1543.34	1826.62	693.53	72.46	1688.65	335.5070	368.5881	50.9995	9.6695	66.1078	2885.8896	1.6515
08:27:21	362.76	7.02	1537.00	1820.51	697.19	72.22	1688.65	335.6663	368.7631	51.1125	9.7427	66.6195	2908.1593	1.6657
08:27:22	355.19	7.01	1537.00	1851.04	709.40	72.22	1690.17	330.5684	363.0883	50.8864	9.8148	67.1234	2930.0375	1.6799
08:27:23	355.19	7.01	1536.02	1848.59	711.84	72.46	1689.15	328.8160	361.1634	50.9995	9.8865	67.6247	2951.7997	1.6940
08:27:24	355.19	7.01	1536.51	1844.93	719.17	71.98	1689.15	328.4974	360.8689	50.9995	9.9582	68.1235	2973.5805	1.7082
08:27:25	355.19	7.01	1536.51	1882.78	757.02	72.46	1691.19	334.0732	366.9328	50.9995	10.0296	68.6307	2995.6904	1.7224
08:27:26	355.19	7.01	1536.51	1881.56	747.25	71.98	1691.19	334.0732	366.9328	50.9995	10.1009	69.1376	3017.8003	1.7365

08:27:27	355.19	6.99	1537.00	1887.67	775.34	72.46	1689.15	334.5512	367.4577	51.1125	10.1724	69.6454	3039.9418	1.7507
08:27:28	355.19	6.99	1536.51	1884.00	816.85	71.98	1690.17	344.4284	378.3065	50.9995	10.2459	70.1681	3062.7370	1.7649
08:27:29	355.19	7.01	1536.51	1890.11	826.62	72.46	1691.19	342.9946	376.7317	51.1125	10.3192	70.6887	3085.4373	1.7791
08:27:30	355.31	7.01	1536.51	1912.09	923.08	72.46	1691.19	347.4553	381.5725	51.1125	10.3934	71.2162	3108.3908	1.7933
08:27:31	355.19	6.97	1528.69	1880.34	863.25	72.70	1691.19	352.3939	386.9960	51.1125	10.4687	71.7509	3131.6706	1.8075
08:27:32	362.27	6.97	1528.69	1870.57	819.29	72.70	1690.17	354.4649	389.3302	50.9995	10.5444	72.2889	3155.1300	1.8217
08:27:33	362.27	6.97	1528.69	1852.26	791.21	72.46	1690.17	369.9180	406.3034	51.1125	10.6234	72.8504	3179.6122	1.8359
08:27:34	362.15	6.97	1528.69	1862.03	781.44	72.70	1690.17	357.9697	393.0188	51.1125	10.6998	73.3907	3203.1883	1.8501
08:27:35	362.27	6.97	1528.20	1879.12	793.65	72.46	1690.17	350.9601	385.3278	50.9995	10.7763	73.9204	3226.3030	1.8642
08:27:36	362.27	6.97	1528.69	1887.67	804.64	71.98	1692.20	344.9063	378.6812	50.9995	10.8514	74.4410	3249.0191	1.8784
08:27:37	362.27	6.99	1528.69	1874.24	832.72	72.70	1692.20	344.9063	378.6811	51.1125	10.9265	74.9617	3271.7351	1.8926
08:27:38	362.15	6.97	1528.69	1897.44	956.04	72.70	1691.19	348.7298	382.8790	51.1125	11.0024	75.4879	3294.7029	1.9068
08:27:39	362.27	6.99	1529.18	1910.87	1034.19	72.46	1691.19	351.2787	385.6776	50.9995	11.0789	76.0181	3317.8387	1.9210
08:27:40	362.27	6.96	1528.69	1905.98	1017.09	72.70	1691.19	353.1904	387.8559	51.2256	11.1558	76.5513	3341.1572	1.9352
08:27:41	365.20	6.98	1526.74	1898.66	864.47	72.70	1692.20	372.3077	408.7657	51.1125	11.2369	77.1133	3365.6779	1.9494
08:27:42	365.08	6.98	1526.74	1882.78	804.64	72.22	1693.22	384.2559	421.9489	50.9995	11.3206	77.6936	3391.0319	1.9636
08:27:43	365.08	6.98	1526.74	1875.46	763.13	72.22	1691.70	381.3883	418.6714	51.1125	11.4036	78.2692	3416.1047	1.9778
08:27:44	365.08	6.97	1526.74	1891.33	733.82	72.70	1691.70	360.5187	395.8651	51.1125	11.4828	78.8127	3439.8781	1.9920
08:27:45	365.20	6.97	1527.23	1894.99	710.62	72.22	1691.70	350.6415	385.0194	50.9995	11.5597	79.3414	3463.0002	2.0061
08:27:46	365.20	6.97	1526.74	1887.67	700.85	72.46	1691.70	344.2691	378.0222	51.2256	11.6353	79.8604	3485.7021	2.0203
08:27:47	365.08	6.97	1526.74	1886.45	711.84	72.70	1691.70	342.5167	376.0209	51.1125	11.7104	80.3767	3508.2333	2.0345
08:27:48	365.20	6.95	1527.23	1902.32	724.05	72.46	1693.22	339.9677	373.2227	51.2256	11.7851	80.8893	3530.5968	2.0488
08:27:49	365.20	6.97	1526.74	1919.41	759.46	72.22	1691.70	337.7374	370.7742	51.1125	11.8592	81.3984	3552.8136	2.0630
08:27:50	365.08	6.95	1527.23	1892.55	881.56	71.98	1691.70	339.0118	372.1733	51.1125	11.9336	81.9094	3575.1142	2.0772
08:27:51	357.63	6.97	1524.79	1864.47	754.58	72.22	1691.70	342.6760	376.1381	51.1125	12.0088	82.4260	3597.6145	2.0914
08:27:52	357.63	6.97	1524.30	1852.26	736.26	72.22	1689.66	349.5263	383.7163	50.9995	12.0855	82.9529	3620.6068	2.1055
08:27:53	357.63	6.97	1525.27	1818.07	753.36	71.98	1661.19	361.9525	397.2969	51.2256	12.1649	83.4986	3644.3728	2.1198
08:27:54	357.75	6.95	1524.79	1615.38	747.25	72.22	1601.19	341.7201	375.1606	51.1125	12.2384	84.0130	3666.8650	2.1340
08:27:55	357.51	6.95	1524.79	1284.49	633.70	72.46	1542.71	337.7374	370.7881	50.9995	12.3110	84.5213	3689.0951	2.1481
08:27:56	357.51	6.95	1524.30	826.62	452.99	72.70	1486.78	335.5070	368.3395	50.0948	12.3831	85.0266	3711.1784	2.1620
08:27:57	357.63	6.95	1524.30	633.70	361.42	72.46	1448.64	308.2650	338.3450	48.2855	12.4494	85.4906	3731.4066	2.1755
08:27:58	357.63	6.94	1524.79	511.60	319.90	72.94	1370.85	250.2762	274.6976	46.5893	12.5032	85.8673	3747.8296	2.1884
08:27:59	357.63	6.94	1524.79	462.76	335.78	72.22	1291.53	166.9570	183.2483	44.7800	12.5390	86.1185	3758.7852	2.2008
08:28:00	357.51	6.94	1518.93	421.25	334.55	72.94	1208.14	129.8377	142.5071	43.6492	12.5669	86.3138	3767.3051	2.2130
08:28:01	351.16	6.94	1518.44	326.01	268.62	72.46	1133.90	108.4902	119.0582	41.2745	12.5902	86.4771	3774.4111	2.2244
08:28:02	351.16	6.95	1518.44	282.05	216.12	72.94	1066.78	104.1888	114.3378	38.8998	12.6126	86.6339	3781.2353	2.2352
08:28:03	351.16	6.95	1518.44	244.20	174.60	72.70	1000.68	98.6130	108.2188	36.4120	12.6338	86.7817	3787.6943	2.2453
08:28:04	351.16	6.95	1518.93	207.57	129.43	72.94	904.07	77.5840	85.1404	34.1504	12.6502	86.8980	3792.7759	2.2548
08:28:05	351.16	6.95	1518.44	185.59	109.89	72.46	810.00	64.9985	71.3401	32.1150	12.6639	86.9954	3797.0410	2.2638
08:28:06	351.16	6.92	1518.44	148.96	92.80	72.94	747.97	54.6434	59.9746	30.1926	12.6754	87.0773	3800.6267	2.2721
08:28:07	351.16	6.92	1518.93	128.21	84.25	72.22	714.92	43.9696	48.2595	27.2525	12.6847	87.1432	3803.5119	2.2797
08:28:08	351.16	6.92	1518.93	111.11	74.48	72.46	776.44	38.5530	42.3145	25.3301	12.6928	87.2010	3806.0417	2.2867
08:28:09	351.16	6.92	1518.44	108.67	69.60	72.70	738.31	31.5434	34.6068	22.3900	12.6995	87.2483	3808.1014	2.2930
08:28:10	351.16	6.92	1518.44	107.45	65.93	72.22	678.81	27.7200	30.4120	21.0330	12.7053	87.2898	3809.9114	2.2988
08:28:11	353.72	6.92	1512.09	102.56	63.49	72.46	737.80	24.2151	26.5668	17.9799	12.7104	87.3261	3811.4926	2.3038
08:28:12	353.72	6.92	1512.58	101.34	62.27	72.46	723.05	23.2593	25.5181	16.1706	12.7153	87.3609	3813.0113	2.3083
08:28:13	353.85	6.92	1512.58	98.90	61.05	72.46	699.66	22.6220	24.8190	14.8136	12.7201	87.3948	3814.4885	2.3124
08:28:14	353.85	6.92	1512.58	100.12	62.27	72.46	693.05	21.6662	23.7704	11.3081	12.7247	87.4272	3815.9032	2.3156
08:28:15	353.72	6.91	1512.58	100.12	67.16	72.46	698.64	21.3476	23.4208	9.6119	12.7293	87.4590	3817.2972	2.3182
08:28:16	353.72	6.91	1512.58	109.89	75.70	72.94	687.97	20.8696	22.8965	7.1241	12.7337	87.4902	3818.6599	2.3202
08:28:17	353.85	6.92	1512.58	136.75	79.37	72.70	679.83	21.1882	23.2461	5.5410	12.7382	87.5218	3820.0434	2.3217
08:28:18	353.72	6.92	1512.58	148.96	78.14	72.70	678.81	21.8255	23.9415	3.7317	12.7428	87.5544	3821.4660	2.3228
08:28:19	353.72	6.88	1512.58	155.07	76.92	73.19	677.80	24.2151	26.5628	2.4878	12.7480	87.5905	3823.0442	2.3235
08:28:20	353.72	6.85	1155.55	135.53	75.70	73.19	676.78	28.1979	30.9381	1.0177	12.7540	87.6326	3824.8866	2.3237
08:28:21	328.94	6.83	1156.04	120.88	73.26	72.70	678.81	29.6317	32.5112	0.2262	12.7603	87.6768	3826.8227	2.3238
08:28:22	328.94	6.76	1155.55	118.44	73.26	72.94	728.64	30.2689	33.1900	0.1131	12.7667	87.7219	3828.7858	2.3238
08:28:23	328.94	6.72	1155.55	137.97	78.14	73.19	728.64	27.5606	30.2095	0.1131	12.7725	87.7533	3830.5655	2.3239
08:28:24	328.94	6.61	1155.55	155.07	109.89	72.94	730.68	25.3303	27.7578	0.1131	12.7775	87.7822	3832.1970	2.3239
08:28:25	328.94	6.55	1155.55	170.94	125.76	72.94	730.68	25.0117	27.3834	0.1131	12.7825	87.8107	3833.7900	2.3239
08:28:26	328.94	6.41	1156.04	184.37	156.29	73.67	731.70	28.1979	30.8559	0.1131	12.7880	87.8427	3835.5747	2.3240
08:28:27	328.94	6.30	1155.55	185.59	159.95	73.19	733.22	34.5703	37.7728	0.1131	12.7948	87.8820	3837.7226	2.3240
08:28:28	328.94	6.11	1155.55	179.49	181.93	73.91	732.20	38.7123	42.2639	0.1131	12.8025	87.9259	3840.1031	2.3240
08:28:29	328.82	5.99	1155.55	168.50	181.93	73.43	729.66	44.4475	48.4357	0.0000	12.8112	87.9763	3842.7727	2.3240
08:28:30	328.94	5.83	799.02	161.17	174.60	73.43	731.70	45.0847	49.0621	0.1131	12.8200	88.0272	3845.4324	2.3241
08:28:31	303.91	5.68	799.51	145.30	155.07	74.16	730.68	47.1558	51.1895	0.1131	12.8292	88.0804	3848.1249	2.3241
08:28:32	303.91	5.55	799.02	135.53	157.51	74.16	732.20	45.7220	49.5515	0.1131	12.8381	88.1319	3850.6779	2.3241
08:28:33	303.91	5.44	799.51	126.98	162.39	73.91	732.20	43.8103	47.3821	0.1131	12.8467	88.1660	3853.0555	2.3242

08:28:34	303.91	5.22	799.02	129.43	150.18	74.64	731.19	39.1903	42.2964	0.1131	12.8537	88.1964	3855.1211	2.3242
08:28:35	303.79	5.10	799.51	125.76	135.53	74.16	729.66	38.2344	41.1947	0.1131	12.8606	88.2260	3857.0873	2.3242
08:28:36	303.91	4.88	799.51	125.76	128.21	74.64	730.68	37.7565	40.6191	0.1131	12.8673	88.2552	3858.9864	2.3243
08:28:37	303.79	4.74	799.51	118.44	112.33	74.64	730.68	36.4820	39.1369	0.1131	12.8738	88.2833	3860.7439	2.3243
08:28:38	303.79	4.53	799.02	111.11	95.24	74.16	730.68	34.0924	36.5130	0.1131	12.8799	88.3096	3862.3443	2.3243
08:28:39	303.91	4.39	799.51	107.45	85.47	74.64	730.68	33.1365	35.3887	0.1131	12.8858	88.3350	3863.8300	2.3243
08:28:40	303.91	4.24	552.38	114.77	78.14	74.64	729.15	30.1096	32.0964	0.1131	12.8911	88.3581	3865.1388	2.3244
08:28:41	277.78	4.11	552.87	123.32	72.04	74.16	730.17	26.9234	28.6214	0.1131	12.8959	88.3787	3866.2549	2.3244
08:28:42	277.78	3.91	552.38	122.10	64.71	73.91	728.64	25.1710	26.7073	0.1131	12.9003	88.3979	3867.2631	2.3244
08:28:43	277.78	3.83	552.87	123.32	64.71	73.67	729.66	25.1710	26.6563	0.1131	12.9048	88.4111	3868.2363	2.3245
08:28:44	277.78	3.83	552.87	123.32	64.71	74.40	729.66	25.4896	26.9449	0.1131	12.9089	88.4245	3869.1893	2.3245
08:28:45	277.78	3.69	552.87	108.67	64.71	74.16	729.66	24.3744	25.6981	0.1131	12.9128	88.4373	3870.0542	2.3245
08:28:46	277.78	3.56	552.87	112.33	79.37	74.40	730.68	24.5338	25.8379	0.1131	12.9167	88.4501	3870.9055	2.3246
08:28:47	277.78	3.43	552.87	102.56	70.82	74.40	730.68	24.5338	25.8379	0.1131	12.9206	88.4630	3871.7569	2.3246
08:28:48	277.78	3.37	552.87	97.68	63.49	74.64	729.15	22.6220	23.7813	0.1131	12.9243	88.4748	3872.5125	2.3246
08:28:49	277.78	3.24	552.87	98.90	69.60	73.91	729.15	25.0117	26.2471	0.0000	12.9283	88.4878	3873.3165	2.3246
08:28:50	277.78	3.19	552.87	100.12	69.60	74.40	729.15	22.6220	23.6988	0.0000	12.9319	88.4996	3874.0162	2.3246
08:28:51	253.85	3.14	306.23	98.90	64.71	74.40	729.15	21.0289	22.0104	0.1131	12.9352	88.5106	3874.6534	2.3247
08:28:52	253.85	3.05	306.23	95.24	59.83	74.40	731.19	21.9848	22.9739	0.1131	12.9387	88.5220	3875.2946	2.3247
08:28:53	253.85	3.00	306.23	97.68	62.27	74.40	729.66	22.1441	23.1247	0.0000	12.9422	88.5335	3875.9300	2.3247
08:28:54	253.85	2.94	306.72	105.01	74.48	74.64	730.68	21.3476	22.2745	0.0000	12.9453	88.5396	3876.5307	2.3247
08:28:55	253.85	2.88	306.23	145.30	125.76	74.88	728.14	20.2324	21.0879	0.1131	12.9482	88.5454	3877.0846	2.3247
08:28:56	253.85	2.82	306.23	169.72	155.07	75.13	729.66	20.8696	21.7362	0.1131	12.9513	88.5514	3877.6453	2.3248
08:28:57	253.85	2.78	306.23	177.05	147.74	75.13	729.66	23.4186	24.3733	0.1131	12.9547	88.5581	3878.2626	2.3248
08:28:58	253.85	2.73	306.23	167.28	147.74	75.13	729.66	35.3668	36.7761	0.1131	12.9598	88.5683	3879.1729	2.3248
08:28:59	253.85	2.68	306.23	150.18	129.43	75.13	728.14	42.3765	44.0329	0.0000	12.9659	88.5804	3880.2422	2.3248
08:29:00	253.85	2.62	306.23	131.87	91.58	74.88	729.66	42.3765	44.0054	0.0000	12.9720	88.5925	3881.2931	2.3248
08:29:01	226.86	2.60	248.11	112.33	72.04	74.16	732.71	41.1020	42.6530	0.1131	12.9779	88.6043	3882.2930	2.3248
08:29:02	226.86	2.57	248.60	98.90	58.61	74.88	728.64	36.4820	37.8370	0.1131	12.9832	88.6147	3883.1661	2.3249
08:29:03	226.98	2.51	248.11	89.13	47.62	74.40	728.64	29.1537	30.2129	0.1131	12.9874	88.6230	3883.8480	2.3249
08:29:04	226.98	2.49	248.11	85.47	42.74	73.91	731.70	24.0558	24.9195	0.1131	12.9905	88.6286	3884.4046	2.3249
08:29:05	226.98	2.45	248.11	78.14	39.07	74.40	730.68	20.5510	21.2822	0.1131	12.9931	88.6333	3884.8757	2.3250
08:29:06	226.98	2.41	248.11	79.37	37.85	74.40	731.70	17.8427	18.4621	0.1131	12.9954	88.6374	3885.2744	2.3250
08:29:07	226.98	2.39	248.11	85.47	41.51	74.40	731.70	16.7276	17.3037	0.1131	12.9976	88.6413	3885.6452	2.3250
08:29:08	226.86	2.35	248.60	86.69	50.06	74.16	731.70	15.2938	15.8115	0.0000	12.9995	88.6448	3885.9782	2.3250
08:29:09	226.86	2.31	248.11	90.35	48.84	74.16	732.71	15.2938	15.8041	0.1131	13.0015	88.6484	3886.3062	2.3251
08:29:10	226.86	2.29	248.11	90.35	48.84	74.16	730.68	16.5683	17.1148	0.1131	13.0036	88.6522	3886.6575	2.3251
08:29:11	201.83	2.26	189.50	86.69	46.40	74.16	730.68	17.8427	18.4227	0.0000	13.0059	88.6563	3887.0300	2.3251
08:29:12	201.95	2.23	189.50	86.69	45.18	73.91	730.68	18.1614	18.7419	0.1131	13.0082	88.6605	3887.4026	2.3251
08:29:13	201.95	2.20	189.50	86.69	46.40	74.16	729.15	18.1614	18.7370	0.1131	13.0106	88.6647	3887.7720	2.3252
08:29:14	201.83	2.19	189.50	91.58	50.06	74.16	734.24	17.3648	17.9078	0.1131	13.0125	88.6677	3888.1209	2.3252
08:29:15	201.83	2.16	189.50	94.02	56.17	74.16	730.17	17.2055	17.7361	0.1131	13.0145	88.6707	3888.4616	2.3252
08:29:16	201.95	2.14	189.50	96.46	58.61	74.16	733.22	17.3648	17.8929	0.1131	13.0165	88.6738	3888.8006	2.3253
08:29:17	201.83	2.10	189.50	101.34	63.49	74.16	730.17	18.4800	19.0380	0.1131	13.0186	88.6770	3889.1587	2.3253
08:29:18	201.95	2.07	189.50	103.79	70.82	74.16	731.19	19.5951	20.1795	0.0000	13.0208	88.6805	3889.5335	2.3253
08:29:19	201.95	2.05	189.50	107.45	75.70	74.16	728.64	20.2324	20.8292	0.0000	13.0231	88.6840	3889.9162	2.3253
08:29:20	201.83	2.05	189.50	102.56	69.60	74.16	729.66	21.5069	22.1309	0.1131	13.0256	88.6878	3890.3161	2.3253
08:29:21	187.06	2.01	171.43	96.46	64.71	73.43	731.19	22.7813	23.4337	0.1131	13.0282	88.6918	3890.7340	2.3254
08:29:22	187.06	2.01	171.43	91.58	63.49	73.91	728.14	23.8965	24.5719	0.1131	13.0309	88.6960	3891.1665	2.3254
08:29:23	187.06	1.97	171.43	94.02	75.70	73.91	731.19	22.4627	23.0975	0.0000	13.0334	88.6999	3891.5730	2.3254
08:29:24	187.06	1.97	171.43	101.34	75.70	73.91	728.64	21.0289	21.6114	0.0000	13.0356	88.7032	3891.9461	2.3254
08:29:25	187.06	1.96	171.92	102.56	73.26	73.67	731.19	20.2324	20.7927	0.1131	13.0378	88.7064	3892.3051	2.3254
08:29:26	187.06	1.94	171.43	106.23	89.13	74.16	731.19	22.1441	22.7467	0.1131	13.0401	88.7100	3892.6909	2.3254
08:29:27	187.06	1.94	171.92	114.77	86.69	74.16	730.17	23.1000	23.7286	0.1131	13.0425	88.7136	3893.0933	2.3255
08:29:28	187.06	1.91	171.43	111.11	85.47	74.40	730.17	22.9406	23.5600	0.0000	13.0449	88.7173	3893.4898	2.3255
08:29:29	187.06	1.91	171.43	120.88	84.25	73.91	732.20	25.4896	26.1709	0.0000	13.0476	88.7213	3893.9258	2.3255
08:29:30	187.06	1.90	171.92	123.32	84.25	73.67	732.20	26.2862	26.9888	0.1131	13.0504	88.7255	3894.3754	2.3255
08:29:31	176.92	1.89	155.31	125.76	85.47	74.40	730.17	25.6489	26.3263	0.1131	13.0531	88.7295	3894.8087	2.3255
08:29:32	176.92	1.89	155.31	124.54	83.03	73.67	731.70	26.7641	27.4709	0.1131	13.0559	88.7338	3895.2608	2.3256
08:29:33	176.92	1.89	155.31	120.88	76.92	73.91	730.17	27.0827	27.7921	0.1131	13.0587	88.7381	3895.7145	2.3256
08:29:34	176.92	1.87	155.31	108.67	72.04	73.67	732.20	27.5606	28.2776	0.1131	13.0615	88.7420	3896.1732	2.3256
08:29:35	176.92	1.87	155.31	105.01	68.38	73.67	729.66	27.0827	27.7872	0.1131	13.0642	88.7459	3896.6240	2.3257
08:29:36	176.92	1.85	155.31	102.56	63.49	73.67	727.63	25.8082	26.4796	0.1131	13.0667	88.7496	3897.0536	2.3257
08:29:37	176.92	1.85	155.80	98.90	59.83	74.16	729.66	23.5779	24.1849	0.1131	13.0691	88.7530	3897.4418	2.3257
08:29:38	176.92	1.83	155.31	92.80	57.39	73.43	730.68	22.6220	23.2044	0.1131	13.0713	88.7562	3897.8144	2.3258
08:29:39	176.92	1.83	155.80	90.35	62.27	74.40	729.15	21.6662	22.2182	0.1131	13.0735	88.7593	3898.1674	2.3258
08:29:40	176.92	1.83	155.31	96.46	70.82	73.67	730.17	20.7103	21.2380	0.1131	13.0755	88.7623	3898.5048	2.3258

08:29:41	173.87	1.83	151.89	95.24	67.16	74.16	729.15	19.5951	20.0891	0.0000	13.0775	88.7651	3898.8205	2.3258
08:29:42	173.87	1.81	151.40	91.58	64.71	73.91	730.68	19.9138	20.4158	0.1131	13.0795	88.7679	3899.1415	2.3259
08:29:43	173.87	1.81	151.40	89.13	64.71	73.67	733.73	21.8255	22.3757	0.1131	13.0816	88.7711	3899.4932	2.3259
08:29:44	173.87	1.81	151.40	90.35	65.93	73.67	729.66	21.1882	21.7223	0.1131	13.0837	88.7740	3899.8346	2.3259
08:29:45	173.87	1.81	151.89	86.69	58.61	73.91	730.68	20.3917	20.9002	0.1131	13.0857	88.7769	3900.1596	2.3259
08:29:46	173.87	1.81	151.40	83.03	56.17	73.67	729.66	20.0731	20.5736	0.0000	13.0876	88.7797	3900.4796	2.3259
08:29:47	173.87	1.80	151.40	83.03	54.95	74.16	731.19	20.3917	20.9002	0.0000	13.0896	88.7825	3900.8046	2.3259
08:29:48	173.87	1.80	151.40	83.03	52.50	73.43	732.71	18.9579	19.4306	0.1131	13.0915	88.7852	3901.1068	2.3260
08:29:49	173.75	1.80	151.89	80.59	52.50	73.43	731.19	18.1614	18.6142	0.1131	13.0933	88.7877	3901.3962	2.3260
08:29:50	173.87	1.80	151.40	80.59	56.17	73.91	730.17	18.0020	18.4480	0.1131	13.0950	88.7902	3901.6813	2.3260
08:29:51	172.41	1.78	147.50	78.14	54.95	73.43	730.17	17.6834	18.1215	0.1131	13.0967	88.7927	3901.9612	2.3261
08:29:52	172.41	1.78	147.99	75.70	52.50	73.67	732.20	17.3648	17.7950	0.1131	13.0984	88.7951	3902.2362	2.3261
08:29:53	172.41	1.78	147.50	76.92	51.28	73.19	730.68	17.8427	18.2848	0.1131	13.1002	88.7976	3902.5187	2.3261
08:29:54	172.41	1.78	147.99	83.03	56.17	73.67	731.70	17.3648	17.7922	0.1131	13.1019	88.8000	3902.7918	2.3262
08:29:55	172.41	1.78	147.99	87.91	59.83	73.67	733.22	16.7276	17.1392	0.1131	13.1035	88.8023	3903.0549	2.3262
08:29:56	172.41	1.77	147.99	91.58	62.27	73.91	734.24	16.7276	17.1392	0.0000	13.1051	88.8045	3903.3179	2.3262
08:29:57	172.41	1.77	147.50	91.58	63.49	73.19	732.20	18.1614	18.6083	0.1131	13.1068	88.8070	3903.6036	2.3262
08:29:58	172.41	1.77	147.50	87.91	61.05	73.19	730.68	19.2765	19.7509	0.1131	13.1087	88.8096	3903.9067	2.3263
08:29:59	172.41	1.76	147.50	91.58	64.71	73.19	733.22	20.0731	20.5628	0.1131	13.1107	88.8124	3904.2196	2.3263
08:30:00	172.41	1.76	147.50	97.68	70.82	73.67	731.70	20.2324	20.7260	0.1131	13.1126	88.8151	3904.5350	2.3263
08:30:01	161.78	1.76	145.54	96.46	68.38	73.91	731.70	19.4358	19.9100	0.0000	13.1145	88.8178	3904.8379	2.3263
08:30:02	161.78	1.76	145.54	92.80	62.27	73.43	731.70	20.3917	20.8859	0.1131	13.1165	88.8205	3905.1536	2.3264
08:30:03	161.78	1.76	145.54	87.91	57.39	73.19	731.70	21.9848	22.5176	0.0000	13.1186	88.8235	3905.4939	2.3264
08:30:04	161.78	1.76	145.54	89.13	54.95	73.67	733.22	21.5069	22.0277	0.1131	13.1205	88.8264	3905.8268	2.3264
08:30:05	161.78	1.76	145.54	89.13	52.50	73.43	733.22	20.2324	20.7223	0.1131	13.1224	88.8291	3906.1400	2.3264
08:30:06	161.90	1.76	146.03	87.91	51.28	73.67	729.15	18.9579	19.4170	0.1131	13.1241	88.8317	3906.4335	2.3265
08:30:07	161.90	1.76	145.54	85.47	50.06	73.43	730.68	18.7986	19.2538	0.1131	13.1258	88.8342	3906.7245	2.3265
08:30:08	161.78	1.75	145.54	85.47	48.84	73.43	730.68	18.4800	18.9275	0.1131	13.1275	88.8367	3907.0106	2.3265
08:30:09	161.90	1.76	145.54	85.47	47.62	73.43	733.22	18.1614	18.6012	0.1131	13.1291	88.8391	3907.2917	2.3265
08:30:10	161.90	1.76	145.05	83.03	47.62	73.43	729.15	17.6834	18.1116	0.0000	13.1307	88.8415	3907.5655	2.3265
08:30:11	150.43	1.76	143.10	80.59	47.62	72.70	729.15	17.5241	17.9457	0.1131	13.1323	88.8438	3907.8349	2.3266
08:30:12	150.31	1.76	143.59	80.59	47.62	73.19	730.17	17.3648	17.7853	0.1131	13.1339	88.8462	3908.1037	2.3266
08:30:13	150.43	1.76	143.10	80.59	47.62	72.70	732.20	17.0462	17.4590	0.1131	13.1354	88.8484	3908.3676	2.3266
08:30:14	150.43	1.76	143.10	80.59	47.62	72.70	732.20	16.7276	17.1323	0.1131	13.1369	88.8506	3908.6266	2.3267
08:30:15	150.43	1.75	143.10	80.59	47.62	72.70	730.68	16.7276	17.1323	0.0000	13.1383	88.8528	3908.8855	2.3267
08:30:16	150.43	1.75	143.10	80.59	48.84	72.94	731.70	16.7276	17.1323	0.1131	13.1397	88.8551	3909.1444	2.3267
08:30:17	150.43	1.75	143.59	83.03	50.06	72.70	731.70	16.7276	17.1323	0.0000	13.1411	88.8573	3909.4034	2.3267
08:30:18	150.31	1.75	143.59	85.47	52.50	72.70	731.70	16.7276	17.1296	0.1131	13.1425	88.8595	3909.6606	2.3267
08:30:19	150.43	1.75	143.59	86.69	53.72	72.70	731.70	16.8869	17.2927	0.0000	13.1439	88.8617	3909.9202	2.3267
08:30:20	150.43	1.75	143.10	86.69	54.95	72.94	730.17	17.3648	17.7821	0.1131	13.1454	88.8640	3910.1872	2.3268
08:30:21	149.45	1.75	141.64	89.13	57.39	72.70	732.71	18.0020	18.4347	0.1131	13.1469	88.8664	3910.4639	2.3268
08:30:22	149.45	1.75	141.15	92.80	59.83	72.70	730.68	18.3207	18.7610	0.1131	13.1484	88.8688	3910.7456	2.3268
08:30:23	149.33	1.75	141.64	97.68	62.27	72.46	732.71	18.4800	18.9241	0.0000	13.1500	88.8712	3911.0297	2.3268
08:30:24	149.45	1.75	141.15	100.12	63.49	72.46	731.19	19.1172	19.5766	0.1131	13.1516	88.8737	3911.3236	2.3269
08:30:25	149.45	1.75	141.15	97.68	61.05	73.19	731.19	19.9138	20.3923	0.1131	13.1533	88.8763	3911.6298	2.3269
08:30:26	149.33	1.75	141.64	94.02	61.05	72.94	731.19	20.8696	21.3712	0.1131	13.1550	88.8790	3911.9507	2.3269
08:30:27	149.45	1.75	141.15	92.80	59.83	72.46	731.19	21.3476	21.8606	0.1131	13.1568	88.8818	3912.2789	2.3270
08:30:28	149.33	1.75	141.64	91.58	59.83	72.94	733.73	20.7103	21.2080	0.1131	13.1585	88.8845	3912.5973	2.3270
08:30:29	149.33	1.75	141.64	90.35	61.05	72.46	731.70	20.2324	20.7186	0.0000	13.1602	88.8871	3912.9083	2.3270
08:30:30	149.33	1.75	141.15	90.35	61.05	72.46	733.73	19.9138	20.3923	0.1131	13.1619	88.8897	3913.2145	2.3270
08:30:31	141.03	1.75	139.68	90.35	59.83	72.46	733.73	19.7545	20.2292	0.1131	13.1636	88.8923	3913.5182	2.3270
08:30:32	141.03	1.75	139.68	89.13	58.61	72.46	733.73	19.7545	20.2292	0.1131	13.1652	88.8949	3913.8219	2.3271
08:30:33	141.03	1.75	139.68	89.13	58.61	72.94	732.20	19.7545	20.2292	0.1131	13.1669	88.8974	3914.1256	2.3271
08:30:34	141.03	1.73	139.68	89.13	58.61	72.46	731.19	19.5951	20.0657	0.1131	13.1684	88.9000	3914.4269	2.3271
08:30:35	141.03	1.73	139.68	89.13	59.83	72.94	732.71	19.2765	19.7395	0.1131	13.1699	88.9024	3914.7233	2.3272
08:30:36	141.03	1.73	139.68	89.13	58.61	72.46	732.71	19.2765	19.7395	0.0000	13.1715	88.9049	3915.0196	2.3272
08:30:37	141.03	1.73	139.68	89.13	57.39	72.46	732.71	19.2765	19.7364	0.1131	13.1730	88.9074	3915.3139	2.3272
08:30:38	141.03	1.73	139.68	87.91	57.39	72.22	733.73	19.4358	19.8995	0.1131	13.1745	88.9099	3915.6107	2.3272
08:30:39	141.03	1.73	139.68	87.91	56.17	72.46	732.71	19.2765	19.7364	0.1131	13.1761	88.9124	3915.9050	2.3273
08:30:40	141.03	1.73	139.19	87.91	57.39	72.46	731.70	19.1172	19.5733	0.0000	13.1776	88.9148	3916.1969	2.3273
08:30:41	138.46	1.73	137.73	87.91	57.39	72.70	733.73	18.9579	19.4102	0.0000	13.1791	88.9173	3916.4864	2.3273
08:30:42	138.34	1.73	137.24	90.35	58.61	72.22	733.73	18.7986	19.2470	0.1131	13.1805	88.9197	3916.7734	2.3273
08:30:43	138.46	1.73	137.24	94.02	58.61	72.22	733.73	18.9579	19.4102	0.1131	13.1820	88.9221	3917.0629	2.3273
08:30:44	138.46	1.73	137.73	95.24	58.61	72.22	732.20	18.9579	19.4101	0.1131	13.1835	88.9245	3917.3523	2.3274
08:30:45	138.46	1.73	137.73	94.02	57.39	72.46	731.19	19.4358	19.8994	0.1131	13.1850	88.9270	3917.6491	2.3274
08:30:46	138.46	1.72	137.73	92.80	57.39	72.70	734.75	19.9138	20.3887	0.1131	13.1866	88.9295	3917.9531	2.3274
08:30:47	138.46	1.72	137.24	92.80	58.61	72.22	732.71	20.0731	20.5518	0.0000	13.1881	88.9320	3918.2596	2.3274

08:30:48	138.46	1.72	137.73	92.80	58.61	72.22	732.71	19.7545	20.2256	0.0000	13.1897	88.9346	3918.5612	2.3274
08:30:49	138.46	1.72	137.73	92.80	57.39	71.98	731.70	19.5951	20.0583	0.1131	13.1912	88.9370	3918.8577	2.3275
08:30:50	138.46	1.72	137.24	94.02	57.39	72.22	734.24	19.7545	20.2214	0.1131	13.1927	88.9395	3919.1565	2.3275
08:30:51	135.90	1.73	137.73	97.68	58.61	72.46	734.24	19.7545	20.2214	0.0000	13.1942	88.9420	3919.4554	2.3275
08:30:52	135.90	1.73	137.73	97.68	58.61	71.98	734.24	19.5951	20.0583	0.1131	13.1958	88.9445	3919.7518	2.3275
08:30:53	135.78	1.73	137.73	96.46	57.39	72.22	734.24	19.7545	20.2214	0.0000	13.1973	88.9470	3920.0506	2.3275
08:30:54	135.78	1.73	137.24	97.68	58.61	72.46	734.24	20.3917	20.8780	0.1131	13.1989	88.9496	3920.3620	2.3275
08:30:55	135.90	1.73	137.73	98.90	59.83	71.98	736.78	20.3917	20.8780	0.1131	13.2004	88.9522	3920.6733	2.3276
08:30:56	135.90	1.73	137.24	100.12	61.05	72.22	733.73	20.0731	20.5517	0.0000	13.2019	88.9547	3920.9798	2.3276
08:30:57	135.90	1.72	137.24	98.90	62.27	72.70	732.20	20.3917	20.8779	0.0000	13.2035	88.9573	3921.2912	2.3276
08:30:58	135.78	1.73	137.73	107.45	64.71	72.22	733.73	20.7103	21.2042	0.1131	13.2051	88.9599	3921.6074	2.3276
08:30:59	135.90	1.71	137.73	117.22	64.71	72.46	733.73	21.0289	21.5304	0.1131	13.2067	88.9626	3921.9285	2.3276
08:31:00	135.90	1.73	137.24	117.22	64.71	71.98	733.73	21.0289	21.5259	0.1131	13.2083	88.9653	3922.2466	2.3277
08:31:01	131.99	1.71	135.78	119.66	67.16	72.22	733.73	22.4627	22.9972	0.1131	13.2100	88.9681	3922.5888	2.3277
08:31:02	131.99	1.71	135.29	112.33	65.93	72.22	733.73	23.7372	24.2969	0.1131	13.2118	88.9711	3922.9470	2.3277
08:31:03	131.99	1.71	135.78	106.23	64.71	72.70	736.27	23.7372	24.3020	0.1131	13.2136	88.9741	3923.3086	2.3278
08:31:04	131.99	1.71	135.78	101.34	63.49	72.22	735.25	24.3744	24.9490	0.0000	13.2154	88.9772	3923.6765	2.3278
08:31:05	131.99	1.71	135.29	100.12	63.49	71.98	735.25	23.2593	23.8075	0.1131	13.2171	88.9801	3924.0275	2.3278
08:31:06	131.99	1.73	135.29	98.90	63.49	72.70	733.73	22.3034	22.8291	0.0000	13.2188	88.9828	3924.3641	2.3278
08:31:07	131.99	1.73	135.78	96.46	62.27	72.46	734.75	21.5069	22.0138	0.0000	13.2204	88.9855	3924.6887	2.3278
08:31:08	131.99	1.71	135.78	97.68	61.05	72.70	735.76	21.3476	21.8507	0.1131	13.2219	88.9882	3925.0109	2.3278
08:31:09	131.99	1.71	135.78	98.90	61.05	71.98	733.22	21.1882	21.6922	0.1131	13.2235	88.9908	3925.3337	2.3279
08:31:10	131.99	1.71	135.78	96.46	61.05	72.46	733.22	20.7103	21.2029	0.1131	13.2250	88.9934	3925.6491	2.3279
08:31:11	121.98	1.71	133.33	94.02	61.05	72.46	733.22	20.7103	21.1974	0.1131	13.2266	88.9960	3925.9610	2.3279
08:31:12	121.98	1.71	133.33	96.46	65.93	71.98	733.22	20.8696	21.3604	0.1131	13.2281	88.9986	3926.2752	2.3280
08:31:13	121.98	1.71	133.33	109.89	73.26	72.22	734.24	20.5510	21.0343	0.1131	13.2296	89.0012	3926.5847	2.3280
08:31:14	121.98	1.71	133.33	116.00	75.70	72.70	734.24	20.2324	20.7078	0.1131	13.2310	89.0037	3926.8893	2.3280
08:31:15	121.98	1.71	133.33	125.76	80.59	72.22	735.25	21.1882	21.6861	0.0000	13.2325	89.0063	3927.2083	2.3280
08:31:16	121.98	1.71	133.33	131.87	83.03	72.70	736.27	23.8965	24.4580	0.0000	13.2341	89.0092	3927.5681	2.3280
08:31:17	121.98	1.71	133.33	125.76	80.59	72.70	733.73	25.0117	25.5994	0.1131	13.2358	89.0123	3927.9448	2.3281
08:31:18	121.98	1.71	133.33	114.77	76.92	72.70	732.20	26.9234	27.5561	0.1131	13.2376	89.0156	3928.3501	2.3281
08:31:19	121.98	1.71	133.33	102.56	70.82	72.70	734.75	28.0386	28.6974	0.1131	13.2396	89.0190	3928.7723	2.3281
								26.9234	27.5561	0.1131	13.2414	89.0223	3929.1777	2.3281
								25.0117	25.5994	0.1131	13.2431	89.0254	3929.5543	2.3282
								22.6220	23.1536	0.0000	13.2447	89.0282	3929.8949	2.3282

09-MAY-93 09:23 LACMTA Emissions Testing Facility

Test : UMTA CENTRAL BUSINESS DISTRICT PHASE
Test number : 1053
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	5.5	4.4	15.0	0.15	0.004	0.007	0.04	3.65	48.42	72.76	22.41	0.0	0.000	0.0	1.30	3.19	187.3	0.0	0.0	0.0
1 DL	5.5	4.4	14.9	0.14	0.004	0.007	0.04	3.63	48.41	73.07	22.44	0.0	0.000	0.0	1.29	3.29	187.4	0.0	0.0	0.0
2 DL	5.5	4.4	15.0	0.14	0.004	0.007	0.04	3.62	48.41	73.31	22.46	0.0	0.000	0.0	1.29	3.19	187.4	0.0	0.0	0.0
3 DL	5.5	4.4	15.0	0.14	0.004	0.007	0.04	3.61	48.42	73.43	22.47	0.0	0.000	0.0	1.29	3.28	187.4	0.0	0.0	0.0
4 DL	5.5	4.5	14.9	0.14	0.004	0.007	0.04	3.60	48.41	73.60	22.48	0.0	0.000	0.0	1.28	3.21	187.4	0.0	0.0	0.0
5 DL	5.5	4.4	14.9	0.14	0.004	0.007	0.04	3.59	48.42	73.73	22.49	0.0	0.000	0.0	1.28	3.23	187.4	0.0	0.0	0.0
6 DL	5.5	4.4	15.0	0.14	0.004	0.007	0.04	3.59	48.42	73.79	22.50	0.0	0.000	0.0	1.28	3.42	187.3	0.0	0.0	0.0
7 DL	5.6	4.4	14.9	0.14	0.004	0.007	0.04	3.59	48.42	73.81	22.50	0.0	0.000	0.0	1.28	3.31	187.3	0.0	0.0	0.0
8 DL	5.6	4.4	14.8	0.14	0.004	0.007	0.04	3.58	48.42	73.88	22.50	0.0	0.000	0.0	1.28	3.10	187.3	0.0	0.0	0.0
9 DL	5.6	4.4	14.9	0.14	0.004	0.007	0.04	3.58	48.42	73.88	22.50	0.0	0.000	0.0	1.28	3.06	187.4	0.0	0.0	0.0
10 DL	5.6	4.4	14.9	0.14	0.004	0.007	0.04	3.58	48.42	73.88	22.50	0.0	0.000	0.0	1.28	3.07	187.4	0.0	0.0	0.0
11 DL	5.6	4.4	14.8	0.14	0.004	0.007	0.04	3.58	48.42	73.96	22.51	0.0	0.000	0.0	1.27	3.15	187.4	0.0	0.0	0.0
12 DL	5.6	4.3	14.8	0.14	0.004	0.007	0.04	3.57	48.42	74.01	22.51	0.0	0.000	0.0	1.27	3.14	187.4	0.0	0.0	0.0
13 DL	5.6	4.3	14.9	0.14	0.004	0.007	0.04	3.57	48.42	74.09	22.52	0.0	0.000	0.0	1.27	3.07	187.4	0.0	0.0	0.0
14 DL	5.6	4.3	14.7	0.14	0.004	0.007	0.04	3.56	48.42	74.23	22.53	0.0	0.000	0.0	1.27	3.14	187.4	0.0	0.0	0.0
15 DL	5.6	4.3	14.8	0.14	0.004	0.007	0.04	3.56	48.41	74.32	22.54	0.0	0.000	0.0	1.27	3.16	187.4	0.0	0.0	0.0
16 DL	5.6	4.4	14.8	0.14	0.004	0.007	0.04	3.56	48.42	74.29	22.54	0.0	0.000	0.0	1.27	3.07	187.4	0.0	0.0	0.0
17 DL	5.6	4.4	14.7	0.14	0.004	0.007	0.04	3.56	48.42	74.22	22.53	0.0	0.000	0.0	1.27	3.13	187.5	0.0	0.0	0.0
18 DL	5.6	4.4	14.5	0.14	0.004	0.007	0.04	3.56	48.41	74.19	22.53	0.0	0.000	0.0	1.27	3.24	187.5	0.0	0.0	0.0
19 DL	5.7	5.0	15.2	0.14	0.004	0.008	0.04	3.57	48.42	74.09	22.52	0.0	0.000	0.0	1.27	3.33	187.5	0.0	0.0	0.0
20 DL	6.0	9.9	18.2	0.15	0.005	0.016	0.05	3.70	48.42	71.84	22.33	0.0	0.000	0.7	0.38	3.17	187.4	0.0	0.0	0.0
21 DL	7.0	25.0	25.7	0.17	0.006	0.040	0.07	4.21	48.42	64.46	21.74	0.0	0.001	4.2	2.70	4.15	187.4	0.0	0.0	0.0
22 DL	9.0	54.4	38.4	0.22	0.007	0.087	0.10	5.44	48.43	51.78	20.81	0.0	0.002	5.6	2.78	15.85	187.5	0.0	0.0	0.0
23 DL	11.8	98.2	51.9	0.30	0.009	0.157	0.14	7.51	48.42	38.86	19.94	0.0	0.002	7.4	2.65	20.06	187.6	0.0	0.0	0.0
24 DL	15.9	147.3	69.2	0.41	0.013	0.235	0.18	10.40	48.42	28.86	19.33	0.0	0.003	9.3	2.39	19.81	187.6	0.0	0.0	0.0
25 DL	21.8	180.0	100.8	0.57	0.017	0.287	0.26	14.25	48.42	21.61	18.92	0.0	0.003	11.5	2.18	21.93	187.6	0.0	0.0	0.0
26 DL	27.8	182.8	146.6	0.75	0.022	0.292	0.38	18.88	48.42	16.63	18.65	0.0	0.004	14.4	2.06	26.57	187.6	0.0	0.0	0.0
27 DL	31.3	164.7	182.8	0.94	0.025	0.263	0.48	23.49	48.41	13.55	18.49	0.0	0.005	17.1	2.00	24.00	187.5	0.0	0.0	0.0
28 DL	32.4	138.1	191.7	1.09	0.026	0.220	0.50	27.28	48.38	11.77	18.40	0.0	0.005	19.0	1.94	16.54	187.6	0.0	0.0	0.0
29 DL	30.9	110.7	164.4	1.16	0.024	0.176	0.43	29.19	48.36	11.04	18.37	0.0	0.006	20.3	1.94	10.59	187.7	0.0	0.0	0.0
30 DL	27.6	86.6	119.9	1.11	0.022	0.138	0.31	27.88	48.33	11.57	18.40	0.0	0.006	21.3	2.14	6.45	187.8	0.0	0.0	0.0
31 DL	23.9	66.5	84.8	0.97	0.019	0.106	0.22	24.29	48.34	13.24	18.49	0.0	0.006	20.5	2.37	4.35	187.8	0.0	0.0	0.0
32 DL	20.5	51.4	60.0	0.81	0.016	0.082	0.16	20.18	48.34	15.85	18.63	0.0	0.006	20.2	2.82	3.26	187.8	0.0	0.0	0.0
33 DL	17.9	41.1	41.6	0.66	0.014	0.065	0.11	16.52	48.34	19.16	18.82	0.0	0.006	19.9	3.38	2.93	187.8	0.0	0.0	0.0
34 DL	16.0	33.5	29.1	0.54	0.013	0.053	0.08	13.62	48.34	22.96	19.03	0.0	0.006	20.0	4.11	2.19	187.9	0.0	0.0	0.0
35 DL	14.7	27.3	22.9	0.46	0.012	0.044	0.06	11.43	48.35	27.01	19.27	0.0	0.006	20.0	4.89	1.96	188.0	0.0	0.0	0.0
36 DL	13.9	22.6	20.9	0.39	0.011	0.036	0.05	9.75	48.36	31.22	19.52	0.0	0.006	19.9	5.72	2.07	188.2	0.0	0.0	0.0
37 DL	13.2	19.6	20.8	0.34	0.010	0.031	0.05	8.51	48.35	35.30	19.77	0.0	0.006	19.9	6.57	2.17	188.3	0.0	0.0	0.0
38 DL	12.7	17.7	21.6	0.31	0.010	0.028	0.06	7.77	48.36	38.29	19.96	0.0	0.006	20.0	7.21	2.21	188.5	0.0	0.0	0.0
39 DL	12.3	15.8	23.0	0.29	0.010	0.025	0.06	7.36	48.37	40.17	20.08	0.0	0.006	20.1	7.65	2.36	188.6	0.0	0.0	0.0
40 DL	11.9	14.3	24.3	0.28	0.009	0.023	0.06	7.09	48.38	41.55	20.17	0.0	0.006	20.1	7.96	2.68	188.7	0.0	0.0	0.0
41 DL	11.5	13.4	25.3	0.28	0.009	0.021	0.07	6.90	48.38	42.58	20.24	0.0	0.006	20.2	8.22	2.90	188.7	0.0	0.0	0.0
42 DL	11.1	12.6	25.6	0.27	0.009	0.020	0.07	6.80	48.40	43.12	20.27	0.0	0.006	20.3	8.36	2.91	188.8	0.0	0.0	0.0
43 DL	10.8	11.5	25.3	0.27	0.009	0.018	0.07	6.73	48.40	43.52	20.30	0.0	0.006	20.2	8.42	2.77	188.8	0.0	0.0	0.0
44 DL	10.5	10.4	23.7	0.26	0.008	0.017	0.06	6.59	48.41	44.36	20.35	0.0	0.006	20.1	8.56	2.57	188.8	0.0	0.0	0.0
45 DL	10.3	9.6	21.8	0.25	0.008	0.015	0.06	6.33	48.42	45.99	20.46	0.0	0.006	20.1	8.91	2.26	188.8	0.0	0.0	0.0

46	DL	10.1	9.0	20.8	0.24	0.008	0.014	0.05	6.05	48.42	47.82	20.58	0.0	0.006	20.1	9.32	2.13	188.8	0.0	0.0	0.0
47	DL	9.9	8.3	20.5	0.23	0.008	0.013	0.05	5.86	48.44	49.14	20.67	0.0	0.006	20.1	9.61	2.23	188.9	0.0	0.0	0.0
48	DL	9.7	7.7	20.2	0.23	0.008	0.012	0.05	5.71	48.45	50.25	20.75	0.0	0.006	20.1	9.86	2.26	188.9	0.0	0.0	0.0
49	DL	9.5	7.1	18.9	0.22	0.008	0.011	0.05	5.52	48.46	51.77	20.85	0.0	0.005	19.0	9.74	2.23	189.0	0.0	0.0	0.0
50	DL	9.2	6.9	16.7	0.21	0.007	0.011	0.04	5.24	48.47	54.10	21.02	0.0	0.004	14.4	7.82	2.25	189.0	0.0	0.0	0.0
51	DL	9.0	6.7	13.4	0.19	0.007	0.011	0.04	4.85	48.48	57.75	21.27	0.0	0.003	9.6	5.70	1.86	189.0	0.0	0.0	0.0
52	DL	8.8	6.5	11.9	0.17	0.007	0.010	0.03	4.34	48.48	63.30	21.68	0.0	0.002	5.6	3.72	1.96	189.0	0.0	0.0	0.0
53	DL	8.5	6.2	11.5	0.16	0.007	0.010	0.03	3.92	48.49	68.79	22.10	0.0	0.001	2.4	1.77	2.93	189.0	0.0	0.0	0.0
54	DL	8.2	5.8	11.9	0.15	0.006	0.009	0.03	3.65	48.49	72.69	22.41	0.0	0.000	1.1	0.86	2.81	189.1	0.0	0.0	0.0
55	DL	7.9	5.5	12.9	0.14	0.006	0.009	0.03	3.55	48.50	74.36	22.54	0.0	0.000	0.1	0.12	3.11	189.2	0.0	0.0	0.0
56	DL	7.7	5.2	13.9	0.14	0.006	0.008	0.04	3.53	48.50	74.68	22.57	0.0	0.000	0.0	1.26	2.95	189.2	0.0	0.0	0.0
57	DL	7.5	5.2	14.5	0.14	0.006	0.008	0.04	3.54	48.50	74.49	22.55	0.0	0.000	0.0	1.26	3.08	189.3	0.0	0.0	0.0
58	DL	7.3	5.2	15.0	0.14	0.006	0.008	0.04	3.57	48.51	74.13	22.52	0.0	0.000	0.0	1.27	3.13	189.3	0.0	0.0	0.0
59	DL	7.2	6.0	15.9	0.14	0.006	0.010	0.04	3.61	48.51	73.44	22.47	0.0	0.000	0.0	1.29	3.23	189.4	0.0	0.0	0.0
60	DL	7.3	11.6	19.2	0.15	0.006	0.019	0.05	3.78	48.52	70.66	22.24	0.0	0.000	1.2	0.73	3.32	189.4	0.0	0.0	0.0
61	DL	7.9	24.9	27.3	0.17	0.006	0.040	0.07	4.34	48.52	62.92	21.63	0.0	0.001	4.4	2.77	4.52	189.4	0.0	0.0	0.0
62	DL	8.9	43.0	38.5	0.22	0.007	0.069	0.10	5.61	48.52	50.70	20.74	0.0	0.002	5.7	2.76	14.55	189.5	0.0	0.0	0.0
63	DL	10.2	68.1	49.7	0.29	0.008	0.109	0.13	7.39	48.52	39.74	20.02	0.0	0.002	7.3	2.68	17.34	189.6	0.0	0.0	0.0
64	DL	12.0	103.2	61.7	0.38	0.010	0.165	0.16	9.57	48.52	31.39	19.50	0.0	0.002	8.9	2.52	14.75	189.6	0.0	0.0	0.0
65	DL	14.8	135.1	81.1	0.50	0.012	0.216	0.21	12.47	48.52	24.61	19.10	0.0	0.003	10.8	2.35	14.47	189.6	0.0	0.0	0.0
66	DL	18.3	144.2	111.6	0.65	0.015	0.231	0.29	16.22	48.52	19.30	18.80	0.0	0.004	12.9	2.16	16.23	189.5	0.0	0.0	0.0
67	DL	20.8	134.1	137.9	0.79	0.016	0.214	0.36	19.94	48.50	15.89	18.62	0.0	0.004	15.6	2.17	16.57	189.4	0.0	0.0	0.0
68	DL	22.8	119.5	153.2	0.91	0.018	0.191	0.40	22.80	48.49	14.01	18.52	0.0	0.005	17.2	2.09	9.59	189.6	0.0	0.0	0.0
69	DL	24.5	103.0	157.9	1.00	0.019	0.165	0.41	25.15	48.48	12.78	18.46	0.0	0.005	18.9	2.09	7.52	189.8	0.0	0.0	0.0
70	DL	24.6	84.2	136.1	1.05	0.019	0.134	0.36	26.44	48.46	12.20	18.43	0.0	0.006	20.2	2.13	8.61	189.9	0.0	0.0	0.0
71	DL	22.8	65.8	94.9	1.00	0.018	0.105	0.25	24.99	48.44	12.91	18.47	0.0	0.006	20.5	2.31	5.96	190.0	0.0	0.0	0.0
72	DL	20.5	50.4	58.9	0.85	0.016	0.081	0.15	21.27	48.44	15.11	18.59	0.0	0.005	19.1	2.52	3.70	189.9	0.0	0.0	0.0
73	DL	18.4	38.8	36.8	0.68	0.015	0.062	0.10	16.99	48.45	18.73	18.79	0.0	0.005	19.5	3.22	2.59	189.9	0.0	0.0	0.0
74	DL	16.8	31.3	28.2	0.54	0.013	0.050	0.07	13.46	48.46	23.29	19.05	0.0	0.005	19.6	4.08	2.21	190.0	0.0	0.0	0.0
75	DL	15.5	26.6	26.7	0.45	0.012	0.042	0.07	11.28	48.47	27.39	19.29	0.0	0.005	19.7	4.90	2.46	190.1	0.0	0.0	0.0
76	DL	14.5	23.0	27.9	0.40	0.012	0.037	0.07	10.05	48.47	30.41	19.47	0.0	0.006	19.9	5.55	2.91	190.1	0.0	0.0	0.0
77	DL	13.8	20.2	29.4	0.37	0.011	0.032	0.08	9.28	48.48	32.70	19.61	0.0	0.006	20.1	6.05	3.44	190.2	0.0	0.0	0.0
78	DL	13.3	18.4	30.2	0.35	0.011	0.029	0.08	8.72	48.49	34.61	19.73	0.0	0.006	20.2	6.48	3.62	190.3	0.0	0.0	0.0
79	DL	12.9	16.9	29.9	0.33	0.010	0.027	0.08	8.33	48.48	36.06	19.82	0.0	0.006	20.2	6.79	3.63	190.4	0.0	0.0	0.0
80	DL	12.5	15.2	28.2	0.32	0.010	0.024	0.07	8.04	48.48	37.26	19.90	0.0	0.006	20.0	7.00	3.37	190.5	0.0	0.0	0.0
81	DL	12.2	13.3	26.0	0.30	0.010	0.021	0.07	7.65	48.49	38.94	20.00	0.0	0.006	20.1	7.38	2.72	190.5	0.0	0.0	0.0
82	DL	12.0	12.0	24.7	0.29	0.009	0.019	0.07	7.19	48.49	41.12	20.14	0.0	0.006	20.1	7.85	2.53	190.5	0.0	0.0	0.0
83	DL	11.7	11.0	23.7	0.27	0.009	0.018	0.06	6.82	48.48	43.10	20.27	0.0	0.006	20.1	8.26	2.50	190.5	0.0	0.0	0.0
84	DL	11.5	10.3	22.8	0.26	0.009	0.016	0.06	6.57	48.49	44.53	20.36	0.0	0.006	20.1	8.57	2.33	190.6	0.0	0.0	0.0
85	DL	11.3	9.3	22.0	0.25	0.009	0.015	0.06	6.39	48.50	45.62	20.44	0.0	0.006	20.1	8.81	2.18	190.5	0.0	0.0	0.0
86	DL	11.2	8.5	21.9	0.25	0.009	0.014	0.06	6.16	48.49	47.13	20.54	0.0	0.006	20.1	9.15	2.20	190.5	0.0	0.0	0.0
87	DL	11.0	8.1	21.7	0.24	0.009	0.013	0.06	5.95	48.49	48.56	20.63	0.0	0.006	20.0	9.46	2.25	190.5	0.0	0.0	0.0
88	DL	10.9	7.7	21.2	0.23	0.009	0.012	0.06	5.81	48.49	49.55	20.70	0.0	0.006	20.1	9.68	2.29	190.5	0.0	0.0	0.0
89	DL	10.7	7.1	19.6	0.23	0.008	0.011	0.05	5.66	48.49	50.68	20.78	0.0	0.005	18.4	9.24	2.32	190.5	0.0	0.0	0.0
90	DL	10.3	6.7	17.5	0.21	0.008	0.011	0.05	5.36	48.50	53.10	20.95	0.0	0.004	13.2	7.01	2.19	190.6	0.0	0.0	0.0
91	DL	10.1	6.7	14.7	0.20	0.008	0.011	0.04	4.93	48.49	56.98	21.22	0.0	0.003	9.0	5.20	1.94	190.5	0.0	0.0	0.0
92	DL	9.9	6.6	13.2	0.18	0.008	0.010	0.03	4.47	48.50	61.75	21.56	0.0	0.002	5.6	3.63	2.56	190.6	0.0	0.0	0.0
94	DL	9.6	6.2	12.2	0.16	0.008	0.010	0.03	4.13	48.50	65.94	21.88	0.0	0.001	2.6	2.02	2.73	158.7	0.0	0.0	0.0
94	DL	9.3	5.7	12.2	0.15	0.007	0.009	0.03	3.85	48.50	69.68	22.17	0.0	0.000	1.6	1.07	2.60	190.6	0.0	0.0	0.0
95	DL	9.0	5.4	12.8	0.15	0.007	0.009	0.03	3.66	48.50	72.53	22.39	0.0	0.000	0.3	0.26	2.71	190.7	0.0	0.0	0.0
96	DL	8.8	5.2	13.7	0.14	0.007	0.008	0.04	3.58	48.51	73.87	22.50	0.0	0.000	0.0	0.04	2.99	190.7	0.0	0.0	0.0
97	DL	8.6	5.2	14.7	0.14	0.007	0.008	0.04	3.58	48.51	73.86	22.50	0.0	0.000	0.0	0.01	3.00	190.8	0.0	0.0	0.0
98	DL	8.4	5.0	15.3	0.14	0.007	0.008	0.04	3.61	48.50	73.32	22.46	0.0	0.000	0.0	1.29	3.03	190.8	0.0	0.0	0.0
99	DL	8.2	5.5	16.2	0.14	0.007	0.009	0.04	3.64	48.51	72.91	22.42	0.0	0.000	0.0	1.30	3.00	190.8	0.0	0.0	0.0
100	DL	8.3	9.6	19.3	0.15	0.007	0.015	0.05	3.78	48.51	70.68	22.24	0.0	0.000	1.1	0.70	3.10	190.8	0.0	0.0	0.0
101	DL	8.9	20.0	27.0	0.17	0.007	0.032	0.07	4.27	48.50	63.84	21.70	0.0	0.001	4.2	2.73	3.89	190.9	0.0	0.0	0.0
102	DL	9.8	36.6	38.0	0.22	0.008	0.058	0.10	5.41	48.51	52.33	20.86	0.0	0.002	5.6	2.82	10.47	190.9	0.0	0.0	0.0
103	DL	11.0	59.6	48.8	0.29	0.009	0.095	0.13	7.21	48.51	40.71	20.08	0.0	0.002	7.2	2.71	14.34	190.9	0.0	0.0	0.0
104	DL	12.6	87.1	60.1	0.38	0.010	0.139	0.16	9.48	48.51	31.74	19.52	0.0	0.002	8.8	2.52	12.94	190.8	0.0	0.0	0.0

105	DL	14.8	112.8	77.2	0.48	0.012	0.180	0.20	12.06	48.51	25.43	19.15	0.0	0.003	10.5	2.39	13.18	190.6	0.0	0.0	0.0
106	DL	17.6	123.0	104.7	0.61	0.014	0.197	0.28	15.27	48.51	20.45	18.87	0.0	0.003	12.3	2.21	14.95	190.6	0.0	0.0	0.0
107	DL	19.8	118.7	129.1	0.76	0.016	0.190	0.34	19.03	48.49	16.65	18.66	0.0	0.004	15.1	2.17	13.91	190.8	0.0	0.0	0.0
108	DL	21.5	117.9	140.6	0.88	0.017	0.188	0.37	22.04	48.47	14.47	18.55	0.0	0.005	16.5	2.08	9.18	191.0	0.0	0.0	0.0
109	DL	23.6	113.4	160.0	0.97	0.019	0.181	0.42	24.45	48.48	13.12	18.48	0.0	0.005	18.5	2.09	6.79	191.3	0.0	0.0	0.0
110	DL	24.4	96.0	152.8	1.05	0.019	0.153	0.40	26.49	48.46	12.16	18.43	0.0	0.006	20.2	2.13	8.06	191.5	0.0	0.0	0.0
111	DL	23.4	74.9	116.0	1.04	0.018	0.119	0.30	25.99	48.41	12.41	18.45	0.0	0.006	21.1	2.27	6.09	191.6	0.0	0.0	0.0
112	DL	21.4	57.4	81.5	0.91	0.017	0.092	0.21	22.88	48.42	14.06	18.53	0.0	0.006	20.4	2.51	3.90	191.6	0.0	0.0	0.0
113	DL	19.3	45.5	58.7	0.76	0.015	0.073	0.15	19.10	48.42	16.72	18.68	0.0	0.006	20.5	3.01	2.68	191.7	0.0	0.0	0.0
114	DL	17.6	37.1	42.9	0.64	0.014	0.059	0.11	16.01	48.43	19.75	18.85	0.0	0.006	20.2	3.54	2.48	191.8	0.0	0.0	0.0
115	DL	16.3	30.1	32.2	0.54	0.013	0.048	0.08	13.62	48.44	22.99	19.04	0.0	0.006	20.2	4.16	2.16	191.9	0.0	0.0	0.0
116	DL	15.4	24.4	26.6	0.46	0.012	0.039	0.07	11.63	48.44	26.64	19.25	0.0	0.006	20.2	4.87	2.06	192.0	0.0	0.0	0.0
117	DL	14.7	20.4	23.8	0.40	0.012	0.033	0.06	9.98	48.44	30.64	19.49	0.0	0.006	20.1	5.65	2.04	192.1	0.0	0.0	0.0
118	DL	14.2	18.0	22.1	0.35	0.011	0.029	0.06	8.78	48.45	34.37	19.71	0.0	0.006	20.1	6.40	2.08	192.2	0.0	0.0	0.0
119	DL	13.9	16.0	21.1	0.32	0.011	0.026	0.06	8.01	48.45	37.33	19.90	0.0	0.006	20.0	7.01	2.05	192.3	0.0	0.0	0.0
120	DL	13.6	14.0	20.7	0.30	0.011	0.022	0.05	7.45	48.44	39.83	20.06	0.0	0.006	20.0	7.53	2.00	192.4	0.0	0.0	0.0
121	DL	13.3	12.3	20.4	0.28	0.011	0.020	0.05	6.93	48.45	42.47	20.23	0.0	0.006	20.0	8.08	2.05	192.4	0.0	0.0	0.0
122	DL	13.1	11.3	20.7	0.26	0.010	0.018	0.05	6.49	48.44	44.95	20.39	0.0	0.006	20.0	8.65	2.05	192.5	0.0	0.0	0.0
123	DL	12.8	10.7	21.1	0.25	0.010	0.017	0.06	6.24	48.45	46.52	20.50	0.0	0.006	20.0	9.01	2.23	192.5	0.0	0.0	0.0
124	DL	12.6	10.1	21.7	0.24	0.010	0.016	0.06	6.13	48.45	47.21	20.54	0.0	0.006	20.1	9.16	2.34	192.6	0.0	0.0	0.0
125	DL	12.5	9.3	22.2	0.24	0.010	0.015	0.06	6.06	48.46	47.68	20.57	0.0	0.006	20.1	9.29	2.38	192.5	0.0	0.0	0.0
126	DL	12.3	8.7	22.6	0.24	0.010	0.014	0.06	5.97	48.46	48.36	20.62	0.0	0.006	20.1	9.44	2.46	192.5	0.0	0.0	0.0
127	DL	12.1	8.3	22.3	0.23	0.010	0.013	0.06	5.87	48.46	49.06	20.67	0.0	0.006	20.0	9.55	2.45	192.6	0.0	0.0	0.0
128	DL	11.9	7.7	20.8	0.23	0.009	0.012	0.05	5.76	48.46	49.85	20.72	0.0	0.006	20.0	9.72	2.19	192.6	0.0	0.0	0.0
129	DL	11.6	7.0	18.3	0.22	0.009	0.011	0.05	5.56	48.46	51.40	20.83	0.0	0.005	17.9	9.14	2.00	192.6	0.0	0.0	0.0
130	DL	11.3	6.6	15.3	0.21	0.009	0.011	0.04	5.19	48.46	54.55	21.05	0.0	0.004	13.1	7.19	1.85	192.6	0.0	0.0	0.0
131	DL	11.0	6.7	12.5	0.19	0.009	0.011	0.03	4.66	48.47	59.67	21.41	0.0	0.002	8.4	5.19	1.54	192.6	0.0	0.0	0.0
132	DL	10.8	6.6	11.6	0.17	0.009	0.010	0.03	4.15	48.47	65.50	21.84	0.0	0.001	4.9	3.42	2.68	192.6	0.0	0.0	0.0
133	DL	10.5	6.2	11.4	0.15	0.008	0.010	0.03	3.85	48.46	69.65	22.16	0.0	0.001	2.3	1.72	2.98	192.6	0.0	0.0	0.0
134	DL	10.2	5.8	12.2	0.15	0.008	0.009	0.03	3.67	48.48	72.36	22.38	0.0	0.000	0.9	0.72	2.93	192.6	0.0	0.0	0.0
135	DL	9.9	5.5	13.3	0.14	0.008	0.009	0.03	3.58	48.47	73.79	22.49	0.0	0.000	0.1	0.09	3.34	192.7	0.0	0.0	0.0
136	DL	9.7	5.4	14.3	0.14	0.008	0.009	0.04	3.55	48.48	74.33	22.54	0.0	0.000	0.0	0.02	3.27	192.8	0.0	0.0	0.0
137	DL	9.4	5.3	15.2	0.14	0.007	0.008	0.04	3.58	48.48	73.86	22.50	0.0	0.000	0.0	1.28	3.38	192.8	0.0	0.0	0.0
138	DL	9.2	5.3	15.7	0.14	0.007	0.008	0.04	3.64	48.48	72.92	22.42	0.0	0.000	0.0	1.30	3.39	192.9	0.0	0.0	0.0
139	DL	9.1	5.7	16.3	0.15	0.007	0.009	0.04	3.69	48.48	72.10	22.36	0.0	0.000	0.0	1.32	3.46	192.9	0.0	0.0	0.0
140	DL	9.2	7.9	18.9	0.15	0.007	0.013	0.05	3.82	48.50	70.09	22.20	0.0	0.000	1.0	0.63	3.39	192.9	0.0	0.0	0.0
141	DL	9.6	13.6	25.0	0.17	0.008	0.022	0.07	4.23	48.49	64.44	21.76	0.0	0.001	3.9	2.54	3.90	192.9	0.0	0.0	0.0
142	DL	10.2	23.8	33.8	0.20	0.008	0.038	0.09	5.09	48.49	55.21	21.07	0.0	0.001	5.0	2.70	7.00	193.0	0.0	0.0	0.0
143	DL	11.1	45.2	43.6	0.25	0.009	0.072	0.11	6.37	48.50	45.37	20.39	0.0	0.002	6.5	2.76	9.55	192.9	0.0	0.0	0.0
144	DL	12.3	81.2	54.9	0.33	0.010	0.130	0.14	8.23	48.50	36.02	19.78	0.0	0.002	8.1	2.67	12.43	192.9	0.0	0.0	0.0
145	DL	13.9	121.9	70.9	0.43	0.011	0.195	0.19	10.87	48.50	27.91	19.29	0.0	0.003	9.9	2.47	13.97	192.8	0.0	0.0	0.0
146	DL	16.1	149.8	99.2	0.57	0.013	0.239	0.26	14.32	48.48	21.63	18.93	0.0	0.003	11.7	2.23	14.77	192.6	0.0	0.0	0.0
147	DL	18.7	154.7	141.8	0.74	0.015	0.247	0.37	18.48	48.49	17.06	18.68	0.0	0.004	14.6	2.16	14.00	192.7	0.0	0.0	0.0
148	DL	21.2	140.5	179.7	0.91	0.017	0.224	0.47	22.75	48.47	14.03	18.52	0.0	0.005	17.3	2.09	11.07	192.9	0.0	0.0	0.0
149	DL	23.0	117.5	191.5	1.06	0.018	0.188	0.50	26.54	48.45	12.13	18.43	0.0	0.005	19.2	2.01	8.91	193.2	0.0	0.0	0.0
150	DL	23.7	93.8	168.7	1.14	0.019	0.150	0.44	28.64	48.43	11.28	18.38	0.0	0.006	20.3	1.98	7.38	193.3	0.0	0.0	0.0
151	DL	22.8	74.2	126.5	1.10	0.018	0.118	0.33	27.67	48.39	11.68	18.41	0.0	0.006	21.5	2.18	5.19	193.5	0.0	0.0	0.0
152	DL	21.0	58.3	88.6	0.97	0.017	0.093	0.23	24.30	48.39	13.27	18.49	0.0	0.006	20.7	2.40	3.67	193.5	0.0	0.0	0.0
153	DL	19.0	45.2	60.1	0.81	0.015	0.072	0.16	20.36	48.41	15.74	18.63	0.0	0.006	20.3	2.80	2.69	193.5	0.0	0.0	0.0
154	DL	17.4	35.1	39.8	0.66	0.014	0.056	0.10	16.55	48.42	19.19	18.82	0.0	0.006	20.1	3.41	2.18	193.5	0.0	0.0	0.0
155	DL	16.3	28.4	28.4	0.53	0.013	0.045	0.07	13.28	48.43	23.59	19.07	0.0	0.006	20.1	4.26	1.96	193.5	0.0	0.0	0.0
156	DL	15.4	24.0	22.9	0.44	0.012	0.038	0.06	11.00	48.43	28.03	19.33	0.0	0.006	20.1	5.11	1.94	193.5	0.0	0.0	0.0
157	DL	14.8	20.6	20.8	0.38	0.012	0.033	0.05	9.54	48.43	31.89	19.56	0.0	0.006	20.0	5.87	1.99	193.6	0.0	0.0	0.0
158	DL	14.4	17.4	20.1	0.34	0.011	0.028	0.05	8.51	48.44	35.35	19.77	0.0	0.006	19.9	6.57	2.01	193.7	0.0	0.0	0.0
159	DL	14.1	14.8	19.7	0.30	0.011	0.024	0.05	7.65	48.44	38.91	20.00	0.0	0.006	19.9	7.29	2.11	193.8	0.0	0.0	0.0
160	DL	13.8	13.2	19.3	0.28	0.011	0.021	0.05	6.93	48.45	42.41	20.22	0.0	0.006	19.8	8.02	2.12	193.8	0.0	0.0	0.0
161	DL	13.6	12.0	19.0	0.26	0.011	0.019	0.05	6.46	48.44	45.09	20.40	0.0	0.005	19.8	8.58	2.09	193.9	0.0	0.0	0.0
162	DL	13.3	10.8	19.2	0.25	0.011	0.017	0.05	6.17	48.45	46.96	20.53	0.0	0.006	19.8	9.00	2.16	193.9	0.0	0.0	0.0
163	DL	13.1	9.9	19.9	0.24	0.010	0.016	0.05	5.93	48.44	48.56	20.63	0.0	0.006	19.8	9.37	2.16	193.9	0.0	0.0	0.0

164	DL	12.9	9.4	20.8	0.23	0.010	0.015	0.05	5.77	48.45	49.73	20.71	0.0	0.006	19.9	9.65	2.34	193.9	0.0	0.0	0.0
165	DL	12.8	9.1	21.8	0.23	0.010	0.015	0.06	5.72	48.46	50.14	20.74	0.0	0.006	20.0	9.78	2.54	194.0	0.0	0.0	0.0
166	DL	12.6	8.7	22.6	0.23	0.010	0.014	0.06	5.73	48.45	50.02	20.73	0.0	0.006	20.0	9.78	2.61	194.0	0.0	0.0	0.0
167	DL	12.4	8.4	23.4	0.23	0.010	0.013	0.06	5.76	48.45	49.82	20.72	0.0	0.006	20.1	9.78	2.81	194.0	0.0	0.0	0.0
168	DL	12.3	8.2	23.6	0.23	0.010	0.013	0.06	5.79	48.45	49.61	20.71	0.0	0.006	20.2	9.77	2.86	193.9	0.0	0.0	0.0
169	DL	12.0	7.8	22.1	0.23	0.009	0.013	0.06	5.76	48.45	49.87	20.72	0.0	0.005	18.1	8.93	2.86	193.9	0.0	0.0	0.0
170	DL	11.7	7.5	18.8	0.22	0.009	0.012	0.05	5.53	48.45	51.60	20.84	0.0	0.004	13.2	6.77	2.77	194.0	0.0	0.0	0.0
171	DL	11.4	7.3	14.7	0.20	0.009	0.012	0.04	5.04	48.46	55.92	21.14	0.0	0.003	8.9	5.04	2.16	194.0	0.0	0.0	0.0
172	DL	11.1	7.0	12.6	0.18	0.009	0.011	0.03	4.46	48.46	61.76	21.56	0.0	0.002	5.5	3.53	2.78	193.9	0.0	0.0	0.0
173	DL	10.8	6.4	11.8	0.16	0.009	0.010	0.03	4.06	48.46	66.70	21.94	0.0	0.001	2.5	1.74	2.83	194.0	0.0	0.0	0.0
174	DL	10.5	5.9	12.2	0.15	0.008	0.009	0.03	3.79	48.47	70.55	22.24	0.0	0.000	1.1	0.86	2.98	194.0	0.0	0.0	0.0
175	DL	10.2	5.6	13.2	0.14	0.008	0.009	0.03	3.63	48.48	73.03	22.43	0.0	0.000	0.0	0.06	3.12	194.0	0.0	0.0	0.0
176	DL	10.0	5.4	14.1	0.14	0.008	0.009	0.04	3.57	48.48	73.98	22.51	0.0	0.000	0.0	0.01	3.09	194.1	0.0	0.0	0.0
177	DL	9.8	5.2	14.7	0.14	0.008	0.008	0.04	3.58	48.47	73.81	22.50	0.0	0.000	0.0	1.28	3.17	194.2	0.0	0.0	0.0
178	DL	9.6	5.0	15.0	0.14	0.008	0.008	0.04	3.59	48.47	73.57	22.48	0.0	0.000	0.0	1.28	3.08	194.2	0.0	0.0	0.0
179	DL	9.5	5.2	15.6	0.14	0.007	0.008	0.04	3.60	48.48	73.40	22.46	0.0	0.000	0.0	1.29	3.20	194.2	0.0	0.0	0.0
180	DL	9.5	6.1	17.6	0.15	0.007	0.010	0.05	3.68	48.49	72.17	22.36	0.0	0.000	1.0	0.65	3.25	194.2	0.0	0.0	0.0
181	DL	9.7	9.1	22.5	0.16	0.008	0.015	0.06	3.96	48.49	68.09	22.04	0.0	0.001	3.5	2.48	3.46	194.2	0.0	0.0	0.0
182	DL	10.1	17.7	30.6	0.18	0.008	0.028	0.08	4.64	48.49	59.75	21.40	0.0	0.001	4.4	2.63	5.26	194.3	0.0	0.0	0.0
183	DL	11.1	39.3	41.7	0.23	0.009	0.063	0.11	5.86	48.48	48.82	20.62	0.0	0.002	6.2	2.87	6.69	194.3	0.0	0.0	0.0
184	DL	12.4	75.2	55.2	0.31	0.010	0.120	0.15	7.77	48.50	37.97	19.90	0.0	0.002	8.0	2.78	12.21	194.2	0.0	0.0	0.0
185	DL	14.1	115.1	77.0	0.41	0.011	0.184	0.20	10.41	48.50	29.07	19.36	0.0	0.003	9.9	2.58	14.54	194.3	0.0	0.0	0.0
186	DL	16.4	135.8	117.5	0.58	0.013	0.217	0.31	14.49	48.50	21.53	18.92	0.0	0.003	12.1	2.27	14.30	194.2	0.0	0.0	0.0
187	DL	18.9	130.4	167.3	0.79	0.015	0.208	0.44	19.78	48.48	16.08	18.63	0.0	0.004	15.4	2.14	12.08	194.1	0.0	0.0	0.0
188	DL	21.1	112.3	193.8	0.97	0.017	0.179	0.51	24.44	48.46	13.14	18.48	0.0	0.005	17.7	2.01	9.42	194.3	0.0	0.0	0.0
189	DL	22.8	91.3	192.2	1.10	0.018	0.146	0.50	27.52	48.45	11.74	18.41	0.0	0.005	19.7	1.99	7.63	194.6	0.0	0.0	0.0
190	DL	23.0	71.2	156.8	1.13	0.018	0.114	0.41	28.37	48.40	11.40	18.39	0.0	0.006	20.6	2.03	6.17	194.9	0.0	0.0	0.0
191	DL	21.8	55.2	107.6	1.04	0.017	0.088	0.28	26.15	48.38	12.36	18.44	0.0	0.006	20.7	2.23	4.27	195.1	0.0	0.0	0.0
192	DL	19.9	43.4	68.8	0.88	0.016	0.069	0.18	22.10	48.39	14.56	18.56	0.0	0.006	19.9	2.53	2.84	195.2	0.0	0.0	0.0
193	DL	18.2	34.6	47.5	0.72	0.014	0.055	0.12	18.14	48.40	17.58	18.73	0.0	0.006	20.3	3.15	2.40	195.2	0.0	0.0	0.0
194	DL	16.8	27.7	37.8	0.60	0.013	0.044	0.10	15.03	48.41	20.99	18.92	0.0	0.006	20.3	3.79	2.65	195.3	0.0	0.0	0.0
195	DL	15.8	23.1	31.6	0.50	0.012	0.037	0.08	12.65	48.42	24.65	19.13	0.0	0.006	20.1	4.46	2.72	195.4	0.0	0.0	0.0
196	DL	15.0	19.6	26.7	0.43	0.012	0.031	0.07	10.92	48.43	28.24	19.34	0.0	0.006	20.0	5.16	2.35	195.5	0.0	0.0	0.0
197	DL	14.5	16.6	23.6	0.38	0.011	0.027	0.06	9.62	48.42	31.68	19.55	0.0	0.006	20.0	5.84	2.11	195.6	0.0	0.0	0.0
198	DL	14.2	14.2	22.2	0.34	0.011	0.023	0.06	8.56	48.42	35.22	19.77	0.0	0.006	20.0	6.57	2.10	195.7	0.0	0.0	0.0
199	DL	13.9	12.8	22.1	0.31	0.011	0.020	0.06	7.71	48.42	38.63	19.98	0.0	0.006	20.0	7.29	2.20	195.7	0.0	0.0	0.0
200	DL	13.7	11.8	22.1	0.29	0.011	0.019	0.06	7.17	48.44	41.18	20.15	0.0	0.006	20.0	7.83	2.31	195.7	0.0	0.0	0.0
201	DL	13.4	10.7	22.1	0.27	0.011	0.017	0.06	6.85	48.44	42.88	20.26	0.0	0.006	20.0	8.21	2.40	195.7	0.0	0.0	0.0
202	DL	13.3	9.7	22.3	0.26	0.010	0.016	0.06	6.56	48.45	44.55	20.37	0.0	0.006	20.0	8.57	2.46	195.7	0.0	0.0	0.0
203	DL	13.1	9.2	22.4	0.25	0.010	0.015	0.06	6.29	48.44	46.20	20.48	0.0	0.006	20.0	8.92	2.48	195.7	0.0	0.0	0.0
204	DL	12.9	8.8	22.6	0.24	0.010	0.014	0.06	6.12	48.46	47.30	20.55	0.0	0.006	20.1	9.18	2.53	195.7	0.0	0.0	0.0
205	DL	12.8	8.4	22.8	0.24	0.010	0.013	0.06	6.04	48.46	47.88	20.59	0.0	0.006	20.1	9.34	2.54	195.8	0.0	0.0	0.0
206	DL	12.6	7.9	23.1	0.24	0.010	0.013	0.06	5.97	48.46	48.34	20.62	0.0	0.006	20.2	9.47	2.56	195.7	0.0	0.0	0.0
207	DL	12.5	7.6	23.4	0.24	0.010	0.012	0.06	5.90	48.46	48.83	20.65	0.0	0.006	20.2	9.58	2.64	195.7	0.0	0.0	0.0
208	DL	12.3	7.3	23.0	0.23	0.010	0.012	0.06	5.84	48.46	49.27	20.68	0.0	0.006	20.2	9.71	2.64	195.7	0.0	0.0	0.0
209	DL	12.0	7.0	20.8	0.23	0.010	0.011	0.05	5.73	48.47	50.15	20.74	0.0	0.005	18.0	8.96	2.62	195.7	0.0	0.0	0.0
210	DL	11.7	6.8	16.9	0.22	0.009	0.011	0.04	5.42	48.47	52.57	20.91	0.0	0.004	13.4	7.03	2.53	195.7	0.0	0.0	0.0
211	DL	11.5	6.5	13.2	0.19	0.009	0.010	0.03	4.84	48.48	57.87	21.28	0.0	0.003	9.1	5.40	1.93	195.7	0.0	0.0	0.0
212	DL	11.2	6.1	11.6	0.17	0.009	0.010	0.03	4.23	48.49	64.57	21.77	0.0	0.002	6.0	4.08	2.76	195.7	0.0	0.0	0.0
213	DL	11.0	5.8	11.0	0.15	0.009	0.009	0.03	3.83	48.49	69.96	22.19	0.0	0.001	2.8	2.16	2.73	195.8	0.0	0.0	0.0
214	DL	10.7	5.4	11.8	0.14	0.008	0.009	0.03	3.61	48.49	73.24	22.45	0.0	0.000	1.0	0.83	2.88	195.8	0.0	0.0	0.0
215	DL	10.4	5.1	12.9	0.14	0.008	0.008	0.03	3.52	48.49	74.76	22.57	0.0	0.000	0.3	0.24	2.98	195.8	0.0	0.0	0.0
216	DL	10.1	4.8	14.0	0.14	0.008	0.008	0.04	3.49	48.51	75.35	22.62	0.0	0.000	0.0	0.03	3.32	195.8	0.0	0.0	0.0
217	DL	9.9	4.7	14.6	0.14	0.008	0.008	0.04	3.49	48.50	75.23	22.61	0.0	0.000	0.0	1.25	3.29	195.8	0.0	0.0	0.0
218	DL	9.7	4.7	15.0	0.14	0.008	0.008	0.04	3.53	48.50	74.70	22.57	0.0	0.000	0.0	1.26	3.29	195.9	0.0	0.0	0.0
219	DL	9.5	5.2	16.0	0.14	0.008	0.008	0.04	3.57	48.51	74.00	22.51	0.0	0.000	0.0	1.28	3.29	195.9	0.0	0.0	0.0
220	DL	9.6	8.3	19.1	0.15	0.008	0.013	0.05	3.71	48.51	71.62	22.32	0.0	0.000	1.0	0.62	3.22	195.9	0.0	0.0	0.0
221	DL	10.0	15.2	26.3	0.17	0.008	0.024	0.07	4.21	48.52	64.73	21.77	0.0	0.001	4.1	2.70	4.06	195.9	0.0	0.0	0.0
222	DL	10.7	26.5	35.8	0.21	0.008	0.042	0.09	5.25	48.51	53.82	20.97	0.0	0.001	5.3	2.78	7.59	195.9	0.0	0.0	0.0

223	DL	11.6	49.8	46.5	0.27	0.009	0.080	0.12	6.68	48.52	43.54	20.27	0.0	0.002	6.8	2.77	9.91	195.9	0.0	0.0	0.0
224	DL	12.8	88.7	59.9	0.34	0.010	0.142	0.16	8.66	48.52	34.41	19.68	0.0	0.002	8.5	2.68	12.13	195.9	0.0	0.0	0.0
225	DL	14.3	125.2	84.1	0.46	0.011	0.200	0.22	11.65	48.52	26.26	19.19	0.0	0.003	10.5	2.46	13.95	195.8	0.0	0.0	0.0
226	DL	16.3	133.8	122.5	0.64	0.013	0.214	0.32	15.97	48.51	19.65	18.82	0.0	0.004	12.8	2.18	13.63	195.7	0.0	0.0	0.0
227	DL	18.0	120.2	149.1	0.81	0.014	0.192	0.39	20.34	48.50	15.64	18.61	0.0	0.004	16.0	2.17	10.74	195.8	0.0	0.0	0.0
228	DL	19.5	106.2	155.8	0.92	0.015	0.170	0.41	23.06	48.47	13.88	18.52	0.0	0.005	17.2	2.07	6.53	196.0	0.0	0.0	0.0
229	DL	20.7	91.9	153.5	0.99	0.016	0.147	0.40	24.82	48.47	12.95	18.47	0.0	0.005	18.9	2.12	4.88	196.2	0.0	0.0	0.0
230	DL	20.7	73.7	120.3	1.01	0.016	0.118	0.32	25.40	48.43	12.68	18.46	0.0	0.006	19.8	2.19	4.91	196.4	0.0	0.0	0.0
231	DL	19.6	57.1	79.8	0.92	0.015	0.091	0.21	23.14	48.42	13.91	18.53	0.0	0.005	19.8	2.40	3.50	196.5	0.0	0.0	0.0
232	DL	18.1	45.0	55.6	0.78	0.014	0.072	0.15	19.52	48.43	16.38	18.66	0.0	0.005	19.5	2.80	2.62	196.6	0.0	0.0	0.0
233	DL	16.7	36.4	43.8	0.65	0.013	0.058	0.12	16.39	48.43	19.33	18.83	0.0	0.005	19.8	3.38	2.54	196.6	0.0	0.0	0.0
234	DL	15.6	30.0	39.2	0.56	0.012	0.048	0.10	14.04	48.44	22.36	19.00	0.0	0.006	20.0	4.00	3.05	196.6	0.0	0.0	0.0
235	DL	14.7	25.3	36.6	0.49	0.012	0.040	0.10	12.31	48.44	25.26	19.17	0.0	0.006	20.1	4.58	3.74	196.6	0.0	0.0	0.0
236	DL	14.0	21.6	32.6	0.44	0.011	0.035	0.09	11.00	48.46	28.03	19.33	0.0	0.005	19.8	5.04	3.80	196.7	0.0	0.0	0.0
237	DL	13.5	18.5	27.7	0.39	0.011	0.030	0.07	9.90	48.46	30.87	19.50	0.0	0.006	19.8	5.61	2.93	196.8	0.0	0.0	0.0
238	DL	13.2	15.8	25.2	0.36	0.010	0.025	0.07	8.96	48.45	33.80	19.68	0.0	0.006	20.0	6.25	2.52	196.8	0.0	0.0	0.0
239	DL	13.0	13.7	24.9	0.33	0.010	0.022	0.07	8.20	48.46	36.59	19.85	0.0	0.006	20.0	6.84	2.64	196.9	0.0	0.0	0.0
240	DL	12.8	12.3	25.1	0.30	0.010	0.020	0.07	7.63	48.47	39.05	20.01	0.0	0.006	20.0	7.37	2.79	196.9	0.0	0.0	0.0
241	DL	12.6	11.3	25.0	0.29	0.010	0.018	0.07	7.24	48.46	40.86	20.13	0.0	0.006	20.0	7.75	2.73	196.9	0.0	0.0	0.0
242	DL	12.4	10.4	24.2	0.28	0.010	0.017	0.06	6.98	48.47	42.21	20.21	0.0	0.006	20.0	8.05	2.65	196.9	0.0	0.0	0.0
243	DL	12.2	9.4	23.6	0.27	0.010	0.015	0.06	6.72	48.47	43.63	20.31	0.0	0.006	20.0	8.37	2.58	196.9	0.0	0.0	0.0
244	DL	12.1	8.6	23.2	0.26	0.010	0.014	0.06	6.45	48.47	45.26	20.41	0.0	0.006	20.1	8.74	2.55	196.9	0.0	0.0	0.0
245	DL	12.0	8.1	23.1	0.25	0.009	0.013	0.06	6.23	48.48	46.63	20.50	0.0	0.006	20.1	9.06	2.55	196.8	0.0	0.0	0.0
246	DL	11.9	7.8	23.1	0.24	0.009	0.013	0.06	6.09	48.47	47.55	20.57	0.0	0.006	20.1	9.28	2.58	196.8	0.0	0.0	0.0
247	DL	11.8	7.5	22.8	0.24	0.009	0.012	0.06	6.00	48.47	48.17	20.61	0.0	0.006	20.2	9.42	2.46	196.8	0.0	0.0	0.0
248	DL	11.6	6.9	22.0	0.23	0.009	0.011	0.06	5.89	48.47	48.95	20.66	0.0	0.006	20.2	9.62	2.52	196.9	0.0	0.0	0.0
249	DL	11.4	6.4	20.0	0.23	0.009	0.010	0.05	5.67	48.48	50.61	20.77	0.0	0.005	17.8	8.92	2.45	196.9	0.0	0.0	0.0
250	DL	11.1	6.3	16.4	0.21	0.009	0.010	0.04	5.30	48.48	53.57	20.98	0.0	0.004	14.1	7.55	2.42	196.9	0.0	0.0	0.0
251	DL	11.0	6.3	12.9	0.19	0.009	0.010	0.03	4.79	48.49	58.31	21.31	0.0	0.003	9.7	5.76	1.92	196.9	0.0	0.0	0.0
252	DL	10.7	6.0	11.9	0.17	0.008	0.010	0.03	4.30	48.48	63.74	21.71	0.0	0.002	6.3	4.25	2.68	196.9	0.0	0.0	0.0
253	DL	10.4	5.6	11.6	0.16	0.008	0.009	0.03	3.93	48.49	68.48	22.07	0.0	0.001	3.3	2.42	3.08	197.0	0.0	0.0	0.0
254	DL	10.2	5.2	12.0	0.15	0.008	0.008	0.03	3.65	48.48	72.64	22.40	0.0	0.001	1.8	1.43	2.94	197.0	0.0	0.0	0.0
255	DL	9.9	5.1	12.9	0.14	0.008	0.008	0.03	3.51	48.48	74.97	22.59	0.0	0.000	0.3	0.31	3.24	197.1	0.0	0.0	0.0
256	DL	9.7	5.0	13.8	0.14	0.008	0.008	0.04	3.48	48.49	75.47	22.63	0.0	0.000	0.0	0.01	3.16	197.1	0.0	0.0	0.0
257	DL	9.4	4.9	14.6	0.14	0.007	0.008	0.04	3.51	48.49	75.05	22.60	0.0	0.000	0.0	1.25	3.29	197.2	0.0	0.0	0.0
258	DL	9.3	4.7	15.1	0.14	0.007	0.008	0.04	3.54	48.49	74.50	22.55	0.0	0.000	0.0	1.26	3.31	197.3	0.0	0.0	0.0
259	DL	9.1	4.8	15.5	0.14	0.007	0.008	0.04	3.57	48.50	74.10	22.52	0.0	0.000	0.0	1.27	3.29	197.3	0.0	0.0	0.0
260	DL	9.0	5.3	16.6	0.14	0.007	0.008	0.04	3.61	48.50	73.31	22.46	0.0	0.000	1.1	0.69	3.39	197.3	0.0	0.0	0.0
261	DL	9.2	8.9	20.0	0.15	0.007	0.014	0.05	3.78	48.50	70.70	22.24	0.0	0.001	3.0	2.19	3.55	197.4	0.0	0.0	0.0
262	DL	9.7	23.1	28.7	0.17	0.008	0.037	0.08	4.30	48.51	63.43	21.67	0.0	0.001	4.3	2.70	4.26	197.4	0.0	0.0	0.0
263	DL	10.6	51.5	42.2	0.23	0.008	0.082	0.11	5.66	48.51	50.26	20.70	0.0	0.002	6.3	3.01	8.95	197.4	0.0	0.0	0.0
264	DL	11.7	89.5	58.5	0.32	0.009	0.143	0.15	7.98	48.51	37.05	19.84	0.0	0.002	8.2	2.77	14.62	197.4	0.0	0.0	0.0
265	DL	13.3	123.3	85.1	0.44	0.011	0.197	0.22	11.06	48.50	27.53	19.26	0.0	0.003	10.3	2.52	14.98	197.4	0.0	0.0	0.0
266	DL	15.4	134.4	130.1	0.61	0.012	0.215	0.34	15.37	48.51	20.38	18.86	0.0	0.003	12.5	2.22	13.46	197.3	0.0	0.0	0.0
267	DL	17.4	122.9	173.7	0.82	0.014	0.196	0.46	20.62	48.49	15.47	18.60	0.0	0.004	16.0	2.14	11.62	197.2	0.0	0.0	0.0
268	DL	19.0	103.1	188.5	1.00	0.015	0.165	0.50	25.02	48.47	12.86	18.47	0.0	0.005	17.9	1.99	8.89	197.3	0.0	0.0	0.0
269	DL	19.9	82.4	162.6	1.08	0.016	0.132	0.43	27.03	48.43	11.94	18.42	0.0	0.005	19.5	2.02	6.57	197.5	0.0	0.0	0.0
270	DL	19.6	64.8	110.2	1.03	0.016	0.103	0.29	25.83	48.40	12.50	18.45	0.0	0.005	19.4	2.11	4.80	197.7	0.0	0.0	0.0
271	DL	18.6	54.7	75.1	0.88	0.015	0.087	0.20	22.19	48.40	14.48	18.56	0.0	0.006	20.0	2.53	3.26	197.8	0.0	0.0	0.0
272	DL	17.3	49.4	61.5	0.74	0.014	0.079	0.16	18.67	48.41	17.07	18.70	0.0	0.006	20.2	3.04	3.65	197.9	0.0	0.0	0.0
273	DL	16.0	43.6	53.1	0.65	0.013	0.070	0.14	16.29	48.42	19.40	18.83	0.0	0.006	20.3	3.50	4.60	197.9	0.0	0.0	0.0
274	DL	14.9	36.2	43.5	0.58	0.012	0.058	0.11	14.47	48.43	21.71	18.96	0.0	0.006	20.1	3.89	4.26	197.9	0.0	0.0	0.0
275	DL	14.1	29.1	34.9	0.50	0.011	0.047	0.09	12.63	48.43	24.66	19.13	0.0	0.006	20.1	4.47	3.04	198.1	0.0	0.0	0.0
276	DL	13.5	24.0	29.1	0.43	0.011	0.038	0.08	10.89	48.43	28.28	19.34	0.0	0.006	20.1	5.18	2.60	198.2	0.0	0.0	0.0
277	DL	13.0	20.5	25.3	0.38	0.010	0.033	0.07	9.55	48.44	31.90	19.56	0.0	0.006	20.0	5.87	2.42	198.3	0.0	0.0	0.0
278	DL	12.8	17.6	22.4	0.34	0.010	0.028	0.06	8.60	48.44	35.05	19.76	0.0	0.006	20.0	6.51	2.26	198.2	0.0	0.0	0.0
279	DL	12.6	14.9	20.8	0.31	0.010	0.024	0.05	7.83	48.44	38.10	19.95	0.0	0.006	19.9	7.14	2.12	198.2	0.0	0.0	0.0
280	DL	12.4	12.9	20.1	0.28	0.010	0.021	0.05	7.13	48.45	41.39	20.16	0.0	0.006	19.9	7.84	2.19	198.2	0.0	0.0	0.0
281	DL	12.3	11.6	20.2	0.26	0.010	0.019	0.05	6.59	48.45	44.35	20.35	0.0	0.006	19.9	8.46	2.33	198.2	0.0	0.0	0.0

282	DL	12.2	10.7	20.3	0.25	0.010	0.017	0.05	6.28	48.45	46.28	20.48	0.0	0.006	19.9	8.88	2.36	198.2	0.0	0.0	0.0
283	DL	12.0	9.8	20.5	0.24	0.010	0.016	0.05	6.08	48.46	47.60	20.57	0.0	0.006	19.9	9.18	2.41	198.1	0.0	0.0	0.0
284	DL	11.9	9.1	21.1	0.24	0.009	0.014	0.06	5.90	48.46	48.83	20.65	0.0	0.006	19.9	9.47	2.47	198.0	0.0	0.0	0.0
285	DL	11.7	8.6	21.8	0.23	0.009	0.014	0.06	5.77	48.47	49.82	20.72	0.0	0.006	20.0	9.71	2.51	198.0	0.0	0.0	0.0
286	DL	11.6	8.4	22.2	0.23	0.009	0.013	0.06	5.69	48.47	50.42	20.76	0.0	0.006	20.0	9.86	2.56	198.0	0.0	0.0	0.0
287	DL	11.5	8.1	22.7	0.23	0.009	0.013	0.06	5.68	48.46	50.46	20.76	0.0	0.006	20.1	9.91	2.57	198.1	0.0	0.0	0.0
288	DL	11.4	7.7	23.0	0.23	0.009	0.012	0.06	5.70	48.47	50.36	20.76	0.0	0.006	20.1	9.91	2.74	198.2	0.0	0.0	0.0
289	DL	11.1	7.1	21.8	0.22	0.009	0.011	0.06	5.64	48.47	50.82	20.79	0.0	0.005	18.8	9.45	2.88	198.2	0.0	0.0	0.0
290	DL	10.8	7.0	19.0	0.22	0.009	0.011	0.05	5.41	48.48	52.61	20.91	0.0	0.004	13.9	7.31	2.73	198.2	0.0	0.0	0.0
291	DL	10.6	6.9	15.2	0.20	0.008	0.011	0.04	5.03	48.49	56.03	21.15	0.0	0.003	9.4	5.33	2.35	198.2	0.0	0.0	0.0
292	DL	10.4	6.6	13.2	0.18	0.008	0.011	0.03	4.56	48.48	60.78	21.49	0.0	0.002	6.1	3.89	3.10	198.2	0.0	0.0	0.0
293	DL	10.1	6.1	12.3	0.17	0.008	0.010	0.03	4.15	48.49	65.65	21.86	0.0	0.001	2.9	2.04	3.32	198.3	0.0	0.0	0.0
294	DL	9.9	5.6	12.4	0.15	0.008	0.009	0.03	3.81	48.49	70.20	22.21	0.0	0.000	1.3	0.99	3.10	198.3	0.0	0.0	0.0
295	DL	9.6	5.4	13.3	0.14	0.008	0.009	0.03	3.64	48.50	72.92	22.42	0.0	0.000	0.2	0.16	3.53	198.2	0.0	0.0	0.0
296	DL	9.4	5.3	14.2	0.14	0.007	0.008	0.04	3.59	48.49	73.68	22.49	0.0	0.000	0.0	1.28	3.34	198.3	0.0	0.0	0.0
297	DL	9.2	5.2	14.9	0.14	0.007	0.008	0.04	3.61	48.51	73.38	22.46	0.0	0.000	0.0	1.29	3.45	198.4	0.0	0.0	0.0
298	DL	9.0	5.0	15.5	0.14	0.007	0.008	0.04	3.63	48.50	73.01	22.43	0.0	0.000	0.0	1.30	3.46	198.4	0.0	0.0	0.0
299	DL	8.9	5.2	15.9	0.15	0.007	0.008	0.04	3.66	48.50	72.62	22.40	0.0	0.000	0.0	1.31	3.54	198.4	0.0	0.0	0.0
300	DL	9.0	7.3	18.5	0.15	0.007	0.012	0.05	3.75	48.51	71.09	22.28	0.0	0.000	0.9	0.57	3.64	198.4	0.0	0.0	0.0
301	DL	9.4	16.0	25.3	0.16	0.007	0.026	0.07	4.13	48.52	65.72	21.85	0.0	0.001	3.7	2.46	3.90	198.4	0.0	0.0	0.0
302	DL	10.1	37.2	36.5	0.20	0.008	0.060	0.10	5.12	48.52	54.76	21.03	0.0	0.001	5.2	2.76	6.72	198.4	0.0	0.0	0.0
303	DL	11.0	70.5	50.0	0.28	0.009	0.113	0.13	6.98	48.51	41.78	20.14	0.0	0.002	7.0	2.71	13.25	198.4	0.0	0.0	0.0
304	DL	12.1	109.1	67.0	0.38	0.010	0.174	0.18	9.53	48.51	31.49	19.50	0.0	0.002	8.9	2.53	15.86	198.4	0.0	0.0	0.0
305	DL	13.6	137.4	97.1	0.51	0.011	0.220	0.26	12.79	48.51	24.06	19.06	0.0	0.003	11.1	2.36	15.55	198.2	0.0	0.0	0.0
306	DL	15.4	140.2	138.7	0.68	0.012	0.224	0.36	17.17	48.52	18.35	18.75	0.0	0.004	13.5	2.15	13.70	198.0	0.0	0.0	0.0
307	DL	16.9	123.9	159.2	0.87	0.013	0.198	0.42	21.75	48.48	14.68	18.56	0.0	0.005	16.4	2.09	10.70	198.2	0.0	0.0	0.0
308	DL	18.0	109.1	155.2	0.98	0.014	0.174	0.41	24.57	48.45	13.06	18.48	0.0	0.005	17.6	2.00	6.89	198.5	0.0	0.0	0.0
309	DL	19.3	96.7	151.3	1.03	0.015	0.154	0.40	25.81	48.46	12.47	18.45	0.0	0.005	19.0	2.05	5.17	198.8	0.0	0.0	0.0
310	DL	19.6	79.0	127.0	1.04	0.015	0.126	0.33	26.21	48.43	12.30	18.44	0.0	0.006	20.4	2.18	5.80	199.0	0.0	0.0	0.0
311	DL	18.6	61.0	85.4	0.96	0.015	0.097	0.22	24.14	48.40	13.34	18.50	0.0	0.006	20.3	2.36	4.25	199.2	0.0	0.0	0.0
312	DL	17.3	47.8	52.5	0.80	0.014	0.076	0.14	20.10	48.41	15.95	18.64	0.0	0.005	19.4	2.70	2.97	199.2	0.0	0.0	0.0
313	DL	16.1	39.2	36.6	0.65	0.013	0.063	0.10	16.21	48.43	19.54	18.84	0.0	0.006	19.9	3.45	2.44	199.2	0.0	0.0	0.0
314	DL	15.0	32.7	32.5	0.54	0.012	0.052	0.09	13.60	48.43	23.02	19.04	0.0	0.006	20.0	4.13	2.94	199.2	0.0	0.0	0.0
315	DL	14.1	27.1	31.8	0.48	0.011	0.043	0.08	11.93	48.44	26.00	19.21	0.0	0.006	20.2	4.74	3.47	199.2	0.0	0.0	0.0
316	DL	13.4	22.8	29.8	0.42	0.011	0.036	0.08	10.62	48.44	28.94	19.38	0.0	0.006	20.0	5.27	3.52	199.4	0.0	0.0	0.0
317	DL	12.9	19.8	26.0	0.38	0.010	0.032	0.07	9.49	48.44	32.06	19.57	0.0	0.006	20.0	5.89	2.89	199.4	0.0	0.0	0.0
318	DL	12.6	17.5	23.3	0.34	0.010	0.028	0.06	8.60	48.45	35.04	19.76	0.0	0.006	20.0	6.51	2.45	199.4	0.0	0.0	0.0
319	DL	12.3	15.2	22.3	0.32	0.010	0.024	0.06	7.94	48.44	37.63	19.92	0.0	0.006	20.0	7.06	2.52	199.4	0.0	0.0	0.0
320	DL	12.1	13.2	22.2	0.29	0.010	0.021	0.06	7.39	48.45	40.12	20.08	0.0	0.006	20.0	7.60	2.53	199.4	0.0	0.0	0.0
321	DL	11.9	11.8	22.6	0.28	0.009	0.019	0.06	6.92	48.45	42.52	20.23	0.0	0.006	20.1	8.13	2.66	199.4	0.0	0.0	0.0
322	DL	11.8	11.1	23.4	0.26	0.009	0.018	0.06	6.61	48.45	44.25	20.35	0.0	0.006	20.1	8.54	2.71	199.4	0.0	0.0	0.0
323	DL	11.6	10.6	23.8	0.26	0.009	0.017	0.06	6.47	48.46	45.08	20.40	0.0	0.006	20.2	8.74	2.80	199.4	0.0	0.0	0.0
324	DL	11.4	10.0	24.1	0.25	0.009	0.016	0.06	6.40	48.46	45.56	20.43	0.0	0.006	20.2	8.86	2.83	199.4	0.0	0.0	0.0
325	DL	11.3	9.3	24.1	0.25	0.009	0.015	0.06	6.31	48.47	46.11	20.47	0.0	0.006	20.3	9.00	2.80	199.4	0.0	0.0	0.0
326	DL	11.1	8.8	23.8	0.25	0.009	0.014	0.06	6.18	48.46	46.92	20.52	0.0	0.006	20.3	9.20	2.92	199.4	0.0	0.0	0.0
327	DL	11.0	8.3	23.3	0.24	0.009	0.013	0.06	6.07	48.47	47.73	20.58	0.0	0.006	20.3	9.40	2.86	199.4	0.0	0.0	0.0
328	DL	10.9	7.9	22.0	0.24	0.009	0.013	0.06	5.96	48.47	48.46	20.63	0.0	0.006	20.3	9.54	2.76	199.4	0.0	0.0	0.0
329	DL	10.7	7.2	19.3	0.23	0.008	0.011	0.05	5.77	48.46	49.83	20.72	0.0	0.005	18.5	9.16	2.65	199.4	0.0	0.0	0.0
330	DL	10.5	6.7	15.3	0.21	0.008	0.011	0.04	5.36	48.47	53.07	20.94	0.0	0.004	14.2	7.54	2.47	199.4	0.0	0.0	0.0
331	DL	10.3	6.6	12.0	0.19	0.008	0.010	0.03	4.73	48.47	58.96	21.36	0.0	0.003	9.7	5.87	1.97	199.4	0.0	0.0	0.0
332	DL	10.1	6.4	11.2	0.17	0.008	0.010	0.03	4.17	48.48	65.31	21.83	0.0	0.002	6.5	4.46	2.94	199.4	0.0	0.0	0.0
333	DL	9.8	6.0	10.9	0.15	0.008	0.010	0.03	3.84	48.48	69.80	22.18	0.0	0.001	3.1	2.34	3.31	199.5	0.0	0.0	0.0
334	DL	9.6	5.5	11.5	0.14	0.008	0.009	0.03	3.62	48.48	73.12	22.44	0.0	0.000	1.3	1.08	3.22	199.6	0.0	0.0	0.0
335	DL	9.4	5.2	12.5	0.14	0.007	0.008	0.03	3.49	48.48	75.24	22.61	0.0	0.000	0.2	0.20	3.51	199.6	0.0	0.0	0.0
336	DL	9.1	5.0	13.5	0.14	0.007	0.008	0.04	3.44	48.48	76.09	22.68	0.0	0.000	0.0	0.01	3.44	199.6	0.0	0.0	0.0
337	DL	9.0	5.0	14.2	0.14	0.007	0.008	0.04	3.47	48.49	75.71	22.65	0.0	0.000	0.0	1.24	3.55	199.6	0.0	0.0	0.0
338	DL	8.8	5.1	14.7	0.14	0.007	0.008	0.04	3.51	48.50	74.96	22.59	0.0	0.000	0.0	1.25	3.66	199.7	0.0	0.0	0.0
339	DL	8.7	5.5	15.5	0.14	0.007	0.009	0.04	3.55	48.49	74.33	22.54	0.0	0.000	0.0	1.27	3.69	199.7	0.0	0.0	0.0
340	DL	8.8	8.5	18.8	0.15	0.007	0.014	0.05	3.68	48.50	72.13	22.36	0.0	0.000	1.7	1.09	3.54	199.7	0.0	0.0	0.0

341 DL	9.2	16.5	26.8	0.17	0.007	0.026	0.07	4.16	48.51	65.25	21.81	0.0	0.001	4.2	2.76	4.47	199.8	0.0	0.0	0.0
342 DL	9.9	31.8	37.3	0.21	0.008	0.051	0.10	5.23	48.51	53.92	20.97	0.0	0.002	5.5	2.88	8.16	199.8	0.0	0.0	0.0
343 DL	10.8	61.1	49.8	0.27	0.009	0.098	0.13	6.87	48.51	42.43	20.19	0.0	0.002	7.2	2.85	11.30	199.7	0.0	0.0	0.0
344 DL	11.9	99.0	66.5	0.37	0.009	0.158	0.17	9.29	48.50	32.31	19.55	0.0	0.002	9.0	2.63	13.69	199.6	0.0	0.0	0.0
345 DL	13.4	121.8	93.4	0.51	0.011	0.195	0.25	12.77	48.50	24.17	19.07	0.0	0.003	11.2	2.40	14.23	199.5	0.0	0.0	0.0
346 DL	15.2	120.3	126.4	0.67	0.012	0.192	0.33	16.85	48.50	18.68	18.77	0.0	0.004	13.1	2.13	12.13	199.5	0.0	0.0	0.0
347 DL	16.6	106.2	150.3	0.81	0.013	0.170	0.39	20.45	48.47	15.57	18.61	0.0	0.004	16.0	2.17	8.42	199.6	0.0	0.0	0.0
348 DL	17.8	92.1	154.5	0.92	0.014	0.147	0.41	22.98	48.45	13.94	18.53	0.0	0.005	17.5	2.12	6.01	199.9	0.0	0.0	0.0
349 DL	19.0	80.5	153.6	0.99	0.015	0.128	0.40	24.77	48.44	12.99	18.48	0.0	0.005	19.0	2.14	4.78	200.1	0.0	0.0	0.0
350 DL	19.3	66.8	131.8	1.03	0.015	0.107	0.35	25.79	48.42	12.51	18.45	0.0	0.006	20.3	2.20	4.86	200.2	0.0	0.0	0.0
351 DL	18.4	53.0	93.3	0.97	0.015	0.085	0.24	24.42	48.39	13.20	18.49	0.0	0.006	20.7	2.38	4.06	200.3	0.0	0.0	0.0
352 DL	16.9	41.1	61.8	0.84	0.013	0.065	0.16	21.06	48.39	15.24	18.60	0.0	0.006	19.8	2.64	2.93	200.3	0.0	0.0	0.0
353 DL	15.5	31.8	43.6	0.69	0.012	0.051	0.11	17.33	48.41	18.37	18.77	0.0	0.006	20.1	3.25	2.50	200.3	0.0	0.0	0.0
354 DL	14.4	25.5	35.5	0.57	0.011	0.041	0.09	14.21	48.42	22.14	18.99	0.0	0.006	20.3	4.01	2.74	200.3	0.0	0.0	0.0
355 DL	13.5	21.5	31.5	0.48	0.011	0.034	0.08	12.00	48.41	25.89	19.20	0.0	0.006	20.2	4.73	2.98	200.3	0.0	0.0	0.0
356 DL	12.9	18.6	26.9	0.42	0.010	0.030	0.07	10.54	48.43	29.17	19.40	0.0	0.006	19.9	5.30	2.97	200.3	0.0	0.0	0.0
357 DL	12.5	16.0	23.0	0.37	0.010	0.026	0.06	9.38	48.42	32.42	19.60	0.0	0.006	20.0	5.98	2.44	200.4	0.0	0.0	0.0
358 DL	12.2	13.6	21.5	0.33	0.010	0.022	0.06	8.40	48.44	35.81	19.81	0.0	0.006	20.0	6.67	2.37	200.5	0.0	0.0	0.0
359 DL	12.0	11.7	21.5	0.30	0.010	0.019	0.06	7.60	48.43	39.18	20.02	0.0	0.006	20.0	7.40	2.52	200.5	0.0	0.0	0.0
360 DL	11.8	10.6	21.8	0.28	0.009	0.017	0.06	6.99	48.44	42.16	20.21	0.0	0.006	20.0	8.05	2.61	200.5	0.0	0.0	0.0
361 DL	11.7	9.9	22.1	0.26	0.009	0.016	0.06	6.62	48.44	44.22	20.34	0.0	0.006	20.1	8.50	2.72	200.5	0.0	0.0	0.0
362 DL	11.5	9.3	22.4	0.26	0.009	0.015	0.06	6.43	48.45	45.37	20.42	0.0	0.006	20.1	8.78	2.76	200.5	0.0	0.0	0.0
363 DL	11.3	8.7	22.5	0.25	0.009	0.014	0.06	6.30	48.44	46.18	20.47	0.0	0.006	20.1	8.95	2.75	200.4	0.0	0.0	0.0
364 DL	11.2	8.1	22.5	0.25	0.009	0.013	0.06	6.16	48.46	47.08	20.53	0.0	0.006	20.1	9.16	2.83	200.4	0.0	0.0	0.0
365 DL	11.0	7.6	22.1	0.24	0.009	0.012	0.06	6.02	48.45	48.06	20.60	0.0	0.006	20.0	9.35	2.80	200.4	0.0	0.0	0.0
366 DL	10.9	7.1	21.0	0.23	0.009	0.011	0.06	5.83	48.45	49.36	20.69	0.0	0.006	19.9	9.60	2.60	200.5	0.0	0.0	0.0
367 DL	10.8	6.8	19.5	0.22	0.009	0.011	0.05	5.64	48.46	50.79	20.79	0.0	0.006	19.9	9.91	2.44	200.5	0.0	0.0	0.0
368 DL	10.8	6.4	18.3	0.22	0.009	0.010	0.05	5.46	48.46	52.28	20.89	0.0	0.006	19.9	10.24	2.36	200.5	0.0	0.0	0.0
369 DL	10.6	5.8	16.6	0.21	0.008	0.009	0.04	5.24	48.47	54.14	21.02	0.0	0.005	18.2	9.94	2.39	200.5	0.0	0.0	0.0
370 DL	10.4	5.5	14.1	0.19	0.008	0.009	0.04	4.88	48.47	57.41	21.25	0.0	0.004	13.7	8.01	2.42	200.5	0.0	0.0	0.0
371 DL	10.2	5.6	11.9	0.18	0.008	0.009	0.03	4.41	48.48	62.50	21.62	0.0	0.003	9.6	6.23	2.07	200.5	0.0	0.0	0.0
372 DL	10.0	5.5	11.0	0.16	0.008	0.009	0.03	3.97	48.48	67.99	22.04	0.0	0.002	6.5	4.71	2.87	200.5	0.0	0.0	0.0
374 DL	9.7	5.3	10.7	0.15	0.008	0.008	0.03	3.69	48.48	72.10	22.36	0.0	0.001	3.4	2.85	3.01	200.5	0.0	0.0	0.0
374 DL	9.5	5.0	11.3	0.14	0.008	0.008	0.03	3.49	48.49	75.25	22.61	0.0	0.000	1.7	1.22	3.02	200.5	0.0	0.0	0.0
375 DL	9.2	4.7	12.4	0.13	0.007	0.008	0.03	3.38	48.49	77.27	22.78	0.0	0.000	0.4	0.35	3.32	200.5	0.0	0.0	0.0
376 DL	9.0	4.7	13.5	0.13	0.007	0.008	0.04	3.35	48.50	77.79	22.82	0.0	0.000	0.0	0.01	3.46	200.6	0.0	0.0	0.0
377 DL	8.8	4.7	14.3	0.14	0.007	0.008	0.04	3.40	48.50	76.98	22.75	0.0	0.000	0.0	1.21	3.60	200.8	0.0	0.0	0.0
378 DL	8.6	4.7	14.9	0.14	0.007	0.008	0.04	3.47	48.50	75.69	22.65	0.0	0.000	0.0	1.24	3.54	200.9	0.0	0.0	0.0
379 DL	8.5	5.4	15.9	0.14	0.007	0.009	0.04	3.54	48.50	74.44	22.55	0.0	0.000	0.0	1.27	3.67	200.9	0.0	0.0	0.0
380 DL	8.6	9.6	19.4	0.15	0.007	0.015	0.05	3.70	48.51	71.81	22.33	0.0	0.000	1.1	0.69	3.71	200.9	0.0	0.0	0.0
381 DL	9.1	19.3	27.5	0.17	0.007	0.031	0.07	4.24	48.51	64.30	21.74	0.0	0.001	4.3	2.76	4.53	200.9	0.0	0.0	0.0
382 DL	9.8	34.6	38.0	0.21	0.008	0.055	0.10	5.36	48.52	52.80	20.89	0.0	0.002	5.5	2.83	9.05	200.9	0.0	0.0	0.0
383 DL	10.6	59.4	49.5	0.28	0.008	0.095	0.13	6.99	48.52	41.78	20.15	0.0	0.002	7.1	2.77	12.52	200.8	0.0	0.0	0.0
384 DL	11.5	94.2	63.2	0.37	0.009	0.151	0.17	9.19	48.51	32.60	19.57	0.0	0.002	8.9	2.63	13.71	200.6	0.0	0.0	0.0
385 DL	12.8	124.6	85.5	0.49	0.010	0.199	0.22	12.23	48.51	25.11	19.13	0.0	0.003	10.8	2.40	13.86	200.4	0.0	0.0	0.0
386 DL	14.3	133.5	121.5	0.64	0.011	0.213	0.32	16.21	48.51	19.35	18.81	0.0	0.004	12.8	2.16	13.13	200.4	0.0	0.0	0.0
387 DL	15.5	122.2	152.6	0.81	0.012	0.195	0.40	20.28	48.49	15.68	18.61	0.0	0.004	16.0	2.18	10.76	200.6	0.0	0.0	0.0
388 DL	16.6	107.1	160.3	0.92	0.013	0.171	0.42	23.22	48.47	13.79	18.51	0.0	0.005	17.6	2.10	7.61	200.9	0.0	0.0	0.0
389 DL	17.8	93.3	162.6	1.00	0.014	0.149	0.43	25.23	48.45	12.75	18.46	0.0	0.005	19.0	2.09	5.47	201.2	0.0	0.0	0.0
390 DL	18.1	76.3	138.7	1.06	0.014	0.122	0.36	26.60	48.45	12.14	18.43	0.0	0.006	20.5	2.15	6.05	201.3	0.0	0.0	0.0
391 DL	17.3	59.8	92.4	1.00	0.014	0.095	0.24	25.14	48.40	12.84	18.47	0.0	0.006	20.4	2.28	4.84	201.3	0.0	0.0	0.0
392 DL	16.0	46.7	57.6	0.85	0.013	0.075	0.15	21.31	48.41	15.08	18.59	0.0	0.005	19.8	2.60	3.42	201.3	0.0	0.0	0.0
393 DL	14.8	36.8	42.6	0.69	0.012	0.059	0.11	17.41	48.42	18.29	18.77	0.0	0.006	20.2	3.27	2.90	201.4	0.0	0.0	0.0
394 DL	13.7	29.4	35.9	0.58	0.011	0.047	0.09	14.45	48.43	21.79	18.97	0.0	0.006	20.0	3.89	3.38	201.4	0.0	0.0	0.0
395 DL	12.9	24.1	29.8	0.49	0.010	0.038	0.08	12.19	48.43	25.53	19.18	0.0	0.006	19.9	4.58	3.17	201.4	0.0	0.0	0.0
396 DL	12.3	20.5	25.4	0.42	0.010	0.033	0.07	10.46	48.44	29.37	19.41	0.0	0.006	20.0	5.36	2.63	201.4	0.0	0.0	0.0
397 DL	11.9	17.7	23.4	0.37	0.009	0.028	0.06	9.26	48.44	32.80	19.62	0.0	0.006	20.0	6.06	2.58	201.5	0.0	0.0	0.0
398 DL	11.6	15.1	23.0	0.33	0.009	0.024	0.06	8.40	48.44	35.81	19.80	0.0	0.006	20.0	6.68	2.65	201.6	0.0	0.0	0.0
399 DL	11.4	12.9	23.4	0.31	0.009	0.021	0.06	7.72	48.45	38.62	19.98	0.0	0.006	20.1	7.30	2.74	201.7	0.0	0.0	0.0

400	DL	11.2	11.4	24.0	0.29	0.009	0.018	0.06	7.19	48.45	41.12	20.14	0.0	0.006	20.1	7.84	2.85	201.7	0.0	0.0	0.0
401	DL	11.0	10.6	24.4	0.27	0.009	0.017	0.06	6.84	48.45	42.99	20.26	0.0	0.006	20.2	8.27	2.91	201.6	0.0	0.0	0.0
402	DL	10.9	10.1	24.5	0.26	0.009	0.016	0.06	6.65	48.46	44.04	20.33	0.0	0.006	20.2	8.53	2.99	201.5	0.0	0.0	0.0
403	DL	10.7	9.4	24.3	0.26	0.008	0.015	0.06	6.55	48.46	44.67	20.37	0.0	0.006	20.2	8.67	2.95	201.5	0.0	0.0	0.0
404	DL	10.6	8.7	22.8	0.26	0.008	0.014	0.06	6.41	48.45	45.53	20.43	0.0	0.006	20.1	8.80	2.92	201.5	0.0	0.0	0.0
405	DL	7.7	7.8	20.8	0.25	0.006	0.012	0.05	6.18	48.46	47.03	20.53	0.0	0.006	20.1	9.13	2.72	201.5	0.0	0.0	0.0
406	DL	10.4	7.2	19.8	0.23	0.008	0.011	0.05	5.86	48.46	49.20	20.68	0.0	0.006	20.1	9.62	2.68	201.5	0.0	0.0	0.0
407	DL	10.3	6.9	19.9	0.22	0.008	0.011	0.05	5.62	48.46	51.00	20.80	0.0	0.006	20.1	10.05	2.68	201.5	0.0	0.0	0.0
408	DL	10.3	6.6	20.0	0.22	0.008	0.011	0.05	5.50	48.47	51.89	20.86	0.0	0.006	20.2	10.28	2.74	201.5	0.0	0.0	0.0
409	DL	10.1	6.3	19.0	0.22	0.008	0.010	0.05	5.41	48.46	52.64	20.91	0.0	0.005	18.2	9.57	2.79	201.5	0.0	0.0	0.0
410	DL	9.8	6.0	16.5	0.21	0.008	0.010	0.04	5.18	48.46	54.62	21.05	0.0	0.004	13.8	7.57	2.79	201.5	0.0	0.0	0.0
411	DL	9.7	5.9	13.5	0.19	0.008	0.009	0.04	4.73	48.47	58.95	21.36	0.0	0.003	9.5	5.70	2.30	201.5	0.0	0.0	0.0
412	DL	9.5	5.8	12.1	0.17	0.007	0.009	0.03	4.21	48.48	64.86	21.80	0.0	0.002	6.6	4.50	3.09	201.5	0.0	0.0	0.0
414	DL	9.3	5.6	11.4	0.15	0.007	0.009	0.03	3.84	48.47	69.85	22.18	0.0	0.001	3.4	2.83	3.24	201.6	0.0	0.0	0.0
414	DL	9.0	5.3	11.6	0.14	0.007	0.008	0.03	3.63	48.47	72.98	22.43	0.0	0.000	1.8	1.25	3.11	201.7	0.0	0.0	0.0
415	DL	8.8	5.0	12.4	0.14	0.007	0.008	0.03	3.53	48.48	74.58	22.56	0.0	0.000	0.4	0.33	3.27	201.7	0.0	0.0	0.0
416	DL	8.6	4.7	13.3	0.14	0.007	0.008	0.04	3.50	48.49	75.21	22.61	0.0	0.000	0.1	0.10	3.43	201.8	0.0	0.0	0.0
417	DL	8.4	4.5	14.1	0.14	0.007	0.007	0.04	3.48	48.49	75.46	22.63	0.0	0.000	0.0	0.01	3.50	201.8	0.0	0.0	0.0
418	DL	8.2	4.5	14.7	0.14	0.007	0.007	0.04	3.50	48.49	75.29	22.62	0.0	0.000	0.0	1.25	3.55	201.8	0.0	0.0	0.0
419	DL	8.1	4.9	15.6	0.14	0.006	0.008	0.04	3.53	48.50	74.74	22.57	0.0	0.000	0.0	1.26	3.51	201.8	0.0	0.0	0.0
420	DL	8.2	7.9	18.9	0.15	0.006	0.013	0.05	3.66	48.50	72.44	22.38	0.0	0.000	0.9	0.58	3.44	201.8	0.0	0.0	0.0
421	DL	8.6	15.0	26.5	0.16	0.007	0.024	0.07	4.14	48.49	65.58	21.84	0.0	0.001	4.2	2.76	4.29	201.8	0.0	0.0	0.0
422	DL	9.1	26.8	36.3	0.21	0.007	0.043	0.10	5.20	48.50	54.29	21.00	0.0	0.001	5.4	2.83	7.67	201.9	0.0	0.0	0.0
423	DL	10.0	48.9	47.3	0.27	0.008	0.078	0.12	6.82	48.49	42.83	20.22	0.0	0.002	6.9	2.74	9.21	201.9	0.0	0.0	0.0
424	DL	11.0	80.9	61.4	0.36	0.009	0.129	0.16	8.99	48.50	33.35	19.62	0.0	0.002	8.6	2.62	11.26	201.9	0.0	0.0	0.0
425	DL	12.4	106.9	85.7	0.47	0.010	0.171	0.23	11.82	48.50	25.97	19.18	0.0	0.003	10.7	2.47	13.25	201.7	0.0	0.0	0.0
426	DL	14.0	111.5	120.4	0.62	0.011	0.178	0.32	15.51	48.50	20.22	18.86	0.0	0.003	12.6	2.24	12.74	201.7	0.0	0.0	0.0
427	DL	15.5	101.5	151.1	0.77	0.012	0.162	0.40	19.43	48.48	16.37	18.65	0.0	0.004	15.6	2.22	9.53	201.7	0.0	0.0	0.0
428	DL	16.9	88.7	167.5	0.91	0.013	0.142	0.44	22.83	48.46	14.05	18.53	0.0	0.005	17.4	2.12	6.79	201.8	0.0	0.0	0.0
429	DL	17.9	75.0	164.9	1.02	0.014	0.120	0.43	25.48	48.44	12.65	18.46	0.0	0.005	19.2	2.10	5.74	201.9	0.0	0.0	0.0
430	DL	17.9	60.9	129.1	1.05	0.014	0.097	0.34	26.28	48.41	12.29	18.44	0.0	0.006	20.1	2.14	5.38	202.0	0.0	0.0	0.0
431	DL	17.0	49.3	90.1	0.96	0.013	0.079	0.24	24.08	48.38	13.39	18.50	0.0	0.006	20.5	2.39	3.92	202.1	0.0	0.0	0.0
432	DL	15.7	40.7	67.0	0.82	0.012	0.065	0.18	20.65	48.40	15.53	18.62	0.0	0.006	20.4	2.77	3.26	202.1	0.0	0.0	0.0
433	DL	14.4	33.3	52.7	0.70	0.011	0.053	0.14	17.56	48.41	18.12	18.76	0.0	0.006	20.3	3.26	3.45	202.1	0.0	0.0	0.0
434	DL	13.3	26.5	40.4	0.59	0.011	0.042	0.11	14.92	48.42	21.15	18.93	0.0	0.006	20.1	3.78	3.37	202.2	0.0	0.0	0.0
435	DL	12.6	21.2	31.0	0.50	0.010	0.034	0.08	12.47	48.43	25.02	19.15	0.0	0.006	20.1	4.53	2.71	202.3	0.0	0.0	0.0
436	DL	12.0	17.8	25.3	0.42	0.010	0.028	0.07	10.47	48.43	29.37	19.41	0.0	0.006	20.0	5.38	2.60	202.4	0.0	0.0	0.0
437	DL	11.7	15.7	21.6	0.36	0.009	0.025	0.06	9.08	48.43	33.42	19.66	0.0	0.006	19.9	6.14	2.51	202.4	0.0	0.0	0.0
438	DL	11.5	14.0	18.8	0.32	0.009	0.022	0.05	8.10	48.44	37.00	19.88	0.0	0.005	19.8	6.86	2.48	202.5	0.0	0.0	0.0
439	DL	11.4	12.5	17.8	0.29	0.009	0.020	0.05	7.34	48.44	40.37	20.09	0.0	0.006	19.8	7.57	2.45	202.5	0.0	0.0	0.0
440	DL	11.2	11.0	18.4	0.27	0.009	0.018	0.05	6.76	48.45	43.40	20.29	0.0	0.006	19.8	8.23	2.45	202.6	0.0	0.0	0.0
441	DL	11.1	9.8	19.6	0.25	0.009	0.016	0.05	6.32	48.44	46.02	20.46	0.0	0.006	19.9	8.84	2.62	202.6	0.0	0.0	0.0
442	DL	11.0	9.1	21.3	0.24	0.009	0.015	0.06	6.03	48.44	47.95	20.59	0.0	0.006	20.0	9.30	2.81	202.5	0.0	0.0	0.0
443	DL	10.9	8.8	22.7	0.23	0.009	0.014	0.06	5.89	48.45	48.92	20.66	0.0	0.006	20.0	9.54	2.97	202.4	0.0	0.0	0.0
444	DL	10.7	8.6	23.3	0.23	0.008	0.014	0.06	5.86	48.45	49.11	20.67	0.0	0.006	20.1	9.60	3.02	202.4	0.0	0.0	0.0
445	DL	10.6	8.3	23.2	0.23	0.008	0.013	0.06	5.88	48.45	49.00	20.66	0.0	0.006	20.0	9.57	3.00	202.3	0.0	0.0	0.0
446	DL	10.5	7.9	22.3	0.23	0.008	0.013	0.06	5.86	48.45	49.16	20.68	0.0	0.006	20.0	9.56	2.91	202.3	0.0	0.0	0.0
447	DL	10.4	7.2	20.9	0.23	0.008	0.012	0.05	5.74	48.46	50.03	20.73	0.0	0.006	20.0	9.76	2.61	202.3	0.0	0.0	0.0
448	DL	10.3	6.5	19.5	0.22	0.008	0.010	0.05	5.55	48.45	51.54	20.84	0.0	0.006	20.0	10.10	2.54	202.3	0.0	0.0	0.0
449	DL	10.2	5.9	17.7	0.21	0.008	0.009	0.05	5.30	48.46	53.63	20.98	0.0	0.005	18.5	9.85	2.60	202.4	0.0	0.0	0.0
450	DL	9.9	5.8	14.8	0.20	0.008	0.009	0.04	4.95	48.47	56.80	21.21	0.0	0.004	14.0	8.07	2.55	202.4	0.0	0.0	0.0
451	DL	9.8	6.0	12.0	0.18	0.008	0.010	0.03	4.49	48.47	61.57	21.55	0.0	0.003	9.6	6.09	2.11	202.4	0.0	0.0	0.0
452	DL	9.7	5.9	11.2	0.16	0.008	0.009	0.03	4.05	48.47	66.90	21.95	0.0	0.002	6.8	4.78	2.92	202.4	0.0	0.0	0.0
453	DL	9.4	5.6	10.9	0.15	0.007	0.009	0.03	3.76	48.48	70.99	22.27	0.0	0.001	3.7	2.85	3.17	202.5	0.0	0.0	0.0
454	DL	9.1	5.3	11.4	0.14	0.007	0.008	0.03	3.56	48.49	74.17	22.52	0.0	0.001	1.9	1.52	3.08	202.5	0.0	0.0	0.0
455	DL	8.9	5.0	12.5	0.14	0.007	0.008	0.03	3.45	48.48	76.06	22.68	0.0	0.000	0.5	0.45	3.47	202.5	0.0	0.0	0.0
456	DL	8.7	4.8	13.7	0.14	0.007	0.008	0.04	3.41	48.49	76.75	22.74	0.0	0.000	0.1	0.08	3.53	202.6	0.0	0.0	0.0
457	DL	8.5	4.8	14.7	0.14	0.007	0.008	0.04	3.43	48.48	76.40	22.71	0.0	0.000	0.1	0.08	3.55	202.7	0.0	0.0	0.0
458	DL	8.3	4.8	15.3	0.14	0.007	0.008	0.04	3.48	48.49	75.48	22.63	0.0	0.000	0.0	0.02	3.61	202.7	0.0	0.0	0.0

459	DL	8.2	5.4	16.1	0.14	0.006	0.009	0.04	3.55	48.50	74.39	22.54	0.0	0.000	0.0	1.27	3.73	202.6	0.0	0.0	0.0
460	DL	8.3	8.6	19.6	0.15	0.007	0.014	0.05	3.70	48.50	71.83	22.33	0.0	0.000	1.4	0.92	3.67	202.6	0.0	0.0	0.0
461	DL	8.8	17.6	27.4	0.17	0.007	0.028	0.07	4.20	48.50	64.73	21.77	0.0	0.001	4.2	2.74	4.52	202.7	0.0	0.0	0.0
462	DL	9.5	35.0	38.0	0.21	0.007	0.056	0.10	5.32	48.49	53.07	20.91	0.0	0.002	5.6	2.85	8.23	202.7	0.0	0.0	0.0
463	DL	10.3	63.4	50.2	0.28	0.008	0.101	0.13	7.14	48.50	41.00	20.10	0.0	0.002	7.1	2.71	12.01	202.7	0.0	0.0	0.0
464	DL	11.2	98.6	66.0	0.38	0.009	0.158	0.17	9.60	48.50	31.35	19.50	0.0	0.002	8.9	2.53	14.02	202.6	0.0	0.0	0.0
465	DL	12.5	125.1	92.1	0.50	0.010	0.200	0.24	12.69	48.49	24.26	19.08	0.0	0.003	11.0	2.36	14.52	202.5	0.0	0.0	0.0
466	DL	13.9	129.3	129.1	0.66	0.011	0.207	0.34	16.51	48.49	19.02	18.79	0.0	0.004	13.2	2.19	12.93	202.3	0.0	0.0	0.0
467	DL	15.0	117.9	149.5	0.81	0.012	0.188	0.39	20.33	48.47	15.64	18.61	0.0	0.004	16.1	2.20	10.01	202.4	0.0	0.0	0.0
468	DL	16.0	108.6	153.7	0.91	0.013	0.173	0.40	22.91	48.45	13.96	18.52	0.0	0.005	17.3	2.10	6.79	202.7	0.0	0.0	0.0
469	DL	17.0	98.5	161.6	1.00	0.013	0.157	0.42	25.05	48.45	12.84	18.47	0.0	0.005	19.1	2.12	5.55	202.8	0.0	0.0	0.0
470	DL	17.4	82.5	147.1	1.07	0.014	0.132	0.39	26.78	48.43	12.05	18.43	0.0	0.006	20.4	2.13	6.18	202.9	0.0	0.0	0.0
471	DL	16.7	65.9	113.0	1.04	0.013	0.105	0.30	25.98	48.38	12.42	18.45	0.0	0.006	21.6	2.33	5.10	203.0	0.0	0.0	0.0
472	DL	15.3	52.3	78.2	0.91	0.012	0.083	0.20	22.87	48.39	14.07	18.54	0.0	0.006	20.4	2.51	3.68	203.0	0.0	0.0	0.0
473	DL	14.0	41.2	50.4	0.76	0.011	0.066	0.13	19.09	48.39	16.75	18.68	0.0	0.006	20.2	2.98	2.70	203.0	0.0	0.0	0.0
474	DL	13.1	32.1	32.3	0.62	0.010	0.051	0.08	15.55	48.40	20.34	18.88	0.0	0.006	19.9	3.60	2.41	203.0	0.0	0.0	0.0
475	DL	12.5	25.2	23.0	0.50	0.010	0.040	0.06	12.50	48.42	24.97	19.15	0.0	0.006	20.0	4.49	2.32	203.0	0.0	0.0	0.0
476	DL	12.0	20.8	19.9	0.40	0.009	0.033	0.05	10.16	48.42	30.18	19.46	0.0	0.006	20.0	5.51	2.35	203.0	0.0	0.0	0.0
477	DL	11.7	17.9	19.2	0.35	0.009	0.029	0.05	8.67	48.43	34.81	19.74	0.0	0.006	19.9	6.45	2.40	203.1	0.0	0.0	0.0
478	DL	11.5	15.8	19.1	0.31	0.009	0.025	0.05	7.78	48.43	38.31	19.96	0.0	0.006	19.9	7.17	2.46	203.2	0.0	0.0	0.0
479	DL	11.3	14.0	19.2	0.29	0.009	0.022	0.05	7.21	48.43	40.98	20.13	0.0	0.006	19.9	7.72	2.46	203.2	0.0	0.0	0.0
480	DL	11.1	12.2	19.6	0.27	0.009	0.019	0.05	6.77	48.43	43.35	20.29	0.0	0.006	19.9	8.25	2.50	203.2	0.0	0.0	0.0
481	DL	11.0	10.7	20.6	0.25	0.009	0.017	0.05	6.38	48.44	45.66	20.44	0.0	0.006	20.0	8.78	2.56	203.2	0.0	0.0	0.0
482	DL	10.8	9.8	21.6	0.24	0.009	0.016	0.06	6.09	48.43	47.51	20.56	0.0	0.006	20.0	9.22	2.76	203.2	0.0	0.0	0.0
483	DL	10.6	9.3	22.3	0.24	0.008	0.015	0.06	5.94	48.44	48.58	20.64	0.0	0.006	20.0	9.47	2.82	203.2	0.0	0.0	0.0
484	DL	10.5	9.1	23.0	0.23	0.008	0.014	0.06	5.90	48.44	48.88	20.66	0.0	0.006	20.1	9.55	2.83	203.2	0.0	0.0	0.0
485	DL	10.4	8.7	23.3	0.24	0.008	0.014	0.06	5.90	48.44	48.83	20.65	0.0	0.006	20.2	9.58	2.82	203.1	0.0	0.0	0.0
486	DL	10.3	8.4	23.6	0.24	0.008	0.013	0.06	5.92	48.46	48.75	20.65	0.0	0.006	20.2	9.59	2.79	203.1	0.0	0.0	0.0
487	DL	10.2	7.8	23.8	0.24	0.008	0.012	0.06	5.91	48.46	48.84	20.65	0.0	0.006	20.2	9.60	2.83	203.1	0.0	0.0	0.0
488	DL	10.0	7.1	22.8	0.23	0.008	0.011	0.06	5.85	48.45	49.28	20.68	0.0	0.006	20.2	9.68	2.76	203.2	0.0	0.0	0.0
489	DL	7.2	6.6	20.1	0.23	0.006	0.011	0.05	5.66	48.47	50.76	20.78	0.0	0.005	18.8	9.43	2.67	203.2	0.0	0.0	0.0
490	DL	9.6	6.4	16.5	0.21	0.008	0.010	0.04	5.32	48.46	53.46	20.97	0.0	0.004	14.5	7.76	2.69	203.3	0.0	0.0	0.0
491	DL	9.5	6.5	12.7	0.19	0.008	0.010	0.03	4.84	48.47	57.87	21.28	0.0	0.003	10.3	6.06	2.24	203.3	0.0	0.0	0.0
492	DL	9.4	6.4	11.2	0.17	0.007	0.010	0.03	4.32	48.47	63.49	21.69	0.0	0.002	7.3	4.83	2.73	203.2	0.0	0.0	0.0
493	DL	9.1	6.0	10.7	0.16	0.007	0.010	0.03	3.94	48.48	68.46	22.07	0.0	0.001	4.3	3.14	3.16	203.3	0.0	0.0	0.0
494	DL	8.9	5.5	11.1	0.15	0.007	0.009	0.03	3.66	48.49	72.59	22.40	0.0	0.001	2.2	1.79	3.13	203.3	0.0	0.0	0.0
495	DL	8.7	5.1	11.9	0.14	0.007	0.008	0.03	3.48	48.48	75.51	22.63	0.0	0.000	0.7	0.65	3.39	203.3	0.0	0.0	0.0
496	DL	8.5	4.9	12.9	0.13	0.007	0.008	0.03	3.38	48.48	77.18	22.77	0.0	0.000	0.0	0.05	3.63	203.4	0.0	0.0	0.0
497	DL	8.3	4.9	13.9	0.13	0.007	0.008	0.04	3.37	48.49	77.44	22.79	0.0	0.000	0.0	1.20	3.44	203.5	0.0	0.0	0.0
498	DL	8.1	4.9	14.6	0.14	0.006	0.008	0.04	3.41	48.49	76.72	22.73	0.0	0.000	0.0	1.22	3.58	203.5	0.0	0.0	0.0
499	DL	8.0	5.5	15.4	0.14	0.006	0.009	0.04	3.47	48.49	75.68	22.65	0.0	0.000	0.0	1.24	3.64	203.5	0.0	0.0	0.0
500	DL	8.1	10.2	18.8	0.14	0.006	0.016	0.05	3.61	48.50	73.25	22.44	0.0	0.000	1.1	0.71	3.64	203.5	0.0	0.0	0.0
501	DL	8.6	23.1	27.7	0.16	0.007	0.037	0.07	4.13	48.50	65.48	21.82	0.0	0.001	4.4	2.88	4.53	203.6	0.0	0.0	0.0
502	DL	9.4	45.0	40.2	0.22	0.007	0.072	0.11	5.45	48.50	51.96	20.82	0.0	0.002	5.8	2.90	9.74	203.6	0.0	0.0	0.0
503	DL	10.3	75.9	54.3	0.30	0.008	0.121	0.14	7.56	48.50	38.93	19.96	0.0	0.002	7.5	2.69	13.97	203.6	0.0	0.0	0.0
504	DL	11.3	106.9	73.8	0.41	0.009	0.171	0.19	10.33	48.50	29.33	19.37	0.0	0.003	9.4	2.48	14.26	203.5	0.0	0.0	0.0
505	DL	12.7	118.0	103.6	0.55	0.010	0.189	0.27	13.84	48.51	22.46	18.98	0.0	0.003	11.6	2.30	13.56	203.3	0.0	0.0	0.0
506	DL	13.9	108.4	124.3	0.70	0.011	0.173	0.33	17.60	48.49	17.95	18.74	0.0	0.004	13.9	2.16	11.33	203.2	0.0	0.0	0.0
507	DL	14.9	98.5	130.2	0.80	0.012	0.157	0.34	20.09	48.46	15.83	18.63	0.0	0.004	15.6	2.16	7.65	203.4	0.0	0.0	0.0
508	DL	16.1	92.8	144.3	0.87	0.013	0.148	0.38	21.79	48.45	14.66	18.56	0.0	0.005	17.2	2.20	5.47	203.7	0.0	0.0	0.0
509	DL	17.0	81.6	151.6	0.95	0.013	0.130	0.40	23.96	48.44	13.41	18.50	0.0	0.005	19.3	2.24	5.73	203.9	0.0	0.0	0.0
510	DL	16.9	64.8	120.0	1.00	0.013	0.103	0.31	25.02	48.42	12.88	18.47	0.0	0.006	20.2	2.26	6.06	204.0	0.0	0.0	0.0
511	DL	15.9	49.6	79.0	0.91	0.013	0.079	0.21	22.78	48.39	14.12	18.54	0.0	0.006	20.0	2.47	4.30	204.0	0.0	0.0	0.0
512	DL	14.7	38.9	51.3	0.75	0.012	0.062	0.13	18.90	48.40	16.91	18.69	0.0	0.005	19.3	2.87	3.12	204.0	0.0	0.0	0.0
513	DL	13.5	32.2	37.5	0.61	0.011	0.051	0.10	15.42	48.41	20.49	18.89	0.0	0.005	19.8	3.60	2.74	204.0	0.0	0.0	0.0
514	DL	12.7	27.9	34.2	0.52	0.010	0.045	0.09	13.09	48.42	23.87	19.09	0.0	0.006	20.0	4.29	3.17	204.0	0.0	0.0	0.0
515	DL	12.0	24.6	34.1	0.47	0.009	0.039	0.09	11.69	48.42	26.49	19.24	0.0	0.006	20.2	4.85	3.92	204.1	0.0	0.0	0.0
516	DL	11.5	21.1	32.1	0.43	0.009	0.034	0.08	10.71	48.41	28.72	19.37	0.0	0.006	20.0	5.26	4.12	204.1	0.0	0.0	0.0
517	DL	11.1	17.5	27.4	0.39	0.009	0.028	0.07	9.72	48.42	31.38	19.53	0.0	0.006	19.9	5.74	3.55	204.2	0.0	0.0	0.0

518	DL	10.8	14.7	23.1	0.34	0.009	0.024	0.06	8.60	48.43	35.09	19.76	0.0	0.006	19.9	6.51	2.72	204.2	0.0	0.0	0.0
519	DL	10.7	13.0	21.2	0.30	0.008	0.021	0.06	7.62	48.44	39.09	20.01	0.0	0.006	19.9	7.33	2.67	204.2	0.0	0.0	0.0
520	DL	10.6	11.9	20.6	0.28	0.008	0.019	0.05	6.97	48.44	42.25	20.21	0.0	0.006	19.9	8.02	2.66	204.2	0.0	0.0	0.0
521	DL	10.4	11.2	20.8	0.26	0.008	0.018	0.05	6.62	48.44	44.23	20.35	0.0	0.006	20.0	8.47	2.78	204.2	0.0	0.0	0.0
522	DL	10.3	10.4	21.5	0.26	0.008	0.017	0.06	6.42	48.45	45.41	20.42	0.0	0.006	20.0	8.74	2.86	204.2	0.0	0.0	0.0
523	DL	10.2	9.6	22.4	0.25	0.008	0.015	0.06	6.28	48.44	46.27	20.48	0.0	0.006	20.1	8.96	2.87	204.2	0.0	0.0	0.0
524	DL	10.1	8.9	23.2	0.25	0.008	0.014	0.06	6.15	48.44	47.13	20.54	0.0	0.006	20.1	9.18	2.89	204.2	0.0	0.0	0.0
525	DL	10.0	8.4	23.9	0.24	0.008	0.013	0.06	6.05	48.44	47.81	20.58	0.0	0.006	20.2	9.36	3.01	204.1	0.0	0.0	0.0
526	DL	9.9	8.1	24.0	0.24	0.008	0.013	0.06	5.98	48.45	48.29	20.62	0.0	0.006	20.2	9.49	3.07	204.1	0.0	0.0	0.0
527	DL	9.8	7.7	22.8	0.24	0.008	0.012	0.06	5.93	48.44	48.68	20.64	0.0	0.006	20.0	9.46	3.03	204.1	0.0	0.0	0.0
528	DL	9.7	7.2	19.7	0.23	0.008	0.012	0.05	5.79	48.45	49.69	20.71	0.0	0.006	19.9	9.66	2.72	204.1	0.0	0.0	0.0
529	DL	9.6	6.8	16.3	0.22	0.008	0.011	0.04	5.49	48.45	51.98	20.87	0.0	0.005	18.0	9.28	2.60	204.1	0.0	0.0	0.0
530	DL	9.4	6.5	13.4	0.20	0.007	0.010	0.04	5.06	48.46	55.71	21.13	0.0	0.004	14.1	7.85	2.52	204.1	0.0	0.0	0.0
531	DL	9.3	6.3	11.2	0.18	0.007	0.010	0.03	4.51	48.46	61.36	21.53	0.0	0.003	9.7	6.14	2.17	204.1	0.0	0.0	0.0
532	DL	9.2	6.2	11.1	0.16	0.007	0.010	0.03	3.98	48.46	67.85	22.02	0.0	0.002	6.7	4.85	3.28	204.2	0.0	0.0	0.0
533	DL	8.9	5.9	11.2	0.14	0.007	0.009	0.03	3.63	48.46	72.96	22.43	0.0	0.001	3.7	2.94	3.46	204.3	0.0	0.0	0.0
534	DL	8.7	5.6	11.6	0.14	0.007	0.009	0.03	3.44	48.46	76.19	22.69	0.0	0.001	2.0	1.71	3.37	204.2	0.0	0.0	0.0
535	DL	8.4	5.4	12.6	0.13	0.007	0.009	0.03	3.38	48.47	77.23	22.77	0.0	0.000	0.6	0.58	3.57	204.2	0.0	0.0	0.0
536	DL	8.2	5.3	13.6	0.14	0.007	0.008	0.04	3.40	48.47	76.81	22.74	0.0	0.000	0.2	0.19	3.58	204.2	0.0	0.0	0.0
537	DL	8.0	5.2	14.6	0.14	0.006	0.008	0.04	3.47	48.47	75.75	22.65	0.0	0.000	0.1	0.07	4.02	204.2	0.0	0.0	0.0
538	DL	7.9	5.1	15.1	0.14	0.006	0.008	0.04	3.53	48.48	74.74	22.57	0.0	0.000	0.0	1.26	3.88	204.2	0.0	0.0	0.0
539	DL	7.8	5.2	15.9	0.14	0.006	0.008	0.04	3.58	48.48	73.87	22.50	0.0	0.000	0.0	1.28	3.80	204.2	0.0	0.0	0.0
540	DL	7.8	6.6	18.3	0.15	0.006	0.011	0.05	3.69	48.48	72.10	22.36	0.0	0.000	1.0	0.66	3.78	204.2	0.0	0.0	0.0
541	DL	8.0	11.7	24.7	0.16	0.006	0.019	0.06	4.05	48.48	66.78	21.93	0.0	0.001	3.8	2.59	4.19	204.3	0.0	0.0	0.0
542	DL	8.6	26.3	34.9	0.19	0.007	0.042	0.09	4.89	48.49	57.09	21.20	0.0	0.001	5.0	2.79	6.05	204.4	0.0	0.0	0.0
543	DL	9.4	55.2	47.8	0.25	0.007	0.088	0.13	6.34	48.49	45.50	20.39	0.0	0.002	6.8	2.94	9.83	204.4	0.0	0.0	0.0
544	DL	10.3	93.6	63.4	0.34	0.008	0.150	0.17	8.56	48.49	34.74	19.70	0.0	0.002	8.7	2.76	14.86	204.2	0.0	0.0	0.0
545	DL	11.5	125.2	88.9	0.47	0.009	0.200	0.23	11.70	48.48	26.14	19.18	0.0	0.003	10.8	2.51	15.37	204.0	0.0	0.0	0.0
546	DL	13.0	132.0	125.2	0.64	0.010	0.211	0.33	16.07	48.49	19.53	18.82	0.0	0.004	13.0	2.21	13.77	203.9	0.0	0.0	0.0
547	DL	14.0	119.4	144.8	0.82	0.011	0.191	0.38	20.65	48.46	15.42	18.60	0.0	0.004	16.0	2.14	10.99	204.0	0.0	0.0	0.0
548	DL	15.0	109.8	146.0	0.93	0.012	0.175	0.38	23.43	48.44	13.66	18.51	0.0	0.005	17.0	2.02	7.62	204.2	0.0	0.0	0.0
549	DL	16.1	103.4	156.5	0.99	0.013	0.165	0.41	24.97	48.43	12.86	18.47	0.0	0.005	18.7	2.08	5.95	204.3	0.0	0.0	0.0
550	DL	16.6	88.9	149.2	1.05	0.013	0.142	0.39	26.45	48.43	12.19	18.43	0.0	0.006	20.4	2.15	7.02	204.5	0.0	0.0	0.0
551	DL	16.0	70.5	106.3	1.03	0.013	0.112	0.28	25.87	48.38	12.47	18.45	0.0	0.006	20.8	2.26	6.22	204.6	0.0	0.0	0.0
552	DL	14.8	54.2	66.0	0.90	0.012	0.086	0.17	22.45	48.37	14.32	18.55	0.0	0.006	19.8	2.48	4.16	204.7	0.0	0.0	0.0
553	DL	13.6	41.5	44.6	0.73	0.011	0.066	0.12	18.31	48.39	17.42	18.72	0.0	0.006	20.1	3.09	3.01	204.7	0.0	0.0	0.0
554	DL	12.6	32.2	35.3	0.59	0.010	0.051	0.09	14.88	48.40	21.19	18.93	0.0	0.006	20.2	3.81	2.88	204.7	0.0	0.0	0.0
555	DL	11.8	26.0	29.9	0.49	0.009	0.042	0.08	12.36	48.40	25.19	19.16	0.0	0.006	19.9	4.53	2.96	204.7	0.0	0.0	0.0
556	DL	11.4	22.2	23.2	0.42	0.009	0.035	0.06	10.50	48.41	29.26	19.40	0.0	0.005	19.5	5.20	2.95	204.7	0.0	0.0	0.0
557	DL	11.4	19.5	18.6	0.36	0.009	0.031	0.05	9.00	48.42	33.65	19.67	0.0	0.005	19.7	6.15	2.40	204.8	0.0	0.0	0.0
558	DL	11.3	17.2	18.2	0.32	0.009	0.027	0.05	7.95	48.42	37.57	19.91	0.0	0.005	19.7	6.95	2.48	204.8	0.0	0.0	0.0
559	DL	11.1	15.2	19.8	0.29	0.009	0.024	0.05	7.30	48.43	40.51	20.10	0.0	0.006	19.8	7.61	2.59	204.9	0.0	0.0	0.0
560	DL	10.9	13.5	22.4	0.28	0.009	0.022	0.06	6.90	48.43	42.59	20.24	0.0	0.006	20.0	8.11	2.77	204.9	0.0	0.0	0.0
561	DL	10.7	12.2	25.0	0.27	0.008	0.020	0.07	6.68	48.43	43.85	20.32	0.0	0.006	20.1	8.45	3.16	204.8	0.0	0.0	0.0
562	DL	10.5	11.3	26.1	0.26	0.008	0.018	0.07	6.57	48.43	44.49	20.36	0.0	0.006	20.2	8.61	3.44	204.8	0.0	0.0	0.0
563	DL	10.3	10.5	24.7	0.26	0.008	0.017	0.06	6.48	48.43	45.03	20.40	0.0	0.006	19.9	8.63	3.32	204.7	0.0	0.0	0.0
564	DL	10.1	9.8	21.7	0.25	0.008	0.016	0.06	6.28	48.44	46.28	20.48	0.0	0.006	19.9	8.90	2.81	204.7	0.0	0.0	0.0
565	DL	10.0	9.1	19.9	0.24	0.008	0.015	0.05	6.01	48.44	48.11	20.60	0.0	0.006	19.9	9.31	2.57	204.7	0.0	0.0	0.0
566	DL	9.9	8.6	19.6	0.23	0.008	0.014	0.05	5.78	48.45	49.76	20.72	0.0	0.006	20.0	9.70	2.57	204.8	0.0	0.0	0.0
567	DL	9.9	8.0	20.1	0.22	0.008	0.013	0.05	5.62	48.44	50.98	20.80	0.0	0.006	20.0	10.00	2.59	204.8	0.0	0.0	0.0
568	DL	9.8	7.4	20.6	0.22	0.008	0.012	0.05	5.51	48.46	51.83	20.86	0.0	0.006	20.1	10.23	2.81	204.8	0.0	0.0	0.0
569	DL	9.6	6.9	19.7	0.21	0.008	0.011	0.05	5.38	48.46	52.92	20.93	0.0	0.005	18.8	9.90	3.01	204.8	0.0	0.0	0.0
570	DL	9.4	6.7	16.8	0.20	0.007	0.011	0.04	5.10	48.45	55.34	21.10	0.0	0.004	13.8	7.70	3.03	204.8	0.0	0.0	0.0
571	DL	9.2	6.8	13.6	0.18	0.007	0.011	0.04	4.64	48.47	59.86	21.42	0.0	0.003	9.9	6.09	2.61	204.8	0.0	0.0	0.0
572	DL	9.0	6.7	12.1	0.17	0.007	0.011	0.03	4.19	48.47	65.08	21.81	0.0	0.002	6.9	4.68	3.34	204.8	0.0	0.0	0.0
573	DL	8.8	6.2	11.3	0.15	0.007	0.010	0.03	3.87	48.48	69.33	22.14	0.0	0.001	4.0	2.96	3.39	204.9	0.0	0.0	0.0
574	DL	8.5	5.8	11.6	0.15	0.007	0.009	0.03	3.66	48.48	72.53	22.39	0.0	0.001	1.9	1.55	3.26	204.9	0.0	0.0	0.0
575	DL	8.3	5.5	12.4	0.14	0.007	0.009	0.03	3.54	48.48	74.51	22.55	0.0	0.000	0.6	0.54	3.51	205.0	0.0	0.0	0.0
576	DL	8.1	5.2	13.4	0.14	0.006	0.008	0.04	3.48	48.48	75.55	22.64	0.0	0.000	0.1	0.07	3.54	205.0	0.0	0.0	0.0

577	DL	7.9	5.0	14.3	0.14	0.006	0.008	0.04	3.46	48.49	75.85	22.66	0.0	0.000	0.0	1.24	3.46	204.9	0.0	0.0	0.0
578	DL	7.8	5.0	14.8	0.14	0.006	0.008	0.04	3.48	48.49	75.46	22.63	0.0	0.000	0.0	1.24	3.53	205.0	0.0	0.0	0.0
579	DL	7.6	5.0	15.0	0.14	0.006	0.008	0.04	3.52	48.50	74.88	22.58	0.0	0.000	0.0	1.26	3.71	205.0	0.0	0.0	0.0