

UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF COLUMBIA

UNITED STATES OF AMERICA,

Plaintiff,

v.

CUMMINS INC.,

Defendant.

PEOPLE OF THE STATE OF
CALIFORNIA,

Plaintiff,

v.

CUMMINS INC.,

Defendant.

CONSENT DECREE

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CONSENT DECREE

A. Plaintiff the United States of America, on behalf of the United States Environmental Protection Agency (“EPA”), is concurrently with the lodging of this Consent Decree filing a complaint in this action (the “U.S. Complaint”) alleging that Defendant Cummins Inc. (“Cummins”) violated Sections 203(a)(1) and (a)(3) of the Clean Air Act (the “Act”), 42 U.S.C. §§ 7522(a)(1) and (a)(3).

B. The U.S. Complaint alleges that Cummins committed those violations with respect to nearly one million Model Year (“MY”) 2013-2023 RAM 2500 and RAM 3500 vehicles equipped with 6.7 liter diesel engines, where Cummins manufactured the vehicle engines and sought the air pollutant emissions-related EPA Certificates of Conformity and California Air Resources Board (“CARB”) Executive Orders that were legally required for those vehicles (collectively, the “Subject Vehicles”).

C. The U.S. Complaint and this Consent Decree separate the Subject Vehicles into two distinct sub-categories based on their MYs and electronic control unit software configurations/calibrations, with those two vehicle sub-categories described and defined below and in Appendix A hereto as: (i) the “2013-2019 RAMs” and (ii) the “2019-2023 RAMs.” As defined below and in Appendix A, the 2019 RAMs are included in both sub-categories because the 2019 RAMs have different software calibrations that distinguish those vehicles.

D. The U.S. Complaint alleges that the 2013-2019 RAMs had certain software functions and calibrations that caused the emission control system of those vehicles to perform differently — and sometimes underperform — during normal vehicle operation and use than during emissions testing. The U.S. Complaint alleges that, during normal vehicle operation and use, the 2013-2019 RAMs have emitted increased levels of oxides of nitrogen (“NOx”). The

U.S. Complaint alleges that some of the software functions and calibrations installed in the 2013-2019 RAMs are prohibited Defeat Devices under the Act. Finally, the U.S. Complaint alleges that some software functions and calibrations in the 2013-2019 RAMs constituted Auxiliary Emission Control Devices (“AECDs”) that were either not disclosed or not adequately disclosed during the vehicle emission certification process, in violation of the Act.

E. The U.S. Complaint alleges that some software functions and calibrations in the MY 2019-2023 RAMs constituted AECDs that were either not disclosed or not adequately disclosed during the vehicle emission certification process, in violation of the Act. The U.S. Complaint does not allege that the 2019-2023 RAMs were equipped with prohibited Defeat Devices.

F. The People of the State of California, acting by and through Rob Bonta, Attorney General of the State of California (the “California Attorney General”), and CARB (collectively, “California Plaintiffs”), are concurrently with the lodging of this Consent Decree filing a complaint in this action (the “California Complaint”) against Cummins. This Consent Decree partially resolves the claims in the California Complaint. In the California Complaint, CARB alleges that Cummins violated certain provisions of California law — including without limitation California Health and Safety Code sections 43008.6, 43016, 43106, 43151, 43154, 43211, and 43212; California Vehicle Code section 27156; 13 C.C.R. §§ 1961, 1961.2, 1965, and 1968.2; and 42 U.S.C. § 7604 and 40 C.F.R. § 54.3 — with regard to approximately one-hundred thousand MY 2013-2023 RAM 2500 and RAM 3500 vehicles equipped with diesel engines manufactured by Cummins and sold and/or distributed in California (a subset of the Subject Vehicles). In the California Complaint, the California Attorney General also alleges that Cummins violated provisions of California law — including without limitation California

Business and Professions Code sections 17200 et seq., based on predicate violations by Cummins of federal and state statutes and regulations, and California Civil Code section 3494— with regard to the MY 2013-2023 RAM 2500 and RAM 3500 vehicles. A separate proposed Consent Decree between Defendant and the California Plaintiffs has been lodged concurrently with this Consent Decree (“California Partial Consent Decree”). The California Partial Consent Decree resolves the remaining claims in the California Complaint, including the claims brought by the California Attorney General.

G. The California Complaint alleges, among other things, that the Subject Vehicles sold or distributed in California contain undisclosed AECDs and/or prohibited Defeat Devices, and undisclosed running changes and field fixes, in violation of California law, and that some have resulted in increased NOx emissions from each Subject Vehicle in excess of California limits.

H. Cummins denies the allegations in the Complaints and does not admit any liability to the United States, the California Plaintiffs, or otherwise arising out of or in connection with the allegations in the Complaints.

I. Based on information and submissions provided by Cummins, EPA and CARB annually certified that the software configurations/calibrations installed in the Subject Vehicles complied with the requirements of the Act and, as to CARB, also with California law.

J. After certification of the MY 2023 Subject Vehicles, Cummins submitted supplemental AECD disclosures for those vehicles on December 21, 2022, which added a disclosure for a software feature identified as an “Alternative NOx Conversion Target Table.”

K. Before the lodging of this Consent Decree, Cummins: (i) devised Emission Modifications (as defined below) for the 2013-2019 RAMs; (ii) conducted vehicle testing with

the Emissions Modifications in accordance with protocols reviewed by EPA and CARB; and (iii) commenced installation of its revised software configurations/calibrations as updates for Eligible Vehicles (as defined below) through a set of vehicle recall programs.

L. The Emission Modifications that have been and will be installed in Eligible Vehicles update the emission control software of the 2013-2019 RAMs with upgraded calibrations that are designed to achieve better emission performance. The installation of the Emission Modifications does not involve or require any associated mechanical adjustments or parts replacements.

M. After the lodging of this Consent Decree, Cummins will ensure the continued installation of its revised software configurations/calibrations as updates for Eligible Vehicles through ongoing vehicle recall programs conducted in accordance with the requirements of this Consent Decree.

N. Based upon the results of the prior vehicle testing with Cummins' revised software configurations/calibrations and the additional testing required by this Consent Decree, EPA and CARB consider the updates to the Eligible Vehicles, together with the other terms set forth in this Consent Decree, to be an appropriate remedy for, and to resolve in full, their respective allegations in the Complaints, as set forth in Section VI.A (2013-2019 RAM Compliance) of this Consent Decree. However, this Consent Decree does not resolve the claims of the California Attorney General alleged in the California Complaint, which are resolved by the California Partial Consent Decree.

O. The Parties recognize, and the Court by entering this Consent Decree finds, that the United States and CARB are not issuing new Certificates of Conformity or Executive Orders, respectively, for the Subject Vehicles, nor are they revoking the existing Certificates of

Conformity or Executive Orders for the Subject Vehicles. The Parties also recognize that the requirements of this Consent Decree only apply to imports and sales into the United States.

P. The Parties recognize, and the Court by entering this Consent Decree finds, that this Consent Decree has been negotiated by the Parties in good faith and will avoid litigation among the Parties and that this Consent Decree is fair, reasonable, and in the public interest.

NOW, THEREFORE, before the taking of any testimony, without the adjudication or admission of any issue of fact or law except as provided in Section I, and with the consent of the Parties, IT IS HEREBY ADJUDGED, ORDERED, AND DECREED as follows:

I. JURISDICTION AND VENUE

1. This Court has jurisdiction over the subject matter of this action, pursuant to 28 U.S.C. §§ 1331, 1345, and 1355, and Sections 203, 204, and 205 of the Act, 42 U.S.C. §§ 7522, 7523, and 7524, and over the Parties. Venue lies in this District pursuant to 28 U.S.C. § 1391 and 1395(a). The Court has supplemental jurisdiction over the California State law claims pursuant to 28 U.S.C. § 1367. For purposes of this Consent Decree, or in any action to enforce this Consent Decree, Cummins consents to this Court's jurisdiction over this Consent Decree and over any action to enforce this Consent Decree, and over Cummins, and consents to venue in this judicial district. Cummins reserves the right to challenge and oppose any claims to jurisdiction that do not arise from the Court's jurisdiction over this Consent Decree or an action to enforce this Consent Decree.

2. For purposes of this Consent Decree only, Cummins agrees that: (i) the U.S. Complaint states claims upon which relief may be granted pursuant to Sections 203, 204, and 205 of the Act, 42 U.S.C. §§ 7522, 7523, and 7524; and (ii) the California Complaint states claims upon which relief may be granted pursuant to California Health and Safety Code sections

43008.6, 43016, 43151, 43154, 43211, and 43212; California Vehicle code section 27156; 13 C.C.R. §§ 1961, 1961.2, 1965, and 1968.2; and 42 U.S.C. § 7604 and 40 C.F.R. § 54.3.

II. APPLICABILITY

3. The obligations of this Consent Decree apply to and are binding upon the United States and CARB, and upon Cummins and any successors, assigns, or other entities or persons otherwise bound by law.

4. No transfer of ownership or operation, whether in compliance with the procedures of this Paragraph or otherwise, shall relieve Cummins of its obligation to ensure that the terms of the Decree are implemented. At least 30 Days prior to such transfer, Cummins shall provide a copy of this Consent Decree to the proposed transferee and shall simultaneously provide written notice of the prospective transfer, together with a copy of the proposed written agreement, to the United States, CARB, and the California Attorney General in accordance with Section XV (Notices and Submissions).

5. Cummins shall provide a copy of this Consent Decree to the members of its Board of Directors and to its officers and executives whose duties might reasonably include compliance with, or oversight of compliance with, any provision of this Consent Decree. Cummins shall also ensure that any contractor or Business Partner that will perform work required under this Consent Decree, or any agent or employee whose duties might reasonably include the performance of work required under this Consent Decree, are made aware of those requirements relevant to their performance. Cummins shall undertake reasonable best efforts to condition any contract for performance of work required under this Consent Decree upon performance of the work in conformity with the terms of this Consent Decree.

6. In any action to enforce this Consent Decree, Cummins shall not raise as a defense the failure by any of its officers, directors, employees, agents, contractors, or Business Partners to take any actions necessary to comply with the provisions of this Consent Decree, except in accordance with the provisions of Section X (Force Majeure), below.

III. DEFINITIONS

7. Capitalized terms used in this Consent Decree that are defined in the Act or in regulations promulgated pursuant to the Act have the meanings assigned to them in the Act or such regulations, unless otherwise provided in this Consent Decree. Likewise, where context-appropriate, capitalized terms that are defined in the California Health and Safety Code or in CARB regulations promulgated pursuant to the California Health and Safety Code shall have the meanings assigned to them in the California Health and Safety Code or such regulations, unless otherwise provided in this Consent Decree. Capitalized terms that are defined in this Consent Decree are defined for purposes of this Consent Decree only and are not defined or applicable for any other purpose. Whenever the capitalized terms set forth below are used in this Consent Decree, the following definitions apply:

- a. “2013-2019 RAMs” means the sub-category of Subject Vehicles identified as 2013-2019 RAMs in Appendix A.
- b. “2019-2023 RAMs” means the sub-category of Subject Vehicles identified as 2019-2023 RAMs in Appendix A.
- c. “2019-2023 RAM Software Configurations/Calibrations” means the Emissions Control System software configurations/calibrations prescribed by Cummins that are: (i) installed in the 2019-2023 RAMs as of the Date of Lodging; and

(ii) subsequently installed in the 2019-2023 RAMs as modifications or adjustments before Termination of this Consent Decree.

d. “Air Pollution Control Fund” means the fund established by California Health and Safety Code section 43015.

e. “Auxiliary Emission Control Device” or “AECDD” has the meaning set forth in 40 C.F.R. § 86.1803-01.

f. “Business Day” means a calendar day that does not fall on a Saturday, Sunday, or federal or California holiday. In computing any period of time under this Consent Decree, where the last Day would fall on a Saturday, Sunday, a federal holiday, or a California or Indiana state holiday, the period shall run until the close of business of the next Business Day. The time in which any act provided by this Consent Decree is to be done is computed by excluding the first day, and including the last, unless the last day is a Saturday, Sunday, or federal, Indiana, or California holiday, and then it is also excluded.

g. “Business Partners” means: (1) Cummins’ First-Tier Customer; and (2) Dealers.

h. “CA AG” or “California Attorney General” means the California Attorney General Rob Bonta and any of his successors.

i. “Calendar Quarter” means the period of time in a calendar year from January 1- March 30, from April 1-June 30, from July 1-September 30, or from October 1-December 31. In measuring time by Calendar Quarters after the Consent Decree’s Effective Date, the Calendar Quarters after the Effective Date shall not be construed to include the Calendar Quarter that includes the Consent Decree’s Effective

Date. For example, if the Consent Decree’s Effective Date is January 15 of a given year, then the first Calendar Quarter after the Effective Date is April 1-June 30 of that year.

j. “California” or “CA” means the State of California.

k. “California Complaint” means the complaint filed by the State of California in this action.

l. “California EMP Rate” means the California Emission Modification Program success rate of at least 85% for the 2013-2019 RAMs in California specified in Consent Decree Paragraph 24.d.

m. “CARB” means the California Air Resources Board and any of its successor departments or agencies.

n. “CDCS” means Consolidated Debt Collection System.

o. “CDX” means Central Data Exchange, the EPA’s electronic reporting site which can be found at https://cdx.epa.gov/epa_home.asp.

p. “Certificate of Conformity” means the document that EPA issues to a vehicle or engine manufacturer to certify that a vehicle or engine class conforms to EPA requirements.

q. “Clean Air Act” or “Act” means 42 U.S.C. §§ 7401–7671q.

r. “Complaints” means the U.S. Complaint and the California Complaint.

s. “Confidential Business Information” or “CBI” means information protected under 40 C.F.R. Part 2 and/or comparable California law, including California Government Code § 7920.000 et seq. and 17 C.C.R. §§ 91000 et seq.

t. “Consent Decree” or “Decree” means this Consent Decree and all appendices attached hereto (listed in Section XXV (Appendices)).

u. “Consumer Emission Modification Disclosure” means the disclosure to all affected Eligible Owners and Eligible Lessees made and described in Consent Decree Paragraphs 20.c and 21.c.

v. “Cummins” means Defendant Cummins Inc.

w. “Date of Lodging” means the day this Consent Decree is filed for lodging with the Court, before commencement of the opportunity for public comment envisioned by Section XX (Public Participation).

x. “Day” means a calendar day unless expressly stated to be a Business Day. In computing any period of time for a deadline under this Consent Decree, where the last day would fall on a Saturday, Sunday, a federal holiday, or a California or Indiana state holiday, the period runs until the close of business of the next Business Day. The time in which any act provided by this Consent Decree is to be done is computed by excluding the first day, and including the last, unless the last day is a Saturday, Sunday, or federal, Indiana, or California holiday, and then it is also excluded.

y. “Dealers” means RAM truck dealers authorized by the First-Tier Customer to sell and/or service Subject Vehicles in the United States.

z. “Defeat Device” has the meaning provided under 40 C.F.R. § 86.1803-01 and 42 U.S.C. § 7522(a)(3)(B).

aa. “Diesel Exhaust Fluid” or “DEF” means a liquid reducing agent used in conjunction with selective catalytic reduction to reduce NOx emissions. DEF is generally understood to be an aqueous solution of urea conforming to the specification of ISO 22241.

bb. “Diesel-Fueled Engines” means engines with operating characteristics significantly similar to the theoretical diesel combustion cycle. The non-use of a throttle during normal operation is indicative of a diesel engine as that term is used in 40 C.F.R. Part 86, Subpart S.

cc. “Diesel Fueled Vehicles” means vehicles equipped with Diesel-Fueled Engines.

dd. “DOJ” means the United States Department of Justice and any of its successor departments or agencies.

ee. “Effective Date” means the date upon which this Consent Decree is entered by the Court or a motion to enter the Consent Decree is granted, whichever occurs first, as recorded on the Court’s docket.

ff. “Eligible Lessee” means: (1) the current lessee or lessees of an Eligible Vehicle with an active lease as of the date the Eligible Vehicle receives the applicable Emission Modification; or (2) solely for purposes of any applicable Special Extended Warranty, the subsequent lessee or lessees of an Eligible Vehicle that has received the applicable Emission Modification.

gg. “Eligible Owner” means: (1) the owner or owners of an Eligible Vehicle on the day that the Eligible Vehicle receives or is eligible to receive the Emission Modification; or (2) solely for purposes of any applicable Special Extended Warranty, the subsequent owner or owners of an Eligible Vehicle that has received the Emission Modification.

hh. “Eligible Vehicle” means any 2013-2019 RAM that is: (1) registered with a state Department of Motor Vehicles or equivalent agency or held by a Dealer or

unaffiliated dealer and located in the United States; and (2) operable as of the date the vehicle is brought in for the Emission Modification. For the provisions of this Consent Decree concerning the MY 2019 Special Extended Warranty, the term “Eligible Vehicle” shall also include any MY 2019 RAM that was originally equipped with the 2019 Emission Modification (also known as MY 2019 RAM Software Calibration 3). “Eligible Vehicles” includes any RAM vehicles imported into the United States and equipped with the Pre-Replacement Software Configurations for the MY 2013-2018 RAMs or the MY 2019 RAMs.

ii. “Emission Control System” means all emission control devices, auxiliary emission control devices, engine modifications and strategies, and other elements of design that are used to control exhaust emissions of a vehicle.

jj. “Emission Modification” or “Emissions Modifications” means the revised software configurations/calibrations that Cummins and its Business Partners have been and will be installing in Subject Vehicles as part of the Emissions Modification Program outlined in Consent Decree Paragraph 20 (relating to the 2019 Emission Modification) and/or Consent Decree Paragraph 21 (relating to the 2013-2018 Emission Modification). The terms “Emission Modification” and “Emissions Modifications” shall also include and encompass any Allowable Emissions Modification Adjustments to the 2019 Emission Modification and/or the 2013-2018 Emission Modification that are made in compliance with Consent Decree Paragraph 23.

kk. “EPA” means the United States Environmental Protection Agency and any of its successor departments or agencies.

ll. “Field Fix” has the meaning pursuant to 40 C.F.R. § 86.1842-01(b) and/or 13 C.C.R. §§ 1961(d), 1961.2(d) and/or CARB Manufacturer’s Advisory Correspondence #79-002, “Field Fixes Involving Emission-Related Components,” (Jan. 31, 1979), and/or EPA Advisory Circular 2B, *Field Fixes Related to Emission Control-Related Components* dated March 17, 1975, as applicable.

mm. “First-Tier Customer” means FCA US LLC, which purchased Diesel-Fueled Engines from Cummins for use in Subject Vehicles that FCA US LLC manufactured.

nn. “Flat File” means a comprehensive file that consists of a series of rows of test records organized in columns of test parameters or variables from dynamometer tests. The unique records are identified in a tabular format by test vehicle, test ID, test type, and phase number. The tabular file is to be provided in Excel format.

oo. “Materials” means submissions and other documents, certifications, plans, reports, notifications, statements of position, data, or other information required by or submitted pursuant to this Consent Decree.

pp. “MIL” means the malfunction indicator light of the OBD system outlined in 13 C.C.R. § 1968.2 that illuminates to notify the vehicle operator of detected malfunctions.

qq. “Model Year” or “MY” has the meaning provided under 40 C.F.R. § 86.1803–01.

rr. “MY 2013-2018 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2013, MY 2014, MY 2015, MY 2016, MY 2017, and MY 2018 RAM vehicles.

ss. “MY 2018 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2018 RAM vehicles, including both the MY 2018 RAM vehicles in Test Group CEXD06.78VV2500 and the MY 2018 RAM vehicles in Test Group CEXD06.78WV.

tt. “MY 2018 RAM Emission Standard” means the following full useful life emissions standards: (1) for Test Group JCEXD06.78VV — Federal Tier 3, HD Class 2b, Bin 250, as set forth in 40 C.F. R. § 86.1816-18, and California LEV III ULEV250, as set forth in 13 C.C.R. § 1961; and (2) for Test Group JCEXD06.78WV — Federal Tier 3, HD Class 3, Bin 400, as set forth in 40 C.F. R. § 86.1816-18, and California LEV III ULEV400, as set forth in 13 C.C.R. § 1961.

uu. “MY 2019 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2019 RAM vehicles, including the MY 2019 RAM 2500 and MY 2019 RAM 3500 vehicles originally equipped with Software Calibration 1 and Software Calibration 3.

vv. “National EMP Rate” means the National Emission Modification Program success rate of at least 85% for the 2013-2019 RAMs in the United States specified in Consent Decree Paragraph 24.c.

ww. “NHTSA” means the National Highway Traffic Safety Administration and any of its successor departments or agencies.

xx. “NO_x” means oxides of nitrogen, i.e., the sum of the nitric oxide and nitrogen dioxide contained in a gas sample as if the nitric oxide were in the form of nitrogen dioxide.

yy. “On-Board Diagnostic System” or “OBD System” means all hardware, components, parts, sensors, subassemblies, software, AECDs, calibrations, and other elements of design that collectively constitute the system for monitoring all systems and components that must be monitored pursuant to the version of 13 C.C.R. § 1968.2 applicable at the time of certification for the particular Model Year of a Subject Vehicle, for the purpose of identifying and detecting malfunctions of such monitored systems and components, and for alerting the driver of such potential malfunctions by illuminating the MIL.

zz. “Paragraph” means a portion of this Consent Decree identified by an Arabic numeral.

aaa. “Parties” means the United States, the People of California by and through CARB, and Cummins.

bbb. “Pre-Replacement Software Configurations” means the Cummins-designed software configurations/calibrations in Subject Vehicles that were: (1) installed in certain MY 2019 RAMs before the commencement of the Emission Modification Program for MY 2019 outlined in Consent Decree Paragraph 20; and (2) installed in certain MY 2013-2018 RAMs before the commencement of Emission Modification Program for MY 2013-2018 outlined in Consent Decree Paragraph 21; and (3) installed in the 2019-2023 RAMs before the Date of Lodging.

ccc. “Records” means all non-identical copies of all documents, records, reports, or other information (including documents, records, or other information in electronic form).

ddd. “Root-Cause Evaluation” means an investigation of an In-Use Confirmatory Program (“IUCP”) noncompliance, as described in Paragraph 30.e of this Consent Decree, that occurs in a Subject Vehicle during implementation of this Consent Decree and which requires investigation pursuant to this Consent Decree. The purpose of the Root-Cause Evaluation is to identify the reason(s) why the IUCP noncompliance occurred. A Root-Cause Evaluation shall also include an assessment of whether the noncompliance is likely to occur in five or more Subject Vehicles and, if so, shall include the recommended actions to be taken by Cummins, if any, to address such noncompliance in Subject Vehicles.

eee. “Running Change” has the meaning provided under 40 C.F.R. § 86.1803-01.

fff. “Section” means a portion of this Consent Decree identified by a Roman numeral.

ggg. “Special Extended Warranty” means the warranty provided pursuant to the Consent Decree Paragraphs 19 and 26.

hhh. “Subject Vehicles” means any vehicles identified in Appendix A that were sold or offered for sale in (or introduced or delivered for introduction into commerce in) the United States and that are or were purported to have been covered by the EPA test groups listed in Appendix A, including such vehicles sub-categorized as 2013-2019 RAMs and 2019-2023 RAMs.

iii. “Submission” means any plan, report, application, or other item that is required to be submitted for approval pursuant to this Consent Decree.

jjj. “Test Group” means a vehicle family that is grouped together for certification and compliance purposes because the vehicles are expected to have similar emission characteristics throughout their useful life periods. Each Test Group is assigned a unique alphanumeric Test Group that begins with a one-digit model year date code. As used in this Consent Decree, the term “Test Group Suffix” means the portion of the alphanumeric Test Group code after the one-digit model year date code. For example, as shown in Appendix A, the Test Group Suffix for the 2019-2023 RAM 2500 vehicles is “CEXD06.78VV” and the Test Group Suffix for the 2019-2023 RAM 3500 vehicles is “CEXD06.78WV.”

kkk. “Undisclosed AECD” means an AECD installed in Subject Vehicles that:

- (1) Cummins developed and prescribed for installation in Subject Vehicles; and
- (2) Cummins did not list and describe as required by 40 C.F.R. § 86.1844-01(d)(11) and/or 40 C.F.R. § 86.1842-01. Provided, however, that solely for the purpose of this Consent Decree, the specially defined term “Undisclosed AECD” shall not include:
 - (1) the Alternative NOx Conversion Target Table AECD disclosed in Cummins’ December 21, 2022, supplemental AECD disclosure for MY 2023 Subject Vehicles; and
 - (2) prior versions or iterations of the Alternative NOx Conversion Target Table AECD previously installed in other Subject Vehicles.

lll. “United States” means the United States of America, acting on behalf of EPA. For the purpose of this Consent Decree, geographic references to the “United States” shall mean the United States of America’s 50 states, District of Columbia, and permanently inhabited territories of American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands.

mmm. “U.S. Complaint” means the complaint filed by the United States in this action.

nnn. “VIN” means vehicle identification number as defined in 49 C.F.R. § 565.12.

IV. CIVIL PENALTY

8. Civil Penalty Payments Under this Consent Decree. Within 30 Days after the Effective Date, Cummins shall pay the total sum of \$1,642,000,000 as a civil penalty, together with interest accruing from the Date of Lodging, at the rate specified in 28 U.S.C. § 1961. That civil penalty payment under this Consent Decree will be divided between the United States and CARB as follows:

a. Cummins shall pay the United States \$1,478,000,000 (together with the accrued interest on that amount).

b. Cummins shall pay CARB \$164,000,000 (together with the accrued interest on that amount).

9. Instructions for Payment to the United States.

a. Cummins shall pay the amount set forth in Paragraph 8.a to the United States by FedWire Electronic Funds Transfer to the DOJ account, in accordance with instructions provided to Cummins by the Financial Litigation Unit of the United States Attorney’s Office for the District of Columbia after the Effective Date. The payment instructions provided by the Financial Litigation Unit will include a CDCS number, which Cummins shall use to identify all payments required to be made in accordance with this Consent Decree. The Financial Litigation Unit will provide the payment instructions to:

Cummins Inc.
Treasury & Tax
500 Jackson Street, MC 60128
Email: To Be Provided by Cummins

on behalf of Cummins no later than five Business Days after the Effective Date.

Cummins may change the individual to receive payment instructions on its behalf by providing written notice of such change to DOJ and EPA in accordance with Section XV (Notices and Submissions).

b. At the time of payment to the United States, Cummins shall send notice that payment has been made: (i) to EPA via email at cinwd_acctsreceivable@epa.gov or via regular mail at EPA Cincinnati Finance Office, 26 W. Martin Luther King Drive, Cincinnati, Ohio 45268; (ii) to EPA via email or regular mail in accordance with Section XIV; and (iii) to DOJ via email or regular mail in accordance with Section XV (Notices and Submissions). Such notice shall state that the payment is for the civil penalty owed pursuant to the Consent Decree in *United States, v. Cummins Inc.* and shall reference the civil action number, CDCS Number and DOJ case number 90-5-2-1-12300.

10. Instructions for Payment to CARB.

a. Cummins shall pay the amount set forth in Paragraph 8.b to the “California Air Resources Board” by check, accompanied by a Payment Transmittal Form (which CARB will provide to the addressee listed in Paragraph 9.a no later than five Business Days after the Effective Date), with the check mailed to:

California Air Resources Board
Accounting Office
P.O. Box 1436
Sacramento, CA 95812-1436;

or by wire transfer, in which case Cummins shall use the following wire transfer information and send the Payment Transmittal Form to the above address prior to each wire transfer:

State of California Air Resources Board
c/o Bank of America, Inter Branch to 0148
Routing No. 0260-0959-3; Account No. 01482-80005
Notice of Transfer: Accounting; Fax: (916) 322-9612
Reference: United States v. Cummins, CARB Case #C00261.

Cummins is responsible for any bank charges incurred for processing wire transfers, and for replacing any checks due to a check bouncing or being lost in the mail.

b. Penalties paid to CARB under this Consent Decree shall be deposited into the Air Pollution Control Fund for the purpose of enhancing CARB's mobile source emissions control program through additional certification review, in-use evaluation, real-world testing, enforcement actions, and other CARB activities related to the control of air pollution.

11. At the time of payment to CARB, Cummins shall send electronic notice that payment has been made to CARB via email to CumminsCD@arb.ca.gov and by email in accordance with Section XV (Notices and Submissions).

12. Cummins shall not deduct any penalties paid under this Consent Decree pursuant to this Section IV (Civil Penalty) or Section IX (Stipulated Penalties) — or the accrued interest on such penalties — in calculating its federal, state, or local income tax.

V. APPROVAL OF SUBMISSIONS; U.S./EPA/CARB DECISION-MAKING

13. For purposes of this Consent Decree, unless otherwise specified in this Consent Decree:

a. with respect to any Submission, other obligation that requires approval or other decision by Plaintiffs, or force majeure claim of Cummins that concerns Section VI.A (2013-2019 RAM Compliance), EPA/CARB or the United States/CARB shall issue a joint or sole decision, as applicable, concerning the Submission, other obligation, or force majeure claim;

b. with respect to any Submission, other obligation that requires approval or other decision by Plaintiffs, or force majeure claim of Cummins that concerns Section VII (Mitigation), EPA or the United States shall issue a decision concerning the Submission, other obligation, or force majeure claim;

c. with respect to any other Submission, obligation that requires approval or decision by Plaintiffs, or force majeure claim of Cummins under this Consent Decree, the position of EPA or the United States, after consultation with CARB, shall control.

14. Except as otherwise specified after review of any Submission, EPA/CARB or the United States/CARB shall in writing: (i) approve the Submission; (ii) approve the Submission upon specified conditions; (iii) approve part of the Submission and disapprove the remainder; or (iv) disapprove the Submission. In the event of an approval upon specified conditions or a disapproval, in full or in part, of any portion of the Submission, if not already provided with the EPA/CARB or the United States/CARB written decision, upon the request of Cummins, EPA/CARB or the United States/CARB will provide in writing the reasons for such specified conditions or disapproval.

15. If the Submission is approved pursuant to (i) in Paragraph 14 above, Cummins shall take all actions required by the Submission, in accordance with the schedules and requirements of the Submission, as approved. If the Submission is conditionally approved or

approved only in part pursuant to (ii) or (iii) in Paragraph 14 above, Cummins shall, upon written direction from EPA/CARB or the United States/CARB, take all actions required by the Submission that EPA/CARB or the United States/CARB determine(s) are technically severable from any disapproved portions, subject to Cummins' right to dispute only the conditions EPA/CARB or the United States/CARB specified or the disapproved portions, under Section XI (Dispute Resolution).

16. If the Submission is disapproved, in whole or in part pursuant to (iii) or (iv) in Paragraph 14 above, Cummins shall, within 45 Days or such other time as the Parties agree to in writing, correct all deficiencies and resubmit the Submission, or disapproved portion thereof, for approval, in accordance with Paragraph 14. If the resubmission is approved in whole or in part, Cummins shall proceed in accordance with Paragraph 15.

17. If a resubmitted Submission is disapproved, in whole or in part, EPA/CARB or the United States/CARB may again require Cummins to correct any deficiencies, in accordance with Paragraph 16; or EPA/CARB or the United States/CARB may itself/themselves correct any deficiencies, and Cummins shall implement the Submission as modified by EPA/CARB or the United States/CARB, subject to Cummins' right to invoke the dispute resolution procedures set forth in Section XI (Dispute Resolution) and the right of EPA/CARB or the United States/CARB to seek stipulated penalties.

18. Any stipulated penalties applicable to the original Submission, as provided in Section IX (Stipulated Penalties), shall accrue during the 45-Day period or such other time as the Parties agreed to in writing pursuant to Paragraph 16, but shall not be payable unless the resubmission of the original Submission is untimely or is disapproved in whole or in part; provided that, if EPA or the United States, in consultation with CARB, determines that the

original Submission was so deficient as to constitute a material breach of Cummins' obligations under this Consent Decree, the stipulated penalties applicable to the original submission shall be due and payable notwithstanding any subsequent resubmission. In the event that EPA or the United States seeks stipulated penalties under this Paragraph, upon request of Cummins, EPA or the United States will provide in writing the reasons for such a finding of material deficiency, if not already provided with the EPA/CARB or United States/CARB written decision.

VI. COMPLIANCE REQUIREMENTS

A. 2013-2019 RAM Compliance.

19. Establishment and Maintenance of an Emission Modification Program and a Special Extended Warranty Program.

a. As described and provided by Paragraphs 20-27, Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a vehicle Emission Modification program for the 2013-2019 RAMs, which allows each Eligible Owner or Eligible Lessee to learn about the applicable Emission Modification for their Eligible Vehicle and arrange to have that Eligible Vehicle modified to operate with an Emission Modification (the "Emission Modification Program").

b. Cummins shall make the Emission Modification available, and shall cause its Business Partners to make the Emission Modifications available, to all Eligible Owners and Eligible Lessees at no cost. Cummins shall ensure, and shall cause its Business Partners to ensure, that no consumer payment or release of any Eligible Owner's or Eligible Lessee's rights or claims shall be required in exchange for performing the Emission Modification.

c. As a protective measure and an incentive for participation in the Emission Modification Programs, and as described and provided by Paragraph 26, Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a vehicle extended warranty program, which provides a specially tailored extended warranty for each Eligible Vehicle equipped to operate with an Emission Modification (the “Special Extended Warranty Programs”).

d. Cummins shall make the Special Extended Warranty available, and shall cause its Business Partners to make the Special Extended Warranty available, to all Eligible Owners and Eligible Lessees at no cost. Cummins shall ensure, and shall cause its Business Partners to ensure, that no consumer payment or release of any Eligible Owner’s or Eligible Lessee’s rights or claims shall be required in exchange for providing the Special Extended Warranty.

e. As described and provided by Paragraph 27, Cummins shall cause its Business Partners to ensure that information regarding the Emission Modification and Special Extended Warranty is made available online on a publicly available website that provides vehicle-specific information searchable by vehicle identification number (“VIN”).

f. The requirements outlined in this Paragraph shall continue in full force and effect after termination of the Consent Decree.

20. MY 2019 RAM Calibration Upgrade and Emissions Recall.

a. In February 2020, after consulting with EPA and CARB, Cummins caused its Business Partners to commence an emissions recall of MY 2019 RAMs to update their Pre-Replacement Software Configuration with an upgraded calibration that was designed

to achieve better emission performance (the “2019 Emission Modification”). Even before that emissions recall, Cummins had already begun equipping MY 2019 RAMs with the 2019 Emission Modification toward the end of the MY 2019 production run.

b. Cummins hereby certifies that the 2019 Emission Modification does not contain any Defeat Devices or Undisclosed AECDs.

c. In connection with the commencement of the emissions recall of MY 2019 RAMs, Cummins caused its Business Partners to send a Consumer Emission Modification Disclosure about the 2019 Emission Modification to affected Eligible Owners and Eligible Lessees.

d. By February 2022, Cummins informed EPA and CARB that the emissions recall of the MY 2019 RAMs had succeeded in replacing the original software calibration installed in those vehicles with the upgraded 2019 Emission Modification in: (i) more than 85% of the MY 2019 RAMs in the United States; and (ii) more than 94% of the MY 2019 RAMs in California.

e. Cummins shall ensure, and shall cause its Business Partners to ensure, that the 2019 Emission Modification will continue be offered to Eligible Owners and Eligible Lessees of MY 2019 RAMs and shall ensure that MY 2019 Eligible Vehicles will continue to be equipped with the 2019 Emission Modification.

21. MY 2013-2018 RAM Calibration Upgrade and Emissions Recall.

a. In November 2023, after consulting with EPA and CARB, Cummins commenced, and caused its Business Partners to commence, an emissions recall of MY 2013-2018 RAMs to update their Pre-Replacement Software Configurations with an

upgraded calibration that was designed to achieve better emission performance (the “2013-2018 Emission Modification”).

b. Cummins hereby certifies that the 2013-2018 Emission Modification does not contain any Defeat Devices or Undisclosed AECDs.

c. In connection with the commencement of the emissions recall of MY 2013-2018 RAMs, Cummins caused its Business Partners to send a Consumer Emission Modification Disclosure about the 2013-2018 Emission Modification to affected Eligible Owners and Eligible Lessees.

d. Cummins shall ensure, and shall cause its Business Partners to ensure, that the 2013-2018 Emission Modification will continue to be offered to Eligible Owners and Eligible Lessees of MY 2013-2018 RAMs and shall ensure that MY 2013-2018 Eligible Vehicles will continue to be equipped with the 2013-2018 Emission Modification.

22. General Terms and Conditions for Emission Modification Program.

a. Grounds for Refusal to Apply the Emission Modification to an Eligible Vehicle. If an Eligible Vehicle has been altered with the use of any after-market emissions-related components, parts, and/or software or the removal of any original emissions-related components, parts, and/or software, and such alteration(s) are likely to substantially affect the operation of the vehicle with the applicable Emission Modification or substantially impede installation of the Emission Modification, Cummins shall not be required (and Cummins shall not be required to cause its Business Partners) to install the Emission Modification on the Eligible Vehicle until the owner of such vehicle, at their expense, has reversed the alteration(s) such that the Emission Modification may be installed and not be substantially affected.

b. Scheduling. Cummins shall use commercially reasonable efforts, and shall cause its Business Partners to use commercially reasonable efforts, to install the applicable Emission Modification in a given Eligible Vehicle within 15 Days of the date on which an Eligible Owner or Eligible Lessee requests and schedules the modification. Cummins shall take reasonable steps, and Cummins shall cause its Business Partners to take reasonable steps, to ensure that no Eligible Owner or Eligible Lessee is required to wait more than 75 Days for a scheduled appointment to receive the Emission Modification after requesting an appointment.

23. Subsequent Emission Modification Adjustments to Subject Vehicles.

a. Prohibited Adjustments. After the Date of Lodging, Cummins shall not participate in any systematic campaign to adjust or modify the Emission Modification in 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) in a manner that may impair, decrease, or degrade the emission control performance of the vehicles' Emission Control System, or to install a configuration/calibration that contains a Defeat Device or an Undisclosed AECD, including through: (i) a recall pursuant to 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or 13 C.C.R. §§ 2111-2135; (ii) a Running Change and/or Field Fix; or (iii) any other systematic campaign to modify the Emission Modification.

b. Allowable Emission Modification Adjustments. After the Date of Lodging, Cummins may undertake or participate in systematic campaigns to adjust or modify the Emission Modification in 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) so long as the adjustments to the configuration/calibration will not impair, decrease, or degrade the emission control performance of the vehicles' Emission

Control System and do not contain a Defeat Device or an Undisclosed AECD (an “Allowable Emission Modification Adjustment”).

c. Pre-Adjustment Compliance and Certification Requirements. Before undertaking or participating in any systematic campaign to make an Allowable Emission Modification Adjustment, Cummins shall, as applicable: (i) comply with 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or CARB regulations, including 13 C.C.R. §§ 2111-2135, and, if applicable under the regulations, submit a recall report; or (ii) comply with applicable Running Change and/or Field Fix requirements; or (iii) comply with OBD requirements pursuant to 13 C.C.R. § 1968.5(d). In its initial written submission(s) required for compliance with the applicable requirements referenced in the preceding sentence, Cummins shall include a written explanation addressing why the adjustment or modification qualifies as an Allowable Emission Modification Adjustment — and why it does not constitute a Prohibited Adjustment — together with the required certification specified by Consent Decree Paragraph 50.

d. Modifications Approved by NHTSA.

(1) Notwithstanding Paragraphs 23.a and 23.b, Cummins may implement any modification to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) that has been reported to and approved by NHTSA either as a safety recall action or a voluntary campaign in accordance with 49 C.F.R. Part 573 (“Part 573 Report”).

(2) On the Day of submission to NHTSA of any Part 573 Report relevant to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs), Cummins shall send written notification to EPA/CARB that Cummins

intends to implement a NHTSA modification and attach a copy of the Part 573 Report to the notification.

(3) No later than 90 Days after the submittal of the Part 573 Report to EPA/CARB, Cummins shall submit a follow-up notification to EPA/CARB that indicates whether the NHTSA-approved modification includes an Emission Control System- or OBD System-related calibration or hardware change to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs). If the NHTSA-approved modification includes an Emission Control System- or OBD System-related calibration or hardware change to the vehicles, Cummins' follow-up notification to EPA/CARB shall also provide: (i) a description of the specific modifications, alterations, repairs, corrections, adjustments, or other changes to be made to the vehicles; and (ii) a description of the NHTSA-approved modification's expected influence on the performance or operation of the vehicles' Emission Control System and OBD System. For OBD-related modifications, Cummins' follow up notification shall also provide the information required by 13 C.C.R. § 1968.5(d). Cummins' follow up notification shall include the required certification specified by Consent Decree Paragraph 50.

(4) If EPA and CARB subsequently notify Cummins that the NHTSA-approved modification is non-compliant with regulatory requirements relating to environmental laws, Cummins shall, within 60 Days of such notification, either: (i) submit to EPA and CARB for review and approval a proposed plan and schedule for addressing the non-compliances identified by EPA and CARB (a "Response Plan"); or (ii) challenge EPA's and CARB's determination in

accordance with Section XI (Dispute Resolution). If Cummins believes that the non-compliances cannot be addressed without jeopardizing compliance with NHTSA requirements, Cummins shall set forth all the bases for this belief and submit a proposed Response Plan that provides for “no further action” to be taken to remedy the non-compliances identified by EPA and CARB.

(5) Upon receipt of written approval of a Response Plan by EPA and CARB, Cummins shall implement the Response Plan in accordance with the approved schedule. If EPA and CARB fail to make a determination within 60 Days of receipt of the Response Plan, Cummins may, at its discretion, consider the proposal to be denied for the purposes of invoking Dispute Resolution pursuant to Section XI (Dispute Resolution) of this Consent Decree.

24. Emission Modification Program Rate. Cummins shall ensure the installation of the 2013-2018 Emission Modification and the 2019 Emission Modification on the 2013-2019 RAMs, as applicable, to achieve Emission Modification Program Rates (“EMP Rates”) of at least 85% in the United States and in California by no later than three years after the Effective Date (the “EMP Rates Deadline”), as follows:

a. To assess Cummins’ progress toward and achievement of the EMP Rates for the 2013-2019 RAMs, Cummins shall receive credit for every Eligible Vehicle that has received the Emission Modification by the EMP Rates Deadline, excluding MY 2013-2015 RAM vehicles not equipped with a two-sensor SCR controller (the “Credited Vehicles”).

b. To assess Cummins’ progress toward and achievement of the EMP Rates for the 2013-2019 RAMs, the Parties have agreed to divide the number of Credited

Vehicles in the United States and California by agreed total baseline vehicle population figures for the United States and California, as indicated in Paragraphs 24.c and 24.d.

c. For the National EMP Rate. By no later than three years after the Effective Date, Cummins shall ensure installation of Emission Modifications to achieve a National EMP Rate of at least 85% for the 2013-2019 RAMs in the United States, computed as follows:

$$85\% = \frac{413,950}{487,000} \begin{array}{l} \text{(agreed minimum number of U.S. Credited Vehicles)} \\ \text{(divided by)} \\ \text{(agreed baseline total U.S. vehicles, reflecting estimated attrition)} \end{array}$$

d. For the California EMP Rate.

(1) By no later than three years after the Effective Date, Cummins shall achieve a California EMP Rate of at least 85% for the 2013-2019 MY RAMs in California, computed as the total number of Eligible Vehicles registered with the California Department of Motor Vehicles (“DMV”) on the third anniversary of the Effective Date and calculating 85% of those DMV-registered Eligible Vehicles, which is as follows:

$$85\% = \frac{\text{Total California Credited Vehicles}}{\text{Total DMV registered Eligible Vehicles three years from Effective Date, excluding ineligible vehicles in accordance with Paragraph 22.a}} \quad \text{(divided by)}$$

(2) For purposes of the denominator of the California EMP Rate, Eligible Vehicles shall include all MY 2013-2019 RAM vehicles except for:
 (i) MY 2019 RAM vehicles originally equipped with MY 2019 RAM Software Calibration 3 with a production date after October 1, 2019; and (ii) MY 2013-

2015 RAM vehicles not equipped with a two-sensor SCR controller. Included or excluded vehicles shall be determined by reference to VIN.

25. Sale and Export Restrictions.

a. After the Date of Lodging, Cummins shall instruct its Business Partners not to: (i) sell or cause to be sold, resell or cause to be resold, lease or cause to be leased, import, or otherwise introduce into commerce, any 2013-2019 RAM, unless it has received the applicable Emission Modification; or (ii) export from the United States to another country, any 2013-2019 RAM, unless it has received the applicable Emission Modification and any subsequent emission-related recalls.

b. After the Date of Lodging, Cummins shall ensure, and shall cause its Business Partners to ensure, that Cummins and its Business Partners shall not: (i) sell or cause to be sold, resell or cause to be resold, lease or cause to be leased, introduce into commerce, any 2013-2019 RAM, unless the 2013-2019 RAM has received the applicable Emission Modification; or (ii) export from the United States to another country, any 2013-2019 RAM, unless the 2013-2019 RAM has received the applicable Emission Modification and any subsequent emission-related recalls.

26. Special Extended Warranty Program.

a. In General. Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a Special Extended Warranty Program that provides a Special Extended Warranty for each Eligible Vehicle that has received or receives an Emission Modification. Subject to standard limitations that must be disclosed to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R.

§ 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the costs of all parts and labor, including diagnosis of any illuminated OBD MIL, needed to repair the items listed in Appendix B.1 (for MY 2019 RAMs) and Appendix B.2 (for MY 2013-2018 RAMs), as well as the cost or provision of a loaner vehicle for warranty service lasting longer than three hours where such a loaner vehicle is available. Cummins shall ensure, and shall cause its Business Partners to ensure, that no fees or charges are imposed on customers, and Cummins shall pay any fees or charges imposed by Dealers related to the warranty service.

b. Special Extended Warranty Period and Beneficiaries. The warranty period for the Special Extended Warranty shall be the greater of: (i) ten years from date of initial sale or 120,000 miles on the odometer (whichever comes first); or (ii) four years or 48,000 miles from the date of installation of the applicable Emission Modification (whichever comes first) (the “Special Extended Warranty Period”). However, for any Subject Vehicle that receives the Approved Emission Modification after the Recall Target Deadline, the warranty period shall be as described in the previous sentence, but in no event shall the Special Extended Warranty apply to or provide any coverage for the Subject Vehicle after December 31, 2033. As specified by Paragraph 19.f and Paragraph 128, these Special Extended Warranty duration requirements shall continue in full force and effect after termination of the Consent Decree. The Special Extended Warranty shall be associated with the vehicle and shall remain available to all Eligible Owners and Eligible Lessees during the vehicle’s Special Extended Warranty Period.

c. Grounds for Denial of Special Extended Warranty Coverage. Special Extended Warranty coverage may be denied if an Eligible Vehicle has been altered with

the use of any after-market emissions-related components, parts, and/or software, or with the removal of any original emissions-related components, parts, and/or software, and such alteration(s) are likely to substantially affect the operation of the vehicle with the Emission Modification, until the owner of such vehicle, at their expense, has reversed the alteration(s) such that the Emission Modification will not be substantially affected.

d. Other Warranty-Related Terms and Conditions.

(1) The Special Extended Warranty shall not modify, limit, or affect any state, local, or federal legal rights available to the Eligible Owners or Eligible Lessees. The warranty shall be subject to any remedies provided by state or federal laws, such as the Magnuson-Moss Warranty Act, that provide consumers with protections, including without limitation “Lemon Law” protections, with respect to warranties.

(2) In no event shall warranty coverage under the Special Extended Warranty be subject to service writers’ discretion.

(3) Neither the Special Extended Warranty, nor installation of the Emission Modification, shall supersede or void any outstanding warranty. To the extent there is a conflict between any Special Extended Warranty or Emission Modification requirements and any other warranty on any 2013-2019 RAMs, that conflict shall be resolved to the benefit of the consumer, and Cummins shall give written notice of the resolution to EPA and CARB in the next semi-annual report.

27. Online Access to Information.

a. Cummins has caused its First-Tier Customer to make information regarding the 2013-2018 Emission Modification and the 2019 Emission Modification

available online on a publicly available website for RAM vehicles that provides vehicle-specific information searchable by VIN at <https://www.mopar.com/en-us/my-vehicle/recalls/search.html> (the “RAM Recall Website”). As of the Date of Lodging, the information about the 2013-2019 RAMs on the RAM Recall Website includes:

(i) vehicle-specific information about the availability of an Emission Modification; (ii) vehicle-specific status indication on whether or not the pertinent Emission Modification has been completed; and (iii) a viewable and downloadable copy of the pertinent Consumer Emission Modification Disclosures.

b. By no later than 30 Days after the Effective Date, Cummins shall ensure, and shall cause its First-Tier Customer to ensure, that the information about the 2013-2019 RAMs is updated on the RAM Recall Website to add vehicle-specific information concerning the availability and coverage of the Special Extended Warranty for the Eligible Vehicles.

c. For at least 10 years after the Effective Date, Cummins shall ensure, and shall cause its First-Tier Customer to ensure, that the information referenced in Paragraphs 27.a and 27.b of this Consent Decree continues to be maintained on the RAM Recall Website or in a similarly accessible format that shall be accessible free of charge to owners, lessees, and prospective purchasers. This requirement shall continue after termination of the Consent Decree, as provided by Paragraph 19.f.

B. 2019-2023 RAM Compliance

28. Current Configurations/Calibrations. Cummins hereby certifies that, as of the Date of Lodging, the 2019-2023 RAM Software Configurations/Calibrations do not contain any Defeat Devices or Undisclosed AECDS.

29. Subsequent Adjustments.

a. Prohibited Adjustments. After the Date of Lodging, Cummins shall not participate in any systematic campaign to adjust or modify the 2019-2023 RAM Software Configurations/Calibrations (including for any subset of the 2019-2023 RAMs) in a manner that may impair, decrease, or degrade the NO_x control performance of the vehicles' Emission Control Systems, or to install a configuration/calibration that contains a Defeat Device or an Undisclosed AECD, including through: (i) a recall pursuant to 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or 13 C.C.R. §§ 2111-2135; (ii) a Running Change and/or Field Fix; or (iii) any other systematic campaign to modify the 2019-2023 RAM Software Configurations/Calibrations.

b. Modifications Approved by NHTSA. Notwithstanding Paragraph 29.a, Cummins may implement any modification to the 2019-2023 RAMs (including in any subset of the 2019-2023 RAMs) that has been reported to and approved by NHTSA either as a safety recall action or a voluntary campaign in accordance with a Part 573 Report, so long as the modification is implemented in a manner consistent with the requirements of Paragraph 23.d.

C. Enhanced Vehicle Testing

30. Emission Modification Enhanced In-Use Testing. In addition to any other compliance testing required by law, Cummins shall conduct Enhanced In-Use Testing that includes two rounds of In-Use Verification Testing and any required round of In-Use Confirmatory Program Testing of MY 2018 RAMs equipped with the 2013-2018 Emission Modification — including separate testing for vehicles in each MY 2018 RAM Test Group — as provided by this Paragraph.

a. Advance Notice to EPA and CARB. At least 15 Business Days before any planned Enhanced In-Use Testing, Cummins shall provide EPA and CARB written notice of the planned testing date and location. During the Enhanced In-Use Testing, Cummins shall afford EPA/CARB in-person access to the test facility upon request, as well as an opportunity for virtual observation upon request.

b. Testing Oversight. All Enhanced In-Use Testing required by this Paragraph shall be overseen and verified by representatives of the Cummins Product Compliance and Regulatory Affairs organization (“PCRA”).

c. Testing Timing and Requirements.

(1) Round 1 In-Use Verification Testing. Cummins shall complete a first round of scheduled In-Use Verification Testing within the seventh Calendar Quarter after the Consent Decree’s Effective Date, using high-mileage MY 2018 RAMs that have been in service for at least 12 months and driven for at least 10,000 miles since being equipped with the 2013-2018 Emission Modification. This In-Use Verification Testing shall conform to the substantive requirements for high-mileage manufacturer in-use verification testing specified by 40 C.F.R. § 86.1845-04.

(2) Round 2 In-Use Verification Testing. Cummins shall complete a second round of scheduled In-Use Verification Testing within the eleventh Calendar Quarter after the Consent Decree’s Effective Date, using high-mileage MY 2018 RAMs that have been in service for at least 24 months and driven for at least 20,000 miles since being equipped with the 2013-2018 Emission Modification. This In-Use Verification Testing shall conform to the substantive

requirements for high-mileage manufacturer in-use verification testing specified by 40 C.F.R. § 86.1845-04.

(3) In-Use Confirmatory Program Testing. If the results of a round of scheduled In-Use Verification Testing under Paragraph 30.c(1) or Paragraph 30.c(2) meet the criteria for additional in-use confirmatory testing specified by 40 C.F.R. § 86.1846-01(b), then Cummins shall complete a supplemental round of In-Use Confirmatory Program Testing that shall conform to the substantive and timing requirements for manufacturer in-use confirmatory testing specified by 40 C.F.R. § 86.1846-01 (“IUCP Testing”).

(4) For all In-Use Verification Testing and IUCP Testing performed under this Paragraph, Cummins shall provide EPA and CARB all downloads of all standardized OBD data, in accordance with 13 C.C.R. § 1968.2, of the tested vehicles. This data shall be collected both pre- and post-testing, on the as-received vehicles.

(5) If the results of any In-Use Verification Testing or IUCP Testing performed under this Paragraph exceed the applicable emission standard (after accounting for any applicable adjustment factors as described in Appendix G), Cummins shall formally notify EPA and CARB within 72 hours of the failure.

d. Reporting on Enhanced In-Use Testing. For all Enhanced In-Use Testing events completed under this Paragraph, Cummins shall submit to EPA and CARB all information specified by 40 C.F.R. § 86.1847-01 — together with an Enhanced In-Use Testing Report providing a narrative summary of the testing event results — in accordance with the timeframes specified by 40 C.F.R. § 86.1847-01. Cummins’

information submission and Enhanced In-Use Testing Report shall be made in accordance with Section XV (Notices and Submissions) and shall include the required certification specified by Consent Decree Paragraph 50.

e. Additional Actions and Reporting for IUCP Test Vehicle Failures.

(1) If one or more of the vehicles used for IUCP Testing under Paragraph 29.c(3) (“IUCP Test Vehicles”) failed to meet the applicable MY 2018 RAM Emission Standard during the IUCP Testing, then Cummins shall conduct a Root-Cause Evaluation to determine the reason(s) for the failure, and Cummins shall submit a Root-Cause Evaluation Report to EPA and CARB within 120 Days of the end of the IUCP Testing under Paragraph 29.c(3). As part of the Root-Cause Evaluation Report, Cummins shall analyze and report on whether the IUCP Test Vehicle’s emission test failure was due, in whole or part, to: (i) a failure of the Emission Modification; (ii) the lack of durability of the Emission Control System as modified by the Emission Modification; (iii) unrepresentative conditions unique to the IUCP Test Vehicle; (iv) other factors identified by Cummins; or (v) other possible factors proposed for further study by Cummins, which shall be analyzed in a supplemental Root-Cause Evaluation Report. Cummins’ Root-Cause Evaluation Report shall be made in accordance with Section IX and shall include the required certification specified by Consent Decree Paragraph 50.

(2) Noncompliance Determination. If, after considering a Root-Cause Evaluation Report submitted under Paragraph 30.e(1), EPA and CARB determine that one or more IUCP Test Vehicles failed the IUCP Testing due, in whole or in

part, to (i) a failure of the Emission Modification or (ii) the lack of durability of the Emission Control System as modified by the Emission Modification, then the agencies may issue a Noncompliance Determination if EPA and CARB determine that an issue that caused an IUCP Test Vehicle to fail the IUCP Testing is likely to occur in a substantial number of 2013-2018 RAMs or is likely to cause certain 2013-2018 RAMs to exceed applicable emission standards by substantial margins. If EPA and CARB issue a Noncompliance Determination, they will do so jointly and in writing, setting forth the factual, technical, and legal bases for their determination and addressing the recommendations and findings, if any, in Cummins' Root-Cause Evaluation Report(s).

(3) IUCP Failure Mitigation Plan. Within 90 Days after receipt of a Noncompliance Determination, Cummins shall submit an IUCP Failure Mitigation Plan proposing additional U.S. Mitigation Projects to offset the estimated excess emission from the 2013-2018 RAMs due to issues related to the Emission Modification that EPA/CARB identified in their Noncompliance Determination and a commensurate additional mitigation payment to CARB. The IUCP Mitigation Plan shall: (i) specify an estimated number of 2013-2018 RAMs (broken out by MY and between California and the United States) impacted by issues related to the Emission Modification that EPA/CARB identified in their Noncompliance Determination; (ii) the methodology used to estimate excess NOx emission from those impacted 2013-2018 RAMs; (iii) the additional U.S. Mitigation Projects that Cummins proposes to complete under Paragraph 43.b; and (iv) the methodology used to compute the proposed additional mitigation

payment to CARB. If EPA/CARB approve Cummins' IUCP Failure Mitigation Plan under Paragraph 14(i)-(iii), then Cummins shall implement the IUCP Mitigation Plan as approved by EPA/CARB.

31. Special Cycle Testing of Future Model Year Vehicles. As provided by this Paragraph, Cummins shall conduct dynamometer testing to demonstrate off-cycle tailpipe emissions and screen for undisclosed AECDs and/or Defeat Devices on MY 2026-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles equipped with engines manufactured by Cummins. The Parties agree and acknowledge that neither United States nor California law sets forth a standard by which off-cycle dynamometer testing can be used to determine compliance for purposes of certification under Title II of the Clean Air Act.

a. Advance Notice to EPA/CARB. At least 15 Business Days before any planned Special Cycle Testing, Cummins shall provide EPA/CARB written notice of the planned testing date and location. During the Special Cycle Testing, Cummins shall afford EPA/CARB in-person access to the test facility upon request, as well as an opportunity for virtual observation upon request.

b. Testing Oversight. All Special Cycle Testing required by this Paragraph shall be overseen by representatives of the Cummins Product Compliance and Regulatory Affairs organization.

c. Testing and Reporting Timing.

(1) Annual Precertification Testing for MY 2026-2028 RAM vehicles.

Cummins shall complete and report on annual Special Cycle Testing with MY 2026-2028 RAM vehicles before seeking vehicle emission certifications for the model year being tested. Through the data submissions and reports required by

Paragraph 31.f, Cummins shall report the results of such annual precertification Special Cycle Testing to the certification departments at EPA/CARB by no later than the date on which Cummins submits the Confirmation Test Decision Information (CTDI waiver request) for its emissions data vehicle(s).

(2) Retesting for Running Changes. If any Running Changes to powertrain controls software, powertrain hardware, or emissions control software are made to MY 2026-2028 RAM vehicles that may affect emissions performance, Cummins shall repeat Special Cycle Testing after making the Running Change, unless EPA/CARB grant Cummins a written waiver of this retesting requirement. Through the data submissions and reports required by Paragraph 31.f, Cummins shall report the results of the Running Change Special Cycle Testing to EPA/CARB by no later than 30 Days after the date of Cummins Running Change notification letter to EPA/CARB.

d. Vehicle Selection.

(1) For Annual Precertification Testing. Cummins shall conduct annual precertification Special Cycle Testing on one RAM vehicle from one Test Group per model year. After the first annual precertification test with one RAM vehicle from one MY 2026 Test Group, subsequent annual testing of later model year RAM vehicles shall utilize vehicles with different Test Group Suffixes until RAM vehicles with all Test Group Suffixes have been subjected to annual precertification Special Cycle Testing.

(2) For Retesting with Running Changes. For any Running Change to MY 2026-2028 RAMs, Cummins shall conduct Running Change Special Cycle

Testing on one RAM vehicle from the same Test Group used for the annual precertification Special Cycle Testing for the model year.

e. Special Cycle Testing. All Special Cycle Testing shall measure and record RAM vehicle emissions and other parameters listed in Paragraph 31.f throughout a dynamometer test cycle that approximates the operation of RAM vehicles on the LA Area Model Driving Route depicted and described in Appendix C. Consistent with the programming parameters included in Appendix C, the dynamometer shall be programmed to approximate the speed trace, road loads, and conditions during Portable Emissions Measurement System (“PEMS”) testing that Cummins completed with MY 2013-2018 RAMs on the LA Area Model Driving Route, and the dynamometer load shall be adjusted to appropriately account for varying road grades on the LA Area Model Driving Route.

(1) Vehicle Weight and Load. During each Special Cycle Test, the RAM vehicle shall begin with a full tank of fuel and the vehicle shall be weighted to simulate a vehicle load consisting of a driver, one passenger, and a PEMS unit.

(2) Preconditioning and Regeneration. Cummins shall perform a road load derivation and run one LA4 cycle prior to a Special Cycle Test. No other vehicle preconditioning shall be done before a Special Cycle Test. Cummins shall check the soot level on the diesel particulate filter before the test. If the soot level suggests that regeneration is imminent, Cummins may run the vehicle until the regeneration is complete. If a regeneration event occurs during a test, the data for that test session shall be discarded and the test session shall be repeated.

(3) Equipment. All Special Cycle Testing shall be conducted with use of a road speed fan and a four-wheel dynamometer.

(4) Test Conditions. All Special Cycle Testing shall be conducted at a standard ambient temperature between 68 and 86 degrees Fahrenheit. All Special Cycle Testing shall be done with the worst case emissions-related operating configuration for the RAM vehicle being tested (including but not limited to operation with the towing mode selector switch activated or any other worst case operating parameter Cummins deems appropriate).

f. Data Collection and Reporting. For each Special Cycle Testing event, Cummins shall collect the following data and information for submission to the certification departments at EPA/CARB:

(1) the test vehicle's Test Group code and the Cal ID and Calibration Verification Number codes that identify the calibration of the test vehicle's engine control module;

(2) industry standard span check traces and reports and other quality reports;

(3) a Flat File of each test that includes vehicle identification information, the VIN, and a test identification number;

(4) continuous concentration (expressed in parts per million) and mass (expressed in grams), as well as average emission rate (expressed in grams per mile), results generated for oxides of nitrogen (NO_x), total hydrocarbons (THC), non-methane hydrocarbons (NMHC), carbon monoxide (CO), and carbon dioxide

(CO₂) emissions in an unlocked .CSV file format that can be imported into a spreadsheet or database;

(5) all available OBDII parameters defined by SAE J1979/J1939, recorded by a nonproprietary OBD parameter recorder, also in an unlocked .CSV file format that can be imported into a spreadsheet or database;

(6) other parameters measured by the test site equipment, including continuous vehicle speed, air flow, and the test cell temperature in an unlocked .CSV file format that can be imported into a spreadsheet or database; and

(7) a processed analysis in Excel format with graphical presentation of distance, grade, vehicle speed, engine speed, exhaust gas recirculation flow, fuel flow, air flow, DEF dosing mass flow, and emission constituents (NO_x, THC, CO, etc.), with all results plotted on a continuous timescale.

Within the time specified by Paragraph 31.c(1) or Paragraph 31.c(2) (as applicable), Cummins shall submit this information together with a Special Cycle Testing Report that contains a narrative summary of the Special Cycle Testing results. Cummins' information submission and Special Cycle Testing Report shall be made in accordance with Paragraph 49 and shall include the required certification specified by Consent Decree Paragraph 50.

D. Corporate Compliance.

32. Cummins shall implement the Corporate Compliance provisions of this Consent Decree in conjunction with its existing corporate and compliance management activities to advance the goals of:

- a. preventing environmental compliance problems related to United States or California environmental laws and regulations from arising in the first instance;
- b. detecting any environmental compliance problems related to United States or California environmental laws and regulations that do arise; and
- c. responding to any environmental compliance problems related to United States or California environmental laws and regulations that arise, including modifying broader policies, processes, controls or any other activities that allowed the environmental compliance problem to arise, and self-disclosing, as appropriate, to EPA, CARB, and the California Attorney General where disclosure should have occurred in the first instance.

To meet the goals of this Section VI.B (2013-2019 RAM Compliance), Cummins has designed and will implement the measures described in Paragraphs 33-38 to target compliance with United States and California laws and regulations, including those governing vehicle emissions and certification.

33. Cummins Corporate Policies and Practices.

- a. Cummins has developed and shall continue to implement and enhance various corporate governance policies and practices in the areas of integrity, business ethics, and environmental compliance. Cummins describes these policies and practices in its Code of Business Conduct, on its Ethics and Compliance Violations and Reporting webpage; on its Ethics and Compliance Non-Retaliation webpage; in its Supplier Code of Conduct policies; and in other written policies.
- b. Among its corporate compliance policies and practices, Cummins has developed and shall continue to implement and enhance policies and practices focused

particularly on compliance with air pollutant emissions related laws and regulations.

These include practices and written policies related to compliance with Diesel-Fueled Engine and Diesel-Fueled Vehicle emission control and certification requirements (“Diesel Compliance”) such as maintaining: (i) a Cummins Off-Cycle Emissions Policy; (ii) several Cummins Engineering Standards on the AECD development process and on compliance with emission certification requirements and defeat device prohibitions; and (iii) formal training programs for Cummins employees on compliance with emission certification requirements and defeat device prohibitions.

c. Over the last few years, Cummins has made significant enhancements to its corporate compliance policies and practices focused on Diesel Compliance. These recent enhancements have included: (i) adding a question to the Cummins Annual Ethics Certification regarding compliance with, or violations of, emissions laws or regulations or Cummins’ compliance policies, procedures, or work instructions, including the prohibition against defeat devices; (ii) adding a section on emissions compliance to the Cummins Code of Business Conduct which highlights Cummins’ Off-Cycle Emissions Policy specifically; and (iii) assessing its compliance program.

34. Based on its assessment, Cummins has taken the following steps to reform and enhance its product emissions compliance programs, and Cummins shall maintain these measures as a requirement of this Consent Decree:

a. Separation of Functions and Establishment of a Product Compliance and Regulatory Affairs Component. Cummins has established and shall maintain a separation of work functions between its product development business components and its PCRA component, which was formed in 2020. Cummins’ PCRA organization includes a large

staff of dedicated global employees and Cummins shall continue to maintain an adequate staffing level for its PCRA organization. For Diesel Compliance matters, the head of the Cummins' PCRA organization currently reports, and shall continue to report, directly to Cummins' Chief Executive Officer or to another Cummins Executive Officer.

b. Enhanced Product Development Compliance Review Procedures.

Cummins has established and shall maintain certain enhanced internal review and consultation procedures that elevate compliance considerations in Cummins' internal product development processes for Diesel Compliance. These procedures include:

- (i) mandatory navigation of a formal engine product development process that requires PCRA compliance approvals at multiple steps in the product development process; and
- (ii) key decision making on product design acceptability/compliance by a multi-member Cummins AECD Technical Advisory Council.

c. Enhanced Employee Training and Certification. Cummins has established and shall maintain specific PCRA-managed programs for enhanced training and certification of employees with responsibility for product development, certification, and Diesel Compliance. These programs include: (i) mandatory Defeat Device Awareness & Prevention Training that designated employees receive on a two year refresher cycle; (ii) Emission Control Features Analysis Training that designated employees receive on a two year refresher cycle; (iii) periodic AECD Workshop training sessions led by Diesel Compliance experts; and (iv) a Cummins Emissions Academy training program with a dedicated training team, monthly instructor-led training programs, and dozens of specially tailored training modules for company employees.

d. Enhanced Internal Communications. Cummins has established and shall maintain enhanced internal communications measures focused on product compliance and regulatory affairs for Diesel Compliance. These measures include: (i) operation of a web-based and phone-based confidential ethics hotline; (ii) an annual ethics certification process for employees; (iii) periodic “town hall” style employee meetings with members of the PCRA organization; and (iv) periodic “Ask Us Anything” employee question and answer sessions hosted by the PCRA leadership team.

35. Employee Discipline and Compensation. Cummins shall continue to require employees to comply with environmental laws and regulations, including those governing Diesel Compliance. Upon discovery, receipt of a complaint, or other notice of potential non-compliance, Cummins shall review the matter and ensure appropriate remedial action is taken to prevent future similar incidents, such as discipline or termination, training or retraining, and disqualification of responsible employees for variable compensation or other discretionary compensation through application of company policy.

36. Ethics and Compliance Concern Reporting. Cummins shall continue to implement its existing web-based and phone-based ethics reporting systems as avenues to report environmental compliance issues, including Diesel Compliance issues. Those reporting systems shall continue to be centralized and available to all Cummins employees, and shall maintain the ability to report environmental compliance issues anonymously in the United States, and otherwise as permitted by local law. Cummins shall continue to prohibit retaliation against employees who raise concerns about adherence to, or who report violations of, environmental compliance requirements.

37. Compliance Risk Assessment. Cummins shall continue to perform annual and continual compliance risk assessment and compliance process evaluations for Diesel Compliance. Cummins shall implement any mitigation measures determined to address compliance risks and shall track completion of new mitigation measures for material risks, including risks related to compliance with U.S. and California laws and regulations governing Diesel-Fueled Engine and Diesel-Fueled Vehicle emissions and certification.

38. Verification and Control Requirements for Diesel Compliance. Commencing on the Date of Lodging and continuing thereafter, Cummins' PCRA shall oversee and ensure Cummins' compliance with the Defeat Device Verification, AECD Verification, Software Lifecycle Management Control, and Field Software Control requirements of this Paragraph 38 for each Diesel-Fueled Engine and each Diesel-Fueled Vehicle for which Cummins applies for a Certificate of Conformity or an Executive Order in California.

a. Defeat Device Verification. For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle intended to be certified in the United States, Cummins shall perform a complete and accurate pre-certification verification that Cummins' final pre-certification software calibration does not include any Defeat Devices.

b. AECD Verification. For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle intended to be certified in the United States, Cummins shall perform a complete and accurate pre-certification verification that the AECDs included in Cummins' final pre-certification software calibration match the AECDs identified in the final disclosure documentation to be submitted to EPA and CARB.

c. Software Lifecycle Management Control.

(1) Tracking and Recording of Certified Configuration(s). For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle issued a Certificate of Conformity in the United States or an Executive Order in California, Cummins shall retain a complete and accurate record of its certified software configuration (as well as any changes to the certified software configuration) in a centralized database.

(2) Software Change Process. For any planned change to the previously certified software configuration for any such Diesel-Fueled Engine or Diesel-Fueled Vehicle issued a Certificate of Conformity in the United States or an Executive Order in California, Cummins shall perform a complete and accurate pre-verification that: (i) Cummins' changed software calibration does not include any Defeat Devices; and (ii) the AECs included in Cummins' changed software calibration match the AECs identified in the corresponding disclosure documentation to be submitted to EPA and CARB. As part of that pre-verification, Cummins shall perform a dataset check of all emissions-relevant software functions which compares the software datasets before and after the planned change to ensure that any planned change is accurately described in the disclosure documentation to be submitted to EPA and CARB.

d. Field Software Control. Within each 12-month period after the Effective Date, Cummins shall randomly select and conduct sample checks of the software configurations of calibrations in the emission control system of at least three Diesel-Fueled Vehicles certified in the United States to determine whether such software

configurations are consistent with the certified configuration of the vehicle or engine as reported to EPA and CARB (including any Field Fixes or Running Changes), and to confirm that any changes made by Cummins to the certified configuration were made in accordance with United States and California regulatory requirements, as applicable.

VII. MITIGATION

39. U.S. Mitigation Program. As set forth in Paragraphs 39-44, Cummins shall fully mitigate the total lifetime excess NOx emissions from 2013-2019 RAMs in the United States, excluding California, by implementing a program to reduce emissions from older locomotives (“Mitigation Program”).

a. The Mitigation Program shall include a suite of Mitigation Projects as determined by Paragraphs 40-42 below. Cummins shall complete the Mitigation Program by no later than June 30, 2029.

b. If required by Paragraph 42, Cummins shall carry out additional Mitigation Projects that reduce NOx emissions as determined by Paragraphs 40-42.

40. Types of Mitigation Projects. The Mitigation Program shall include a mix of the following types of Mitigation Projects:

a. Road Switch Locomotive Repowering Projects. For a Road Switch Locomotive Repowering Project, Cummins shall fund in whole, or carry out at its own expense, the repowering of an unregulated, Tier 0, Tier 0+, or Tier 1 road switch locomotive of between 1,500 and 3,800 horsepower. For purposes of Paragraphs 40.a and 40.b, “repowering” means: (i) replacing the existing engines with engines certified to EPA Tier 4 or more stringent locomotive emission standards; and (ii) permanently

retiring the replaced engines. A Road Switch Locomotive Repowering Project shall utilize one of the following replacement engines:

(1) A Road Switch Locomotive Repowering Project may utilize an engine that was not produced by Cummins that is certified to EPA Tier 4 or more stringent locomotive emission standards.

(2) After June 30, 2024, a Road Switch Locomotive Repowering Project may utilize a model year 2024 Cummins QSK50 engine certified to EPA Tier 4 or more stringent locomotive emission standards. In the first Semi-Annual Report after the Effective Date, Cummins shall certify that any model year 2024 Cummins QSK50 engine to be installed in any United States-based locomotive after June 30, 2024, does not contain in the Emission Control System any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

(3) A Road Switch Locomotive Repowering Project may utilize a model year 2025 or later Cummins engine certified to EPA Tier 4 or more stringent locomotive emission standards. Cummins hereby certifies that any model year 2025 or later Cummins Emissions Control System in the engine used for a Road Switch Locomotive Repowering Project shall not contain any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

b. Yard Switch Locomotive Repowering Projects. For a Yard Switch Locomotive Repowering Project, Cummins shall fund in whole, or carry out at its own expense, the repowering of an unregulated, Tier 0, or Tier 0+ yard switch locomotive as

defined in 40 C.F.R. § 1033.901. A Yard Switch Locomotive Repowering Project shall utilize one of the following replacement engines:

(1) A Yard Switch Locomotive Repowering Project may utilize an engine that was not produced by Cummins that is certified to EPA Tier 4 or more stringent locomotive emission standards.

(2) After June 30, 2024, a Yard Switch Repowering Project may utilize a model year 2024 Cummins QST30 engine certified to EPA Tier 4 or more stringent locomotive emission standards. In the first Semi-Annual Report after the Effective Date, Cummins shall certify that any model year 2024 Cummins QST30 engine to be installed in any United States-based locomotive after June 30, 2024, does not contain in the Emission Control System any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

(3) A Yard Switch Locomotive Repowering Project may utilize a model year 2025 or later Cummins engine certified to EPA Tier 4 or more stringent locomotive emission standards. Cummins hereby certifies that any model year 2025 or later Cummins Emissions Control System in the engine used for a Yard Switch Locomotive Repowering Project shall not contain any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

c. Switch Locomotive Idle Reduction Projects. For a Switch Locomotive Idle Reduction Project, Cummins shall fund in whole, or carry out at its own expense, projects that result in reduced idling time and therefore reduced fuel usage and reduced

emissions of NO_x, particulate matter, volatile organic compounds, and carbon dioxide from switch locomotives. A Switch Locomotive Idle Reduction Project may include:

- (i) outfitting a switch locomotive with automatic engine start/stop functionality;
- (ii) outfitting a switch locomotive with a battery powered auxiliary power unit;
- (iii) installing a fuel-fired or electric coolant heater system in a switch locomotive; or
- (iv) equipping a switch locomotive with a wayside power or shore system to supply electrical power in lieu of engine operation.

41. Mitigation Project Selection Criteria.

a. Project Types. The Mitigation Program shall consist of 14 Road Switch Locomotive Repowering Projects, 13 Yard Switch Locomotive Repowering Projects, and 50 Switch Locomotive Idle Reduction Projects. The number of Switch Locomotive Idle Reduction Projects shall be the number of switch locomotives that receive a Switch Locomotive Idle Reduction Project, even if a single switch locomotive receives multiple subcategory project types.

b. Geographic Diversity.

(1) In selecting Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins shall use reasonable best efforts to repower locomotives based in switchyards that are located in geographically diverse locations across the United States (excluding California), including at least one Yard Switch Locomotive Repowering Project located in each of the ten EPA regions.

(2) In selecting Switch Locomotive Idle Reduction Projects, Cummins shall use reasonable best efforts to carry out projects in switchyards that are

located in geographically diverse locations across the United States (excluding California).

c. Target Locomotives. In selecting Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins: (i) shall prioritize and use reasonable best efforts to repower unregulated locomotives; and (ii) shall thereafter prioritize the repowering of Tier 0, Tier 0+, and Tier 1 locomotives (in that order of priority).

d. Electrification. In carrying out Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins shall evaluate the potential to repower one or more unregulated, Tier 0, Tier 0+, or Tier 1 engines with electric locomotive motors. If Cummins chooses to carry out a Road Switch Locomotive Repowering Project or a Yard Switch Locomotive Repowering Project by replacing the existing engine with an electric motor, Cummins shall propose to the United States, for review and approval in accordance with Section V (Approval of Submissions), an appropriate NOx emissions reduction credit for that project.

42. Status Report and Proposals to Change Mix of Project Types.

a. By no later than two years after the Effective Date, Cummins shall submit to the United States a Mitigation Program Status Report that includes: (i) the number of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects carried out or in progress; (ii) the results of Cummins' evaluation of the potential to repower one or more unregulated, Tier 0, Tier 0+, or Tier 1 engines with electric locomotive motors pursuant

to Paragraph 41.d; and (iii) the expected total NO_x emission reductions from the mix of Mitigation Project types specified in Paragraph 41.a.

b. As part of the Mitigation Program Status Report, or at any point prior to submission of the Mitigation Program Status Report, Cummins may propose a different mix of the Mitigation Project types identified in Paragraph 41.a (with quantities of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects that differ from those specified by Paragraph 41.a). Any such proposal shall include an estimate of the expected total NO_x emission reductions from the different mix of Mitigation Project types proposed by Cummins. Any proposed mix of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects shall result in NO_x emission reductions consistent with the expected total emission reductions from the mix of Mitigation Project types specified in Paragraph 41.a. Any Cummins proposal pursuant to this Paragraph shall be subject to review and approval by the United States in accordance with Section V (Approval of Submissions).

43. Additional Mitigation.

a. EMP Rate Shortfall Mitigation. If Cummins fails to achieve an 85 percent National EMP Rate by the date specified in Paragraph 24.c, Cummins shall perform additional Mitigation Projects that result in NO_x emission reductions equal to or greater than the total excess NO_x emissions from the National EMP Rate shortfall. If necessary, these additional Mitigation Projects shall be completed by no later than June 30, 2029. The requirements of this Paragraph are in addition to any stipulated penalties that may apply.

b. IUCP Failure Mitigation. Cummins shall perform additional Mitigation Projects as required by any IUCP Failure Mitigation Plan approved under Paragraph 30.e(3). The requirements of this Paragraph are in addition to any stipulated penalties that may apply.

44. Mitigation Program Certifications. With regard to the Mitigation Program, Cummins certifies the truth and accuracy of each of the following:

a. That, as of the date of executing this Consent Decree, Cummins is not required to perform or develop the Mitigation Program or any Mitigation Projects by any federal, state, or local law or regulation and is not required to perform or develop the Mitigation Program or any Mitigation Projects by agreement, grant, or as injunctive relief awarded in any other action in any forum;

b. That the Mitigation Program is not a Mitigation Program that Cummins was planning or intending to construct, perform, or implement other than in settlement of the claims resolved in this Consent Decree;

c. That Cummins has not received and will not receive credit for the Mitigation Program in any other enforcement action; and

d. That Cummins shall neither generate nor use any pollutant reductions from the Mitigation Program as netting reductions, pollutant offsets, or to apply for, obtain, trade, or sell any pollutant reduction credits.

45. California Mitigation Payment. Cummins has entered into a separate agreement with the California Plaintiffs, which is intended to fully mitigate the total lifetime excess NOx emissions from the 2013-2019 RAMs in California. That agreement is set forth in the separate

California Partial Consent Decree between Cummins and the California Plaintiffs that has been lodged contemporaneously with this Consent Decree.

VIII. REPORTING REQUIREMENTS

46. Consent Decree Compliance Reports. Cummins shall submit reports documenting its compliance with the requirements of this Consent Decree in Semi-Annual Reports described by this Section and in certain other required reports referenced in other Sections of this Consent Decree.

47. Timing of Semi-Annual Reports. Unless otherwise specified in this Consent Decree, or the Parties otherwise agree in writing:

a. General Timing. For Semi-Annual Reports required under this Consent Decree, Cummins shall submit each Report within one month after the end of the applicable semi-annual reporting period (i.e., by January 31 for the reporting period from the preceding July to December and by July 31 for the reporting period from the preceding January to June).

b. Timing for First Semi-Annual Reports. If this Consent Decree's Effective Date is at least 45 Days before the end of a semi-annual period, Cummins' Semi-Annual Reports for the first partial reporting period shall be due by the last Day of the month following the end of that reporting period. For example, if the Effective Date is September 2, the first Reports shall be due on January 31 and shall cover the period from September 2 to December 31. If this Consent Decree's Effective Date is less than 45 Days before the end of a semi-annual period, Cummins' first Semi-Annual Reports shall not be due until the last Day of the month following the end of the next semi-annual

period. For example, if the Effective Date is December 3, the first Reports shall be due on July 31 and shall cover the period from December 3 to June 30.

c. Continued Submission of Semi-Annual Reports. Cummins shall continue submitting Semi-Annual Reports under this Consent Decree until this Consent Decree is terminated in accordance with Section XIX (Termination).

48. Contents of Semi-Annual Reports. Cummins shall submit separate Semi-Annual Reports to the United States, EPA, CARB, and the California Attorney General that include the content specified in the subparagraphs below. An agency shall not receive the content of a subparagraph unless the agency is specifically identified in the subparagraph or the agency otherwise requests the content.

a. Emission Modification Program.

(1) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any problems encountered in implementing the Emission Modification Program since the last semi-annual reporting period and any solutions taken or planned.

(2) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a narrative description and quantitative assessment of whether Cummins met the National EMP Rate and the California EMP Rate for the 2013-2019 RAMs during the semi-annual reporting period (recognizing that the attainment of the California EMP Rate will only be determined after the third anniversary of the Effective Date).

(3) *To the United States, EPA, and CARB:* The Semi-Annual Report shall include an Excel data spreadsheet listing each Credited Vehicle (identified

by VIN and separated by vehicles located in California and those outside of California, within the United States) that counts toward achievement of the EMP Rates.

(4) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any Subsequent Emission Modification Adjustments to Subject Vehicles under Paragraph 23 since the last semi-annual reporting period.

b. Sale and Export Restrictions. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in satisfying the sale and export restriction requirements imposed by Paragraph 25 since the last semi-annual reporting period and any solutions taken or planned.

c. Special Extended Warranty Program. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the Special Extended Warranty Program since the last semi-annual reporting period and any solutions taken or planned.

d. Online Access to Information. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the requirements regarding online access to information under Paragraph 27 since the last semi-annual reporting period and any solutions taken or planned.

e. Enhanced Vehicle Testing. *To the United States, EPA and CARB:* The Semi-Annual Report shall provide a narrative summary of any activities since the last

semi-annual reporting period relating to Emission Modification Enhanced In-Use Testing under Paragraph 30 and Special Cycle Testing under Paragraph 31, including a written description of any systematic problems encountered in implementing the Enhanced Vehicle Testing program since the last semi-annual reporting period and any solutions taken or planned. This is in addition to the submission of the Special Cycle Testing information to the certification departments at EPA/CARB, as described in Paragraph 31.f.

f. Corporate Compliance.

(1) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the Corporate Compliance measures outlined in Section VI.D (Corporate Compliance) since the last semi-annual reporting period and any solutions taken or planned.

(2) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any major systematic changes in Cummins' approach to the Corporate Compliance measures outlined in Section VI.D (Corporate Compliance) since the last semi-annual reporting period.

g. U.S. Mitigation Projects. *To the United States and EPA:* The Semi-Annual Report shall provide a narrative summary of the Mitigation Projects in progress and completed under Section VII (Mitigation) by the end of the semi-annual reporting period. For each Mitigation Project, the Semi-Annual Report shall: (i) identify the Mitigation Project type and the expected NOx emissions reduction for the Mitigation Project, which may reference earlier provided estimates; and (ii) identify whether each

Mitigation Project is being or has been completed as part of the Mitigation Program under Paragraph 39.a or as an additional Mitigation Project under Paragraph 43.a or 43.b.

49. Submission Method. Cummins shall submit each Semi-Annual Report, including any relevant documentation, and each other report required by this Consent Decree to the specified agencies with copies (as required) sent to EPA, DOJ, and CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions).

50. Required Certification.

a. Each written report submitted by Cummins under this Section shall be signed by an official of the submitting party and include the following certification:

I certify under penalty of perjury that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

b. Cummins agrees that the certification required by this Paragraph 50 is subject to 18 U.S.C. §§ 1001(a) and 1621 and California Penal Code §§ 115, 118, and 132.

c. This certification requirement does not apply to emergency or similar notifications where compliance would be impractical.

51. Special Reporting Requirements. Whenever Cummins reasonably believes any violation of this Consent Decree or any other event affecting Cummins' performance under this Consent Decree may pose an immediate threat to the public health or welfare or the environment,

Cummins shall notify EPA and CARB by telephone and email as soon as possible, but no later than 24 hours after Cummins first reasonably believes the violation or event may pose an immediate threat to the public health or welfare or the environment.

52. The reporting requirements of this Consent Decree do not relieve Cummins of any reporting obligations required by the Act or implementing regulations, or by any other federal, state, or local law, regulation, permit, or other requirement.

53. Any information provided pursuant to this Consent Decree may be used by the United States or California in any proceeding to enforce the provisions of this Consent Decree and as otherwise permitted by law, and consistent with Paragraph 107 (regarding protected or otherwise confidential information).

IX. STIPULATED PENALTIES

54. Cummins shall be liable for stipulated penalties to the United States and CARB for violations of this Consent Decree as specified in this Section, unless excused under Section X (Force Majeure). A violation includes failing to perform any obligation required by the terms of this Consent Decree, including any work plan or schedule approved under this Consent Decree, according to all applicable requirements of this Consent Decree and within the specified time schedules established by or approved under this Consent Decree.

A. Civil Penalties.

55. Late Payment of Civil Penalty.

a. If Cummins fails to pay the civil penalty required to be paid to the United States under Paragraph 8 when due, Cummins shall pay the United States a stipulated penalty of 0.10% of the unpaid principal amount due to the United States per Day for each Day that the payment is late.

b. If Cummins fails to pay the civil penalty required to be paid to CARB under Paragraph 8 when due, Cummins shall pay CARB a stipulated penalty of 0.10% of the unpaid principal amount due to CARB per Day for each Day that the payment is late.

B. 2013-2019 RAM Compliance and 2019-2023 RAM Compliance.

56. Continuation of Emission Modification Programs. If Cummins fails to ensure continuation of an Emission Modification Program for any Eligible Vehicle as required by Paragraphs 19.b, 19.e, 20.e, and 21.d, Cummins shall pay stipulated penalties for each Day on which the Emission Modification Program should have been offered and maintained (but was not) as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$4,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

57. Sale and Export Restrictions. Cummins shall pay stipulated penalties of \$25,000 per affected Subject Vehicle for any violation of the sale, leasing, and export restrictions specified by Paragraph 25.

58. Establishment and Maintenance of Special Extended Warranty Programs.

a. If Cummins fails to ensure the establishment and maintenance of a Special Extended Warranty Program as required by Paragraphs 19.c, 19.d, 19.e, and 26 (and Appendix B), Cummins shall pay stipulated penalties for each Day on which the Special Extended Warranty Program should have been offered and maintained (but was not) through termination of this Consent Decree under Section XIX (Termination), as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$4,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

b. In addition to paying these stipulated penalties, Cummins shall reimburse any affected Eligible Owner or Eligible Lessee any amount paid by the Eligible Owner or the Eligible Lessee to Cummins or its Business Partners because of a failure to honor a Special Extended Warranty.

59. Failure to Meet Emission Modification Program Rate Targets.

a. If Cummins fails to achieve an 85 percent National EMP Rate by the date specified in Paragraph 24.c, Cummins shall pay the United States a stipulated penalty of \$8,000,000 for each percentage point that the National EMP Rate falls short of 85 percent.

b. If Cummins fails to achieve an 85 percent California EMP Rate by the date specified in Paragraph 24.d, Cummins shall pay CARB a stipulated penalty of: \$2,550,000 for each percentage point that the California EMP Rate falls short of 85 percent.

In calculating any payment under this Paragraph 59, each Emission Modification Program Rate shall be rounded to the nearest percentage point. The calculated percentage should first be rounded to two significant digits to the right of the decimal point. Then: (i) if the fractional portion of the percentage is .50 or more, round up (so 83.50% rounds to 84%); and (ii) if the fractional portion of the percentage is .49 or below, round down (so 83.49% rounds to 83%).

60. Failure to Comply with Prohibition on Defeat Devices. Cummins shall pay a stipulated penalty of \$50,000,000 per Defeat Device (for each affected Test Group listed in

Appendix A, but not per vehicle) if any of the following software configurations/calibrations installed in Subject Vehicles contain a Defeat Device: (i) the 2019 Emission Modification; (ii) the 2013-2018 Emission Modification; (iii) any prohibited adjustment to the Emissions Modifications for the 2013-2019 RAM covered by Paragraph 23.a; and/or (iv) the 2019-2023 RAM Software Configurations/Calibrations (including any prohibited adjustment covered by Paragraph 29).

61. Failure to Disclose AECDs. Cummins shall pay a stipulated penalty of \$250,000 per Undisclosed AECD (for each affected Test Group listed in Appendix A, but not per vehicle) if any of the following software configurations/calibrations installed in Subject Vehicles contain an Undisclosed AECD: (i) the 2019 Emission Modification; (ii) the 2013-2018 Emission Modification; (iii) any prohibited adjustment to the Emission Modifications for the 2013-2019 RAM covered by Paragraph 23.a; and/or (iv) the 2013-2023 RAM Software Configurations/Calibrations (including any prohibited adjustment covered by Paragraph 29). Stipulated penalties shall not be assessed under this Paragraph for any calibration features identified in the Confidential Business Information attachment to the December 12, 2023, letter from Cummins to the United States Department of Justice and the California Department of Justice.

C. Enhanced Vehicle Testing.

62. Failure to Provide Advance Notice of Enhanced Vehicle Testing. If Cummins fails to give EPA/CARB advance notice of enhanced vehicle testing in accordance with Paragraph 30.a or Paragraph 31.a, Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$3,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

63. Emission Modification Enhanced In-Use Testing. If Cummins fails to comply with the Enhanced In-Use Testing requirements under Paragraph 30, Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$20,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

64. Failure to Comply with Emission Standards Based on Emission Modification Enhanced In-Use Testing.

(1) If EPA/CARB issue a Noncompliance Determination under Paragraph 30.e(2) and then EPA/CARB approve Cummins' IUCP Failure Mitigation Plan under Paragraph 14(i)-(iii) and Paragraph 30.e(3), then Cummins shall pay a stipulated penalty of \$25,000,000.

(2) If EPA/CARB issue a Noncompliance Determination under Paragraph 30.e(2) and then EPA/CARB disapprove Cummins' IUCP Failure Mitigation Plan under Paragraph 14(iv) and Paragraph 30.e(3), then Cummins shall pay a stipulated penalty of \$50,000,000.

65. Special Cycle Testing of Future Model Year Vehicles. If Cummins fails to complete any annual precertification Special Cycle Testing or any Running Change Special Cycle Testing as required by Paragraph 31, Cummins shall pay stipulated penalties for each affected Test Group for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$20,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

D. Corporate Compliance.

66. Separation of Functions. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 34.a, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

67. Employee Discipline and Compensation. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 35, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1 st through 14 th Day
\$2,500	15 th through 30 th Day
\$10,000	31 st Day and beyond

68. Ethics and Compliance Concern Reporting. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 36, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1 st through 14 th Day
\$2,500	15 th through 30 th Day
\$10,000	31 st Day and beyond

69. Verification and Control Requirements for Diesel Compliance. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 38, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

E. Mitigation.

70. Failure to Comply with Prohibition on Defeat Devices in Locomotive Engines. Cummins shall pay the United States a stipulated penalty of \$50,000,000 per defeat device (for each affected engine family, but not per locomotive) if the Emissions Control System for any of the following locomotive engines contains a defeat device, as defined by 40 C.F.R.

§ 1033.115(f): (i) any model year 2024 Cummins QST30 or QSK50 engine installed in any United States-based locomotive after June 30, 2024; and/or (ii) any model year 2025 or later Cummins engine used for a Repowering Project under Paragraph 40.a or 40.b.

71. Failure to Disclose AECDs in Locomotive Engines. Cummins shall pay the United States a stipulated penalty of \$250,000 per auxiliary emission control device (for each affected engine family, but not per locomotive) if the Emissions Control System for any of the following locomotive engines contains an auxiliary emission control device, as defined by 40 C.F.R. § 1033.901, not disclosed in the application for certification: (i) any model year 2024 Cummins QST30 or QSK50 engine installed in any United States-based locomotive after March 31, 2024; and/or (ii) any model year 2025 or later Cummins engine used for a Repowering Project under Paragraph 40.a or 40.b.

72. Failure to Complete U.S. Mitigation Projects. If Cummins fails to complete all Mitigation Projects required by Paragraphs 39-41 by the specified deadlines contained in Paragraph 39.a, Cummins shall pay the United States the following stipulated penalties per violation per Day:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

73. Failure to Complete Additional Mitigation Projects. If Cummins fails to complete additional Mitigation Projects in accordance with the required amounts and deadlines in Paragraphs 43.a or 43.b, Cummins shall pay the United States the following stipulated penalties per violation per Day:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

F. Reporting Requirements and Testing and Information Requests.

74. Reports and Required Information Submissions. If Cummins fails to submit a report or information as required by Paragraphs 23.d, 30.d or 31.f, or Section VIII (Reporting Requirements), Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

75. Requests Concerning Testing and Requests for Information. If Cummins fails to provide EPA or CARB with test vehicles, equipment, software, or information covered by Paragraphs 103 or 104 within 45 Days of a request by EPA/CARB, Cummins shall pay stipulated penalties for each Day of noncompliance with the request, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

76. Stipulated penalties under this Section shall begin to accrue on the Day after performance is due or on the Day a violation occurs, whichever is applicable, and shall continue to accrue until performance is satisfactorily completed or until the violation ceases. Stipulated penalties shall accrue simultaneously for separate violations of this Consent Decree.

77. The United States, in consultation with CARB, shall issue any demand for stipulated penalties in writing to Cummins. The written demand for payment of stipulated penalties shall specifically identify the violation.

78. Cummins shall pay any stipulated penalties to the United States and CARB, as applicable, within 30 Days of receiving the written demand. Cummins shall pay 75 percent of the total stipulated penalty amount due to the United States and 25 percent to CARB, except for: (i) violations of the civil penalty payment requirements of Paragraph 8, for which Cummins shall pay stipulated penalties as specified by Paragraph 55; (ii) violations of the Emission Modification Program Rate requirements of Paragraph 24, for which Cummins shall pay stipulated penalties as specified by Paragraph 59; and (iii) violations of U.S. Mitigation Program requirements covered by Paragraphs 70-73, for which Cummins shall pay the entire stipulated penalty amount to the United States.

79. Either the United States or CARB may in the unreviewable exercise of its discretion, reduce or waive stipulated penalties otherwise due it under this Consent Decree. However, no action by either the United States or CARB may reduce or waive stipulated penalties due the other.

80. Stipulated penalties shall continue to accrue as provided in Paragraph 76 during any Dispute Resolution, but need not be paid until the following:

a. If the dispute is resolved by agreement of the Parties or by a decision of EPA/CARB that is not appealed to the District Court, Cummins shall pay accrued penalties determined to be owing, together with interest, to the United States and CARB, as applicable, within 30 Days of the effective date of the agreement or the receipt of EPA's/CARB's decision or order.

b. If the dispute is appealed to the District Court and the United States/California prevail(s) in whole or in part, Cummins shall pay all accrued penalties determined by the Court to be owing, together with interest, within 60 Days of receiving the Court's decision or order, except as provided in Paragraph 80.c, below.

c. If any Party appeals the District Court's decision and the United States/California prevails(s) in whole or in part, Cummins shall pay all accrued penalties determined to be owing, together with interest, within 15 Days of receiving the final appellate court decision.

d. The interest payable under this Paragraph shall accrue from 30 Days after Cummins' receipt of the written demand for penalties through the date of payment. The interest shall be computed at the rate specified in 28 U.S.C. § 1961 as of the date falling 30 Days after Cummins' receipt of the written demand for penalties.

81. Obligations Prior to the Effective Date. Upon the Effective Date, the stipulated penalty provisions of this Consent Decree shall be retroactively enforceable with regard to any and all violations of requirements of this Consent Decree that have occurred from the Date of Lodging to the Effective Date, provided that stipulated penalties that may have accrued prior to the Effective Date may not be collected unless and until this Consent Decree is entered by the Court.

82. Cummins shall pay stipulated penalties owing to the United States in the manner set forth and with the confirmation notices required by Paragraph 9, except that the transmittal letter shall state that the payment is for stipulated penalties and shall state for which violation(s) the penalties are being paid.

83. Cummins shall pay stipulated penalties owing to CARB by check, accompanied by a Payment Transmittal Form (which CARB will provide to the addressee listed in Paragraph 119 after the Effective Date), with each check mailed to:

California Air Resources Board,
Accounting Office
P.O. Box 1436
Sacramento, CA 95812-1436;

or by wire transfer, in which case Cummins shall use the following wire transfer information and send the Payment Transmittal Form to the above address prior to each wire transfer:

State of California Air Resources Board
c/o Bank of America, Inter Branch to 0148
Routing No. 0260-0959-3 Account No. 01482-80005
Notice of Transfer: Accounting; Fax: (916) 322-9612.
Reference: United States v. Cummins, CARB Case # C00261.

Cummins is responsible for any bank charges incurred for processing wire transfers. Stipulated penalties paid to CARB under this Consent Decree shall be deposited into the Air Pollution Control Fund for the purpose of enhancing CARB's mobile source emissions control program

through additional certification review, in-use evaluation, real-world testing, enforcement actions, and other CARB activities related to the control of air pollution.

84. If Cummins fails to pay stipulated penalties according to the terms of this Consent Decree, Cummins shall be liable for interest on such penalties, as provided for in 28 U.S.C. § 1961, accruing as of the date payment became due and continuing until payment has been made in full. Nothing in this Paragraph shall be construed to limit the United States or California from seeking any remedy otherwise provided by law for Cummins' failure to pay any stipulated penalties.

85. The payment of penalties and interest, if any, shall not alter in any way Cummins' obligation to complete the performance of the requirements of this Consent Decree.

86. Non-Exclusivity of Remedy. Stipulated penalties are not the United States' or California's exclusive remedy for violations of this Consent Decree, including violations of this Consent Decree that are also violations of law. Subject to the provisions of Section XIII (Effect of Settlement/Reservation of Rights), the United States and California expressly reserve the right to seek any other relief they deem appropriate for Cummins' violation of this Consent Decree or applicable law, including but not limited to an action against Cummins for statutory penalties, additional administrative or injunctive relief, mitigation or offset measures, and/or contempt. However, the amount of any statutory penalty assessed for a violation of this Consent Decree shall be reduced by an amount equal to the amount of any stipulated penalty assessed and paid pursuant to this Consent Decree (to the United States or to CARB, respectively).

X. FORCE MAJEURE

87. "Force majeure," for purposes of this Consent Decree, means any event arising from causes beyond the control of Cummins, of any entity controlled by Cummins, or of

Cummins’ contractors or Business Partners, that delays or prevents the performance of any obligation under this Consent Decree despite Cummins’ best efforts to fulfill the obligation. Given the need to protect public health and welfare and the environment, the requirement that Cummins exercise “best efforts to fulfill the obligation” includes using best efforts to anticipate any potential force majeure and best efforts to address the effects of any potential force majeure — as it is occurring and following the potential force majeure — such that any delay or non-performance is, and any adverse effects of the delay or non-performance are, minimized to the greatest extent possible. “Force majeure” does not include financial inability to perform any obligation under this Consent Decree.

88. If any event occurs for which Cummins will or may assert a claim of force majeure, Cummins shall provide initial notice to EPA/CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions). The deadline for the initial notice is seven Days after Cummins first knew or should have known that the event would likely delay or prevent performance. Cummins shall be deemed to know of any circumstance of which any Business Partner of, contractor of, subcontractor of, or entity controlled by Cummins knew or should have known.

89. If Cummins seeks to assert a claim of force majeure concerning the event, within seven Days after the initial notice under Paragraph 88, Cummins shall submit a further notice to EPA/CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions). That further notice shall include: (i) an explanation and description of the event and its effect on Cummins’ completion of the requirements of the Consent Decree; (ii) a description and schedule of all actions taken or to be taken to prevent or minimize the delay and/or other adverse effects of the event; (iii) if applicable, the proposed extension of time for

Cummins to complete the requirements of the Consent Decree; (iv) Cummins' rationale for attributing such delay to a force majeure; (v) a statement as to whether, in the opinion of Cummins, such event may cause or contribute to an endangerment to public health or welfare or the environment; and (vi) all available proof supporting the claim that the delay was attributable to a force majeure.

90. Failure to submit a timely or complete notice or claim under Paragraph 88 or 89 regarding an event precludes Cummins from asserting any claim of force majeure regarding that event.

91. If EPA/CARB agree that the delay or anticipated delay is attributable to a force majeure event, the time for performance of the obligations under this Consent Decree that are affected by the force majeure event will be extended by EPA/CARB for such time as is necessary to complete those obligations. An extension of the time for performance of the obligations affected by the force majeure event shall not, of itself, extend the time for performance of any other obligation. EPA/CARB will notify Cummins in writing of the length of the extension, if any, for performance of the obligations affected by the force majeure event.

92. If EPA/CARB do not agree that the delay or anticipated delay has been or will be caused by a force majeure event, EPA/CARB will notify Cummins in writing of that decision.

93. If Cummins elects to invoke the dispute resolution procedures set forth in Section XI (Dispute Resolution), it shall do so no later than 15 Days after receipt of EPA/CARB's notice. In any such proceeding, Cummins has the burden of proving that it is entitled to relief under Paragraph 87, that its proposed excuse or extension was or will be warranted under the circumstances, and that it complied with the requirements of Paragraphs 87-89. If Cummins carries this burden, the delay or non-performance at issue shall be deemed not

to be a violation by Cummins of the affected obligation of this Consent Decree identified to EPA/CARB and the Court.

XI. DISPUTE RESOLUTION

94. Unless otherwise expressly provided for in this Consent Decree, the dispute resolution procedures of this Section shall be the exclusive mechanism to resolve disputes arising between the Parties under or with respect to this Consent Decree. Cummins' failure to seek resolution of a dispute under this Section concerning an issue of which it had notice and an opportunity to dispute under this Section prior to an action by the United States or CARB to enforce any obligation of Cummins arising under this Consent Decree precludes Cummins from raising any such issue as a defense to any such enforcement action.

95. Informal Dispute Resolution. Any dispute subject to Dispute Resolution under this Consent Decree shall first be the subject of informal negotiations. The dispute shall be considered to have arisen when Cummins sends the United States and CARB a written Notice of Dispute. Such Notice of Dispute shall state clearly the matter in dispute. The period of informal negotiations shall not exceed 20 Days from the date Cummins sent its Notice of Dispute, unless that period is modified by a written agreement of the Parties. If the Parties cannot resolve a dispute by informal negotiations, then the position advanced by the United States/CARB shall be considered binding unless, within 30 Days after the conclusion of the informal negotiation period, Cummins invokes formal dispute resolution procedures as set forth below.

96. Formal Dispute Resolution. Cummins shall invoke formal dispute resolution procedures, within the time period provided in the preceding Paragraph, by sending the United States/CARB a written Statement of Position regarding the matter in dispute. The Statement of

Position shall include, but need not be limited to, any factual data, analysis, or opinion supporting Cummins' position and any supporting documentation relied upon by Cummins.

97. The United States/CARB will send Cummins its/their Statement of Position within 45 Days of receipt of Cummins' Statement of Position. The United States'/CARB's Statement of Position shall include, but need not be limited to, any factual data, analysis, or opinion supporting that position and any supporting documentation relied upon by the United States/CARB. The United States'/CARB's Statement of Position is binding on Cummins, unless Cummins files a motion for judicial review of the dispute in accordance with the following Paragraph.

98. Judicial Dispute Resolution. Cummins may seek judicial review of the dispute by filing with the Court and serving on the United States/CARB a motion requesting judicial resolution of the dispute. The motion must be filed within 30 Days of receipt of the United States' Statement of Position pursuant to the preceding Paragraph. The motion may not raise any issue that Cummins did not raise in informal dispute resolution pursuant to Paragraph 96 unless the issue was first raised by the United States'/CARB's Statement of Position. The motion shall contain a written statement of Cummins' position on the matter in dispute, including any supporting factual data, analysis, opinion, or documentation, and shall set forth the relief requested and any schedule within which the dispute must be resolved for orderly implementation of the Consent Decree.

99. The United States/CARB shall respond to Cummins' motion within the time period allowed by the Local Rules of this Court. Cummins may file a reply memorandum, to the extent permitted by the Local Rules.

100. Standard of Review.

a. Disputes Concerning Matters Accorded Record Review. Except as otherwise provided in this Consent Decree, in any dispute brought pursuant to Paragraph 96 that pertains to:

(i) the adequacy or appropriateness of plans or procedures to implement plans, schedules, or any other item that requires approval by EPA/CARB under this Consent Decree;

(ii) the adequacy of the performance of work undertaken pursuant to this Consent Decree; and/or

(iii) all other disputes that are accorded review on the administrative record under applicable principles of administrative law.

Cummins shall have the burden of demonstrating, based on the administrative record, that the position of EPA/CARB is arbitrary and capricious or otherwise not in accordance with law based on the administrative record. For purposes of this Paragraph, EPA/CARB will maintain an administrative record of the dispute, which will contain all statements of position, including supporting documentation, submitted pursuant to this Section. Prior to the filing of any motion, the Parties may submit additional materials to be part of the administrative record pursuant to applicable principles of administrative law.

b. Other Disputes. Except as otherwise provided in this Consent Decree, in any other dispute brought pursuant to Paragraph 96, Cummins shall bear the burden of demonstrating by a preponderance of the evidence that its position complies with this Consent Decree.

101. In any disputes brought under this Section, it is hereby expressly acknowledged and agreed that this Consent Decree was jointly drafted in good faith by the United States, California, and Cummins. Accordingly, the Parties hereby agree that any and all rules of construction to the effect that ambiguity is construed against the drafting party shall be inapplicable in any dispute concerning the terms, meaning, or interpretation of this Consent Decree.

102. The invocation of dispute resolution procedures under this Section shall not, by itself, extend, postpone, or affect in any way any obligation of Cummins under this Consent Decree, unless and until final resolution of the dispute so provides. Stipulated penalties with respect to the disputed matter shall continue to accrue from the first Day of noncompliance, but payment shall be stayed pending resolution of the dispute as provided in Paragraph 80. If Cummins does not prevail on the disputed issue, stipulated penalties shall be assessed and paid as provided in Section IX (Stipulated Penalties).

XII. INFORMATION COLLECTION AND RETENTION

103. Access to Information. The United States, CARB, and their representatives, including attorneys, contractors, and consultants (collectively, “Agency Representatives”), shall have the right of entry, upon presentation of credentials, at all reasonable times into any of Cummins’ offices, plants, or facilities:

- a. to monitor the progress of activities required under this Consent Decree;
- b. to verify any data or information submitted to the United States or CARB in accordance with the terms of this Consent Decree;

c. to conduct or observe testing related to this Consent Decree, whereupon a representative of Cummins shall be given the opportunity to accompany the Agency Representatives conducting any such testing;

d. to obtain documentary evidence, including photographs and similar data;

e. to assess Cummins' compliance with this Consent Decree; and/or

f. for other purposes as set forth in 42 U.S.C. § 7542(b) and Cal. Gov't Code § 11180 et seq.

104. Requests Concerning Testing. Upon request, and for purposes of evaluating compliance with this Consent Decree, Cummins shall, as soon as is reasonably practicable, provide EPA/CARB or agency representatives at locations to be designated by EPA/CARB:

a. a reasonable number of the Subject Vehicles and/or any MY 2025-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles for emissions testing;

b. specified software, hardware, and related documentation for Subject Vehicles of specified configurations and/or any MY 2025-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles of specified configurations, including any tools needed for testing; and/or

c. other items or information that could be requested pursuant to 42 U.S.C. § 7542(a) or Cal. Gov't Code § 11180 et seq.

105. Records Retention and Access to Records.

a. Until three years after the termination of this Consent Decree, Cummins shall retain, and shall instruct its contractors and agents to preserve, all Records in its or its contractors' or agents' possession or control, or that come into its or its contractors' or agents' possession or control, and that relate in any manner to Cummins' performance of

its obligations under this Consent Decree. The United States and CARB have an interest in these Records, which are necessary to their ability to oversee and assess Cummins' compliance with the terms of this Consent Decree resolving the United States' and CARB's allegations in their respective Complaints. These information-retention requirements shall apply regardless of any contrary corporate or institutional policies or procedures. Nothing in this Paragraph shall apply to any documents in the possession, custody, or control of any outside legal counsel retained by Cummins in connection with this Consent Decree or of any contractors or agents retained by such outside legal counsel solely to assist in the legal representation of Cummins.

b. At any time during the three-year information-retention period specified by Paragraph 105.a, upon request by the United States or CARB, Cummins shall provide the requesting agency representative copies of any Records required to be maintained under Paragraph 105.a.

106. Privileged or Protected Information. Cummins may assert that certain Records contain material that is privileged or protected as provided under federal or California law. If Cummins asserts such a privilege or protection, Cummins shall provide the requesting agency representative a redacted version of the Record and the following information, if it is not apparent in the redacted version of the Record: (i) the title of the Record; (ii) the date of the Record; (iii) the name and title of each author of the Record; (iv) the name and title of each addressee and recipient; (v) a description of the subject of the Record; and (vi) the privilege or protection asserted by Cummins. However, Cummins may make no claim of privilege or protection regarding: (i) any data regarding the Subject Vehicles that Cummins is required to

create or generate pursuant to this Consent Decree; or (ii) the final version of a portion of any record that Cummins is required to create or generate pursuant to this Consent Decree.

107. Confidential Business Information. Cummins may also assert that Records required to be provided under this Consent Decree are protected as Confidential Business Information (“CBI”) under 40 C.F.R. Part 2 or 17 C.C.R. §§ 91000 et seq. As to any Record that Cummins seeks to protect as CBI, Cummins and the United States and/or California, as applicable, shall follow the procedures set forth in 40 C.F.R. Part 2, and, for California, in 17 C.C.R. §§ 91000 et seq.

108. This Consent Decree in no way limits or affects any right of entry and inspection, or any right to obtain information, held by the United States or California pursuant to applicable federal or state laws, regulations, or permits, nor does it limit or affect any duty or obligation of Cummins to maintain Records imposed by applicable federal or state laws, regulations, or permits.

XIII. EFFECT OF SETTLEMENT/RESERVATION OF RIGHTS

109. Effect of Settlement of Civil Claims of the United States. Subject to the reservations of rights in this Section XIII, this Consent Decree resolves only the civil claims of the United States for civil penalties and injunctive relief against Cummins through the Date of Lodging for: (i) the violations alleged in the U.S. Complaint; (ii) violations arising from or relating to the Pre-Replacement Software Configurations installed in the 2013-2019 RAMs; and (iii) violations arising from or relating to Cummins’ applications for a Certificate of Conformity for the Subject Vehicles and any information provided to EPA for the purpose of securing such certificates.

110. Effect of Settlement of Civil Claims of CARB. Subject to the reservations of rights in this Section XIII, this Consent Decree resolves only the civil claims of CARB for civil penalties and injunctive relief against Cummins through the Date of Lodging for: (i) the violations alleged in the California Complaint; (ii) violations arising from or relating to the Pre- Replacement Software Configurations installed in the 2013-2019 RAMs; and (iii) violations arising from or relating to Cummins' applications for an Executive Order for the Subject Vehicles and any information provided to CARB for the purpose of securing such Executive Orders.

111. Neither this Consent Decree nor Cummins' consent to its entry constitutes an admission by Cummins of violations alleged by EPA or CARB in the Complaints related to the Subject Vehicles. Cummins reserves all defenses and all rights and remedies, legal and equitable, available to it in any action by a non-party pertaining to the Act, or any other federal, state, or local statute, rule, or regulation.

112. Reservations of Rights by the United States and the California Plaintiffs.

a. The United States and the California Plaintiffs reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree.

b. The United States further reserves any claim(s) of any agency of the United States other than EPA.

c. The California Plaintiffs further reserve, and this Consent Decree is without prejudice to, any and all civil claims, rights, and remedies against Cummins with respect to:

(1) further injunctive relief, including prohibitory and mandatory injunctive provisions intended to enjoin, prevent, and deter future misconduct,

and/or incentivize its detection, disclosure, and/or prosecution; or to enjoin false advertising, violation of environmental laws, violation of consumer laws, the making of false statements, or the use or employment of any practice that constitutes unfair competition;

(2) further injunctive relief pursuant to the California Health and Safety Code as alleged in the California Complaint to mitigate the total lifetime excess emissions in California from the Subject Vehicles, which injunctive relief is fully set forth in and resolved by the California Partial Consent Decree, lodged concurrently with this Consent Decree;

(3) any part of any claims for the violation of securities or false claims laws;

(4) any criminal liability;

(5) any and all other claim(s) of any officer or agency of the State of California other than CARB;

(6) any and all claims for relief to customers, including claims for restitution, refunds, rescission, damages, disgorgement;

(7) any and all claims of the California Attorney General; and

(8) any all claims held by individual consumers.

113. This Consent Decree shall not be construed to limit the rights of the United States or the California Plaintiffs to obtain penalties or injunctive relief under the Act or implementing regulations, or under other federal or state laws, regulations, or permit conditions, except as expressly specified in Paragraphs 109-110. The United States and the California Plaintiffs further reserve all legal and equitable remedies to address any conditions if there is or may be an

imminent and substantial endangerment to the public health or welfare or the environment arising at any of Cummins' facilities, or posed by Subject Vehicles, whether related to the violations addressed in this Consent Decree or otherwise. This Consent Decree does not impair the California Attorney General's right to seek relief for the claims alleged in the California Complaint or other violations of applicable law. However, the California Partial Consent Decree resolves the remaining claims in the California Complaint, including the claims brought by the California Attorney General.

114. In any subsequent administrative or judicial proceeding initiated by the United States or the California Plaintiffs for injunctive relief, civil penalties, other appropriate relief relating to any alleged violations by Cummins, Cummins shall not assert, and may not maintain, any defense or claim based upon the principles of waiver, claim preclusion (*res judicata*), issue preclusion (*collateral estoppel*), claim-splitting, or other defenses based upon any contention that the claims raised by the United States or the California Plaintiffs in the subsequent proceeding were or should have been brought in the instant case, except with respect to claims that have been specifically resolved pursuant to Paragraphs 109-110.

115. This Consent Decree is not a permit, or a modification of any permit, under any federal, State, or local laws or regulations. Cummins is responsible for achieving and maintaining complete compliance with all applicable federal, state, and local laws, regulations, and permits; and Cummins' compliance with this Consent Decree shall be no defense to any action commenced pursuant to any such laws, regulations, or permits, except as set forth herein. The United States and the California Plaintiffs do not, by their consent to the entry of this Consent Decree, warrant or aver in any manner that Cummins' compliance with any aspect of

this Consent Decree will result in compliance with provisions of the Act or with any other provisions of federal, state, or local laws, regulations, or permits.

116. This Consent Decree does not limit or affect the rights of Cummins or of the United States or the California Plaintiffs against any third parties not party to this Consent Decree, nor does it limit or affect the rights of third parties not party to this Consent Decree against Cummins, except as otherwise provided by law.

117. This Consent Decree shall not be construed to create rights in, or grant any cause of action to, any third party not party to this Consent Decree.

XIV. COSTS

118. The Parties shall bear their own costs of this action, including attorneys' fees, subject to Paragraph 112.c(5), except that the United States and CARB shall be entitled to collect the costs (including attorneys' fees) incurred in any action necessary to collect any portion of the civil penalty or any stipulated penalties due under this Consent Decree but not paid by Cummins.

XV. NOTICES AND SUBMISSIONS

119. Unless otherwise specified in this Consent Decree, Materials shall be accompanied by a cover letter and submitted electronically as described below, unless such notices are unable to be uploaded to the CDX electronic system (in the case of EPA) or transmitted by email (in the case of any other party). For all Materials submitted to EPA, Cummins shall register for the CDX electronic system and upload such notices at https://cdx.epa.gov/epa_home.asp. All Materials concerning enhanced vehicle testing submitted pursuant to Section VI.C (Enhanced Vehicle Testing) shall be submitted: (i) on an electronic data site hosted by Cummins that is accessible to the United States, EPA, CARB, and the California Attorney General at all times until 60 Days after termination of this Consent Decree, and from

which the United States, EPA, CARB, and the California Attorney General are able to download all data hosted on that site; and (ii) on a hard disk that must be mailed to the addresses specified below no later than the date that the next set of semi-annual reports are due after the relevant data has been uploaded to the data site, and an email specifying the method of mailing and tracking information shall be sent to the addresses below. If there is any discrepancy between the information submitted to the electronic data site and the information submitted on the hard disk, the information submitted to the data site shall control. Any Materials that cannot be uploaded to CDX or the Cummins-hosted electronic data site or transmitted via email or via a secure server shall be provided in writing via overnight mail (and if any attachment is voluminous, it shall be provided on a disk, hard drive, or other equivalent successor technology) to the addresses below:

<u>As to the United States:</u>	DOJ at the email, or if necessary, the mail addresses below and EPA (via CDX or the mail address below if CDX is not possible)
As to DOJ by email:	eescdcopy.enrd@usdoj.gov Re: DJ # 90-5-2-1-12300
As to DOJ by U.S. mail:	EES Case Management Unit Environment and Natural Resources Division U.S. Department of Justice P.O. Box 7611 Washington, DC 20044-7611 Re: DJ # 90-5-2-1-12300
As to DOJ by overnight mail:	4 Constitution Square 150 M Street, N. E. Suite 2.900 Washington, DC 20002 Re: DJ # 90-5-2-1-12300
As to EPA by email:	meisenbach.caitlin@epa.gov

As to EPA by U.S. mail:

Director, Air Enforcement Division
1200 Pennsylvania Avenue, NW
William J. Clinton South Building
MC 2242A
Washington, DC 20460

Materials regarding enhanced vehicle testing submitted pursuant to Paragraphs 30 and 31 shall be sent to OTAQ via hard drive at the following address:

Director, Compliance Division
USEPA National Vehicle and Fuel Emissions Laboratory
2565 Plymouth Road
Ann Arbor, MI 48105

Submissions to OTAQ shall be labelled, "Attn: Joel Dalton" and "Time Sensitive"

As to California:

CARB and CA AG at the email or if necessary, mail addresses below, as applicable. All information should be submitted to CARB electronically without paper copies, where possible.

As to CARB by email:

CumminsCD@arb.ca.gov

As to CARB by mail:

Chief Counsel
California Air Resources Board
Legal Office
1001 I Street
Sacramento, CA 95814

As to CARB by telephone:

916-322-2884

As to CA AG by email:

Mike.Cayaban@doj.ca.gov
Josh.Caplan@doj.ca.gov
Natalie.Collins@doj.ca.gov
Elizabeth.Song@doj.ca.gov
Taylor.Wetzel@doj.ca.gov

As to CA AG by mail:

Mike Cayaban
Supervising Deputy Attorney General
Joshua Caplan
Natalie Collins
Deputy Attorneys General
Natural Resources Law Section
Office of the Attorney General
600 West Broadway, Suite 1800
San Diego, CA 92101

Elizabeth Song
Taylor Wetzel
Deputy Attorneys General
Environment Section
Office of the Attorney General
300 S. Spring Street, Suite 1702
Los Angeles, CA 90013

As to Cummins:

To Cummins at the email or if necessary, mail addresses below.

As to Cummins by email:

To be provided by Cummins

As to Cummins by mail:

Nicole Y. Lamb-Hale
Vice President, Chief Legal Officer and Corporate Secretary

Jonathan Wood
Vice President and Chief Technical Officer

301 E. Market Street
Indianapolis, IN 46204

120. Any Party may, by written notice to the other Parties, change its designated Materials recipient or submission address provided in Paragraph 119.

121. Materials submitted pursuant to this Section shall be deemed submitted upon mailing or transmission by email, unless otherwise provided in this Consent Decree or by mutual agreement of the Parties in writing.

XVI. EFFECTIVE DATE

122. The Effective Date of this Consent Decree shall be the date upon which this Consent Decree is entered by the Court or a motion to enter the Consent Decree is granted, whichever occurs first, as recorded on the Court's docket; provided, however, that Cummins hereby agrees that it shall be bound to perform duties under this Consent Decree scheduled to occur prior to the Effective Date and shall perform those duties pursuant to this Consent Decree. In the event the United States withdraws or withholds consent to this Consent Decree before entry, or the Court declines to enter the Consent Decree, then the preceding requirement to perform duties scheduled to occur before the Effective Date shall terminate.

XVII. RETENTION OF JURISDICTION

123. The Court shall retain jurisdiction over this case, until termination of this Consent Decree, for the purpose of resolving disputes arising under this Consent Decree or entering orders modifying this Consent Decree, pursuant to Sections XI (Dispute Resolution) and XVIII (Modification), or effectuating or enforcing compliance with the terms of this Consent Decree.

XVIII. MODIFICATION

124. The terms of this Consent Decree, including any attached appendices, may be modified only by a subsequent written agreement signed by all the Parties. Where the modification constitutes a material change to this Consent Decree, it shall be effective only upon approval by the Court.

125. The United States or CARB, as applicable, will file any non-material modifications with the Court. The following modifications will be considered non-material: (i) changes to the method of submission of Materials unless this Consent Decree originally mandated that a Material be made public and the proposed change involves changing that

method of submission to make it non-public; (ii) extensions of time not to exceed 90 Days at a time or 180 Days cumulatively; and (iii) corrections of scrivener's errors.

126. Any disputes concerning modification of this Consent Decree shall be resolved pursuant to Section XI (Dispute Resolution), provided, however, that, instead of the burdens of proof provided by Paragraph 100, the Party seeking the modification bears the burden of demonstrating that it is entitled to the requested modification in accordance with Federal Rule of Civil Procedure 60(b).

XIX. TERMINATION

127. No earlier than five years after the Effective Date, after Cummins has completed the requirements of Section VI.A (2013-2019 RAM Compliance), Section VI.C (Enhanced Vehicle Testing), and Section VII (Mitigation); has demonstrated that it is in compliance with the requirements of Section VI.D (Corporate Compliance); has complied with all other requirements of this Consent Decree; and has paid the civil penalty and any accrued stipulated penalties as required by this Consent Decree, Cummins may serve upon the United States and CARB a request for termination, stating that Cummins has satisfied those requirements, together with all necessary supporting documentation. Cummins may serve such a request for termination notwithstanding specified requirements that shall continue after termination of the Consent Decree.

128. Following receipt by the United States and CARB of Cummins' request for termination, the Parties shall confer informally concerning the request and any disagreement that the Parties may have as to whether Cummins has satisfactorily complied with the requirements for termination of this Consent Decree. If the United States (after consultation with CARB) agrees that the Consent Decree may be terminated, the United States shall file a motion or a

stipulation and agreed order seeking entry of a Court order terminating the Decree; provided, however, that: (i) the provisions associated with effectuating and enforcing Paragraph 25 (Sale and Export Restrictions) shall continue in full force and effect for ten years from the Effective Date; and (ii) the provisions associated with effectuating and enforcing Paragraph 19 (Establishment and Maintenance of an Emission Modification Program and a Special Extended Warranty Program.) shall continue in full force and effect until those provisions terminate by their own terms.

129. If the United States (after consultation with CARB) does not agree that this Consent Decree may be terminated, Cummins may invoke Dispute Resolution under Section XI. However, Cummins shall not seek Dispute Resolution of any dispute regarding termination until at least 90 Days after service of its request for termination.

XX. PUBLIC PARTICIPATION

130. This Consent Decree shall be lodged with the Court for a period of not less than 30 Days for public notice and comment in accordance with 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments regarding this Consent Decree disclose facts or considerations indicating that this Consent Decree is inappropriate, improper, or inadequate. CARB reserves the right to withdraw or withhold its consent if the United States does so. Cummins consents to entry of this Consent Decree without further notice and agrees not to withdraw from or oppose entry of this Consent Decree by the Court or to challenge any provision of this Consent Decree, unless the United States has notified Cummins in writing that it no longer supports entry of this Consent Decree.

XXI. SIGNATORIES/SERVICE

131. Each undersigned representative of Cummins, California, and the U.S. Department of Justice identified on the DOJ signature page below, certifies that that person is fully authorized to enter into the terms and conditions of this Consent Decree and to execute and legally bind the Party that person represents to this document.

132. This Consent Decree may be signed in counterparts, and its validity shall not be challenged on that basis. For purposes of this Consent Decree, a signature page that is transmitted electronically (e.g., by facsimile or emailed “PDF”) shall have the same effect as an original.

133. Cummins agrees to accept service of process by mail with respect to all matters arising under or relating to this Consent Decree and to waive the formal service requirements set forth in Rules 4 and 5 of the Federal Rules of Civil Procedure and any applicable Local Rules of this Court including, but not limited to, service of a summons. Cummins need not file an answer to the Complaint in this action unless or until the Court expressly declines to enter this Consent Decree.

XXII. INTEGRATION

134. This Consent Decree constitutes the final, complete, and exclusive agreement and understanding among the Parties with respect to the settlement embodied in this Consent Decree and supersedes all prior agreements and understandings, whether oral or written, concerning the settlement embodied herein. Other than deliverables that are subsequently submitted and approved pursuant to this Consent Decree, the Parties acknowledge that there are no representations, agreements, or understandings relating to the settlement other than those expressly contained in this Consent Decree.

XXIII. 26 U.S.C. SECTION 162(f)(2)(A)(ii) IDENTIFICATION

135. For purposes of the identification requirement in Section 162(f)(2)(A)(ii) of the Internal Revenue Code, 26 U.S.C. § 162(f)(2)(A)(ii), and 26 C.F.R. § 1.162-21(b)(2), performance by Cummins of Section II (Applicability), Paragraph 5, Section V (Approval of Submissions; U.S./EPA/CARB Decision-making), Paragraphs 15-17, Section VI (Compliance Requirements), Paragraphs 19-38 (excluding Paragraphs 20.b, 23.a, 28, and 29), Section VII (Mitigation), Paragraphs 39-43, 45, Section VIII (Reporting Requirements), Paragraphs 46-51, Section XII (Information Collection and Retention), Paragraphs 103-105, Section XV (Notices and Submissions), Paragraph 119, and the requirements of the documents identified and incorporated by Section XXV (Appendices), is restitution, remediation, or required to come into compliance with law.

XXIV. HEADINGS

136. Headings to the Sections and Subsections of this Consent Decree are provided for convenience and do not affect the meaning or interpretation of the provisions of this Consent Decree.

XXV. APPENDICES

137. The following Appendices are attached to and part of this Consent Decree:

Appendix A: Identification of Subject Vehicles and Subject Vehicle Sub-Categories

Appendix B: Special Extended Warranty Parts Lists

Appendix C: LA Area Model Driving Route and Dynamometer Programming
for Special Cycle Testing

Appendix D: Adjustment Factors

XXVI. FINAL JUDGMENT

138. Upon approval and entry of this Consent Decree by the Court, this Consent Decree shall constitute a final judgment of the Court as to the United States, California, and Cummins. The Court therefore enters this judgment as a final judgment under Fed. R. Civ. P. 54 and 58.


Dated and entered this ___ day of _____, 20__.

UNITED STATES DISTRICT JUDGE

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins Inc. (D.D.C)


FOR THE UNITED STATES OF AMERICA:

1/9/2024
Date



TODD KIM, D.C. Bar # 501200
Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice

1/9/2024
Date



NICHOLAS A. McDANIEL
RANDALL M. STONE, D.C. Bar # 428003
Attorneys
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Washington, DC 20044-7611

Signature Page for Consent Decree in *United States v. Cummins, Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR THE U.S. ENVIRONMENTAL PROTECTION AGENCY:

Date: _____

DAVID
UHLMANN



Digitally signed by DAVID
UHLMANN
Date: 2024.01.04
18:35:40 -05'00'

DAVID M. UHLMANN
Assistant Administrator
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

ROSEMARIE KELLEY
Office Director
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

MARY E. GREENE
Division Director
Air Enforcement Division
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

CAITLIN KELLEHER MEISENBACH
Attorney-Advisor
Air Enforcement Division
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

Signature Page for Consent Decree in *United States v. Cummins, Inc.* and
People of the State of California v Cummins, Inc. (D.D.C)

FOR THE PEOPLE OF THE STATE OF CALIFORNIA BY AND THROUGH THE
CALIFORNIA AIR RESOURCES BOARD:

Date: January 9, 2024



MICHAEL P. CAYABAN
Supervising Deputy Attorney General
JOSHUA M. CAPLAN
NATALIE COLLINS
Deputy Attorneys General
California Department of Justice
Office of the Attorney General
600 West Broadway, Suite 1800
San Diego, CA 92101

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR THE CALIFORNIA AIR RESOURCES BOARD:

Date: January 9, 2024



LIANE RANDOLPH
Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814



STEVEN S. CLIFF, PH.D.
Executive Officer
California Air Resources Board
1001 I Street
Sacramento, CA 95814



ELLEN M. PETER
Chief Counsel
SHANNON DILLEY
Assistant Chief Counsel

Legal Office
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR CUMMINS INC.:

Date

DocuSigned by:

28040C6675754BD

NICOLE Y. LAMB-HALE
Vice President, Chief Legal Officer and Corporate
Secretary
301 E. Market Street
Indianapolis, IN 46204

Date

DocuSigned by:

D20FEE7D2E944E3...

JONATHAN WOOD
Vice President and Chief Technical Officer
301 E. Market Street
Indianapolis, IN 46204

APPENDIX A**Identification of Subject Vehicles and Subject Vehicle Sub-Categories**

<u>MY</u>	<u>Vehicle</u>	<u>Test Group</u>	<u>Other Defining Criteria</u>	<u>Sub-Category</u>
2013	RAM 2500 & RAM 3500	DCEXD06.78VV		2013-2019 RAMs
2013	RAM 3500	DCEXD06.78WV		2013-2019 RAMs
2014	RAM 2500 & RAM 3500	ECEXD06.78VV		2013-2019 RAMs
2014	RAM 3500	ECEXD06.78WV		2013-2019 RAMs
2015	RAM 2500 & RAM 3500	FCEXD06.78VV		2013-2019 RAMs
2015	RAM 3500	FCEXD06.78WV		2013-2019 RAMs
2016	RAM 2500 & RAM 3500	GCEXD06.78VV		2013-2019 RAMs
2016	RAM 3500	GCEXD06.78WV		2013-2019 RAMs
2017	RAM 2500 & RAM 3500	HCEXD06.78VV		2013-2019 RAMs
2017	RAM 3500	HCEXD06.78WV		2013-2019 RAMs
2018	RAM 2500 & RAM 3500	JCEXD06.78VV		2013-2019 RAMs
2018	RAM 3500	JCEXD06.78WV		2013-2019 RAMs
2019	RAM 2500	KCEXD06.78VV	Software Calibration 1	2013-2019 RAMs
2019	RAM 3500	KCEXD06.78WV	Software Calibration 1	2013-2019 RAMs
2019	RAM 2500	KCEXD06.78VV	Software Calibration 3	2019-2023 RAMs
2019	RAM 3500	KCEXD06.78WV	Software Calibration 3	2019-2023 RAMs
2020	RAM 2500	LCEXD06.78VV		2019-2023 RAMs
2020	RAM 3500	LCEXD06.78WV		2019-2023 RAMs
2021	RAM 2500	MCEXD06.78VV		2019-2023 RAMs
2021	RAM 3500	MCEXD06.78WV		2019-2023 RAMs
2022	RAM 2500	NCEXD06.78VV		2019-2023 RAMs
2022	RAM 3500	NCEXD06.78WV		2019-2023 RAMs
2023	RAM 2500	PCEXD06.78VV	Vehicles with engines sold before 12/21/2022	2019-2023 RAMs
2023	RAM 3500	PCEXD06.78WV	Vehicles with engines sold before 12/21/2022	2019-2023 RAMs

APPENDIX B.1

Special Extended Warranty – MY19 RAM

Subject to standard limitations that must be identified to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R. § 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the cost of all parts and labor needed to repair the items listed below.

- Exhaust and Aftertreatment Components, including:
 - Catalysts
 - Diesel Oxidation Catalyst / Diesel Particulate Filter (DPF) Assembly
 - Selective Catalyst Reduction (SCR) Catalyst Assembly
 - Ammonia Oxidation Catalyst
 - Sensors
 - NOx Sensors (including Engine Out and System Out)
 - DPF Differential Pressure Sensor
- Diesel Exhaust Fluid (DEF) System, including:
 - DEF Injector
 - DEF Injector Controller
 - DEF Storage Tank
 - DEF Delivery Lines
 - DEF Quality Sensor
 - DEF Supply Module, Pump, & Temperature Sensor Unit
- Exhaust Gas Recirculation (EGR) System, including:
 - EGR Cooler
 - EGR Valve
 - EGR Temperature Sensors
 - EGR Cooler Bypass Valve and Actuator

Additionally, the Special Extended Warranty shall cover the cost of any OBD diagnostic scan for malfunctions that trigger the OBD malfunction indicator light (MIL), regardless of whether the malfunction is attributable to a part that is covered under the Special Extended Warranty.

In the event that the hardware of the SCR controller is damaged by the software flash during installation of the Approved Emission Modification, Defendants will replace the hardware at no cost to the customer and provide a 2-year “spare parts” warranty for the replaced part.

If any repairs, recalls, or service is performed on any of the subject vehicles to correct a problem discovered during, or as a result of, the Enhanced In-Use Testing, the Special Extended Warranty shall also cover all parts replaced or repaired, or all parts that could reasonably be impacted by the repair, recall, or service.

APPENDIX B.2

Special Extended Warranty – MY13-18 RAM

Subject to standard limitations that must be identified to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R. § 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the cost of all parts and labor needed to repair the items listed below.

- Exhaust and Aftertreatment Components, including:
 - Catalysts
 - Selective Catalyst Reduction (SCR) Catalyst Assembly
 - Ammonia Oxidation Catalyst
 - Sensors
 - NOx Sensors (including Engine Out and System Out)
- Diesel Exhaust Fluid (DEF) System, including:
 - DEF Injector
 - DEF Injector Controller
 - DEF Storage Tank
 - DEF Delivery Lines
 - DEF Quality Sensor
 - DEF Supply Module, Pump, & Temperature Sensor Unit

Additionally, the Special Extended Warranty shall cover the cost of any OBD diagnostic scan for malfunctions that trigger the OBD malfunction indicator light (MIL), regardless of whether the malfunction is attributable to a part that is covered under the Special Extended Warranty.

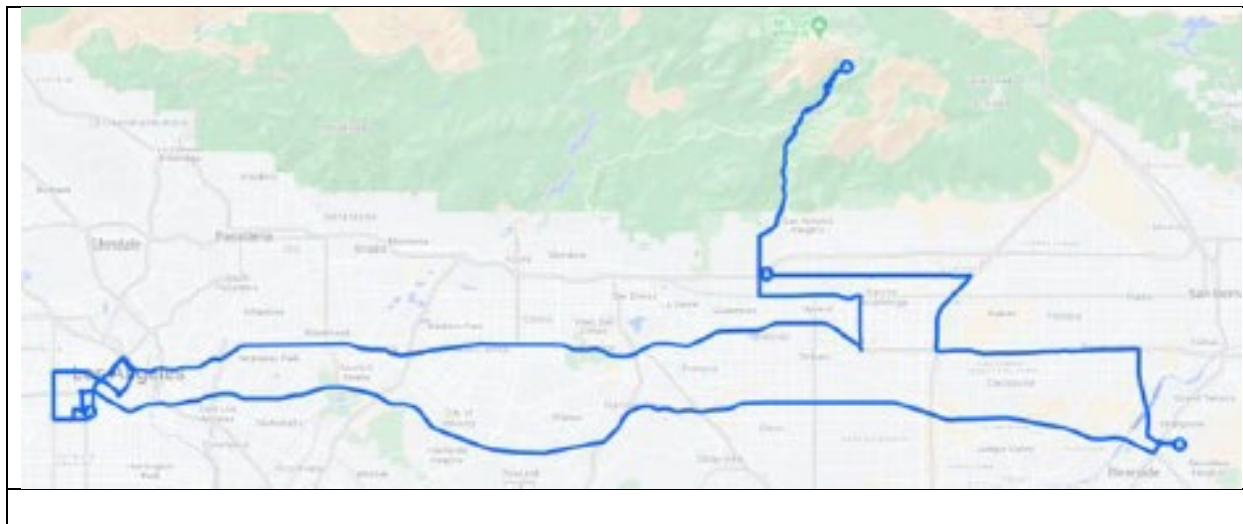
In the event that the hardware of the SCR controller is damaged by the software flash during installation of the Approved Emission Modification, Defendants will replace the hardware at no cost to the customer and provide a 2-year “spare parts” warranty for the replaced part.

If any repairs, recalls, or service is performed on any of the subject vehicles to correct a problem discovered during, or as a result of, the Enhanced In-Use Testing, the Special Extended Warranty shall also cover all parts replaced or repaired, or all parts that could reasonably be impacted by the repair, recall, or service.

APPENDIX C

LA Area Model Driving Route and Dynamometer Programming for Special Cycle Testing

The following “LA Area Modeling Driving Route” is used to program the dynamometer test cycle for special cycle testing pursuant to the Consent Decree.



Summary: Approximately 198 miles

Departure: CECERT – 1084 Columbia Ave, Riverside, CA 92507, USA

295 ft	Head north toward Columbia Ave
1.04 mi	Turn left onto Columbia Ave
423 ft	Turn right onto Primer St
118 ft	Turn right toward Interchange St
187 ft	Slight right onto Interchange St
0.26 mi	Merge onto I-215 S via the ramp on the left to Riverside
922 ft	Continue onto CA-91 W/State Rte 91 W (signs for Riverside/Beach Cities)
0.495 mi	Take exit 34C for CA-60 W toward Los Angeles
27.7 mi	Keep left and merge onto CA-60 W
0.382 mi	Keep right to continue on CA-57 S/CA-60 W
23.0 mi	Keep left at the fork to continue on CA-60 W, follow signs for Los Angeles
1.20 mi	Take exit 1A on the left toward Santa Monica
2.95 mi	Continue onto I-10 W
2.95 mi	Take the exit toward Hoover St 0.664 mi
531 ft	Turn right onto W 20th St
3927 ft	Turn right onto S Hoover St
359 ft	Turn right from Hoover onto 30th
1018 ft	Bear left on onto McKlintock Ave and continue to Jefferson Blvd
0.265 mi	Turn left onto W Jefferson Blvd
961 ft	Turn left onto S Figueroa St
410 ft	Turn right onto W 31st St
25 ft	Turn right onto Flower St

End CECERT-LA

890 ft	Continue on Flower St
0.803 mi	Turn right onto W Jefferson Blvd
0.503 mi	Turn left onto S Vermont Ave
0.991 mi	Turn right onto W Exposition Blvd
2.36 mi	Turn right onto S Western Ave
3.58 mi	Turn right onto W Olympic Blvd
472 ft	Turn right onto San Julian St
374 ft	Turn left onto E 11th St
1.25 mi	Turn left onto San Pedro St
837 ft	Continue onto Judge John Aiso St
0.551 mi	Turn left onto E Temple St
830 ft	Turn right onto N Grand Ave
128 ft	Turn left onto the ramp to CA-110
2.57 mi	Keep right at the fork, follow signs for I-110 S and merge onto CA-110
1.21 mi	Continue onto I-110 S

0.279 mi	Take exit 20B for Exposition Blvd
0.626 mi	Turn right onto W Exposition Blvd
0.626 mi	Turn right onto S Vermont Ave 0.491 mi
0.714 mi	Turn right onto W Jefferson Blvd
961 ft	Turn left onto S Figueroa St
410 ft	Turn right onto W 31st St
25 ft	Turn right onto Flower St
End LA-LA	
39 ft	Head southeast on W 31st St toward Flower St
890 ft	Continue on Flower St
0.803 mi	Turn right onto W Jefferson Blvd
0.503 mi	Turn left onto S Vermont Ave
0.991 mi	Turn right onto W Exposition Blvd
2.36 mi	Turn right onto S Western Ave
2.53 mi	Turn right onto W Olympic Blvd
722 mi	Turn left on Georgia St. It's from that street (not Wilshire) that we enter 110 N.
811 ft	Proceed onto the entrance ramp for CA-110 N/Harbor Fwy
1.06 mi	Merge onto CA-110 N/Harbor Fwy
2208 ft	Take exit 24A toward I-5 S/I-10 E
1.27 mi	Merge onto US-101 S
1.21 mi	Keep left at the fork to continue on San Bernardino Fwy, follow signs for I-10 E/San Bernardino
35.2 mi	Continue onto I-10 E/San Bernardino Fwy
1,204 ft	Take exit 54 for Vineyard Ave
2.55 mi	Turn left onto N Vineyard Ave
5.08 mi	Turn left onto W Foothill Blvd/Historic Rte 66 W, Continue to follow W Foothill Blvd
0.344 mi	Turn right onto Monte Vista Ave
0.669 mi	Continue straight to stay on Monte Vista Ave
0.342 mi	Turn right onto E Baseline Rd
272 ft	Turn left into parking lot (Sycamore Hills Plaza)
End LA-Upland	
256 ft	Return south through parking lot toward Base Line Rd
0.341 mi	Turn right onto Base Line Rd
1.79 mi	Turn right onto Padua Ave
9.97 mi	Turn right onto Mt Baldy Rd
1.85 mi	Turn right to stay on Mt Baldy Rd
End Upland-Mt. Baldy	
1.83 mi	Head southwest on Mt Baldy Rd toward Falls Rd
9.96 mi	Turn left to stay on Mt Baldy Rd
1.80 mi	Turn left onto Padua Ave
0.363 mi	Turn left onto E Baseline Rd
269 ft	Turn left into parking lot (Sycamore Hills Plaza)
End Mt. Baldy-Upland	
252 ft	Return south through parking lot toward Base Line Rd
0.664 mi	Turn left onto Base Line Rd
3.31 mi	Continue onto W 16th St
1.24 mi	Continue onto Base Line Rd
102 ft	Turn right toward Hellman Ave
282 ft	Turn right toward Hellman Ave
194 ft	Turn right onto Hellman Ave
4.90 mi	Turn right at the 1st cross street onto Base Line Rd
3.93 mi	Turn right to merge onto I-15 S toward San Diego
10.2 mi	Take exit 109B to merge onto I-10 E toward Indio/San Bernardino
0.330 mi	Take exit 68 for Riverside Ave toward Rialto
2.09 mi	Turn right onto S Riverside Ave; and stop at Agua Mansa Rd (for weight measurement)
1.35 mi	Continue on S Riverside Ave
0.870 mi	Continue onto Main St
1.72 mi	Turn left onto Columbia Ave
203 ft	Turn right into parking lot at CE-CERT
End Upland-CECERT	
Arrival: CECERT – 1084 Columbia Ave, Riverside, CA 92507, USA	

Dynamometer Programming for Special Cycle Testing

The parties recognize that certain technical adjustments may be required to implement this special cycle test on the dynamometer, such as breaking the trace into segments, restarting individual segments, or soak procedures. Any such technical adjustments may be made by written agreement from certification department staff at EPA and CARB. Any agreed-to technical adjustments will not be considered a modification of the Consent Decree.

time (s)	route	speed (mph)	distance (mi)	grade (%)
1	ColtStart	0.00	0.00	1.50
2	ColtStart	0.00	0.00	1.50
3	ColtStart	0.00	0.00	1.50
4	ColtStart	0.00	0.00	1.50
5	ColtStart	0.00	0.00	1.50
6	ColtStart	0.00	0.00	1.50
7	ColtStart	0.00	0.00	1.50
8	ColtStart	0.00	0.00	1.50
9	ColtStart	0.00	0.00	1.50
10	ColtStart	0.00	0.00	1.50
11	ColtStart	0.00	0.00	1.50
12	ColtStart	0.00	0.00	1.50
13	ColtStart	0.00	0.00	1.50
14	ColtStart	0.00	0.00	1.50
15	ColtStart	0.00	0.00	1.50
16	ColtStart	0.00	0.00	1.50
17	ColtStart	0.00	0.00	1.50
18	ColtStart	0.00	0.00	1.50
19	ColtStart	0.00	0.00	1.50
20	ColtStart	0.00	0.00	1.50
21	ColtStart	0.00	0.00	1.50
22	ColtStart	0.00	0.00	1.50
23	ColtStart	0.00	0.00	1.50
24	ColtStart	0.00	0.00	1.50
25	ColtStart	0.00	0.00	1.50
26	ColtStart	0.00	0.00	1.50
27	ColtStart	0.00	0.00	1.50
28	ColtStart	0.00	0.00	1.50
29	ColtStart	0.00	0.00	1.50
30	ColtStart	0.00	0.00	1.50
31	ColtStart	0.00	0.00	1.50
32	ColtStart	0.00	0.00	1.50
33	ColtStart	0.00	0.00	1.50
34	ColtStart	0.00	0.00	1.50
35	ColtStart	0.00	0.00	1.50
36	ColtStart	0.00	0.00	1.50
37	ColtStart	0.00	0.00	1.50
38	ColtStart	0.00	0.00	1.50
39	ColtStart	0.00	0.00	1.50
40	ColtStart	0.00	0.00	1.50
41	ColtStart	0.00	0.00	1.50
42	ColtStart	0.00	0.00	1.50
43	ColtStart	0.00	0.00	1.50
44	ColtStart	0.00	0.00	1.50
45	ColtStart	0.00	0.00	1.50
46	ColtStart	0.00	0.00	1.50
47	ColtStart	0.00	0.00	1.50
48	ColtStart	0.00	0.00	1.50
49	ColtStart	0.00	0.00	1.50
50	ColtStart	0.00	0.00	1.50
51	ColtStart	0.00	0.00	1.50
52	ColtStart	0.00	0.00	1.50
53	ColtStart	0.00	0.00	1.50
54	ColtStart	0.00	0.00	1.50
55	ColtStart	0.00	0.00	1.50
56	ColtStart	0.00	0.00	1.50
57	ColtStart	0.00	0.00	1.50
58	ColtStart	0.00	0.00	1.50
59	ColtStart	0.00	0.00	1.50
60	ColtStart	0.00	0.00	1.50
61	ColtStart	0.00	0.00	1.50
62	ColtStart	0.00	0.00	1.50
63	ColtStart	0.00	0.00	1.50
64	ColtStart	0.00	0.00	1.50
65	ColtStart	0.00	0.00	1.50
66	ColtStart	0.00	0.00	1.50
67	ColtStart	0.00	0.00	1.50
68	ColtStart	0.00	0.00	1.50
69	ColtStart	0.00	0.00	1.50
70	ColtStart	0.00	0.00	1.50
71	ColtStart	0.00	0.00	1.50
72	ColtStart	0.00	0.00	1.50
73	ColtStart	0.00	0.00	1.50
74	ColtStart	0.00	0.00	1.50
75	ColtStart	0.00	0.00	1.50
76	ColtStart	0.00	0.00	1.50
77	ColtStart	0.00	0.00	1.50
78	ColtStart	0.00	0.00	1.50

time (s)	route	speed (mph)	distance (mi)	grade (%)
157	ColtStart	0.69	0.01	1.50
158	ColtStart	2.09	0.01	1.50
159	ColtStart	2.77	0.01	1.50
160	ColtStart	2.39	0.02	1.50
161	ColtStart	0.98	0.02	1.50
162	ColtStart	0.14	0.02	1.50
163	ColtStart	1.12	0.02	1.50
164	ColtStart	2.66	0.02	1.50
165	ColtStart	3.38	0.02	1.50
166	ColtStart	3.66	0.02	1.50
167	ColtStart	3.27	0.02	1.50
168	ColtStart	2.79	0.02	1.50
169	ColtStart	2.17	0.02	1.50
170	ColtStart	1.18	0.02	1.50
171	ColtStart	0.00	0.02	1.50
172	ColtStart	0.39	0.02	1.50
173	ColtStart	1.90	0.02	1.50
174	ColtStart	4.44	0.02	1.50
175	ColtStart	6.87	0.03	1.50
176	ColtStart	8.71	0.03	1.50
177	ColtStart	9.66	0.03	1.50
178	ColtStart	8.93	0.03	1.50
179	ColtStart	8.07	0.03	1.50
180	ColtStart	8.58	0.04	1.50
181	ColtStart	9.98	0.04	1.50
182	ColtStart	10.60	0.04	1.50
183	ColtStart	10.71	0.05	1.50
184	ColtStart	10.53	0.05	1.50
185	ColtStart	9.26	0.05	0.77
186	ColtStart	9.56	0.05	0.77
187	ColtStart	10.71	0.06	0.77
188	ColtStart	11.40	0.06	0.77
189	ColtStart	12.03	0.06	0.77
190	ColtStart	12.88	0.07	0.77
191	ColtStart	13.29	0.07	0.77
192	ColtStart	14.11	0.07	0.77
193	ColtStart	14.93	0.08	0.77
194	ColtStart	15.65	0.08	0.77
195	ColtStart	15.75	0.09	0.77
196	ColtStart	15.06	0.09	0.77
197	ColtStart	14.11	0.10	0.77
198	ColtStart	13.66	0.10	0.77
199	ColtStart	12.66	0.10	0.77
200	ColtStart	10.69	0.11	0.77
201	ColtStart	7.65	0.11	0.77
202	ColtStart	5.00	0.11	0.77
203	ColtStart	3.79	0.11	0.77
204	ColtStart	5.04	0.11	0.77
205	ColtStart	8.07	0.11	0.77
206	ColtStart	9.19	0.12	0.77
207	ColtStart	10.29	0.12	0.77
208	ColtStart	11.45	0.12	0.77
209	ColtStart	12.79	0.13	0.77
210	ColtStart	14.98	0.13	0.77
211	ColtStart	17.76	0.13	0.77
212	ColtStart	20.70	0.14	0.77
213	ColtStart	23.57	0.15	0.77
214	ColtStart	25.97	0.15	-1.94
215	ColtStart	27.92	0.16	-1.94
216	ColtStart	29.55	0.17	-1.94
217	ColtStart	30.93	0.18	-1.94
218	ColtStart	32.18	0.19	-1.94
219	ColtStart	32.96	0.20	-1.94
220	ColtStart	33.16	0.21	-1.94
221	ColtStart	33.14	0.21	-1.94
222	ColtStart	33.19	0.22	-1.94
223	ColtStart	32.47	0.23	-1.94
224	ColtStart	31.60	0.24	-1.94
225	ColtStart	30.61	0.25	-1.94
226	ColtStart	28.31	0.26	-1.64
227	ColtStart	26.69	0.26	-1.64
228	ColtStart	24.60	0.27	-1.64
229	ColtStart	23.40	0.28	-1.64
230	ColtStart	21.75	0.28	-1.64
231	ColtStart	19.98	0.29	-1.64
232	ColtStart	19.47	0.29	-1.64
233	ColtStart	20.83	0.30	-1.64
234	ColtStart	23.73	0.31	-1.64

time (s)	route	speed (mph)	distance (mi)	grade (%)
79	ColtStart	0.00	0.00	1.50
80	ColtStart	0.00	0.00	1.50
81	ColtStart	0.00	0.00	1.50
82	ColtStart	0.00	0.00	1.50
83	ColtStart	0.00	0.00	1.50
84	ColtStart	0.00	0.00	1.50
85	ColtStart	0.00	0.00	1.50
86	ColtStart	0.00	0.00	1.50
87	ColtStart	0.00	0.00	1.50
88	ColtStart	0.00	0.00	1.50
89	ColtStart	0.00	0.00	1.50
90	ColtStart	0.00	0.00	1.50
91	ColtStart	0.00	0.00	1.50
92	ColtStart	0.00	0.00	1.50
93	ColtStart	0.00	0.00	1.50
94	ColtStart	0.00	0.00	1.50
95	ColtStart	0.00	0.00	1.50
96	ColtStart	0.00	0.00	1.50
97	ColtStart	0.00	0.00	1.50
98	ColtStart	0.00	0.00	1.50
99	ColtStart	0.00	0.00	1.50
100	ColtStart	0.00	0.00	1.50
101	ColtStart	0.00	0.00	1.50
102	ColtStart	0.00	0.00	1.50
103	ColtStart	0.00	0.00	1.50
104	ColtStart	0.00	0.00	1.50
105	ColtStart	0.00	0.00	1.50
106	ColtStart	0.00	0.00	1.50
107	ColtStart	0.00	0.00	1.50
108	ColtStart	0.00	0.00	1.50
109	ColtStart	0.00	0.00	1.50
110	ColtStart	0.00	0.00	1.50
111	ColtStart	0.00	0.00	1.50
112	ColtStart	0.00	0.00	1.50
113	ColtStart	0.00	0.00	1.50
114	ColtStart	0.00	0.00	1.50
115	ColtStart	0.00	0.00	1.50
116	ColtStart	0.00	0.00	1.50
117	ColtStart	0.00	0.00	1.50
118	ColtStart	0.00	0.00	1.50
119	ColtStart	0.00	0.00	1.50
120	ColtStart	0.00	0.00	1.50
121	ColtStart	0.00	0.00	1.50
122	ColtStart	0.00	0.00	1.50
123	ColtStart	0.00	0.00	1.50
124	ColtStart	0.00	0.00	1.50
125	ColtStart	0.00	0.00	1.50
126	ColtStart	0.00	0.00	1.50
127	ColtStart	0.00	0.00	1.50
128	ColtStart	0.00	0.00	1.50
129	ColtStart	0.00	0.00	1.50
130	ColtStart	0.00	0.00	1.50
131	ColtStart	0.00	0.00	1.50
132	ColtStart	0.00	0.00	1.50
133	ColtStart	0.00	0.00	1.50
134	ColtStart	0.00	0.00	1.50
135	ColtStart	0.00	0.00	1.50
136	ColtStart	0.00	0.00	1.50
137	ColtStart	0.00	0.00	1.50
138	ColtStart	0.00	0.00	1.50
139	ColtStart	0.73	0.00	1.50
140	ColtStart	1.56	0.00	1.50
141	ColtStart	2.31	0.00	1.50
142	ColtStart	2.89	0.00	1.50
143	ColtStart	2.82	0.00	1.50
144	ColtStart	2.95	0.00	1.50
145	ColtStart	3.43	0.00	1.50
146	ColtStart	3.85	0.01	1.50
147	ColtStart	3.99	0.01	1.50
148	ColtStart	3.78	0.01	1.50
149	ColtStart	3.74	0.01	1.50
150	ColtStart	3.80	0.01	1.50
151	ColtStart	3.89	0.01	1.50
152	ColtStart	3.73	0.01	1.50
153	ColtStart	3.00	0.01	1.50
154	ColtStart	1.62	0.01	1.50
155	ColtStart	0.00	0.01	1.50
156	ColtStart	0.00	0.01	1.50

time (s)	route	speed (mph)	distance (mi)	grade (%)
235	ColtStart	27.16	0.31	-1.64
236	ColtStart	30.17	0.32	-1.64
237	ColtStart	32.62	0.33	-1.64
238	ColtStart	34.12	0.34	-1.64
239	ColtStart	35.30	0.35	-1.39
240	ColtStart	36.35	0.36	-1.39
241	ColtStart	37.66	0.37	-1.39
242	ColtStart	39.60	0.38	-1.39
243	ColtStart	41.30	0.39	-1.39
244	ColtStart	42.64	0.40	-1.39
245	ColtStart	43.66	0.42	-1.39
246	ColtStart	44.54		

time (s)	route	speed (mph)	distance (mi)	grade (%)
313	ColtStart	0.00	0.89	-1.93
314	ColtStart	0.00	0.89	-1.93
315	ColtStart	0.00	0.89	-1.93
316	ColtStart	0.00	0.89	-1.93
317	ColtStart	0.00	0.89	-1.93
318	ColtStart	0.00	0.89	-1.93
319	ColtStart	0.00	0.89	-1.93
320	ColtStart	0.00	0.89	-1.93
321	ColtStart	0.00	0.89	-1.93
322	ColtStart	0.00	0.89	-1.93
323	ColtStart	0.00	0.89	-1.93
324	ColtStart	0.00	0.89	-1.93
325	ColtStart	0.00	0.89	-1.93
326	ColtStart	0.00	0.89	-1.93
327	ColtStart	0.00	0.89	-1.93
328	ColtStart	0.00	0.89	-1.93
329	ColtStart	0.00	0.89	-1.93
330	ColtStart	0.00	0.89	-1.93
331	ColtStart	0.00	0.89	-1.93
332	ColtStart	0.00	0.89	-1.93
333	ColtStart	0.24	0.89	-1.93
334	ColtStart	1.57	0.89	-1.93
335	ColtStart	1.57	0.89	-1.93
336	ColtStart	0.98	0.89	-1.93
337	ColtStart	0.00	0.89	-1.93
338	ColtStart	0.00	0.89	-1.93
339	ColtStart	0.00	0.89	-1.93
340	ColtStart	0.00	0.89	-1.93
341	ColtStart	0.00	0.89	-1.93
342	ColtStart	0.00	0.89	-1.93
343	ColtStart	0.00	0.89	-1.93
344	ColtStart	0.00	0.89	-1.93
345	ColtStart	0.00	0.89	-1.93
346	ColtStart	0.00	0.89	-1.93
347	ColtStart	2.21	0.89	-1.93
348	ColtStart	6.51	0.89	-1.93
349	ColtStart	8.70	0.89	-1.93
350	ColtStart	8.51	0.90	-1.93
351	ColtStart	7.77	0.90	-1.93
352	ColtStart	7.97	0.90	-1.93
353	ColtStart	10.22	0.90	-1.93
354	ColtStart	11.69	0.91	-1.93
355	ColtStart	12.04	0.91	-1.93
356	ColtStart	12.54	0.91	-1.93
357	ColtStart	12.23	0.92	-1.93
358	ColtStart	11.16	0.92	-1.93
359	ColtStart	10.49	0.92	-1.93
360	ColtStart	11.52	0.93	-1.93
361	ColtStart	14.05	0.93	-1.93
362	ColtStart	16.63	0.93	-1.93
363	ColtStart	17.98	0.94	-1.93
364	ColtStart	17.61	0.94	-1.93
365	ColtStart	17.07	0.95	-1.93
366	ColtStart	17.71	0.95	-0.60
367	ColtStart	19.12	0.96	-0.60
368	ColtStart	18.92	0.96	-0.60
369	ColtStart	18.14	0.97	-0.60
370	ColtStart	17.60	0.97	-0.60
371	ColtStart	16.73	0.98	-0.60
372	ColtStart	18.19	0.98	-0.60
373	ColtStart	20.78	0.99	-0.60
374	ColtStart	22.97	0.99	-0.60
375	ColtStart	23.68	1.00	-0.60
376	ColtStart	23.60	1.01	-0.60
377	ColtStart	23.25	1.01	-0.60
378	ColtStart	22.66	1.02	-0.60
379	ColtStart	22.38	1.03	-0.60
380	ColtStart	21.79	1.03	-0.60
381	ColtStart	19.58	1.04	-0.60
382	ColtStart	16.91	1.04	-0.60
383	ColtStart	14.03	1.05	-0.60
384	ColtStart	12.02	1.05	-0.60
385	ColtStart	11.51	1.05	0.17
386	ColtStart	11.31	1.06	0.17
387	ColtStart	11.60	1.06	0.17
388	ColtStart	12.42	1.06	0.17
389	ColtStart	12.75	1.07	0.17
390	ColtStart	12.42	1.07	0.17

time (s)	route	speed (mph)	distance (mi)	grade (%)
469	ColtStart	3.49	1.22	0.48
470	ColtStart	3.20	1.22	0.48
471	ColtStart	3.58	1.22	0.48
472	ColtStart	3.10	1.22	0.48
473	ColtStart	1.79	1.22	0.48
474	ColtStart	0.50	1.22	0.48
475	ColtStart	1.44	1.22	0.48
476	ColtStart	3.46	1.22	0.48
477	ColtStart	4.69	1.22	0.48
478	ColtStart	5.45	1.22	0.48
479	ColtStart	5.90	1.23	0.48
480	ColtStart	6.88	1.23	0.48
481	ColtStart	7.81	1.23	0.48
482	ColtStart	8.46	1.23	0.48
483	ColtStart	7.71	1.23	0.48
484	ColtStart	6.17	1.24	0.48
485	ColtStart	4.13	1.24	0.48
486	ColtStart	2.34	1.24	0.48
487	ColtStart	0.43	1.24	0.48
488	ColtStart	0.00	1.24	0.48
489	ColtStart	0.00	1.24	0.48
490	ColtStart	0.00	1.24	0.48
491	ColtStart	0.00	1.24	0.48
492	ColtStart	0.00	1.24	0.48
493	ColtStart	0.00	1.24	0.48
494	ColtStart	0.00	1.24	0.48
495	ColtStart	0.00	1.24	0.48
496	ColtStart	0.00	1.24	0.48
497	ColtStart	1.49	1.24	0.48
498	ColtStart	4.43	1.24	0.48
499	ColtStart	5.82	1.24	0.48
500	ColtStart	5.32	1.24	0.48
501	ColtStart	3.53	1.24	0.48
502	ColtStart	1.68	1.24	0.48
503	ColtStart	0.00	1.24	0.48
504	ColtStart	0.00	1.24	0.48
505	ColtStart	0.00	1.24	0.48
506	ColtStart	0.00	1.24	0.48
507	ColtStart	0.00	1.24	0.48
508	ColtStart	0.00	1.24	0.48
509	ColtStart	0.00	1.24	0.48
510	ColtStart	0.00	1.24	0.48
511	ColtStart	0.00	1.24	0.48
512	ColtStart	0.14	1.24	0.48
513	ColtStart	1.50	1.24	0.48
514	ColtStart	3.26	1.25	0.48
515	ColtStart	4.16	1.25	0.48
516	ColtStart	3.03	1.25	0.48
517	ColtStart	2.13	1.25	0.48
518	ColtStart	1.45	1.25	0.48
519	ColtStart	0.77	1.25	0.48
520	ColtStart	0.00	1.25	0.48
521	ColtStart	0.00	1.25	0.48
522	ColtStart	0.65	1.25	0.48
523	ColtStart	3.20	1.25	0.48
524	ColtStart	4.70	1.25	-0.61
525	ColtStart	4.09	1.25	-0.61
526	ColtStart	2.87	1.25	-0.61
527	ColtStart	1.80	1.25	-0.61
528	ColtStart	2.45	1.25	-0.61
529	ColtStart	3.58	1.26	-0.61
530	ColtStart	4.49	1.26	-0.61
531	ColtStart	4.54	1.26	-0.61
532	ColtStart	3.55	1.26	-0.61
533	ColtStart	2.05	1.26	-0.61
534	ColtStart	0.41	1.26	-0.61
535	ColtStart	0.00	1.26	-0.61
536	ColtStart	0.00	1.26	-0.61
537	ColtStart	0.00	1.26	-0.61
538	ColtStart	0.00	1.26	-0.61
539	ColtStart	0.00	1.26	-0.61
540	ColtStart	0.86	1.26	-0.61
541	ColtStart	2.19	1.26	-0.61
542	ColtStart	3.29	1.26	-0.61
543	ColtStart	4.15	1.26	-0.61
544	ColtStart	4.28	1.26	-0.61
545	ColtStart	4.27	1.26	-0.61
546	ColtStart	3.84	1.27	-0.61

time (s)	route	speed (mph)	distance (mi)	grade (%)
391	ColtStart	11.93	1.07	0.17
392	ColtStart	11.62	1.08	0.17
393	ColtStart	9.69	1.08	0.17
394	ColtStart	7.48	1.08	0.17
395	ColtStart	6.03	1.08	0.17
396	ColtStart	5.83	1.08	0.17
397	ColtStart	6.69	1.09	0.17
398	ColtStart	8.71	1.09	0.17
399	ColtStart	9.53	1.09	0.17
400	ColtStart	9.02	1.09	0.17
401	ColtStart	8.10	1.10	0.17
402	ColtStart	8.63	1.10	0.17
403	ColtStart	10.70	1.10	0.17
404	ColtStart	13.56	1.10	0.17
405	ColtStart	15.52	1.11	0.17
406	ColtStart	16.53	1.11	0.17
407	ColtStart	17.79	1.12	0.17
408	ColtStart	16.36	1.12	0.17
409	ColtStart	19.97	1.13	0.17
410	ColtStart	19.81	1.13	0.17
411	ColtStart	19.20	1.14	0.17
412	ColtStart	18.03	1.14	0.17
413	ColtStart	16.28	1.15	0.17
414	ColtStart	14.21	1.15	0.48
415	ColtStart	11.62	1.16	0.48
416	ColtStart	9.68	1.16	0.48
417	ColtStart	9.05	1.16	0.48
418	ColtStart	9.09	1.16	0.48
419	ColtStart	10.12	1.17	0.48
420	ColtStart	9.69	1.17	0.48
421	ColtStart	8.38	1.17	0.48
422	ColtStart	7.16	1.17	0.48
423	ColtStart	6.68	1.18	0.48
424	ColtStart	6.47	1.18	0.48
425	ColtStart	6.92	1.18	0.48
426	ColtStart	6.95	1.18	0.48
427	ColtStart	6.58	1.18	0.48
428	ColtStart	5.93	1.18	0.48
429	ColtStart	5.25	1.19	0.48
430	ColtStart	4.68	1.19	0.48
431	ColtStart	4.17	1.19	0.48
432	ColtStart	3.78	1.19	0.48
433	ColtStart	3.31	1.19	0.48
434	ColtStart	2.80	1.19	0.48
435	ColtStart	1.48	1.19	0.48
436	ColtStart	1.32	1.19	0.48
437	ColtStart	2.67	1.19	0.48
438	ColtStart	4.33	1.19	0.48
439	ColtStart	5.07	1.20	0.48
440	ColtStart	4.73	1.20	0.48
441	ColtStart	4.01	1.20	0.48
442	ColtStart	3.39	1.20	0.48
443	ColtStart	3.50	1.20	0.48
444	ColtStart	3.45	1.20	0.48
445	ColtStart	3.08	1.20	0.48
446	ColtStart	2.76	1.20	0.48
447	ColtStart	2.70	1.20	0.48
448	ColtStart	2.95	1.20	0.48
449	ColtStart	3.12	1.20	0.48
450	ColtStart	2.85	1.21	0.48
451	ColtStart	2.06	1.21	0.48
452	ColtStart	0.84	1.21	0.48
453	ColtStart	0.00	1.21	0.48
454	ColtStart	0.00	1.21	0.48
455	ColtStart	0.00	1.21	0.48
456	ColtStart	0.00	1.21	0.48
457	ColtStart	0.00	1.21	0.48
458	ColtStart	0.00	1.21	0.48
459	ColtStart	0.17	1.21	0.48
460	ColtStart	0.98	1.21	0.48
461	ColtStart	1.71	1.21	0.48
462	ColtStart	3.75	1.21	0.48
463	ColtStart	5.23	1.21	0.48
464	ColtStart	5.71	1.21	0.48
465	ColtStart	5.20	1.21	0.48
466	ColtStart	4.56	1.21	0.48
467	ColtStart	4.27	1.21	0.48
468	ColtStart	3.86	1.22	0.48

time (s)	route	speed (mph)	distance (mi)	grade (%)
547	ColtStart	2.92	1.27	-0.61
548	ColtStart	1.95	1.27	-0.61
549	ColtStart	0.88	1.27	-0.61
550	ColtStart	0.00	1.27	-0.61
551	ColtStart	0.43	1.27	-0.61
552	ColtStart	1.95	1.27	-0.61
553	ColtStart	3.07	1.27	-0.61
554	ColtStart	4.02	1.27	-0.61
555	ColtStart	4.42	1.27	-0.61
556	ColtStart			

time (s)	route	speed (mph)	distance (mi)	grade (%)
625	ColdStart	47.64	1.52	-0.54
626	ColdStart	48.38	1.54	-0.54
627	ColdStart	48.38	1.55	-0.54
628	ColdStart	47.60	1.56	0.18
629	ColdStart	46.74	1.58	0.18
630	ColdStart	45.54	1.59	0.18
631	ColdStart	44.13	1.60	0.18
632	ColdStart	42.59	1.61	0.18
633	ColdStart	41.23	1.62	0.18
634	ColdStart	40.82	1.63	0.18
635	ColdStart	41.86	1.65	0.18
636	ColdStart	43.61	1.66	0.04
637	ColdStart	45.38	1.67	0.04
638	ColdStart	45.22	1.68	0.04
639	ColdStart	42.94	1.69	0.04
640	ColdStart	39.49	1.71	0.04
641	ColdStart	36.11	1.72	0.04
642	ColdStart	33.77	1.72	0.04
643	ColdStart	32.72	1.73	0.04
644	ColdStart	33.08	1.74	0.04
645	ColdStart	33.52	1.75	0.14
646	ColdStart	35.67	1.76	-0.74
647	ColdStart	37.86	1.77	-0.74
648	CECERT-LA	38.40	1.78	-0.74
649	CECERT-LA	37.66	1.79	-0.74
650	CECERT-LA	38.09	1.80	-0.74
651	CECERT-LA	39.43	1.81	-0.74
652	CECERT-LA	39.93	1.83	-0.74
653	CECERT-LA	39.85	1.84	-0.74
654	CECERT-LA	39.42	1.85	-0.74
655	CECERT-LA	39.94	1.86	0.95
656	CECERT-LA	40.29	1.87	0.95
657	CECERT-LA	40.70	1.88	0.95
658	CECERT-LA	40.42	1.89	0.95
659	CECERT-LA	39.70	1.90	0.95
660	CECERT-LA	39.03	1.91	0.95
661	CECERT-LA	39.33	1.92	0.95
662	CECERT-LA	39.54	1.94	0.95
663	CECERT-LA	39.18	1.95	0.95
664	CECERT-LA	38.18	1.96	-0.24
665	CECERT-LA	37.18	1.97	-0.24
666	CECERT-LA	36.41	1.98	-0.24
667	CECERT-LA	36.82	1.99	-0.24
668	CECERT-LA	37.97	2.00	-0.24
669	CECERT-LA	39.49	2.01	-0.24
670	CECERT-LA	40.73	2.02	-0.24
671	CECERT-LA	41.82	2.03	-0.24
672	CECERT-LA	43.10	2.04	-0.24
673	CECERT-LA	44.50	2.05	-2.84
674	CECERT-LA	46.08	2.07	-2.84
675	CECERT-LA	47.57	2.08	-2.84
676	CECERT-LA	47.61	2.09	-2.84
677	CECERT-LA	48.28	2.11	-2.84
678	CECERT-LA	50.07	2.12	-2.84
679	CECERT-LA	51.58	2.13	-2.84
680	CECERT-LA	51.73	2.15	-2.84
681	CECERT-LA	50.66	2.16	-2.07
682	CECERT-LA	48.93	2.18	-2.07
683	CECERT-LA	47.08	2.19	-2.07
684	CECERT-LA	45.17	2.20	-2.07
685	CECERT-LA	44.38	2.21	-2.07
686	CECERT-LA	44.53	2.23	-2.07
687	CECERT-LA	44.70	2.24	-2.07
688	CECERT-LA	45.85	2.25	-2.74
689	CECERT-LA	46.96	2.26	-2.74
690	CECERT-LA	47.54	2.28	-2.74
691	CECERT-LA	48.46	2.29	-2.74
692	CECERT-LA	50.39	2.30	-2.74
693	CECERT-LA	51.68	2.32	-2.74
694	CECERT-LA	52.75	2.33	-2.74
695	CECERT-LA	53.77	2.35	-2.74
696	CECERT-LA	54.66	2.36	-2.13
697	CECERT-LA	55.70	2.38	-2.13
698	CECERT-LA	56.76	2.39	-2.13
699	CECERT-LA	57.22	2.41	-2.13
700	CECERT-LA	57.86	2.43	-2.13
701	CECERT-LA	58.75	2.44	-2.13
702	CECERT-LA	59.73	2.46	-0.80

time (s)	route	speed (mph)	distance (mi)	grade (%)
703	CECERT-LA	60.62	2.47	-0.80
704	CECERT-LA	63.59	2.49	-0.80
705	CECERT-LA	65.71	2.51	-0.80
706	CECERT-LA	67.62	2.53	0.80
707	CECERT-LA	70.45	2.55	-0.80
708	CECERT-LA	72.39	2.57	0.17
709	CECERT-LA	73.08	2.59	0.17
710	CECERT-LA	73.02	2.61	0.17
711	CECERT-LA	72.40	2.63	0.17
712	CECERT-LA	71.07	2.65	0.17
713	CECERT-LA	70.34	2.67	0.47
714	CECERT-LA	70.16	2.69	0.47
715	CECERT-LA	70.24	2.71	0.47
716	CECERT-LA	70.47	2.73	0.47
717	CECERT-LA	70.95	2.74	0.47
718	CECERT-LA	71.55	2.76	-0.62
719	CECERT-LA	72.51	2.78	-0.62
720	CECERT-LA	73.61	2.80	-0.62
721	CECERT-LA	74.69	2.82	-0.62
722	CECERT-LA	75.79	2.85	-0.62
723	CECERT-LA	76.61	2.87	0.14
724	CECERT-LA	76.94	2.89	0.14
725	CECERT-LA	77.06	2.91	0.14
726	CECERT-LA	76.83	2.93	0.14
727	CECERT-LA	76.78	2.95	-0.41
728	CECERT-LA	76.80	2.97	-0.41
729	CECERT-LA	76.92	2.99	-0.41
730	CECERT-LA	76.95	3.01	-0.41
731	CECERT-LA	76.54	3.04	-0.41
732	CECERT-LA	75.43	3.06	0.66
733	CECERT-LA	75.49	3.08	0.66
734	CECERT-LA	75.53	3.10	0.66
735	CECERT-LA	74.68	3.12	0.66
736	CECERT-LA	73.75	3.14	0.66
737	CECERT-LA	73.12	3.16	-0.32
738	CECERT-LA	74.15	3.18	-0.32
739	CECERT-LA	74.61	3.20	-0.32
740	CECERT-LA	75.25	3.22	-0.32
741	CECERT-LA	75.61	3.24	-0.32
742	CECERT-LA	75.06	3.26	-0.09
743	CECERT-LA	74.75	3.28	-0.09
744	CECERT-LA	75.19	3.30	-0.09
745	CECERT-LA	75.28	3.32	-0.09
746	CECERT-LA	74.85	3.34	-0.09
747	CECERT-LA	74.64	3.36	-0.21
748	CECERT-LA	72.37	3.38	-0.21
749	CECERT-LA	71.25	3.40	-0.21
750	CECERT-LA	70.36	3.42	-0.21
751	CECERT-LA	69.54	3.44	-0.21
752	CECERT-LA	69.32	3.46	-3.88
753	CECERT-LA	69.23	3.48	-3.88
754	CECERT-LA	69.28	3.50	-3.88
755	CECERT-LA	69.29	3.52	-3.88
756	CECERT-LA	68.53	3.54	-3.88
757	CECERT-LA	67.82	3.56	1.80
758	CECERT-LA	67.74	3.58	1.80
759	CECERT-LA	67.65	3.59	1.80
760	CECERT-LA	67.54	3.61	1.80
761	CECERT-LA	67.10	3.63	1.80
762	CECERT-LA	66.34	3.65	1.80
763	CECERT-LA	65.92	3.67	1.63
764	CECERT-LA	65.51	3.69	1.63
765	CECERT-LA	65.78	3.70	1.63
766	CECERT-LA	66.19	3.72	1.63
767	CECERT-LA	66.62	3.74	1.63
768	CECERT-LA	67.06	3.76	2.10
769	CECERT-LA	67.45	3.78	2.10
770	CECERT-LA	67.79	3.80	2.10
771	CECERT-LA	68.13	3.81	2.10
772	CECERT-LA	68.29	3.83	2.10
773	CECERT-LA	68.40	3.85	-0.32
774	CECERT-LA	68.52	3.87	-0.32
775	CECERT-LA	68.65	3.89	-0.32
776	CECERT-LA	68.14	3.91	-0.32
777	CECERT-LA	67.56	3.93	-0.32
778	CECERT-LA	67.20	3.95	-0.32
779	CECERT-LA	66.26	3.96	0.40
780	CECERT-LA	65.93	3.98	0.40

time (s)	route	speed (mph)	distance (mi)	grade (%)
781	CECERT-LA	66.23	4.00	0.40
782	CECERT-LA	65.71	4.02	0.40
783	CECERT-LA	64.78	4.04	0.40
784	CECERT-LA	64.19	4.05	2.22
785	CECERT-LA	64.54	4.07	2.22
786	CECERT-LA	64.43	4.09	2.22
787	CECERT-LA	64.66	4.11	2.22
788	CECERT-LA	65.10	4.12	2.22
789	CECERT-LA	65.85	4.14	2.22
790	CECERT-LA	66.55	4.16	-0.23
791	CECERT-LA	67.45	4.18	-0.23
792	CECERT-LA	68.22	4.20	-0.23
793	CECERT-LA	69.00	4.22	-0.23
794	CECERT-LA	69.63	4.24	-0.23
795	CECERT-LA	70.12	4.26	-0.24
796	CECERT-LA	70.48	4.27	-0.24
797	CECERT-LA	70.39	4.29	-0.24
798	CECERT-LA	69.53	4.31	-0.24
799	CECERT-LA	68.98	4.33	-0.24
800	CECERT-LA	69.21	4.35	-0.17
801	CECERT-LA	69.30	4.37	-0.17
802	CECERT-LA	69.48	4.39	-0.17
803	CECERT-LA	69.86	4.41	-0.17
804	CECERT-LA	70.23	4.43	-0.17
805	CECERT-LA	70.65	4.45	-0.17
806	CECERT-LA	71.08	4.47	1.23
807	CECERT-LA	71.24	4.49	1.23
808	CECERT-LA	71.32	4.51	1.23
809	CECERT-LA	71.36	4.53	1.23
810	CECERT-LA	71.57	4.55	1.23
811	CECERT-LA	71.81	4.57	-0.14
812	CECERT-LA	71.96	4.59	-0.14
813	CECERT-LA	71.79	4.60	-0.14
814	CECERT-LA	71.85	4.62	-0.14
815	CECERT-LA	71.74	4.64	-0.14
816	CECERT-LA	71.38	4.66	1.68
817	CECERT-LA	70.95	4.68	1.68
818	CECERT-LA	70.42	4.70	1.68
819	CECERT-LA	70.33	4.72	1.68
820	CECERT-LA	70.20	4.74	1.68
821	CECERT-LA	70.54	4.76	1.88
822	CECERT-LA	70.98	4.78	1.88
823	CECERT-LA	71.43	4.80	1.88
824	CECERT-LA	71.74	4.82	1.88
825	CECERT-LA	71.85	4.84	1.88
826	CECERT-LA	71.76	4.86	1.12
827	CECERT-LA	71.81	4.88	1.12
828	CECERT-LA	71.86	4.90	1.12
829	CECERT-LA	71.92	4.92	1.12
830	CECERT-LA	71.74	4.94	1.12
831	CECERT-LA	71.61	4.96	1.55
832	CECERT-LA	71.45	4.98	1.55
833	CECERT-LA	71.42	5.00	1.55
834	CECERT-LA	71.49	5.02	1.55
835	CECERT-LA	71.56	5.04	1.55
836	CECERT-LA	71.70	5.06	-0.80
837	CECERT-LA	71.86	5.08	-0.80
838	CECERT-LA	71.97	5.10	-0.80
839	CECERT-LA	72.19	5.12	-0.80
840	CECERT-LA	72.41	5.14	-0.80
841	CECERT-LA	72.67	5.16	-0.21
842	CECERT-LA	72.85	5.18	-0.21
843	CECERT-LA	73.11	5.20	-0.21
844	CECERT-LA	73.34	5.22	-0.21
845	CECERT-LA	73.60	5.24	-0.21
846	CECERT-LA	73.90	5.26	1.35
847	CECERT-LA	74.14	5.28	1.35
848	CECERT-LA	74.38	5.30	1.35
849	CECERT-LA	74.76	5.32	1.35
850	CECERT-LA	74.78	5.34	1.35
851	CECERT-LA	74.69	5.36	-0.30
852	CECERT-LA	74.63	5.38	-0.30
853	CECERT-LA	74.51	5.40	-0.30
854	CECERT-LA	74.32	5.42	-0.30
855	CECERT-LA	74.15	5.44	-0.30
856	CECERT-LA	74.03	5.46	-0.04
857	CECERT-LA	73.79	5.48	-0.04
858	CECERT-LA	73.89	5.50	-0.04

time (s)	route	speed (mph)	distance (mi)	grade (%)
859	CECERT-LA	72.34	5.52	-0.04
860				

time (s)	route	speed (mph)	distance (mi)	grade (%)
937	CECERT-LA	68.68	7.02	2.41
938	CECERT-LA	68.60	7.04	2.41
939	CECERT-LA	69.17	7.06	1.71
940	CECERT-LA	69.79	7.08	1.71
941	CECERT-LA	70.54	7.10	1.71
942	CECERT-LA	71.03	7.12	1.71
943	CECERT-LA	71.41	7.14	1.71
944	CECERT-LA	71.71	7.16	0.91
945	CECERT-LA	71.70	7.18	0.91
946	CECERT-LA	71.66	7.20	0.91
947	CECERT-LA	71.70	7.22	0.91
948	CECERT-LA	71.78	7.24	0.91
949	CECERT-LA	71.66	7.25	-0.36
950	CECERT-LA	71.14	7.27	-0.36
951	CECERT-LA	70.38	7.29	-0.36
952	CECERT-LA	69.41	7.31	-0.36
953	CECERT-LA	69.40	7.33	-0.36
954	CECERT-LA	69.92	7.35	-1.92
955	CECERT-LA	70.51	7.37	-1.92
956	CECERT-LA	71.19	7.39	-1.92
957	CECERT-LA	72.04	7.41	-1.92
958	CECERT-LA	72.47	7.43	-1.92
959	CECERT-LA	72.93	7.45	-2.79
960	CECERT-LA	72.72	7.47	-2.79
961	CECERT-LA	72.06	7.49	-2.79
962	CECERT-LA	71.31	7.51	-2.79
963	CECERT-LA	70.95	7.53	-2.79
964	CECERT-LA	71.10	7.55	-2.79
965	CECERT-LA	70.70	7.57	-2.11
966	CECERT-LA	70.66	7.59	0.61
967	CECERT-LA	71.13	7.61	0.61
968	CECERT-LA	72.08	7.63	0.61
969	CECERT-LA	72.61	7.65	0.61
970	CECERT-LA	73.40	7.67	0.04
971	CECERT-LA	73.88	7.69	0.04
972	CECERT-LA	74.17	7.71	0.04
973	CECERT-LA	74.27	7.73	0.04
974	CECERT-LA	74.52	7.75	0.04
975	CECERT-LA	74.72	7.77	-0.87
976	CECERT-LA	74.75	7.79	-0.87
977	CECERT-LA	74.09	7.81	-0.87
978	CECERT-LA	74.10	7.83	-0.87
979	CECERT-LA	74.65	7.85	-1.83
980	CECERT-LA	75.08	7.87	-1.83
981	CECERT-LA	75.65	7.89	-1.83
982	CECERT-LA	76.01	7.91	-1.83
983	CECERT-LA	76.15	7.93	-1.83
984	CECERT-LA	76.10	7.95	-1.62
985	CECERT-LA	76.39	7.98	-2.62
986	CECERT-LA	76.62	8.00	-2.62
987	CECERT-LA	76.87	8.02	-2.62
988	CECERT-LA	77.15	8.04	-2.62
989	CECERT-LA	77.09	8.06	-2.08
990	CECERT-LA	76.65	8.08	-2.08
991	CECERT-LA	75.75	8.10	-2.08
992	CECERT-LA	75.52	8.12	-2.08
993	CECERT-LA	75.74	8.14	-2.08
994	CECERT-LA	75.58	8.17	-2.10
995	CECERT-LA	75.22	8.19	-2.10
996	CECERT-LA	74.95	8.21	-2.10
997	CECERT-LA	74.65	8.23	-2.10
998	CECERT-LA	74.65	8.25	-2.10
999	CECERT-LA	74.64	8.27	-2.58
1000	CECERT-LA	74.88	8.29	-2.58
1001	CECERT-LA	75.32	8.31	-2.58
1002	CECERT-LA	75.58	8.33	-2.58
1003	CECERT-LA	75.98	8.35	0.12
1004	CECERT-LA	76.04	8.37	0.12
1005	CECERT-LA	75.62	8.39	0.12
1006	CECERT-LA	75.07	8.41	0.12
1007	CECERT-LA	74.19	8.43	0.12
1008	CECERT-LA	73.51	8.45	0.50
1009	CECERT-LA	73.67	8.47	0.50
1010	CECERT-LA	73.71	8.49	0.50
1011	CECERT-LA	73.81	8.51	0.50
1012	CECERT-LA	73.37	8.53	0.50
1013	CECERT-LA	72.09	8.55	1.47
1014	CECERT-LA	71.34	8.57	1.47

time (s)	route	speed (mph)	distance (mi)	grade (%)
1093	CECERT-LA	72.02	10.17	0.68
1094	CECERT-LA	72.14	10.19	0.68
1095	CECERT-LA	72.27	10.21	0.68
1096	CECERT-LA	71.66	10.23	0.68
1097	CECERT-LA	71.15	10.25	0.68
1098	CECERT-LA	71.09	10.27	0.57
1099	CECERT-LA	70.82	10.29	0.57
1100	CECERT-LA	70.72	10.30	0.57
1101	CECERT-LA	70.79	10.32	0.57
1102	CECERT-LA	70.80	10.34	0.57
1103	CECERT-LA	70.36	10.36	0.74
1104	CECERT-LA	69.92	10.38	0.74
1105	CECERT-LA	69.42	10.40	0.74
1106	CECERT-LA	68.79	10.42	0.74
1107	CECERT-LA	67.83	10.44	0.74
1108	CECERT-LA	66.87	10.46	0.68
1109	CECERT-LA	65.94	10.48	0.68
1110	CECERT-LA	65.01	10.49	0.68
1111	CECERT-LA	64.13	10.51	0.68
1112	CECERT-LA	63.40	10.53	0.68
1113	CECERT-LA	63.52	10.55	0.68
1114	CECERT-LA	63.37	10.56	0.62
1115	CECERT-LA	63.35	10.58	0.62
1116	CECERT-LA	63.14	10.60	0.62
1117	CECERT-LA	64.33	10.62	0.62
1118	CECERT-LA	64.93	10.63	0.62
1119	CECERT-LA	65.43	10.65	-0.04
1120	CECERT-LA	65.88	10.67	-0.04
1121	CECERT-LA	65.91	10.69	-0.04
1122	CECERT-LA	65.79	10.71	-0.04
1123	CECERT-LA	65.80	10.72	-0.04
1124	CECERT-LA	66.26	10.74	-0.04
1125	CECERT-LA	66.46	10.76	0.47
1126	CECERT-LA	66.61	10.78	0.47
1127	CECERT-LA	66.76	10.80	0.47
1128	CECERT-LA	67.18	10.82	0.47
1129	CECERT-LA	67.62	10.83	0.47
1130	CECERT-LA	68.24	10.85	-1.28
1131	CECERT-LA	68.75	10.87	-1.28
1132	CECERT-LA	69.25	10.89	-1.28
1133	CECERT-LA	69.77	10.91	-1.28
1134	CECERT-LA	70.08	10.93	-1.28
1135	CECERT-LA	70.40	10.95	-1.28
1136	CECERT-LA	70.74	10.97	-0.44
1137	CECERT-LA	71.07	10.99	-0.44
1138	CECERT-LA	71.50	11.01	-0.44
1139	CECERT-LA	71.98	11.03	-0.44
1140	CECERT-LA	72.39	11.05	-0.44
1141	CECERT-LA	72.38	11.07	-0.06
1142	CECERT-LA	72.20	11.09	-0.06
1143	CECERT-LA	72.12	11.11	-0.06
1144	CECERT-LA	71.60	11.13	-0.06
1145	CECERT-LA	70.61	11.15	-0.06
1146	CECERT-LA	70.08	11.17	0.27
1147	CECERT-LA	70.31	11.18	0.27
1148	CECERT-LA	70.70	11.20	0.27
1149	CECERT-LA	71.06	11.22	0.27
1150	CECERT-LA	71.45	11.24	0.27
1151	CECERT-LA	71.85	11.26	0.49
1152	CECERT-LA	72.21	11.28	0.49
1153	CECERT-LA	72.45	11.30	0.49
1154	CECERT-LA	72.94	11.32	0.49
1155	CECERT-LA	73.27	11.34	0.49
1156	CECERT-LA	73.39	11.36	0.49
1157	CECERT-LA	73.16	11.38	0.49
1158	CECERT-LA	73.27	11.40	0.49
1159	CECERT-LA	73.48	11.42	0.49
1160	CECERT-LA	73.53	11.44	0.49
1161	CECERT-LA	73.66	11.46	0.30
1162	CECERT-LA	73.80	11.48	0.30
1163	CECERT-LA	74.02	11.50	0.30
1164	CECERT-LA	74.24	11.53	0.30
1165	CECERT-LA	74.46	11.55	0.30
1166	CECERT-LA	74.64	11.57	0.22
1167	CECERT-LA	74.85	11.59	0.22
1168	CECERT-LA	74.99	11.61	0.22
1169	CECERT-LA	75.28	11.63	0.22
1170	CECERT-LA	75.40	11.65	0.22

time (s)	route	speed (mph)	distance (mi)	grade (%)
1015	CECERT-LA	71.43	8.59	1.47
1016	CECERT-LA	71.52	8.61	1.47
1017	CECERT-LA	71.66	8.63	1.47
1018	CECERT-LA	71.77	8.65	0.92
1019	CECERT-LA	72.01	8.67	0.92
1020	CECERT-LA	72.32	8.69	0.92
1021	CECERT-LA	72.52	8.71	0.92
1022	CECERT-LA	72.54	8.73	0.92
1023	CECERT-LA	72.21	8.75	0.37
1024	CECERT-LA	71.15	8.77	0.37
1025	CECERT-LA	70.21	8.79	0.37
1026	CECERT-LA	70.37	8.81	0.37
1027	CECERT-LA	70.64	8.83	0.37
1028	CECERT-LA	70.83	8.85	0.37
1029	CECERT-LA	70.59	8.87	-0.06
1030	CECERT-LA	70.47	8.89	-0.06
1031	CECERT-LA	70.75	8.91	-0.06
1032	CECERT-LA	71.22	8.93	-0.06
1033	CECERT-LA	71.72	8.95	-0.06
1034	CECERT-LA	72.13	8.97	-0.32
1035	CECERT-LA	72.30	8.99	-0.32
1036	CECERT-LA	72.48	9.01	-0.32
1037	CECERT-LA	72.62	9.03	-0.32
1038	CECERT-LA	72.96	9.05	-0.32
1039	CECERT-LA	73.42	9.07	-2.11
1040	CECERT-LA	73.83	9.09	-2.11
1041	CECERT-LA	74.30	9.11	-2.11
1042	CECERT-LA	74.63	9.13	-2.11
1043	CECERT-LA	75.06	9.15	-2.11
1044	CECERT-LA	75.31	9.17	-2.34
1045	CECERT-LA	75.52	9.19	-2.34
1046	CECERT-LA	75.56	9.21	-2.34
1047	CECERT-LA	74.98	9.23	-2.34
1048	CECERT-LA	74.48	9.25	-1.13
1049	CECERT-LA	73.87	9.27	-1.13
1050	CECERT-LA	73.45	9.29	-1.13
1051	CECERT-LA	73.47	9.31	-1.13
1052	CECERT-LA	73.41	9.33	-1.13
1053	CECERT-LA	73.75	9.35	-2.68
1054	CECERT-LA	73.98	9.37	-2.68
1055	CECERT-LA	73.51	9.39	-2.68
1056	CECERT-LA	72.90	9.41	-2.68
1057	CECERT-LA	72.55	9.43	-2.68
1058	CECERT-LA	72.11	9.45	-2.21
1059	CECERT-LA	72.19	9.47	-2.21
1060	CECERT-LA	72.81	9.49	-2.21
1061	CECERT-LA	73.42	9.51	-2.21
1062	CECERT-LA	74.08	9.53	-2.21
1063	CECERT-LA	74.56	9.55	-2.41
1064	CECERT-LA	74.90	9.57	-2.41
1065	CECERT-LA	75.07	9.60	-2.41
1066	CECERT-LA	75.13	9.62	-2.41
1067	CECERT-LA	75.20	9.64	-2.41
1068	CECERT-LA	74.99	9.66	-3.05
1069	CECERT-LA	74.26	9.68	-3.05
1070	CECERT-LA	74.51	9.70	-3.05
1071	CECERT-LA	74.95	9.72	-3.05
1072	CECERT-LA	75.32	9.74	-3.05
1073	CECERT-LA	75.74	9.76	-2.43
1074	CECERT-LA	76.08	9.78	-2.43
1075	CECERT-LA	76.26	9.80	-2.43
1076	CECERT-LA	76.37	9.82	-2.43
1077	CECERT-LA	76.43	9.84	-2.43
1078	CECERT-LA	76.41	9.87	-1.33
1079	CECERT-LA	76.31	9.89	-1.33
1080	CECERT-LA	76.10	9.91	-1.33
1081	CECERT-LA	75.97	9.93	-1.33
1082	CECERT-LA	75.96	9.95	-1.33
1083	CECERT-LA	74.68	9.97	-0.55
1084	CECERT-LA	73.31	9.99	-0.55
1085	CECERT-LA	72.26	10.01	-0.55
1086	CECERT-LA	71.70	10.03	-0.55
1087	CECERT-LA	71.74	10.05	-0.55
1088	CECERT-LA	71.82	10.07	0.55
1089	CECERT-LA	71.79	10.09	0.55
1090	CECERT-LA	71.74	10.11	0.55
1091				

time (s)	route	speed (mph)	distance (mi)	grade (%)
1249	CECERT-LA	74.69	13.24	-0.75
1250	CECERT-LA	74.88	13.26	-0.66
1251	CECERT-LA	74.89	13.28	-0.66
1252	CECERT-LA	74.03	13.30	-0.66
1253	CECERT-LA	73.20	13.32	-0.66
1254	CECERT-LA	72.43	13.34	-0.66
1255	CECERT-LA	72.13	13.36	-0.43
1256	CECERT-LA	72.38	13.38	-0.43
1257	CECERT-LA	72.57	13.40	-0.43
1258	CECERT-LA	72.57	13.42	-0.43
1259	CECERT-LA	72.39	13.44	-0.43
1260	CECERT-LA	71.91	13.46	-0.10
1261	CECERT-LA	71.47	13.48	-0.10
1262	CECERT-LA	71.38	13.50	-0.10
1263	CECERT-LA	71.48	13.52	-0.10
1264	CECERT-LA	71.59	13.54	-0.10
1265	CECERT-LA	71.41	13.56	1.50
1266	CECERT-LA	71.22	13.58	1.50
1267	CECERT-LA	70.98	13.60	1.50
1268	CECERT-LA	69.73	13.62	1.50
1269	CECERT-LA	68.60	13.64	1.50
1270	CECERT-LA	67.02	13.65	1.88
1271	CECERT-LA	65.62	13.67	1.88
1272	CECERT-LA	64.47	13.69	1.88
1273	CECERT-LA	64.40	13.71	1.88
1274	CECERT-LA	64.88	13.72	1.88
1275	CECERT-LA	65.73	13.74	1.88
1276	CECERT-LA	66.63	13.76	1.03
1277	CECERT-LA	67.29	13.78	1.03
1278	CECERT-LA	67.99	13.80	1.03
1279	CECERT-LA	68.54	13.82	1.03
1280	CECERT-LA	69.07	13.84	1.03
1281	CECERT-LA	69.45	13.86	0.27
1282	CECERT-LA	69.49	13.87	0.27
1283	CECERT-LA	69.17	13.89	0.27
1284	CECERT-LA	70.36	13.91	0.27
1285	CECERT-LA	69.54	13.93	0.27
1286	CECERT-LA	68.59	13.95	-0.94
1287	CECERT-LA	67.84	13.97	-0.94
1288	CECERT-LA	67.90	13.99	-0.94
1289	CECERT-LA	67.75	14.01	-0.94
1290	CECERT-LA	67.22	14.03	-0.94
1291	CECERT-LA	66.54	14.04	-0.94
1292	CECERT-LA	66.63	14.06	-0.81
1293	CECERT-LA	67.17	14.08	-0.81
1294	CECERT-LA	68.18	14.10	-0.81
1295	CECERT-LA	69.10	14.12	-0.81
1296	CECERT-LA	69.68	14.14	-0.81
1297	CECERT-LA	69.93	14.16	0.20
1298	CECERT-LA	70.11	14.18	0.20
1299	CECERT-LA	69.95	14.19	0.20
1300	CECERT-LA	69.68	14.21	0.20
1301	CECERT-LA	69.33	14.23	0.20
1302	CECERT-LA	68.58	14.25	0.42
1303	CECERT-LA	67.53	14.27	0.42
1304	CECERT-LA	67.40	14.29	0.42
1305	CECERT-LA	67.82	14.31	0.42
1306	CECERT-LA	68.21	14.33	0.42
1307	CECERT-LA	68.61	14.35	0.42
1308	CECERT-LA	69.06	14.36	0.41
1309	CECERT-LA	69.42	14.38	0.41
1310	CECERT-LA	68.67	14.40	0.41
1311	CECERT-LA	67.59	14.42	0.41
1312	CECERT-LA	66.63	14.44	0.41
1313	CECERT-LA	65.74	14.46	0.36
1314	CECERT-LA	65.73	14.48	0.36
1315	CECERT-LA	66.04	14.49	0.36
1316	CECERT-LA	66.23	14.51	0.36
1317	CECERT-LA	66.40	14.53	0.36
1318	CECERT-LA	66.52	14.55	0.36
1319	CECERT-LA	66.58	14.57	0.15
1320	CECERT-LA	66.35	14.58	0.15
1321	CECERT-LA	66.09	14.60	0.15
1322	CECERT-LA	66.20	14.62	0.15
1323	CECERT-LA	66.78	14.64	0.15
1324	CECERT-LA	67.56	14.66	0.37
1325	CECERT-LA	68.40	14.68	0.37
1326	CECERT-LA	69.03	14.70	0.37

time (s)	route	speed (mph)	distance (mi)	grade (%)
1405	CECERT-LA	64.01	16.11	0.32
1406	CECERT-LA	64.39	16.13	0.32
1407	CECERT-LA	64.70	16.15	0.32
1408	CECERT-LA	65.10	16.17	-0.15
1409	CECERT-LA	65.45	16.18	-0.15
1410	CECERT-LA	65.80	16.20	-0.15
1411	CECERT-LA	66.12	16.22	-0.15
1412	CECERT-LA	66.59	16.24	-0.15
1413	CECERT-LA	67.07	16.26	-1.32
1414	CECERT-LA	67.53	16.28	-1.32
1415	CECERT-LA	68.08	16.29	-1.32
1416	CECERT-LA	68.56	16.31	-1.32
1417	CECERT-LA	69.01	16.33	-1.32
1418	CECERT-LA	69.39	16.35	1.65
1419	CECERT-LA	69.21	16.37	1.65
1420	CECERT-LA	68.12	16.39	1.65
1421	CECERT-LA	67.41	16.41	1.65
1422	CECERT-LA	67.43	16.43	1.65
1423	CECERT-LA	67.52	16.44	1.65
1424	CECERT-LA	67.42	16.46	-0.21
1425	CECERT-LA	66.35	16.48	-0.21
1426	CECERT-LA	65.38	16.50	-0.21
1427	CECERT-LA	64.24	16.52	-0.21
1428	CECERT-LA	62.55	16.53	-0.21
1429	CECERT-LA	60.61	16.55	-0.29
1430	CECERT-LA	58.90	16.57	-0.29
1431	CECERT-LA	58.13	16.58	-0.29
1432	CECERT-LA	58.59	16.60	-0.29
1433	CECERT-LA	59.30	16.62	-0.29
1434	CECERT-LA	60.22	16.63	-0.29
1435	CECERT-LA	61.34	16.65	0.29
1436	CECERT-LA	62.00	16.67	-0.15
1437	CECERT-LA	62.93	16.68	-0.15
1438	CECERT-LA	63.79	16.70	-0.15
1439	CECERT-LA	64.65	16.72	-0.15
1440	CECERT-LA	65.45	16.74	-0.15
1441	CECERT-LA	65.69	16.75	0.06
1442	CECERT-LA	64.70	16.77	0.06
1443	CECERT-LA	64.07	16.79	0.06
1444	CECERT-LA	64.37	16.81	0.06
1445	CECERT-LA	64.79	16.83	0.06
1446	CECERT-LA	65.25	16.84	0.06
1447	CECERT-LA	65.73	16.86	-1.03
1448	CECERT-LA	66.17	16.88	-1.03
1449	CECERT-LA	66.69	16.90	-1.03
1450	CECERT-LA	67.09	16.92	-1.03
1451	CECERT-LA	66.68	16.93	-1.03
1452	CECERT-LA	65.75	16.95	0.03
1453	CECERT-LA	64.88	16.97	0.03
1454	CECERT-LA	65.01	16.99	0.03
1455	CECERT-LA	64.76	17.01	0.03
1456	CECERT-LA	63.84	17.02	0.03
1457	CECERT-LA	63.66	17.04	0.03
1458	CECERT-LA	64.38	17.06	0.00
1459	CECERT-LA	64.76	17.08	0.00
1460	CECERT-LA	65.37	17.09	0.00
1461	CECERT-LA	65.99	17.11	0.00
1462	CECERT-LA	66.62	17.13	0.00
1463	CECERT-LA	67.20	17.15	0.00
1464	CECERT-LA	67.69	17.17	-0.45
1465	CECERT-LA	67.73	17.19	-0.45
1466	CECERT-LA	66.77	17.21	-0.45
1467	CECERT-LA	66.24	17.22	-0.45
1468	CECERT-LA	66.62	17.24	-0.45
1469	CECERT-LA	66.97	17.26	-1.12
1470	CECERT-LA	67.39	17.28	-1.12
1471	CECERT-LA	67.52	17.30	-1.12
1472	CECERT-LA	67.37	17.32	-1.12
1473	CECERT-LA	66.91	17.33	-1.12
1474	CECERT-LA	66.03	17.35	-0.03
1475	CECERT-LA	65.14	17.37	-0.03
1476	CECERT-LA	64.69	17.39	-1.03
1477	CECERT-LA	65.02	17.41	-0.03
1478	CECERT-LA	65.39	17.42	-0.03
1479	CECERT-LA	65.37	17.44	-0.03
1480	CECERT-LA	64.67	17.46	-0.15
1481	CECERT-LA	64.87	17.48	-0.15
1482	CECERT-LA	64.87	17.50	-0.15

time (s)	route	speed (mph)	distance (mi)	grade (%)
1327	CECERT-LA	69.26	14.71	0.37
1328	CECERT-LA	69.01	14.73	0.37
1329	CECERT-LA	68.49	14.75	0.48
1330	CECERT-LA	68.22	14.77	0.48
1331	CECERT-LA	67.92	14.79	0.48
1332	CECERT-LA	67.67	14.81	0.48
1333	CECERT-LA	68.01	14.83	0.48
1334	CECERT-LA	68.39	14.85	0.48
1335	CECERT-LA	68.79	14.87	0.45
1336	CECERT-LA	68.79	14.88	0.45
1337	CECERT-LA	67.79	14.90	0.45
1338	CECERT-LA	67.45	14.92	0.45
1339	CECERT-LA	67.83	14.94	0.45
1340	CECERT-LA	68.15	14.96	-0.29
1341	CECERT-LA	68.50	14.98	-0.29
1342	CECERT-LA	68.89	15.00	-0.29
1343	CECERT-LA	69.14	15.02	-0.29
1344	CECERT-LA	69.28	15.03	-0.29
1345	CECERT-LA	69.14	15.05	-0.39
1346	CECERT-LA	69.05	15.07	-0.39
1347	CECERT-LA	69.09	15.09	-0.39
1348	CECERT-LA	69.42	15.11	-0.39
1349	CECERT-LA	69.83	15.13	-0.39
1350	CECERT-LA	70.11	15.15	-0.39
1351	CECERT-LA	70.80	15.17	-0.30
1352	CECERT-LA	71.12	15.19	-0.30
1353	CECERT-LA	71.22	15.21	-0.30
1354	CECERT-LA	71.24	15.23	-0.30
1355	CECERT-LA	71.35	15.25	-0.30
1356	CECERT-LA	71.48	15.27	-0.01
1357	CECERT-LA	71.62	15.29	-0.01
1358	CECERT-LA	71.81	15.31	-0.01
1359	CECERT-LA	71.86	15.33	-0.01
1360	CECERT-LA	72.00	15.35	-0.01
1361	CECERT-LA	72.04	15.37	-0.05
1362	CECERT-LA	72.15	15.39	-0.05
1363	CECERT-LA	72.36	15.40	-0.05
1364	CECERT-LA	72.42	15.42	-0.05
1365	CECERT-LA	72.15	15.44	-0.05
1366	CECERT-LA	71.90	15.46	0.22
1367	CECERT-LA	71.19	15.48	0.22
1368	CECERT-LA	70.21	15.50	0.22
1369	CECERT-LA	70.40	15.52	0.22
1370	CECERT-LA	70.91	15.54	0.22
1371	CECERT-LA	70.92	15.56	0.12
1372	CECERT-LA	69.84	15.58	0.12
1373	CECERT-LA	68.89	15.60	0.12
1374	CECERT-LA	67.85	15.62	0.12
1375	CECERT-LA	66.51	15.64	0.12
1376	CECERT-LA	63.98	15.65	0.48
1377	CECERT-LA	60.38	15.67	0.48
1378	CECERT-LA	56.58	15.69	0.48
1379	CECERT-LA	53.90	15.70	0.48
1380	CECERT-LA	51.70	15.72	0.48
1381	CECERT-LA	50.93	15.73	0.48
1382	CECERT-LA	51.24	15.74	0.48
1383	CECERT-LA	51.79	15.76	0.54
1384	CECERT-LA	52.53	15.77	0.54
1385	CECERT-LA	53.48	15.79	0.54
1386	CECERT-LA	54.51	15.80	0.54
1387	CECERT-LA	55.33	15.82	0.54
1388	CECERT-LA	55.86	15.83	0.54
1389	CECERT-LA	56.92	15.85	0.54
1390	CECERT-LA	57.71	15.86	-1.09
1391	CECERT-LA	58.12	15.88	-1.09
1392	CECERT-LA	57.75	15.90	-1.09
1393	CECERT-LA	57.38	15.91	-1.09
1394	CECERT-LA	57.75	15.93	-1.09
1395	CECERT-LA	58.10	15.94	-1.09
1396	CECERT-LA	58.54	15.96	1.49
1397	CECERT-LA	59.22	15.98	1.49
1398	CECERT-LA	59.58	15.99	1.49
1399	CECERT-LA			

time (s)	route	speed (mph)	distance (mi)	grade (%)
1561	CECERT-LA	66.75	18.86	0.21
1562	CECERT-LA	67.07	18.88	0.21
1563	CECERT-LA	67.42	18.90	0.21
1564	CECERT-LA	67.66	18.92	0.21
1565	CECERT-LA	67.78	18.94	0.21
1566	CECERT-LA	68.20	18.95	0.70
1567	CECERT-LA	67.50	18.97	0.70
1568	CECERT-LA	66.94	18.99	0.70
1569	CECERT-LA	66.00	19.01	0.70
1570	CECERT-LA	66.15	19.03	0.70
1571	CECERT-LA	66.75	19.05	0.70
1572	CECERT-LA	67.50	19.06	0.30
1573	CECERT-LA	68.06	19.08	0.30
1574	CECERT-LA	68.44	19.10	0.30
1575	CECERT-LA	68.49	19.12	0.30
1576	CECERT-LA	67.81	19.14	0.30
1577	CECERT-LA	66.78	19.16	-1.44
1578	CECERT-LA	65.88	19.18	-1.44
1579	CECERT-LA	64.97	19.19	-1.44
1580	CECERT-LA	64.08	19.21	-1.44
1581	CECERT-LA	63.28	19.23	-1.44
1582	CECERT-LA	64.49	19.25	-1.44
1583	CECERT-LA	65.17	19.26	2.03
1584	CECERT-LA	65.92	19.28	2.03
1585	CECERT-LA	66.53	19.30	2.03
1586	CECERT-LA	66.89	19.32	2.03
1587	CECERT-LA	67.09	19.34	2.03
1588	CECERT-LA	67.12	19.36	-0.28
1589	CECERT-LA	67.47	19.37	-0.28
1590	CECERT-LA	67.92	19.39	-0.28
1591	CECERT-LA	68.17	19.41	-0.28
1592	CECERT-LA	68.83	19.43	-0.28
1593	CECERT-LA	69.36	19.45	-0.72
1594	CECERT-LA	69.81	19.47	-0.72
1595	CECERT-LA	69.36	19.49	-0.72
1596	CECERT-LA	68.46	19.51	-0.72
1597	CECERT-LA	68.05	19.53	-0.72
1598	CECERT-LA	68.28	19.54	-0.72
1599	CECERT-LA	68.68	19.56	-0.32
1600	CECERT-LA	68.15	19.58	-0.32
1601	CECERT-LA	67.20	19.60	-0.32
1602	CECERT-LA	66.29	19.62	-0.32
1603	CECERT-LA	65.63	19.64	-0.32
1604	CECERT-LA	65.86	19.66	-2.28
1605	CECERT-LA	66.19	19.67	-2.28
1606	CECERT-LA	66.26	19.69	-2.28
1607	CECERT-LA	66.12	19.71	-2.28
1608	CECERT-LA	66.16	19.73	-2.28
1609	CECERT-LA	66.45	19.75	-2.28
1610	CECERT-LA	66.69	19.76	1.55
1611	CECERT-LA	67.04	19.78	1.55
1612	CECERT-LA	67.43	19.80	1.55
1613	CECERT-LA	67.80	19.82	1.55
1614	CECERT-LA	67.96	19.84	1.55
1615	CECERT-LA	68.27	19.86	-0.03
1616	CECERT-LA	68.50	19.88	-0.03
1617	CECERT-LA	68.93	19.90	-0.03
1618	CECERT-LA	69.31	19.91	-0.03
1619	CECERT-LA	69.55	19.93	-0.03
1620	CECERT-LA	69.75	19.95	-0.01
1621	CECERT-LA	69.82	19.97	-0.01
1622	CECERT-LA	69.67	19.99	-0.01
1623	CECERT-LA	69.53	20.01	-0.01
1624	CECERT-LA	69.56	20.03	-0.01
1625	CECERT-LA	69.67	20.05	-0.01
1626	CECERT-LA	69.78	20.07	-0.19
1627	CECERT-LA	69.63	20.09	-0.19
1628	CECERT-LA	69.39	20.11	-0.19
1629	CECERT-LA	69.17	20.13	-0.19
1630	CECERT-LA	69.18	20.14	-0.19
1631	CECERT-LA	68.78	20.16	1.83
1632	CECERT-LA	68.13	20.18	1.83
1633	CECERT-LA	67.51	20.20	1.83
1634	CECERT-LA	66.65	20.22	1.83
1635	CECERT-LA	65.79	20.24	1.83
1636	CECERT-LA	65.14	20.25	0.29
1637	CECERT-LA	65.29	20.27	0.29
1638	CECERT-LA	65.76	20.29	0.29

time (s)	route	speed (mph)	distance (mi)	grade (%)
1717	CECERT-LA	76.31	21.83	0.14
1718	CECERT-LA	76.33	21.85	-0.11
1719	CECERT-LA	76.54	21.88	-0.11
1720	CECERT-LA	76.66	21.90	-0.11
1721	CECERT-LA	76.79	21.92	-0.11
1722	CECERT-LA	76.91	21.94	-0.11
1723	CECERT-LA	76.97	21.96	-0.34
1724	CECERT-LA	77.06	21.98	-0.34
1725	CECERT-LA	77.30	22.00	-0.34
1726	CECERT-LA	77.46	22.02	-0.34
1727	CECERT-LA	77.61	22.05	-0.34
1728	CECERT-LA	77.61	22.07	-0.34
1729	CECERT-LA	77.40	22.09	-0.34
1730	CECERT-LA	77.11	22.11	-0.34
1731	CECERT-LA	77.08	22.13	-0.34
1732	CECERT-LA	76.91	22.15	-0.82
1733	CECERT-LA	76.72	22.17	-0.82
1734	CECERT-LA	76.61	22.19	-0.82
1735	CECERT-LA	76.31	22.21	-0.82
1736	CECERT-LA	75.33	22.24	-0.82
1737	CECERT-LA	74.49	22.26	-0.89
1738	CECERT-LA	73.62	22.28	-0.89
1739	CECERT-LA	72.67	22.30	-0.89
1740	CECERT-LA	71.57	22.32	-0.89
1741	CECERT-LA	71.01	22.34	-0.89
1742	CECERT-LA	71.07	22.35	0.67
1743	CECERT-LA	71.21	22.37	0.67
1744	CECERT-LA	71.41	22.39	0.67
1745	CECERT-LA	71.45	22.41	0.67
1746	CECERT-LA	71.52	22.43	0.67
1747	CECERT-LA	71.55	22.45	-0.93
1748	CECERT-LA	71.75	22.47	-0.93
1749	CECERT-LA	71.88	22.49	-0.93
1750	CECERT-LA	72.19	22.51	-0.89
1751	CECERT-LA	72.31	22.53	-0.93
1752	CECERT-LA	71.68	22.55	-0.82
1753	CECERT-LA	70.66	22.57	-0.82
1754	CECERT-LA	69.84	22.59	-0.82
1755	CECERT-LA	69.08	22.61	-0.82
1756	CECERT-LA	69.06	22.63	-0.82
1757	CECERT-LA	69.18	22.65	-0.82
1758	CECERT-LA	69.29	22.67	-0.37
1759	CECERT-LA	69.58	22.69	-0.37
1760	CECERT-LA	69.63	22.70	-0.37
1761	CECERT-LA	69.39	22.72	-0.37
1762	CECERT-LA	69.31	22.74	-0.37
1763	CECERT-LA	69.57	22.76	0.04
1764	CECERT-LA	69.17	22.78	0.04
1765	CECERT-LA	68.17	22.80	0.04
1766	CECERT-LA	66.56	22.82	0.04
1767	CECERT-LA	64.86	22.84	0.04
1768	CECERT-LA	63.47	22.85	-0.31
1769	CECERT-LA	63.10	22.87	-0.31
1770	CECERT-LA	63.51	22.89	-0.31
1771	CECERT-LA	64.10	22.91	-0.31
1772	CECERT-LA	64.60	22.92	-0.31
1773	CECERT-LA	65.06	22.94	-0.31
1774	CECERT-LA	65.06	22.96	0.23
1775	CECERT-LA	64.15	22.98	0.23
1776	CECERT-LA	63.27	22.99	0.23
1777	CECERT-LA	62.15	23.01	0.23
1778	CECERT-LA	60.72	23.03	0.23
1779	CECERT-LA	59.25	23.04	0.23
1780	CECERT-LA	58.53	23.06	0.47
1781	CECERT-LA	58.56	23.08	0.47
1782	CECERT-LA	59.02	23.09	0.47
1783	CECERT-LA	59.54	23.11	0.47
1784	CECERT-LA	60.44	23.13	0.47
1785	CECERT-LA	60.97	23.14	0.47
1786	CECERT-LA	61.34	23.16	1.14
1787	CECERT-LA	61.89	23.18	1.14
1788	CECERT-LA	62.28	23.19	1.14
1789	CECERT-LA	62.69	23.21	1.14
1790	CECERT-LA	62.79	23.23	1.14
1791	CECERT-LA	63.06	23.25	1.14
1792	CECERT-LA	63.32	23.26	0.97
1793	CECERT-LA	63.44	23.28	0.97
1794	CECERT-LA	63.61	23.30	0.97

time (s)	route	speed (mph)	distance (mi)	grade (%)
1639	CECERT-LA	66.27	20.31	0.29
1640	CECERT-LA	66.84	20.33	0.29
1641	CECERT-LA	67.15	20.35	0.29
1642	CECERT-LA	67.44	20.36	-1.23
1643	CECERT-LA	67.91	20.38	-1.23
1644	CECERT-LA	68.18	20.40	-1.23
1645	CECERT-LA	68.30	20.42	-1.23
1646	CECERT-LA	68.51	20.44	-1.23
1647	CECERT-LA	68.52	20.46	-1.32
1648	CECERT-LA	68.88	20.48	-1.32
1649	CECERT-LA	68.59	20.50	-1.32
1650	CECERT-LA	68.17	20.51	-1.32
1651	CECERT-LA	68.64	20.53	-1.32
1652	CECERT-LA	68.84	20.55	-1.32
1653	CECERT-LA	68.79	20.57	-1.32
1654	CECERT-LA	68.87	20.59	-1.32
1655	CECERT-LA	69.17	20.61	-1.32
1656	CECERT-LA	69.68	20.63	-1.32
1657	CECERT-LA	70.26	20.65	-1.32
1658	CECERT-LA	70.90	20.67	-1.52
1659	CECERT-LA	71.56	20.69	-1.52
1660	CECERT-LA	71.81	20.71	-1.52
1661	CECERT-LA	71.83	20.73	-1.52
1662	CECERT-LA	71.78	20.75	-1.52
1663	CECERT-LA	72.04	20.77	-1.54
1664	CECERT-LA	72.49	20.79	-1.54
1665	CECERT-LA	72.78	20.81	-1.54
1666	CECERT-LA	72.87	20.83	-1.54
1667	CECERT-LA	72.64	20.85	-1.54
1668	CECERT-LA	72.06	20.87	-0.90
1669	CECERT-LA	71.49	20.89	-0.90
1670	CECERT-LA	71.41	20.90	-0.90
1671	CECERT-LA	71.51	20.92	-0.90
1672	CECERT-LA	71.33	20.94	-0.90
1673	CECERT-LA	71.56	20.96	-0.35
1674	CECERT-LA	71.67	20.98	-0.35
1675	CECERT-LA	71.86	21.00	-0.35
1676	CECERT-LA	71.93	21.02	-0.35
1677	CECERT-LA	72.03	21.04	-0.35
1678	CECERT-LA	72.20	21.06	-0.29
1679	CECERT-LA	72.36	21.08	-0.29
1680	CECERT-LA	72.50	21.10	-0.29
1681	CECERT-LA	72.56	21.12	-0.29
1682	CECERT-LA	72.20	21.14	-0.29
1683	CECERT-LA	71.80	21.16	-0.75
1684	CECERT-LA	71.39	21.18	-0.75
1685	CECERT-LA	70.57	21.20	-0.75
1686	CECERT-LA	70.12	21.22	-0.75
1687	CECERT-LA	70.14	21.24	-0.75
1688	CECERT-LA	70.11	21.26	-0.84
1689	CECERT-LA	70.13	21.28	-0.84
1690	CECERT-LA	70.17	21.30	-0.84
1691	CECERT-LA	70.07	21.32	-0.84
1692	CECERT-LA	69.51	21.34	-0.84
1693	CECERT-LA	68.58	21.36	-0.35
1694	CECERT-LA	68.38	21.37	0.52
1695	CECERT-LA	68.65	21.39	0.52
1696	CECERT-LA	68.97	21.41	0.52
1697	CECERT-LA	69.29	21.43	0.52
1698	CECERT-LA	69.61	21.45	0.52
1699	CECERT-LA	70.07	21.47	-0.44
1700	CECERT-LA	70.57	21.49	-0.44
1701	CECERT-LA	71.02	21.51	-0.44
1702	CECERT-LA	71.34	21.53	-0.44
1703	CECERT-LA	71.77	21.55	-0.44
1704	CECERT-LA	72.12	21.57	-1.06
1705	CECERT-LA	72.64	21.59	-1.06
1706	CECERT-LA	73.11	21.61	-1.06
1707	CECERT-LA	73.61	21.63	-0.06
1708	CECERT-LA	73.84	21.65	-1.06
1709	CECERT-LA	74.17	21.67	0.24
1710	CECERT-LA	74.51	21.69	0.24
1711				

time (s)	route	speed (mph)	distance (mi)	grade (%)
1873	CECERT-LA	72.11	24.82	0.63
1874	CECERT-LA	72.24	24.84	0.63
1875	CECERT-LA	72.39	24.86	-2.28
1876	CECERT-LA	72.44	24.88	-2.28
1877	CECERT-LA	72.04	24.90	-2.28
1878	CECERT-LA	71.02	24.92	-2.28
1879	CECERT-LA	71.19	24.94	-2.28
1880	CECERT-LA	71.13	24.96	4.63
1881	CECERT-LA	71.13	24.98	4.63
1882	CECERT-LA	70.93	25.00	4.63
1883	CECERT-LA	71.10	25.01	4.63
1884	CECERT-LA	71.35	25.03	4.63
1885	CECERT-LA	71.68	25.05	3.17
1886	CECERT-LA	71.96	25.07	3.17
1887	CECERT-LA	72.15	25.09	3.17
1888	CECERT-LA	72.30	25.11	3.17
1889	CECERT-LA	71.85	25.13	3.17
1890	CECERT-LA	70.33	25.15	3.16
1891	CECERT-LA	67.91	25.17	3.16
1892	CECERT-LA	64.69	25.19	3.16
1893	CECERT-LA	61.68	25.21	3.16
1894	CECERT-LA	60.51	25.22	3.16
1895	CECERT-LA	59.63	25.24	3.16
1896	CECERT-LA	58.25	25.25	2.81
1897	CECERT-LA	57.54	25.27	2.81
1898	CECERT-LA	56.88	25.29	2.81
1899	CECERT-LA	57.17	25.30	2.81
1900	CECERT-LA	57.33	25.32	2.81
1901	CECERT-LA	57.50	25.33	2.81
1902	CECERT-LA	57.80	25.35	2.81
1903	CECERT-LA	58.21	25.37	2.95
1904	CECERT-LA	58.38	25.38	2.95
1905	CECERT-LA	58.50	25.40	2.95
1906	CECERT-LA	58.39	25.41	2.95
1907	CECERT-LA	58.24	25.43	2.95
1908	CECERT-LA	57.90	25.45	2.95
1909	CECERT-LA	57.69	25.46	2.01
1910	CECERT-LA	57.85	25.48	2.01
1911	CECERT-LA	58.19	25.49	2.01
1912	CECERT-LA	58.30	25.51	2.01
1913	CECERT-LA	58.29	25.53	2.01
1914	CECERT-LA	58.28	25.54	2.01
1915	CECERT-LA	58.13	25.56	1.07
1916	CECERT-LA	57.17	25.57	1.07
1917	CECERT-LA	55.92	25.59	1.07
1918	CECERT-LA	53.93	25.60	1.07
1919	CECERT-LA	52.56	25.62	1.07
1920	CECERT-LA	51.60	25.63	1.07
1921	CECERT-LA	50.38	25.65	1.07
1922	CECERT-LA	50.25	25.66	-0.47
1923	CECERT-LA	50.62	25.67	-0.47
1924	CECERT-LA	51.40	25.69	-0.47
1925	CECERT-LA	51.49	25.70	-0.47
1926	CECERT-LA	50.18	25.72	-0.47
1927	CECERT-LA	48.13	25.73	-0.47
1928	CECERT-LA	45.57	25.74	-0.47
1929	CECERT-LA	41.14	25.75	-1.60
1930	CECERT-LA	34.98	25.76	-1.60
1931	CECERT-LA	29.51	25.77	-1.60
1932	CECERT-LA	25.14	25.78	-1.60
1933	CECERT-LA	21.16	25.78	-1.60
1934	CECERT-LA	17.17	25.79	-1.60
1935	CECERT-LA	13.49	25.79	-1.60
1936	CECERT-LA	11.32	25.79	-1.60
1937	CECERT-LA	10.32	25.80	-1.60
1938	CECERT-LA	10.39	25.80	-1.60
1939	CECERT-LA	10.76	25.80	-1.60
1940	CECERT-LA	11.11	25.81	-1.60
1941	CECERT-LA	11.43	25.81	-1.60
1942	CECERT-LA	11.30	25.81	-1.60
1943	CECERT-LA	10.65	25.82	-1.60
1944	CECERT-LA	9.89	25.82	-1.60
1945	CECERT-LA	10.12	25.82	-1.60
1946	CECERT-LA	10.87	25.82	-1.60
1947	CECERT-LA	10.82	25.83	-1.60
1948	CECERT-LA	9.05	25.83	-1.60
1949	CECERT-LA	7.56	25.83	-1.60
1950	CECERT-LA	6.33	25.83	-1.60

time (s)	route	speed (mph)	distance (mi)	grade (%)
2029	CECERT-LA	45.85	26.40	2.27
2030	CECERT-LA	46.57	26.41	2.27
2031	CECERT-LA	47.32	26.43	2.27
2032	CECERT-LA	48.19	26.44	2.27
2033	CECERT-LA	49.22	26.45	5.51
2034	CECERT-LA	50.14	26.47	5.51
2035	CECERT-LA	50.93	26.48	5.51
2036	CECERT-LA	51.63	26.50	5.51
2037	CECERT-LA	52.16	26.51	5.51
2038	CECERT-LA	52.48	26.52	5.51
2039	CECERT-LA	52.65	26.54	5.51
2040	CECERT-LA	52.80	26.55	2.16
2041	CECERT-LA	53.05	26.57	2.16
2042	CECERT-LA	53.14	26.58	2.16
2043	CECERT-LA	54.51	26.60	2.16
2044	CECERT-LA	55.26	26.61	2.16
2045	CECERT-LA	56.08	26.63	2.16
2046	CECERT-LA	56.62	26.64	2.16
2047	CECERT-LA	57.37	26.66	3.58
2048	CECERT-LA	58.10	26.68	3.58
2049	CECERT-LA	58.07	26.69	3.58
2050	CECERT-LA	57.83	26.71	3.58
2051	CECERT-LA	57.78	26.72	3.58
2052	CECERT-LA	57.94	26.74	3.58
2053	CECERT-LA	58.24	26.76	1.01
2054	CECERT-LA	58.61	26.77	1.01
2055	CECERT-LA	59.02	26.79	1.01
2056	CECERT-LA	59.28	26.80	1.01
2057	CECERT-LA	59.67	26.82	1.01
2058	CECERT-LA	60.19	26.84	1.01
2059	CECERT-LA	60.83	26.85	2.18
2060	CECERT-LA	61.16	26.87	2.18
2061	CECERT-LA	61.43	26.89	2.18
2062	CECERT-LA	62.04	26.90	2.18
2063	CECERT-LA	62.27	26.92	2.18
2064	CECERT-LA	62.80	26.94	2.18
2065	CECERT-LA	63.23	26.96	2.77
2066	CECERT-LA	63.69	26.97	2.77
2067	CECERT-LA	64.22	26.99	2.77
2068	CECERT-LA	64.82	27.01	2.77
2069	CECERT-LA	65.27	27.03	2.77
2070	CECERT-LA	65.57	27.05	2.77
2071	CECERT-LA	65.88	27.06	-1.69
2072	CECERT-LA	66.38	27.08	-1.69
2073	CECERT-LA	66.99	27.10	-1.69
2074	CECERT-LA	67.61	27.12	-1.69
2075	CECERT-LA	68.28	27.14	-1.69
2076	CECERT-LA	68.86	27.16	-1.97
2077	CECERT-LA	69.24	27.18	-1.97
2078	CECERT-LA	69.09	27.19	-1.97
2079	CECERT-LA	68.76	27.21	-1.97
2080	CECERT-LA	68.51	27.23	-1.97
2081	CECERT-LA	68.28	27.25	-3.62
2082	CECERT-LA	68.48	27.27	-3.62
2083	CECERT-LA	68.81	27.29	-3.62
2084	CECERT-LA	68.52	27.31	-3.62
2085	CECERT-LA	67.76	27.33	-3.62
2086	CECERT-LA	65.82	27.34	-3.62
2087	CECERT-LA	63.74	27.36	-4.65
2088	CECERT-LA	61.49	27.38	-4.65
2089	CECERT-LA	59.59	27.39	-4.65
2090	CECERT-LA	59.03	27.41	-4.65
2091	CECERT-LA	58.73	27.43	-4.65
2092	CECERT-LA	58.57	27.44	-4.65
2093	CECERT-LA	58.90	27.46	-4.44
2094	CECERT-LA	59.48	27.48	-2.44
2095	CECERT-LA	59.68	27.49	-2.44
2096	CECERT-LA	59.82	27.51	-2.44
2097	CECERT-LA	58.57	27.52	-2.44
2098	CECERT-LA	56.51	27.54	-2.44
2099	CECERT-LA	54.26	27.56	-2.02
2100	CECERT-LA	52.08	27.57	-2.02
2101	CECERT-LA	50.23	27.58	-2.02
2102	CECERT-LA	48.60	27.60	-2.02
2103	CECERT-LA	47.75	27.61	-2.02
2104	CECERT-LA	47.50	27.62	-2.02
2105	CECERT-LA	47.11	27.64	-2.02
2106	CECERT-LA	46.85	27.65	-2.02

time (s)	route	speed (mph)	distance (mi)	grade (%)
1951	CECERT-LA	6.09	25.83	-1.60
1952	CECERT-LA	6.22	25.84	-1.60
1953	CECERT-LA	7.28	25.84	-1.60
1954	CECERT-LA	9.59	25.84	-1.60
1955	CECERT-LA	10.18	25.84	-1.60
1956	CECERT-LA	10.15	25.85	-1.60
1957	CECERT-LA	10.11	25.85	-1.60
1958	CECERT-LA	10.31	25.85	-0.87
1959	CECERT-LA	11.78	25.86	-0.87
1960	CECERT-LA	13.47	25.86	-0.87
1961	CECERT-LA	15.37	25.86	-0.87
1962	CECERT-LA	17.18	25.87	-0.87
1963	CECERT-LA	17.63	25.87	-0.87
1964	CECERT-LA	17.01	25.88	-0.87
1965	CECERT-LA	15.54	25.88	-0.87
1966	CECERT-LA	14.34	25.89	-0.87
1967	CECERT-LA	13.88	25.89	-0.87
1968	CECERT-LA	13.89	25.89	-0.87
1969	CECERT-LA	15.49	25.90	-0.87
1970	CECERT-LA	17.55	25.90	-0.87
1971	CECERT-LA	19.69	25.91	-0.87
1972	CECERT-LA	20.83	25.91	-0.87
1973	CECERT-LA	20.86	25.92	-0.87
1974	CECERT-LA	20.47	25.93	-0.87
1975	CECERT-LA	19.58	25.93	-0.87
1976	CECERT-LA	18.13	25.94	-0.87
1977	CECERT-LA	17.05	25.94	-0.87
1978	CECERT-LA	16.72	25.94	-0.87
1979	CECERT-LA	17.54	25.95	-0.87
1980	CECERT-LA	18.78	25.95	0.85
1981	CECERT-LA	19.78	25.96	0.85
1982	CECERT-LA	20.73	25.97	0.85
1983	CECERT-LA	21.76	25.97	0.85
1984	CECERT-LA	21.69	25.98	0.85
1985	CECERT-LA	21.87	25.98	0.85
1986	CECERT-LA	22.86	25.99	0.85
1987	CECERT-LA	23.86	26.00	0.85
1988	CECERT-LA	23.77	26.00	0.85
1989	CECERT-LA	22.30	26.01	0.85
1990	CECERT-LA	20.73	26.02	0.85
1991	CECERT-LA	20.59	26.02	0.85
1992	CECERT-LA	22.26	26.03	0.85
1993	CECERT-LA	24.18	26.03	0.85
1994	CECERT-LA	26.07	26.04	0.85
1995	CECERT-LA	27.87	26.05	0.85
1996	CECERT-LA	29.73	26.06	2.67
1997	CECERT-LA	31.51	26.07	2.67
1998	CECERT-LA	33.07	26.07	2.67
1999	CECERT-LA	34.48	26.08	2.67
2000	CECERT-LA	35.66	26.09	2.67
2001	CECERT-LA	36.69	26.10	2.67
2002	CECERT-LA	37.21	26.11	2.67
2003	CECERT-LA	37.03	26.12	2.67
2004	CECERT-LA	35.85	26.13	2.67
2005	CECERT-LA	34.96	26.14	2.67
2006	CECERT-LA	35.25	26.15	2.66
2007	CECERT-LA	36.00	26.16	2.66
2008	CECERT-LA	36.66	26.17	2.66
2009	CECERT-LA	37.54	26.18	2.66
2010	CECERT-LA	38.49	26.19	2.66
2011	CECERT-LA	38.87	26.20	2.66
2012	CECERT-LA	37.57	26.22	2.66
2013	CECERT-LA	35.68	26.23	2.66
2014	CECERT-LA	34.28	26.23	2.66
2015	CECERT-LA	34.25	26.24	2.66
2016	CECERT-LA	35.18	26.25	2.32
2017	CECERT-LA	36.32	26.26	2.32
2018	CECERT-LA	37.50	26.27	2.32
2019	CECERT-LA	38.68	26.28	2.32
2020	CECERT-LA	39.51	26.30	2.32
2021	CECERT-LA	39.82	26.31	2.32
2022	CECERT-LA	40.28	26.32	2.32
2023	CECERT-LA	40.87		

time (s)	route	speed (mph)	distance (mi)	grade (%)
2185	CECERT-LA	41.93	28.24	-2.94
2186	CECERT-LA	43.13	28.26	-3.10
2187	CECERT-LA	43.65	28.27	-3.10
2188	CECERT-LA	44.52	28.28	-3.10
2189	CECERT-LA	45.45	28.29	-3.10
2190	CECERT-LA	45.98	28.30	-3.10
2191	CECERT-LA	45.93	28.32	-3.10
2192	CECERT-LA	45.61	28.33	-3.10
2193	CECERT-LA	45.18	28.34	-3.10
2194	CECERT-LA	44.34	28.35	-2.89
2195	CECERT-LA	43.92	28.37	-2.89
2196	CECERT-LA	43.57	28.38	-2.89
2197	CECERT-LA	42.38	28.39	-2.89
2198	CECERT-LA	40.55	28.40	-2.89
2199	CECERT-LA	38.64	28.41	-2.89
2200	CECERT-LA	37.18	28.42	-2.89
2201	CECERT-LA	36.97	28.43	-2.89
2202	CECERT-LA	36.67	28.44	-2.89
2203	CECERT-LA	37.21	28.45	-2.97
2204	CECERT-LA	38.17	28.46	-2.97
2205	CECERT-LA	39.18	28.47	-2.97
2206	CECERT-LA	40.19	28.48	-2.97
2207	CECERT-LA	40.32	28.50	-2.97
2208	CECERT-LA	40.00	28.51	-2.97
2209	CECERT-LA	39.33	28.52	-2.97
2210	CECERT-LA	38.43	28.53	-2.97
2211	CECERT-LA	37.36	28.54	-2.97
2212	CECERT-LA	36.28	28.55	-2.97
2213	CECERT-LA	35.82	28.56	-2.25
2214	CECERT-LA	35.94	28.57	-2.25
2215	CECERT-LA	37.05	28.58	-2.25
2216	CECERT-LA	38.14	28.59	-2.25
2217	CECERT-LA	38.73	28.60	-2.25
2218	CECERT-LA	39.93	28.61	-2.25
2219	CECERT-LA	41.02	28.62	-2.25
2220	CECERT-LA	42.22	28.63	-2.25
2221	CECERT-LA	42.31	28.65	-2.25
2222	CECERT-LA	42.55	28.66	-0.68
2223	CECERT-LA	43.51	28.67	-0.68
2224	CECERT-LA	44.02	28.68	-0.68
2225	CECERT-LA	43.25	28.69	-0.68
2226	CECERT-LA	42.34	28.70	-0.68
2227	CECERT-LA	41.94	28.72	-0.68
2228	CECERT-LA	42.43	28.73	-0.68
2229	CECERT-LA	43.01	28.74	-0.68
2230	CECERT-LA	43.83	28.75	1.92
2231	CECERT-LA	44.68	28.76	1.92
2232	CECERT-LA	45.32	28.78	1.92
2233	CECERT-LA	46.27	28.79	1.92
2234	CECERT-LA	47.05	28.80	1.92
2235	CECERT-LA	47.38	28.81	1.92
2236	CECERT-LA	46.51	28.83	1.92
2237	CECERT-LA	45.47	28.84	1.92
2238	CECERT-LA	44.67	28.85	0.94
2239	CECERT-LA	43.69	28.86	0.94
2240	CECERT-LA	42.29	28.88	0.94
2241	CECERT-LA	40.72	28.89	0.94
2242	CECERT-LA	39.62	28.90	0.94
2243	CECERT-LA	38.75	28.91	0.94
2244	CECERT-LA	38.28	28.92	0.94
2245	CECERT-LA	39.06	28.93	0.94
2246	CECERT-LA	40.01	28.94	0.94
2247	CECERT-LA	41.19	28.95	-2.00
2248	CECERT-LA	42.17	28.96	-2.00
2249	CECERT-LA	41.75	28.98	-2.00
2250	CECERT-LA	41.85	28.99	-2.00
2251	CECERT-LA	42.91	29.00	-2.00
2252	CECERT-LA	44.37	29.01	-2.00
2253	CECERT-LA	45.52	29.02	-2.00
2254	CECERT-LA	46.32	29.04	-2.00
2255	CECERT-LA	46.13	29.05	-2.00
2256	CECERT-LA	46.65	29.06	-1.90
2257	CECERT-LA	48.28	29.07	-1.90
2258	CECERT-LA	49.45	29.09	-1.90
2259	CECERT-LA	50.48	29.10	-1.90
2260	CECERT-LA	51.33	29.12	-1.90
2261	CECERT-LA	51.40	29.13	-1.90
2262	CECERT-LA	50.94	29.14	-1.90

time (s)	route	speed (mph)	distance (mi)	grade (%)
2341	CECERT-LA	68.60	30.45	-1.10
2342	CECERT-LA	67.89	30.47	-1.89
2343	CECERT-LA	67.94	30.49	-1.89
2344	CECERT-LA	68.54	30.51	-1.89
2345	CECERT-LA	68.88	30.52	-1.89
2346	CECERT-LA	69.19	30.54	-1.89
2347	CECERT-LA	69.70	30.56	-1.05
2348	CECERT-LA	70.15	30.58	-1.05
2349	CECERT-LA	70.49	30.60	-1.05
2350	CECERT-LA	70.11	30.62	-1.05
2351	CECERT-LA	70.11	30.64	-1.05
2352	CECERT-LA	70.50	30.66	-1.96
2353	CECERT-LA	69.92	30.68	-1.96
2354	CECERT-LA	69.46	30.70	-1.96
2355	CECERT-LA	69.43	30.72	-1.96
2356	CECERT-LA	69.65	30.74	-1.96
2357	CECERT-LA	70.23	30.75	-1.18
2358	CECERT-LA	70.74	30.77	-1.18
2359	CECERT-LA	71.29	30.79	-1.18
2360	CECERT-LA	71.93	30.81	-1.18
2361	CECERT-LA	72.48	30.83	-1.18
2362	CECERT-LA	72.82	30.85	-0.63
2363	CECERT-LA	72.87	30.87	-0.63
2364	CECERT-LA	73.14	30.89	-0.63
2365	CECERT-LA	73.04	30.91	-0.63
2366	CECERT-LA	72.74	30.93	-0.63
2367	CECERT-LA	72.34	30.95	-0.17
2368	CECERT-LA	72.41	30.97	-0.17
2369	CECERT-LA	72.60	30.99	-0.17
2370	CECERT-LA	72.93	31.01	-0.17
2371	CECERT-LA	73.75	31.03	-0.17
2372	CECERT-LA	71.92	31.05	-0.37
2373	CECERT-LA	71.78	31.07	-0.37
2374	CECERT-LA	71.84	31.09	-0.37
2375	CECERT-LA	71.99	31.11	-0.37
2376	CECERT-LA	72.19	31.13	-0.37
2377	CECERT-LA	72.44	31.15	0.13
2378	CECERT-LA	72.81	31.17	0.13
2379	CECERT-LA	73.15	31.19	0.13
2380	CECERT-LA	73.53	31.21	0.13
2381	CECERT-LA	73.64	31.23	0.13
2382	CECERT-LA	71.50	31.25	-0.94
2383	CECERT-LA	70.35	31.27	-0.94
2384	CECERT-LA	68.87	31.29	-0.94
2385	CECERT-LA	67.20	31.31	-0.94
2386	CECERT-LA	66.29	31.33	-0.94
2387	CECERT-LA	65.88	31.35	-0.94
2388	CECERT-LA	65.66	31.36	-0.89
2389	CECERT-LA	65.63	31.38	-0.89
2390	CECERT-LA	64.96	31.40	-0.89
2391	CECERT-LA	65.45	31.42	-0.89
2392	CECERT-LA	66.10	31.44	-0.89
2393	CECERT-LA	66.83	31.45	-2.54
2394	CECERT-LA	67.53	31.47	-2.54
2395	CECERT-LA	67.71	31.49	-2.54
2396	CECERT-LA	67.11	31.51	-2.54
2397	CECERT-LA	66.55	31.53	-2.54
2398	CECERT-LA	66.02	31.55	-2.54
2399	CECERT-LA	65.46	31.56	-0.28
2400	CECERT-LA	65.56	31.58	-0.28
2401	CECERT-LA	66.04	31.60	-0.28
2402	CECERT-LA	66.89	31.62	-0.28
2403	CECERT-LA	64.96	31.64	-0.28
2404	CECERT-LA	64.31	31.65	-0.24
2405	CECERT-LA	64.33	31.67	-0.24
2406	CECERT-LA	64.39	31.69	-0.24
2407	CECERT-LA	64.38	31.71	-0.24
2408	CECERT-LA	64.72	31.72	-0.24
2409	CECERT-LA	64.47	31.74	-0.24
2410	CECERT-LA	64.34	31.76	0.12
2411	CECERT-LA	64.13	31.78	0.12
2412	CECERT-LA	63.74	31.80	0.12
2413	CECERT-LA	63.37	31.81	0.12
2414	CECERT-LA	62.56	31.83	0.12
2415	CECERT-LA	62.13	31.85	0.12
2416	CECERT-LA	61.76	31.86	-0.38
2417	CECERT-LA	60.85	31.88	-0.38
2418	CECERT-LA	60.07	31.90	-0.38

time (s)	route	speed (mph)	distance (mi)	grade (%)
2263	CECERT-LA	50.01	29.16	-3.11
2264	CECERT-LA	48.91	29.17	-3.11
2265	CECERT-LA	48.45	29.19	-3.11
2266	CECERT-LA	48.46	29.20	-3.11
2267	CECERT-LA	48.26	29.21	-3.11
2268	CECERT-LA	50.37	29.23	-3.11
2269	CECERT-LA	51.23	29.24	-3.11
2270	CECERT-LA	51.84	29.25	-1.92
2271	CECERT-LA	52.28	29.27	-1.92
2272	CECERT-LA	52.80	29.28	-1.92
2273	CECERT-LA	53.73	29.30	-1.92
2274	CECERT-LA	54.61	29.31	-1.92
2275	CECERT-LA	54.44	29.33	-1.92
2276	CECERT-LA	54.18	29.34	-1.92
2277	CECERT-LA	53.75	29.36	-0.81
2278	CECERT-LA	54.05	29.37	-0.81
2279	CECERT-LA	54.43	29.39	-0.81
2280	CECERT-LA	54.95	29.40	-0.81
2281	CECERT-LA	55.24	29.42	-0.81
2282	CECERT-LA	55.67	29.43	-0.81
2283	CECERT-LA	56.13	29.45	-0.81
2284	CECERT-LA	56.74	29.46	-0.90
2285	CECERT-LA	56.85	29.48	-0.90
2286	CECERT-LA	56.86	29.50	-0.90
2287	CECERT-LA	56.82	29.51	-0.90
2288	CECERT-LA	57.13	29.53	-0.90
2289	CECERT-LA	56.77	29.54	-0.90
2290	CECERT-LA	56.24	29.56	-0.90
2291	CECERT-LA	56.73	29.57	-0.95
2292	CECERT-LA	57.56	29.59	-0.95
2293	CECERT-LA	58.42	29.61	-0.95
2294	CECERT-LA	58.98	29.62	-0.95
2295	CECERT-LA	59.45	29.64	-0.95
2296	CECERT-LA	60.06	29.65	-0.99
2297	CECERT-LA	60.42	29.67	-0.99
2298	CECERT-LA	59.79	29.69	-0.99
2299	CECERT-LA	59.63	29.70	-0.99
2300	CECERT-LA	60.34	29.72	-0.99
2301	CECERT-LA	60.04	29.74	-0.99
2302	CECERT-LA	59.46	29.75	-1.32
2303	CECERT-LA	59.22	29.77	-1.32
2304	CECERT-LA	59.87	29.79	-1.32
2305	CECERT-LA	61.12	29.80	-1.32
2306	CECERT-LA	62.13	29.82	-1.32
2307	CECERT-LA	63.15	29.84	-1.32
2308	CECERT-LA	64.09	29.85	-1.46
2309	CECERT-LA	64.85	29.87	-1.46
2310	CECERT-LA	65.71	29.89	-1.46
2311	CECERT-LA	66.20	29.91	-1.46
2312	CECERT-LA	66.08	29.93	-1.46
2313	CECERT-LA	65.61	29.94	-1.46
2314	CECERT-LA	65.95	29.96	-1.45
2315	CECERT-LA	65.29	29.98	-1.45
2316	CECERT-LA	64.74	30.00	-1.45
2317	CECERT-LA	64.26	30.02	-1.45
2318	CECERT-LA	63.45	30.03	-1.45
2319	CECERT-LA	62.18	30.05	-0.91
2320	CECERT-LA	60.86	30.07	-0.91
2321	CECERT-LA	60.65	30.08	-0.91
2322	CECERT-LA	61.49	30.10	-0.91
2323	CECERT-LA	62.13	30.12	-0.91
2324	CECERT-LA	63.66	30.14	-0.91
2325	CECERT-LA	64.56	30.15	-1.27
2326	CECERT-LA	64.82	30.17	-1.27
2327	CECERT-LA	64.68	30.19	-1.27
2328	CECERT-LA	65.16	30.21	-1.27
2329	CECERT-LA	65.76	30.23	-1.27
2330	CECERT-LA	66.34	30.24	-1.27
2331	CECERT-LA	66.95	30.26	-1.15
2332	CECERT-LA	67.24	30.28	-1.15
2333	CECERT-LA	66.89	30.30	-1.15
2334	CECERT-LA	67.02	30.32	-1.15
2335				

time (s)	route	speed (mph)	distance (mi)	grade (%)
2487	CECERT-LA	68.93	33.36	-0.50
2488	CECERT-LA	69.06	33.38	-0.50
2489	CECERT-LA	69.06	33.40	-0.50
2500	CECERT-LA	68.19	33.42	-0.50
2501	CECERT-LA	67.31	33.44	-0.50
2502	CECERT-LA	66.55	33.45	-0.43
2503	CECERT-LA	66.04	33.47	-0.43
2504	CECERT-LA	66.02	33.49	-0.43
2505	CECERT-LA	66.08	33.51	-0.43
2506	CECERT-LA	66.41	33.53	-0.43
2507	CECERT-LA	65.92	33.54	-0.43
2508	CECERT-LA	65.01	33.56	-0.56
2509	CECERT-LA	64.17	33.58	-0.56
2510	CECERT-LA	63.66	33.60	-0.56
2511	CECERT-LA	63.93	33.62	-0.56
2512	CECERT-LA	64.15	33.63	-0.56
2513	CECERT-LA	64.40	33.65	-1.16
2514	CECERT-LA	64.58	33.67	-1.16
2515	CECERT-LA	64.81	33.69	-1.16
2516	CECERT-LA	64.36	33.70	-1.16
2517	CECERT-LA	63.77	33.72	-1.16
2518	CECERT-LA	63.13	33.74	-1.16
2519	CECERT-LA	62.56	33.76	-1.28
2520	CECERT-LA	61.95	33.77	-1.28
2521	CECERT-LA	61.46	33.79	-1.28
2522	CECERT-LA	60.70	33.81	-1.28
2523	CECERT-LA	60.22	33.82	-1.28
2524	CECERT-LA	60.02	33.84	-1.28
2525	CECERT-LA	59.77	33.86	-0.40
2526	CECERT-LA	59.24	33.87	-0.40
2527	CECERT-LA	59.60	33.89	-0.40
2528	CECERT-LA	60.16	33.91	-0.40
2529	CECERT-LA	60.81	33.92	-0.40
2530	CECERT-LA	61.14	33.94	-0.40
2531	CECERT-LA	61.23	33.96	0.26
2532	CECERT-LA	61.54	33.97	0.26
2533	CECERT-LA	61.67	33.99	0.26
2534	CECERT-LA	62.02	34.01	0.26
2535	CECERT-LA	62.26	34.02	0.26
2536	CECERT-LA	62.68	34.04	0.26
2537	CECERT-LA	62.92	34.06	-0.22
2538	CECERT-LA	63.34	34.08	-0.22
2539	CECERT-LA	63.82	34.09	-0.22
2540	CECERT-LA	64.26	34.11	-0.22
2541	CECERT-LA	64.54	34.13	-0.22
2542	CECERT-LA	64.83	34.15	-0.22
2543	CECERT-LA	65.15	34.16	-0.54
2544	CECERT-LA	65.15	34.18	-0.54
2545	CECERT-LA	65.80	34.20	-0.54
2546	CECERT-LA	66.14	34.22	-0.54
2547	CECERT-LA	66.40	34.24	-0.54
2548	CECERT-LA	66.56	34.26	-0.50
2549	CECERT-LA	66.83	34.27	-0.50
2550	CECERT-LA	67.07	34.29	-0.50
2551	CECERT-LA	67.36	34.31	-0.50
2552	CECERT-LA	67.73	34.33	-0.50
2553	CECERT-LA	68.01	34.35	-0.50
2554	CECERT-LA	68.23	34.37	-0.54
2555	CECERT-LA	68.53	34.39	-0.54
2556	CECERT-LA	68.73	34.40	-0.54
2557	CECERT-LA	68.77	34.42	-0.54
2558	CECERT-LA	68.23	34.44	-0.54
2559	CECERT-LA	67.33	34.46	-0.52
2560	CECERT-LA	67.14	34.48	-0.52
2561	CECERT-LA	67.42	34.50	-0.52
2562	CECERT-LA	67.62	34.52	-0.52
2563	CECERT-LA	67.97	34.53	-0.52
2564	CECERT-LA	67.94	34.55	0.33
2565	CECERT-LA	67.93	34.57	0.33
2566	CECERT-LA	68.06	34.59	0.33
2567	CECERT-LA	68.50	34.61	0.33
2568	CECERT-LA	68.79	34.63	0.33
2569	CECERT-LA	68.78	34.65	0.33
2570	CECERT-LA	68.78	34.67	1.95
2571	CECERT-LA	68.84	34.69	1.95
2572	CECERT-LA	68.28	34.70	1.95
2573	CECERT-LA	68.26	34.72	1.95
2574	CECERT-LA	68.08	34.74	1.95

time (s)	route	speed (mph)	distance (mi)	grade (%)
2653	CECERT-LA	69.58	36.22	-0.95
2654	CECERT-LA	70.11	36.24	-0.95
2655	CECERT-LA	70.71	36.26	-0.75
2656	CECERT-LA	71.26	36.28	-0.75
2657	CECERT-LA	71.74	36.30	-0.75
2658	CECERT-LA	72.00	36.32	-0.75
2659	CECERT-LA	72.41	36.34	-0.75
2660	CECERT-LA	72.71	36.36	-0.19
2661	CECERT-LA	72.85	36.38	-0.19
2662	CECERT-LA	73.17	36.40	-0.19
2663	CECERT-LA	73.31	36.42	-0.19
2664	CECERT-LA	73.40	36.44	-0.19
2665	CECERT-LA	73.34	36.46	-0.21
2666	CECERT-LA	73.45	36.48	-0.21
2667	CECERT-LA	73.69	36.50	-0.21
2668	CECERT-LA	73.77	36.52	-0.21
2669	CECERT-LA	74.02	36.54	-0.21
2670	CECERT-LA	74.20	36.56	-0.25
2671	CECERT-LA	74.32	36.58	-0.25
2672	CECERT-LA	74.26	36.60	-0.25
2673	CECERT-LA	74.24	36.62	-0.25
2674	CECERT-LA	74.27	36.64	-0.25
2675	CECERT-LA	74.34	36.66	-0.30
2676	CECERT-LA	74.30	36.68	-0.30
2677	CECERT-LA	74.30	36.70	-0.30
2678	CECERT-LA	74.16	36.72	-0.30
2679	CECERT-LA	74.08	36.74	-0.30
2680	CECERT-LA	73.94	36.77	-0.21
2681	CECERT-LA	73.68	36.79	-0.21
2682	CECERT-LA	72.82	36.81	-0.21
2683	CECERT-LA	72.11	36.83	-0.21
2684	CECERT-LA	72.29	36.85	-0.21
2685	CECERT-LA	72.56	36.87	-0.21
2686	CECERT-LA	72.85	36.89	-0.21
2687	CECERT-LA	73.04	36.91	-0.21
2688	CECERT-LA	73.26	36.93	-0.21
2689	CECERT-LA	73.60	36.95	-0.21
2690	CECERT-LA	73.84	36.97	-0.25
2691	CECERT-LA	74.08	36.99	-0.25
2692	CECERT-LA	74.23	37.01	-0.25
2693	CECERT-LA	74.36	37.03	-0.25
2694	CECERT-LA	74.54	37.05	-0.25
2695	CECERT-LA	74.64	37.07	-0.22
2696	CECERT-LA	74.87	37.09	-0.22
2697	CECERT-LA	75.14	37.11	-0.22
2698	CECERT-LA	75.35	37.13	-0.22
2699	CECERT-LA	75.54	37.15	-0.42
2700	CECERT-LA	75.80	37.17	-0.42
2701	CECERT-LA	75.98	37.19	-0.42
2702	CECERT-LA	75.78	37.21	-0.42
2703	CECERT-LA	74.81	37.23	-0.42
2704	CECERT-LA	74.49	37.25	-0.84
2705	CECERT-LA	74.55	37.27	-0.84
2706	CECERT-LA	74.65	37.30	-0.84
2707	CECERT-LA	74.70	37.32	-0.84
2708	CECERT-LA	74.62	37.34	-0.84
2709	CECERT-LA	74.55	37.36	-0.75
2710	CECERT-LA	74.55	37.38	-0.75
2711	CECERT-LA	74.60	37.40	-0.75
2712	CECERT-LA	74.66	37.42	-0.75
2713	CECERT-LA	74.70	37.44	-0.75
2714	CECERT-LA	74.75	37.46	-0.80
2715	CECERT-LA	74.88	37.48	-0.80
2716	CECERT-LA	74.34	37.50	-0.80
2717	CECERT-LA	73.41	37.52	-0.80
2718	CECERT-LA	72.62	37.54	-0.80
2719	CECERT-LA	72.61	37.56	-0.94
2720	CECERT-LA	72.65	37.58	-0.94
2721	CECERT-LA	72.65	37.60	-0.94
2722	CECERT-LA	72.52	37.62	-0.94
2723	CECERT-LA	72.32	37.64	-0.94
2724	CECERT-LA	72.46	37.66	-1.18
2725	CECERT-LA	72.67	37.68	-1.18
2726	CECERT-LA	72.67	37.70	-1.18
2727	CECERT-LA	72.61	37.72	-1.18
2728	CECERT-LA	72.59	37.74	-1.18
2729	CECERT-LA	72.61	37.76	-0.64
2730	CECERT-LA	72.52	37.78	-0.64

time (s)	route	speed (mph)	distance (mi)	grade (%)
2575	CECERT-LA	68.01	34.76	-1.12
2576	CECERT-LA	67.86	34.78	-1.12
2577	CECERT-LA	67.84	34.80	-1.12
2578	CECERT-LA	67.82	34.82	-1.12
2579	CECERT-LA	68.04	34.83	-1.12
2580	CECERT-LA	68.13	34.85	-1.99
2581	CECERT-LA	68.12	34.87	-1.99
2582	CECERT-LA	68.62	34.89	-1.99
2583	CECERT-LA	68.89	34.91	-1.99
2584	CECERT-LA	69.17	34.93	-1.99
2585	CECERT-LA	69.45	34.95	-1.12
2586	CECERT-LA	69.67	34.97	-0.29
2587	CECERT-LA	69.89	34.99	-0.29
2588	CECERT-LA	70.22	35.01	-0.29
2589	CECERT-LA	70.58	35.03	-0.29
2590	CECERT-LA	70.99	35.04	-0.29
2591	CECERT-LA	71.15	35.06	-0.17
2592	CECERT-LA	71.28	35.08	-0.17
2593	CECERT-LA	71.49	35.10	-0.17
2594	CECERT-LA	71.68	35.12	-0.17
2595	CECERT-LA	71.87	35.14	-0.17
2596	CECERT-LA	72.20	35.16	-0.63
2597	CECERT-LA	72.44	35.18	-0.63
2598	CECERT-LA	72.64	35.20	-0.63
2599	CECERT-LA	72.95	35.22	-0.63
2600	CECERT-LA	72.83	35.24	-0.63
2601	CECERT-LA	73.89	35.26	-1.90
2602	CECERT-LA	72.02	35.28	-1.90
2603	CECERT-LA	71.54	35.30	-1.90
2604	CECERT-LA	70.86	35.32	-1.90
2605	CECERT-LA	70.20	35.34	-1.90
2606	CECERT-LA	69.75	35.36	-1.80
2607	CECERT-LA	69.26	35.38	-1.80
2608	CECERT-LA	68.84	35.40	-1.80
2609	CECERT-LA	68.02	35.42	-1.80
2610	CECERT-LA	66.59	35.44	-1.80
2611	CECERT-LA	64.70	35.45	-0.40
2612	CECERT-LA	62.16	35.47	-0.40
2613	CECERT-LA	62.46	35.49	-0.40
2614	CECERT-LA	62.26	35.50	-0.40
2615	CECERT-LA	62.86	35.52	-0.40
2616	CECERT-LA	63.56	35.54	-0.40
2617	CECERT-LA	64.09	35.56	-0.40
2618	CECERT-LA	64.73	35.57	-0.40
2619	CECERT-LA	65.12	35.59	-0.40
2620	CECERT-LA	65.76	35.61	-0.40
2621	CECERT-LA	66.07	35.63	-0.40
2622	CECERT-LA	66.26	35.65	-0.40
2623	CECERT-LA	66.60	35.67	-0.06
2624	CECERT-LA	66.79	35.68	-0.06
2625	CECERT-LA	66.01	35.70	-0.06
2626	CECERT-LA	65.22	35.72	-0.06
2627	CECERT-LA	65.56	35.74	-0.06
2628	CECERT-LA	66.06	35.76	-0.27
2629	CECERT-LA	66.61	35.77	-0.27
2630	CECERT-LA	67.09	35.79	-0.27
2631	CECERT-LA	67.16	35.81	-0.27
2632	CECERT-LA	66.35	35.83	-0.27
2633	CECERT-LA	66.56	35.85	-0.27
2634	CECERT-LA	66.84	35.87	-0.22
2635	CECERT-LA	66.84	35.88	-0.22
2636	CECERT-LA	66.90	35.90	-0.22
2637	CECERT-LA	66.92	35.92	-0.22
2638	CECERT-LA	66.15	35.94	-0.22
2639	CECERT-LA	65.48	35.96	-0.33
2640	CECERT-LA	65.76	35.98	-0.33
2641	CECERT-LA	66.22	35.99	-0.33
2642	CECERT-LA	66.66	36.01	-0.33
2643	CECERT-LA	67.09	36.03	-0.33
2644	CECERT-LA	67.69	36.05	-0.33
2645	CECERT-LA	68.08	36.07	-0.68
2646	CECERT-LA	68.68	36.09	-0.68
2647				

time (s)	route	speed (mph)	distance (mi)	grade (%)
2809	CECERT-LA	67.22	39.28	0.18
2810	CECERT-LA	66.75	39.30	0.18
2811	CECERT-LA	65.85	39.32	0.18
2812	CECERT-LA	65.18	39.33	0.18
2813	CECERT-LA	65.49	39.35	0.05
2814	CECERT-LA	65.87	39.37	0.05
2815	CECERT-LA	66.28	39.39	0.05
2816	CECERT-LA	66.55	39.41	0.05
2817	CECERT-LA	66.84	39.42	0.05
2818	CECERT-LA	67.19	39.44	0.05
2819	CECERT-LA	67.36	39.46	0.08
2820	CECERT-LA	67.53	39.48	0.08
2821	CECERT-LA	66.60	39.50	0.08
2822	CECERT-LA	66.17	39.52	0.08
2823	CECERT-LA	66.46	39.53	0.08
2824	CECERT-LA	66.29	39.55	0.26
2825	CECERT-LA	66.57	39.57	0.26
2826	CECERT-LA	66.37	39.59	0.26
2827	CECERT-LA	63.44	39.61	0.26
2828	CECERT-LA	62.80	39.62	0.26
2829	CECERT-LA	62.82	39.64	0.26
2830	CECERT-LA	62.11	39.66	0.39
2831	CECERT-LA	61.53	39.67	0.39
2832	CECERT-LA	61.39	39.69	0.39
2833	CECERT-LA	61.46	39.71	0.39
2834	CECERT-LA	61.17	39.73	0.39
2835	CECERT-LA	60.80	39.74	0.39
2836	CECERT-LA	60.47	39.76	0.80
2837	CECERT-LA	60.03	39.78	0.80
2838	CECERT-LA	60.03	39.79	0.80
2839	CECERT-LA	60.19	39.81	0.80
2840	CECERT-LA	60.65	39.82	0.80
2841	CECERT-LA	61.33	39.84	0.80
2842	CECERT-LA	61.73	39.86	2.05
2843	CECERT-LA	62.17	39.88	2.05
2844	CECERT-LA	62.15	39.89	2.05
2845	CECERT-LA	62.00	39.91	2.05
2846	CECERT-LA	62.22	39.93	2.05
2847	CECERT-LA	62.33	39.94	2.05
2848	CECERT-LA	62.71	39.96	-2.89
2849	CECERT-LA	63.05	39.98	-2.89
2850	CECERT-LA	63.66	40.00	-2.89
2851	CECERT-LA	64.32	40.01	-2.89
2852	CECERT-LA	64.64	40.03	-2.89
2853	CECERT-LA	63.86	40.05	-2.89
2854	CECERT-LA	63.95	40.07	2.53
2855	CECERT-LA	64.59	40.08	2.53
2856	CECERT-LA	65.88	40.10	2.53
2857	CECERT-LA	66.30	40.12	2.53
2858	CECERT-LA	67.38	40.14	2.53
2859	CECERT-LA	68.33	40.16	-1.40
2860	CECERT-LA	69.32	40.18	-1.40
2861	CECERT-LA	70.17	40.20	-1.40
2862	CECERT-LA	70.93	40.22	-1.40
2863	CECERT-LA	71.64	40.24	-1.40
2864	CECERT-LA	72.06	40.26	1.47
2865	CECERT-LA	72.45	40.28	1.47
2866	CECERT-LA	72.66	40.30	1.47
2867	CECERT-LA	72.72	40.32	1.47
2868	CECERT-LA	72.51	40.34	1.47
2869	CECERT-LA	71.34	40.35	1.53
2870	CECERT-LA	70.04	40.37	1.53
2871	CECERT-LA	68.82	40.39	1.53
2872	CECERT-LA	67.66	40.41	1.53
2873	CECERT-LA	66.48	40.43	1.53
2874	CECERT-LA	65.32	40.45	1.53
2875	CECERT-LA	64.25	40.47	0.40
2876	CECERT-LA	63.46	40.48	0.40
2877	CECERT-LA	63.65	40.50	0.40
2878	CECERT-LA	64.12	40.52	0.40
2879	CECERT-LA	64.57	40.54	0.40
2880	CECERT-LA	64.85	40.55	0.93
2881	CECERT-LA	64.10	40.57	-0.93
2882	CECERT-LA	63.32	40.59	-0.93
2883	CECERT-LA	62.14	40.61	-0.93
2884	CECERT-LA	62.23	40.62	-0.93
2885	CECERT-LA	61.87	40.64	-0.93
2886	CECERT-LA	62.02	40.66	-1.32

time (s)	route	speed (mph)	distance (mi)	grade (%)
2965	CECERT-LA	20.32	41.90	2.33
2966	CECERT-LA	18.89	41.91	2.33
2967	CECERT-LA	17.23	41.91	2.33
2968	CECERT-LA	15.30	41.91	2.33
2969	CECERT-LA	13.03	41.92	2.33
2970	CECERT-LA	10.35	41.92	2.33
2971	CECERT-LA	6.67	41.92	2.33
2972	CECERT-LA	3.30	41.92	2.33
2973	CECERT-LA	0.72	41.92	2.33
2974	CECERT-LA	0.15	41.92	2.33
2975	CECERT-LA	1.15	41.92	2.33
2976	CECERT-LA	2.52	41.92	2.33
2977	CECERT-LA	3.85	41.93	2.33
2978	CECERT-LA	4.71	41.93	2.33
2979	CECERT-LA	6.11	41.93	2.33
2980	CECERT-LA	7.60	41.93	2.33
2981	CECERT-LA	9.82	41.93	2.33
2982	CECERT-LA	10.94	41.94	2.33
2983	CECERT-LA	11.74	41.94	2.33
2984	CECERT-LA	13.06	41.94	2.33
2985	CECERT-LA	14.80	41.95	2.33
2986	CECERT-LA	16.48	41.95	1.92
2987	CECERT-LA	18.34	41.96	1.92
2988	CECERT-LA	20.37	41.96	1.92
2989	CECERT-LA	22.35	41.97	1.92
2990	CECERT-LA	24.23	41.98	1.92
2991	CECERT-LA	26.48	41.98	1.92
2992	CECERT-LA	28.75	41.99	1.92
2993	CECERT-LA	30.21	42.00	1.92
2994	CECERT-LA	31.41	42.01	1.92
2995	CECERT-LA	32.63	42.02	1.92
2996	CECERT-LA	33.99	42.03	1.92
2997	CECERT-LA	35.71	42.04	1.92
2998	CECERT-LA	37.59	42.05	1.92
2999	CECERT-LA	39.52	42.06	-4.22
3000	CECERT-LA	40.56	42.07	-4.22
3001	CECERT-LA	42.01	42.08	-4.22
3002	CECERT-LA	43.66	42.09	-4.22
3003	CECERT-LA	44.45	42.10	-4.22
3004	CECERT-LA	45.12	42.12	-4.22
3005	CECERT-LA	45.37	42.13	-4.22
3006	CECERT-LA	44.74	42.14	-4.22
3007	CECERT-LA	44.41	42.15	1.38
3008	CECERT-LA	45.42	42.17	1.38
3009	CECERT-LA	46.81	42.18	1.38
3010	CECERT-LA	47.97	42.19	1.38
3011	CECERT-LA	49.05	42.21	1.38
3012	CECERT-LA	49.15	42.22	1.38
3013	CECERT-LA	48.86	42.23	1.38
3014	CECERT-LA	48.58	42.25	1.38
3015	CECERT-LA	48.63	42.26	1.38
3016	CECERT-LA	49.42	42.27	-1.36
3017	CECERT-LA	50.22	42.29	-1.36
3018	CECERT-LA	50.94	42.30	-1.36
3019	CECERT-LA	51.04	42.31	-1.36
3020	CECERT-LA	50.98	42.33	-1.36
3021	CECERT-LA	51.65	42.34	-1.36
3022	CECERT-LA	52.67	42.36	0.57
3023	CECERT-LA	53.49	42.37	0.57
3024	CECERT-LA	54.55	42.39	0.57
3025	CECERT-LA	55.64	42.40	0.57
3026	CECERT-LA	56.51	42.42	0.57
3027	CECERT-LA	56.86	42.43	0.57
3028	CECERT-LA	56.24	42.45	0.57
3029	CECERT-LA	56.26	42.46	-1.74
3030	CECERT-LA	56.91	42.48	-1.74
3031	CECERT-LA	57.58	42.50	-1.74
3032	CECERT-LA	58.26	42.51	-1.74
3033	CECERT-LA	59.21	42.53	-1.74
3034	CECERT-LA	59.96	42.54	-1.74
3035	CECERT-LA	60.68	42.56	-1.17
3036	CECERT-LA	60.28	42.58	-1.17
3037	CECERT-LA	59.52	42.59	-1.17
3038	CECERT-LA	59.81	42.61	-1.17
3039	CECERT-LA	60.58	42.63	-1.17
3040	CECERT-LA	61.14	42.64	-1.17
3041	CECERT-LA	60.81	42.66	1.48
3042	CECERT-LA	60.07	42.68	1.48

time (s)	route	speed (mph)	distance (mi)	grade (%)
2887	CECERT-LA	62.76	40.67	-1.32
2888	CECERT-LA	63.48	40.69	-1.32
2889	CECERT-LA	64.27	40.71	-1.32
2890	CECERT-LA	65.04	40.73	-1.32
2891	CECERT-LA	65.67	40.75	-1.32
2892	CECERT-LA	65.45	40.76	-1.80
2893	CECERT-LA	65.79	40.78	-1.80
2894	CECERT-LA	66.47	40.80	-1.80
2895	CECERT-LA	67.30	40.82	-1.80
2896	CECERT-LA	68.07	40.84	-1.80
2897	CECERT-LA	68.85	40.86	-0.75
2898	CECERT-LA	69.50	40.88	-0.75
2899	CECERT-LA	69.91	40.89	-0.75
2900	CECERT-LA	70.28	40.91	-0.75
2901	CECERT-LA	70.19	40.93	-0.75
2902	CECERT-LA	69.40	40.95	-1.20
2903	CECERT-LA	68.67	40.97	-1.20
2904	CECERT-LA	67.57	40.99	-1.20
2905	CECERT-LA	66.21	41.01	-1.20
2906	CECERT-LA	64.94	41.03	-1.20
2907	CECERT-LA	64.52	41.04	-1.20
2908	CECERT-LA	65.35	41.06	-1.33
2909	CECERT-LA	66.32	41.08	-1.33
2910	CECERT-LA	67.13	41.10	-1.33
2911	CECERT-LA	67.98	41.12	-1.33
2912	CECERT-LA	68.49	41.14	-1.33
2913	CECERT-LA	68.80	41.15	-1.78
2914	CECERT-LA	67.46	41.17	-1.78
2915	CECERT-LA	67.78	41.19	-1.78
2916	CECERT-LA	68.08	41.21	-1.78
2917	CECERT-LA	67.44	41.23	-1.78
2918	CECERT-LA	66.96	41.25	-1.78
2919	CECERT-LA	66.46	41.27	-2.46
2920	CECERT-LA	65.90	41.28	-2.46
2921	CECERT-LA	65.36	41.30	-2.46
2922	CECERT-LA	64.96	41.32	-2.46
2923	CECERT-LA	64.36	41.34	-2.46
2924	CECERT-LA	63.82	41.35	-2.98
2925	CECERT-LA	64.22	41.37	-2.98
2926	CECERT-LA	64.97	41.39	-2.98
2927	CECERT-LA	65.27	41.41	-2.98
2928	CECERT-LA	64.95	41.43	-2.98
2929	CECERT-LA	64.68	41.44	-2.98
2930	CECERT-LA	64.50	41.46	-2.80
2931	CECERT-LA	64.91	41.48	-2.80
2932	CECERT-LA	65.55	41.50	-2.80
2933	CECERT-LA	65.81	41.52	-2.80
2934	CECERT-LA	64.83	41.53	-2.80
2935	CECERT-LA	63.66	41.55	-2.80
2936	CECERT-LA	62.22	41.57	-2.80
2937	CECERT-LA	60.85	41.58	-2.80
2938	CECERT-LA	59.69	41.60	-2.80
2939	CECERT-LA	55.27	41.62	-2.80
2940	CECERT-LA	52.51	41.63	-2.80
2941	CECERT-LA	50.44	41.64	-2.80
2942	CECERT-LA	48.80	41.66	-2.53
2943	CECERT-LA	48.48	41.67	-2.53
2944	CECERT-LA	48.36	41.68	-2.53
2945	CECERT-LA	48.63	41.70	-2.53
2946	CECERT-LA	49.35	41.71	-2.53
2947	CECERT-LA	49.71	41.72	-2.53
2948	CECERT-LA	49.56	41.74	-2.53
2949	CECERT-LA	49.29	41.75	-0.09
2950	CECERT-LA	48.45	41.77	-0.09
2951	CECERT-LA	47.18	41.78	-0.09
2952	CECERT-LA	45.65	41.79	-0.09
2953	CECERT-LA	44.03	41.80	-0.09
2954	CECERT-LA	42.63	41.81	-0.09
2955	CECERT-LA	41.41	41.83	0.09
2956	CECERT-LA	38.52	41.84	-0.09
2957	CECERT-LA	35.19	41.85	-0.09
2958	CECERT-LA	31.86	41.86	2.33
2959	CECERT-LA			

time (s)	route	speed (mph)	distance (mi)	grade (%)
3121	CECERT-LA	52.91	43.60	-0.43
3122	CECERT-LA	53.65	43.62	-0.43
3123	CECERT-LA	54.42	43.63	-0.43
3124	CECERT-LA	55.13	43.65	-0.43
3125	CECERT-LA	56.15	43.66	-0.13
3126	CECERT-LA	56.87	43.68	-0.13
3127	CECERT-LA	57.40	43.70	-0.13
3128	CECERT-LA	57.41	43.71	-0.13
3129	CECERT-LA	57.31	43.73	-0.13
3130	CECERT-LA	57.50	43.74	-0.13
3131	CECERT-LA	57.53	43.76	-0.25
3132	CECERT-LA	57.72	43.77	-0.25
3133	CECERT-LA	58.02	43.79	-0.25
3134	CECERT-LA	58.63	43.81	-0.25
3135	CECERT-LA	59.43	43.82	-0.25
3136	CECERT-LA	60.33	43.84	-0.25
3137	CECERT-LA	60.89	43.86	-0.41
3138	CECERT-LA	61.11	43.87	-0.41
3139	CECERT-LA	61.44	43.89	-0.41
3140	CECERT-LA	61.62	43.91	-0.41
3141	CECERT-LA	61.96	43.92	-0.41
3142	CECERT-LA	62.56	43.94	-0.41
3143	CECERT-LA	63.28	43.96	-0.56
3144	CECERT-LA	63.88	43.98	-0.56
3145	CECERT-LA	64.30	43.99	-0.56
3146	CECERT-LA	64.57	44.01	-0.56
3147	CECERT-LA	65.20	44.03	-0.56
3148	CECERT-LA	65.90	44.05	-0.56
3149	CECERT-LA	66.54	44.07	-0.37
3150	CECERT-LA	67.24	44.08	-0.37
3151	CECERT-LA	67.89	44.10	-0.37
3152	CECERT-LA	68.48	44.12	-0.37
3153	CECERT-LA	68.89	44.14	-0.37
3154	CECERT-LA	69.26	44.16	0.19
3155	CECERT-LA	69.52	44.18	0.19
3156	CECERT-LA	69.85	44.20	0.19
3157	CECERT-LA	70.23	44.22	0.19
3158	CECERT-LA	70.66	44.24	0.19
3159	CECERT-LA	71.03	44.26	0.02
3160	CECERT-LA	71.36	44.28	0.02
3161	CECERT-LA	71.81	44.30	0.02
3162	CECERT-LA	72.29	44.32	0.02
3163	CECERT-LA	72.87	44.34	0.02
3164	CECERT-LA	73.48	44.36	-0.25
3165	CECERT-LA	74.11	44.38	-0.25
3166	CECERT-LA	74.65	44.40	-0.25
3167	CECERT-LA	75.17	44.42	-0.25
3168	CECERT-LA	75.48	44.44	-0.25
3169	CECERT-LA	75.76	44.46	-0.10
3170	CECERT-LA	76.01	44.48	-0.10
3171	CECERT-LA	76.37	44.50	-0.10
3172	CECERT-LA	75.92	44.52	-0.10
3173	CECERT-LA	75.65	44.54	-0.10
3174	CECERT-LA	75.68	44.56	-0.33
3175	CECERT-LA	75.63	44.58	-0.33
3176	CECERT-LA	75.45	44.60	-0.33
3177	CECERT-LA	74.32	44.63	-0.33
3178	CECERT-LA	73.37	44.65	-0.33
3179	CECERT-LA	72.21	44.67	-0.40
3180	CECERT-LA	71.17	44.68	-0.40
3181	CECERT-LA	70.38	44.70	-0.40
3182	CECERT-LA	69.10	44.72	-0.40
3183	CECERT-LA	67.43	44.74	-0.40
3184	CECERT-LA	65.63	44.76	-0.36
3185	CECERT-LA	64.08	44.78	-0.36
3186	CECERT-LA	63.21	44.79	-0.36
3187	CECERT-LA	62.34	44.81	-0.36
3188	CECERT-LA	61.34	44.83	-0.36
3189	CECERT-LA	61.45	44.85	-0.36
3190	CECERT-LA	62.08	44.86	-0.31
3191	CECERT-LA	63.36	44.88	-0.31
3192	CECERT-LA	64.59	44.90	-0.31
3193	CECERT-LA	65.71	44.92	-0.31
3194	CECERT-LA	66.51	44.93	-0.31
3195	CECERT-LA	66.94	44.95	-0.31
3196	CECERT-LA	66.13	44.97	-0.31
3197	CECERT-LA	65.35	44.99	-0.31
3198	CECERT-LA	65.02	45.01	-0.31

time (s)	route	speed (mph)	distance (mi)	grade (%)
3277	CECERT-LA	60.95	46.34	2.98
3278	CECERT-LA	60.77	46.35	3.18
3279	CECERT-LA	60.45	46.37	3.18
3280	CECERT-LA	59.34	46.38	3.18
3281	CECERT-LA	58.28	46.40	3.18
3282	CECERT-LA	58.40	46.42	3.18
3283	CECERT-LA	58.75	46.43	3.18
3284	CECERT-LA	59.27	46.45	3.18
3285	CECERT-LA	59.92	46.47	2.80
3286	CECERT-LA	60.29	46.48	2.80
3287	CECERT-LA	60.65	46.50	2.80
3288	CECERT-LA	61.16	46.52	2.80
3289	CECERT-LA	61.13	46.53	2.80
3290	CECERT-LA	61.71	46.55	2.80
3291	CECERT-LA	62.18	46.57	3.05
3292	CECERT-LA	62.83	46.58	3.05
3293	CECERT-LA	62.94	46.60	3.05
3294	CECERT-LA	62.99	46.62	3.05
3295	CECERT-LA	63.04	46.64	3.05
3296	CECERT-LA	62.78	46.65	2.75
3297	CECERT-LA	62.62	46.67	2.75
3298	CECERT-LA	62.66	46.69	2.75
3299	CECERT-LA	62.18	46.70	2.75
3300	CECERT-LA	61.88	46.72	2.75
3301	CECERT-LA	59.99	46.74	2.75
3302	CECERT-LA	58.73	46.75	1.76
3303	CECERT-LA	58.48	46.77	1.76
3304	CECERT-LA	58.74	46.79	1.76
3305	CECERT-LA	58.87	46.80	1.76
3306	CECERT-LA	58.90	46.82	1.76
3307	CECERT-LA	58.86	46.84	1.76
3308	CECERT-LA	59.33	46.85	0.60
3309	CECERT-LA	60.04	46.87	0.60
3310	CECERT-LA	60.71	46.88	0.60
3311	CECERT-LA	61.30	46.90	0.60
3312	CECERT-LA	61.79	46.92	0.60
3313	CECERT-LA	62.72	46.94	0.60
3314	CECERT-LA	63.63	46.95	-0.60
3315	CECERT-LA	64.41	46.97	-0.60
3316	CECERT-LA	65.28	46.99	-0.60
3317	CECERT-LA	66.16	47.01	-0.60
3318	CECERT-LA	67.03	47.03	-0.60
3319	CECERT-LA	67.75	47.04	-0.60
3320	CECERT-LA	68.21	47.06	-1.51
3321	CECERT-LA	68.79	47.08	-1.51
3322	CECERT-LA	69.24	47.10	-1.51
3323	CECERT-LA	69.68	47.12	-1.51
3324	CECERT-LA	70.14	47.14	-1.51
3325	CECERT-LA	69.69	47.16	-2.39
3326	CECERT-LA	69.71	47.18	-2.39
3327	CECERT-LA	70.43	47.20	-2.39
3328	CECERT-LA	71.03	47.22	-2.39
3329	CECERT-LA	71.69	47.24	-2.39
3330	CECERT-LA	71.91	47.26	-2.22
3331	CECERT-LA	71.40	47.28	-2.22
3332	CECERT-LA	71.56	47.30	-2.22
3333	CECERT-LA	72.08	47.32	-2.22
3334	CECERT-LA	72.56	47.34	-2.22
3335	CECERT-LA	73.02	47.36	-2.21
3336	CECERT-LA	73.57	47.38	-2.21
3337	CECERT-LA	74.08	47.40	-2.21
3338	CECERT-LA	74.52	47.42	-2.21
3339	CECERT-LA	73.86	47.44	-2.21
3340	CECERT-LA	73.63	47.46	-1.65
3341	CECERT-LA	73.91	47.48	-1.65
3342	CECERT-LA	74.34	47.50	-1.65
3343	CECERT-LA	74.55	47.52	-1.65
3344	CECERT-LA	74.80	47.54	-1.65
3345	CECERT-LA	75.28	47.56	-2.04
3346	CECERT-LA	75.44	47.58	-2.04
3347	CECERT-LA	75.50	47.60	-2.04
3348	CECERT-LA	75.48	47.62	-2.04
3349	CECERT-LA	75.53	47.64	-2.04
3350	CECERT-LA	75.58	47.66	-0.14
3351	CECERT-LA	75.57	47.68	-0.14
3352	CECERT-LA	75.63	47.70	-0.14
3353	CECERT-LA	75.80	47.73	-0.14
3354	CECERT-LA	75.97	47.75	-0.14

time (s)	route	speed (mph)	distance (mi)	grade (%)
3199	CECERT-LA	65.23	45.02	-0.31
3200	CECERT-LA	65.09	45.04	-0.31
3201	CECERT-LA	64.20	45.06	-0.27
3202	CECERT-LA	63.41	45.08	-0.27
3203	CECERT-LA	63.44	45.09	-0.27
3204	CECERT-LA	63.40	45.11	-0.27
3205	CECERT-LA	62.63	45.13	-0.27
3206	CECERT-LA	61.72	45.15	-0.27
3207	CECERT-LA	61.18	45.16	0.62
3208	CECERT-LA	60.34	45.18	0.62
3209	CECERT-LA	59.65	45.20	0.62
3210	CECERT-LA	60.62	45.21	0.62
3211	CECERT-LA	61.50	45.23	0.62
3212	CECERT-LA	61.99	45.25	0.62
3213	CECERT-LA	62.66	45.26	-0.11
3214	CECERT-LA	62.52	45.28	-0.11
3215	CECERT-LA	61.60	45.30	-0.11
3216	CECERT-LA	60.53	45.31	-0.11
3217	CECERT-LA	60.19	45.33	-0.11
3218	CECERT-LA	59.34	45.35	-0.11
3219	CECERT-LA	58.11	45.36	2.65
3220	CECERT-LA	57.49	45.38	3.65
3221	CECERT-LA	57.47	45.40	3.65
3222	CECERT-LA	57.50	45.41	3.65
3223	CECERT-LA	57.67	45.43	3.65
3224	CECERT-LA	57.49	45.44	3.65
3225	CECERT-LA	57.10	45.46	3.14
3226	CECERT-LA	57.07	45.47	3.14
3227	CECERT-LA	57.26	45.49	3.14
3228	CECERT-LA	57.15	45.51	3.14
3229	CECERT-LA	57.04	45.52	3.14
3230	CECERT-LA	57.40	45.54	3.14
3231	CECERT-LA	57.58	45.55	2.76
3232	CECERT-LA	58.07	45.57	2.76
3233	CECERT-LA	58.69	45.58	2.76
3234	CECERT-LA	59.03	45.60	2.76
3235	CECERT-LA	59.56	45.62	2.76
3236	CECERT-LA	60.15	45.63	2.76
3237	CECERT-LA	60.83	45.65	1.48
3238	CECERT-LA	60.99	45.67	1.48
3239	CECERT-LA	61.44	45.68	1.48
3240	CECERT-LA	61.67	45.70	1.48
3241	CECERT-LA	61.32	45.72	1.48
3242	CECERT-LA	61.08	45.74	1.48
3243	CECERT-LA	59.81	45.75	2.23
3244	CECERT-LA	59.43	45.77	0.23
3245	CECERT-LA	59.73	45.78	0.23
3246	CECERT-LA	60.17	45.80	0.23
3247	CECERT-LA	60.66	45.82	0.23
3248	CECERT-LA	61.10	45.83	0.23
3249	CECERT-LA	61.69	45.85	0.62
3250	CECERT-LA	62.41	45.87	0.62
3251	CECERT-LA	63.21	45.89	0.62
3252	CECERT-LA	64.00	45.90	0.62
3253	CECERT-LA	64.78	45.92	0.62
3254	CECERT-LA	65.27	45.94	0.62
3255	CECERT-LA	65.45	45.96	0.22
3256	CECERT-LA	65.91	45.98	0.22
3257	CECERT-LA	66.20	45.99	0.22
3258	CECERT-LA	66.03	46.01	0.22
3259	CECERT-LA	65.06	46.03	0.22
3260	CECERT-LA	64.08	46.05	0.22
3261	CECERT-LA	63.71	46.06	2.32
3262	CECERT-LA	63.93	46.08	2.32
3263	CECERT-LA	63.74	46.10	2.32
3264	CECERT-LA	62.54	46.12	2.32
3265	CECERT-LA	61.31	46.13	2.95
3266	CECERT-LA	60.29	46.15	2.95
3267	CECERT-LA	60.52	46.17	2.95
3268	CECERT-LA	60.95	46.18	2.95
3269	CECERT-LA	60.77	46.20	2.95
3270	CECERT-LA	60.86	46.22	2.95
3271				

time (s)	route	speed (mph)	distance (mi)	grade (%)
3433	CECERT-LA	63.59	49.26	-0.50
3434	CECERT-LA	64.33	49.28	-0.50
3435	CECERT-LA	65.15	49.30	-0.50
3436	CECERT-LA	65.84	49.31	-0.50
3437	CECERT-LA	66.50	49.33	-0.50
3438	CECERT-LA	67.19	49.35	-1.85
3439	CECERT-LA	67.69	49.37	-1.85
3440	CECERT-LA	68.33	49.39	-1.85
3441	CECERT-LA	68.76	49.41	-1.85
3442	CECERT-LA	69.02	49.43	-1.85
3443	CECERT-LA	68.19	49.44	0.85
3444	CECERT-LA	67.42	49.46	0.02
3445	CECERT-LA	66.68	49.48	0.02
3446	CECERT-LA	66.85	49.50	0.02
3447	CECERT-LA	67.59	49.52	0.02
3448	CECERT-LA	68.55	49.54	0.02
3449	CECERT-LA	69.14	49.56	0.24
3450	CECERT-LA	69.58	49.57	0.24
3451	CECERT-LA	70.04	49.59	0.24
3452	CECERT-LA	70.34	49.61	0.24
3453	CECERT-LA	70.63	49.63	0.24
3454	CECERT-LA	69.87	49.65	0.98
3455	CECERT-LA	69.09	49.67	0.98
3456	CECERT-LA	69.15	49.69	0.98
3457	CECERT-LA	69.28	49.71	0.98
3458	CECERT-LA	69.53	49.73	0.98
3459	CECERT-LA	69.87	49.75	0.98
3460	CECERT-LA	70.40	49.77	-0.46
3461	CECERT-LA	70.97	49.79	-0.46
3462	CECERT-LA	71.44	49.81	-0.46
3463	CECERT-LA	71.74	49.83	-0.46
3464	CECERT-LA	71.15	49.85	-0.46
3465	CECERT-LA	70.24	49.86	3.61
3466	CECERT-LA	70.13	49.88	3.61
3467	CECERT-LA	69.86	49.90	3.61
3468	CECERT-LA	69.90	49.92	3.61
3469	CECERT-LA	69.93	49.94	3.61
3470	CECERT-LA	69.99	49.96	1.94
3471	CECERT-LA	70.11	49.98	1.94
3472	CECERT-LA	70.13	50.00	1.94
3473	CECERT-LA	70.04	50.02	1.94
3474	CECERT-LA	70.09	50.04	1.94
3475	CECERT-LA	70.16	50.06	0.90
3476	CECERT-LA	69.95	50.08	0.90
3477	CECERT-LA	69.72	50.10	0.90
3478	CECERT-LA	68.84	50.11	0.90
3479	CECERT-LA	67.57	50.13	0.90
3480	CECERT-LA	66.17	50.15	0.90
3481	CECERT-LA	65.44	50.17	0.01
3482	CECERT-LA	65.50	50.19	0.01
3483	CECERT-LA	65.62	50.21	0.01
3484	CECERT-LA	65.59	50.22	0.01
3485	CECERT-LA	65.30	50.24	0.01
3486	CECERT-LA	64.61	50.26	-1.66
3487	CECERT-LA	65.05	50.28	-1.66
3488	CECERT-LA	65.45	50.29	-1.66
3489	CECERT-LA	66.05	50.31	-1.66
3490	CECERT-LA	66.16	50.33	-1.66
3491	CECERT-LA	66.68	50.35	-1.66
3492	CECERT-LA	65.16	50.37	-1.32
3493	CECERT-LA	64.50	50.39	-1.32
3494	CECERT-LA	63.97	50.40	-1.32
3495	CECERT-LA	63.45	50.42	-1.32
3496	CECERT-LA	63.32	50.44	-1.32
3497	CECERT-LA	64.07	50.46	-0.83
3498	CECERT-LA	65.05	50.47	-0.83
3499	CECERT-LA	66.11	50.49	-0.83
3500	CECERT-LA	67.07	50.51	-0.83
3501	CECERT-LA	68.18	50.53	-0.83
3502	CECERT-LA	69.03	50.55	-0.83
3503	CECERT-LA	69.59	50.57	1.31
3504	CECERT-LA	70.00	50.59	1.31
3505	CECERT-LA	70.19	50.60	1.31
3506	CECERT-LA	70.26	50.62	1.31
3507	CECERT-LA	70.01	50.64	1.31
3508	CECERT-LA	69.72	50.66	1.77
3509	CECERT-LA	69.41	50.68	1.77
3510	CECERT-LA	69.39	50.70	1.77

time (s)	route	speed (mph)	distance (mi)	grade (%)
3589	CECERT-LA	55.50	52.18	-0.18
3590	CECERT-LA	56.78	52.19	-0.18
3591	CECERT-LA	57.87	52.21	-0.18
3592	CECERT-LA	59.02	52.23	-0.18
3593	CECERT-LA	60.09	52.24	-0.18
3594	CECERT-LA	61.27	52.26	-0.43
3595	CECERT-LA	62.18	52.28	-0.43
3596	CECERT-LA	63.22	52.29	-0.43
3597	CECERT-LA	63.32	52.31	-0.43
3598	CECERT-LA	62.39	52.33	-0.43
3599	CECERT-LA	61.96	52.35	-0.43
3600	CECERT-LA	62.30	52.36	0.08
3601	CECERT-LA	62.64	52.38	0.08
3602	CECERT-LA	62.72	52.40	0.08
3603	CECERT-LA	61.90	52.41	0.08
3604	CECERT-LA	62.24	52.43	0.08
3605	CECERT-LA	61.97	52.45	0.08
3606	CECERT-LA	60.71	52.47	-0.68
3607	CECERT-LA	59.80	52.48	-0.68
3608	CECERT-LA	59.10	52.50	-0.68
3609	CECERT-LA	58.88	52.51	-0.68
3610	CECERT-LA	58.84	52.53	-0.68
3611	CECERT-LA	58.51	52.55	-0.68
3612	CECERT-LA	57.74	52.56	-0.03
3613	CECERT-LA	56.85	52.58	0.03
3614	CECERT-LA	56.07	52.59	0.03
3615	CECERT-LA	55.34	52.61	0.03
3616	CECERT-LA	54.77	52.62	0.03
3617	CECERT-LA	55.11	52.64	0.03
3618	CECERT-LA	56.00	52.65	-0.21
3619	CECERT-LA	57.00	52.67	-0.21
3620	CECERT-LA	58.34	52.69	-0.21
3621	CECERT-LA	59.33	52.70	-0.21
3622	CECERT-LA	59.84	52.72	-0.21
3623	CECERT-LA	60.03	52.73	-0.21
3624	CECERT-LA	60.27	52.75	0.90
3625	CECERT-LA	60.66	52.77	0.90
3626	CECERT-LA	60.84	52.78	0.90
3627	CECERT-LA	60.72	52.80	0.90
3628	CECERT-LA	60.29	52.82	0.90
3629	CECERT-LA	59.62	52.83	0.90
3630	CECERT-LA	59.59	52.85	1.30
3631	CECERT-LA	58.53	52.87	1.30
3632	CECERT-LA	57.51	52.88	1.30
3633	CECERT-LA	56.45	52.90	1.30
3634	CECERT-LA	56.25	52.91	1.30
3635	CECERT-LA	56.53	52.93	1.30
3636	CECERT-LA	56.87	52.94	1.30
3637	CECERT-LA	57.56	52.96	-0.74
3638	CECERT-LA	57.87	52.98	-0.74
3639	CECERT-LA	57.56	52.99	-0.74
3640	CECERT-LA	56.64	53.01	-0.74
3641	CECERT-LA	55.70	53.02	-0.74
3642	CECERT-LA	54.77	53.04	-0.74
3643	CECERT-LA	54.05	53.05	-0.49
3644	CECERT-LA	53.59	53.07	-0.49
3645	CECERT-LA	53.17	53.08	-0.49
3646	CECERT-LA	52.33	53.10	-0.49
3647	CECERT-LA	50.66	53.11	-0.49
3648	CECERT-LA	48.30	53.12	-0.49
3649	CECERT-LA	44.91	53.14	-0.49
3650	CECERT-LA	41.25	53.15	-0.49
3651	CECERT-LA	37.58	53.16	-2.58
3652	CECERT-LA	33.85	53.17	-2.58
3653	CECERT-LA	30.68	53.18	-2.58
3654	CECERT-LA	28.47	53.18	-2.58
3655	CECERT-LA	26.66	53.19	-2.58
3656	CECERT-LA	24.76	53.20	-2.58
3657	CECERT-LA	23.16	53.20	-2.58
3658	CECERT-LA	20.60	53.21	-2.58
3659	CECERT-LA	18.54	53.22	-2.58
3660	CECERT-LA	16.78	53.22	-2.58
3661	CECERT-LA	15.11	53.22	-2.58
3662	CECERT-LA	13.57	53.23	-2.58
3663	CECERT-LA	12.16	53.23	-2.58
3664	CECERT-LA	11.07	53.23	-2.58
3665	CECERT-LA	13.47	53.24	-2.58
3666	CECERT-LA	13.74	53.24	-2.58

time (s)	route	speed (mph)	distance (mi)	grade (%)
3511	CECERT-LA	69.37	50.72	1.77
3512	CECERT-LA	69.39	50.74	1.77
3513	CECERT-LA	69.33	50.76	1.59
3514	CECERT-LA	69.07	50.78	1.59
3515	CECERT-LA	68.80	50.80	1.59
3516	CECERT-LA	68.89	50.81	1.59
3517	CECERT-LA	68.84	50.83	1.59
3518	CECERT-LA	68.85	50.85	-1.00
3519	CECERT-LA	68.84	50.87	-1.00
3520	CECERT-LA	68.81	50.89	-1.00
3521	CECERT-LA	68.63	50.91	-1.00
3522	CECERT-LA	69.11	50.93	-1.00
3523	CECERT-LA	69.19	50.95	-1.00
3524	CECERT-LA	69.40	50.97	-0.56
3525	CECERT-LA	69.75	50.99	0.56
3526	CECERT-LA	70.07	51.01	0.56
3527	CECERT-LA	70.33	51.02	0.56
3528	CECERT-LA	70.50	51.04	0.56
3529	CECERT-LA	70.84	51.06	-0.66
3530	CECERT-LA	71.22	51.08	-0.66
3531	CECERT-LA	71.63	51.10	-0.66
3532	CECERT-LA	72.20	51.12	-0.66
3533	CECERT-LA	72.61	51.14	-0.66
3534	CECERT-LA	73.10	51.16	-1.41
3535	CECERT-LA	73.64	51.18	-1.41
3536	CECERT-LA	74.16	51.20	-1.41
3537	CECERT-LA	74.68	51.22	-1.41
3538	CECERT-LA	75.19	51.24	-1.41
3539	CECERT-LA	75.56	51.27	-0.88
3540	CECERT-LA	75.89	51.29	-0.88
3541	CECERT-LA	76.12	51.31	-0.88
3542	CECERT-LA	76.22	51.33	-0.88
3543	CECERT-LA	75.33	51.35	-0.88
3544	CECERT-LA	74.56	51.37	-6.41
3545	CECERT-LA	74.12	51.39	-6.41
3546	CECERT-LA	74.12	51.41	-6.41
3547	CECERT-LA	73.88	51.43	-6.41
3548	CECERT-LA	73.67	51.45	-2.34
3549	CECERT-LA	73.02	51.47	-2.34
3550	CECERT-LA	72.54	51.49	-2.34
3551	CECERT-LA	71.56	51.51	-2.34
3552	CECERT-LA	71.23	51.53	-2.34
3553	CECERT-LA	70.44	51.55	-2.34
3554	CECERT-LA	69.96	51.57	-2.57
3555	CECERT-LA	70.17	51.59	-2.57
3556	CECERT-LA	70.39	51.61	-2.57
3557	CECERT-LA	70.52	51.63	-2.57
3558	CECERT-LA	70.75	51.65	-2.57
3559	CECERT-LA	70.15	51.66	4.11
3560	CECERT-LA	69.29	51.68	4.11
3561	CECERT-LA	69.75	51.70	4.11
3562	CECERT-LA	70.08	51.72	4.11
3563	CECERT-LA	70.35	51.74	4.11
3564	CECERT-LA	70.46	51.76	1.25
3565	CECERT-LA	70.54	51.78	1.25
3566	CECERT-LA	70.35	51.80	1.25
3567	CECERT-LA	69.30	51.82	1.25
3568	CECERT-LA	68.09	51.84	-1.25
3569	CECERT-LA	66.99	51.86	1.12
3570	CECERT-LA	65.92	51.87	1.12
3571	CECERT-LA	64.87	51.89	1.12
3572	CECERT-LA	63.80	51.91	1.12
3573	CECERT-LA	62.50	51.93	1.12
3574	CECERT-LA	61.17	51.94	1.12
3575	CECERT-LA	60.11	51.96	0.34
3576	CECERT-LA	59.44	51.98	0.34
3577	CECERT-LA	59.57	51.99	0.34
3578	CECERT-LA	59.59	52.01	0.34
3579	CECERT-LA	59.10	52.03	0.34
3580	CECERT-LA	58.68	52.04	0.34
3581	CECERT-LA	57.93	52.06	0.20
3582	CECERT-LA	57.03	52.07	0.20
3583				

time (s)	route	speed (mph)	distance (mi)	grade (%)
3745	CECERT-LA	11.05	53.43	-1.44
3746	CECERT-LA	11.03	53.43	-1.44
3747	CECERT-LA	10.64	53.43	-1.44
3748	CECERT-LA	9.49	53.44	-1.44
3749	CECERT-LA	8.22	53.44	-1.44
3750	CECERT-LA	6.68	53.44	-1.44
3751	CECERT-LA	5.11	53.44	-1.44
3752	CECERT-LA	4.60	53.44	-1.44
3753	CECERT-LA	5.36	53.44	-1.44
3754	CECERT-LA	8.70	53.45	-1.44
3755	CECERT-LA	11.40	53.45	-1.47
3756	CECERT-LA	11.47	53.45	-1.47
3757	CECERT-LA	11.52	53.46	-1.47
3758	CECERT-LA	11.34	53.46	-1.47
3759	CECERT-LA	10.64	53.46	-1.47
3760	CECERT-LA	10.02	53.47	-1.47
3761	CECERT-LA	9.39	53.47	-1.47
3762	CECERT-LA	10.97	53.47	-1.47
3763	CECERT-LA	13.13	53.47	-1.47
3764	CECERT-LA	15.23	53.48	-1.47
3765	CECERT-LA	15.70	53.48	-1.47
3766	CECERT-LA	14.70	53.49	-1.47
3767	CECERT-LA	12.97	53.49	-1.47
3768	CECERT-LA	11.14	53.49	-1.47
3769	CECERT-LA	9.63	53.50	-1.47
3770	CECERT-LA	9.31	53.50	-1.47
3771	CECERT-LA	10.97	53.50	-1.47
3772	CECERT-LA	11.61	53.51	-1.47
3773	CECERT-LA	13.34	53.51	-1.47
3774	CECERT-LA	15.22	53.51	-1.47
3775	CECERT-LA	16.60	53.52	-1.47
3776	CECERT-LA	17.69	53.52	-1.47
3777	CECERT-LA	19.66	53.53	-1.47
3778	CECERT-LA	21.09	53.53	-1.47
3779	CECERT-LA	22.04	53.54	-1.47
3780	CECERT-LA	21.91	53.55	-1.47
3781	CECERT-LA	21.74	53.55	1.56
3782	CECERT-LA	22.95	53.56	1.56
3783	CECERT-LA	24.31	53.56	1.56
3784	CECERT-LA	24.91	53.57	1.56
3785	CECERT-LA	24.48	53.58	1.56
3786	CECERT-LA	23.37	53.58	1.56
3787	CECERT-LA	21.75	53.59	1.56
3788	CECERT-LA	19.84	53.60	1.56
3789	CECERT-LA	17.79	53.60	1.56
3790	CECERT-LA	15.90	53.61	1.56
3791	CECERT-LA	15.87	53.61	1.56
3792	CECERT-LA	17.22	53.61	1.56
3793	CECERT-LA	19.96	53.62	1.56
3794	CECERT-LA	22.05	53.63	1.56
3795	CECERT-LA	23.99	53.63	1.56
3796	CECERT-LA	25.52	53.64	1.56
3797	CECERT-LA	26.71	53.65	1.56
3798	CECERT-LA	27.47	53.65	0.54
3799	CECERT-LA	28.39	53.66	0.54
3800	CECERT-LA	29.37	53.67	0.54
3801	CECERT-LA	30.27	53.68	0.54
3802	CECERT-LA	31.03	53.69	0.54
3803	CECERT-LA	31.91	53.70	0.54
3804	CECERT-LA	32.59	53.71	0.54
3805	CECERT-LA	32.97	53.71	0.54
3806	CECERT-LA	32.63	53.72	0.54
3807	CECERT-LA	31.25	53.73	0.54
3808	CECERT-LA	29.34	53.74	0.54
3809	CECERT-LA	27.38	53.75	0.54
3810	CECERT-LA	24.88	53.75	-2.76
3811	CECERT-LA	23.82	53.76	-2.76
3812	CECERT-LA	23.61	53.77	-2.76
3813	CECERT-LA	24.06	53.77	-2.76
3814	CECERT-LA	24.35	53.78	-2.76
3815	CECERT-LA	24.42	53.79	-2.76
3816	CECERT-LA	24.19	53.79	-2.76
3817	CECERT-LA	24.26	53.80	-2.76
3818	CECERT-LA	25.25	53.81	-2.76
3819	CECERT-LA	26.67	53.81	-2.76
3820	CECERT-LA	27.28	53.82	-2.76
3821	CECERT-LA	27.20	53.83	-2.76
3822	CECERT-LA	27.18	53.84	-2.76

time (s)	route	speed (mph)	distance (mi)	grade (%)
3901	CECERT-LA	17.15	54.36	2.56
3902	CECERT-LA	18.15	54.37	2.56
3903	CECERT-LA	20.09	54.37	2.56
3904	CECERT-LA	21.66	54.38	2.56
3905	CECERT-LA	22.23	54.39	2.56
3906	CECERT-LA	21.57	54.39	2.56
3907	CECERT-LA	21.61	54.40	2.56
3908	CECERT-LA	22.58	54.40	2.56
3909	CECERT-LA	23.32	54.41	2.56
3910	CECERT-LA	23.21	54.42	2.56
3911	CECERT-LA	22.73	54.42	2.56
3912	CECERT-LA	23.56	54.43	2.56
3913	CECERT-LA	24.14	54.44	2.56
3914	CECERT-LA	24.13	54.44	2.56
3915	CECERT-LA	24.37	54.45	2.56
3916	CECERT-LA	23.98	54.46	-0.38
3917	CECERT-LA	23.53	54.46	-0.38
3918	CECERT-LA	22.86	54.47	-0.38
3919	CECERT-LA	22.05	54.47	-0.38
3920	CECERT-LA	22.15	54.48	-0.38
3921	CECERT-LA	24.64	54.49	-0.38
3922	CECERT-LA	25.69	54.49	-0.38
3923	CECERT-LA	26.13	54.50	-0.38
3924	CECERT-LA	26.95	54.51	-0.38
3925	CECERT-LA	28.62	54.52	-0.38
3926	CECERT-LA	29.92	54.52	-0.38
3927	CECERT-LA	29.67	54.53	-0.38
3928	CECERT-LA	29.23	54.54	-0.38
3929	CECERT-LA	28.15	54.55	-0.38
3930	CECERT-LA	27.05	54.56	0.08
3931	CECERT-LA	27.13	54.56	0.08
3932	CECERT-LA	28.64	54.57	0.08
3933	CECERT-LA	29.95	54.58	0.08
3934	CECERT-LA	31.30	54.59	0.08
3935	CECERT-LA	31.25	54.60	0.08
3936	CECERT-LA	31.35	54.61	0.08
3937	CECERT-LA	32.58	54.61	0.08
3938	CECERT-LA	33.67	54.62	0.08
3939	CECERT-LA	34.67	54.63	0.08
3940	CECERT-LA	34.21	54.64	0.08
3941	CECERT-LA	33.60	54.65	0.15
3942	CECERT-LA	32.86	54.66	0.15
3943	CECERT-LA	31.06	54.67	0.15
3944	CECERT-LA	28.68	54.68	0.15
3945	CECERT-LA	26.52	54.68	0.15
3946	CECERT-LA	25.19	54.69	0.15
3947	CECERT-LA	24.31	54.70	0.15
3948	CECERT-LA	24.85	54.70	0.15
3949	CECERT-LA	26.26	54.71	0.15
3950	CECERT-LA	27.82	54.72	0.15
3951	CECERT-LA	29.39	54.73	0.15
3952	CECERT-LA	30.72	54.74	0.15
3953	CECERT-LA	31.52	54.74	0.15
3954	CECERT-LA	32.36	54.75	-0.52
3955	CECERT-LA	33.17	54.76	-0.52
3956	CECERT-LA	34.24	54.77	-0.52
3957	CECERT-LA	34.73	54.78	-0.52
3958	CECERT-LA	34.91	54.79	-0.52
3959	CECERT-LA	35.63	54.80	-0.52
3960	CECERT-LA	36.44	54.81	-0.52
3961	CECERT-LA	36.83	54.82	-0.52
3962	CECERT-LA	37.25	54.83	-0.52
3963	CECERT-LA	38.12	54.84	-0.52
3964	CECERT-LA	39.08	54.85	-0.25
3965	CECERT-LA	39.67	54.86	-0.25
3966	CECERT-LA	39.34	54.87	-0.25
3967	CECERT-LA	39.85	54.89	-0.25
3968	CECERT-LA	40.86	54.90	-0.25
3969	CECERT-LA	41.84	54.91	-0.25
3970	CECERT-LA	41.84	54.92	-0.25
3971	CECERT-LA	41.42	54.93	-0.25
3972	CECERT-LA	40.83	54.94	-0.25
3973	CECERT-LA	40.31	54.95	-0.18
3974	CECERT-LA	39.71	54.96	-0.18
3975	CECERT-LA	38.72	54.98	-0.18
3976	CECERT-LA	37.26	54.99	-0.18
3977	CECERT-LA	35.69	55.00	-0.18
3978	CECERT-LA	34.89	55.00	-0.18

time (s)	route	speed (mph)	distance (mi)	grade (%)
3823	CECERT-LA	26.94	53.84	-2.76
3824	CECERT-LA	26.08	53.85	0.62
3825	CECERT-LA	24.84	53.86	0.62
3826	CECERT-LA	23.42	53.87	0.62
3827	CECERT-LA	23.10	53.87	0.62
3828	CECERT-LA	23.01	53.88	0.62
3829	CECERT-LA	22.98	53.88	0.62
3830	CECERT-LA	22.87	53.89	0.62
3831	CECERT-LA	22.81	53.90	0.62
3832	CECERT-LA	23.91	53.90	0.62
3833	CECERT-LA	24.67	53.91	0.62
3834	CECERT-LA	25.61	53.92	0.62
3835	CECERT-LA	25.70	53.92	0.62
3836	CECERT-LA	26.13	53.93	0.62
3837	CECERT-LA	27.68	53.94	0.62
3838	CECERT-LA	29.12	53.95	0.62
3839	CECERT-LA	30.60	53.96	-0.23
3840	CECERT-LA	31.57	53.96	-0.23
3841	CECERT-LA	31.46	53.97	-0.23
3842	CECERT-LA	32.05	53.98	-0.23
3843	CECERT-LA	32.21	53.99	-0.23
3844	CECERT-LA	33.56	54.00	-0.23
3845	CECERT-LA	32.82	54.01	-0.23
3846	CECERT-LA	31.86	54.02	-0.23
3847	CECERT-LA	30.76	54.03	-0.23
3848	CECERT-LA	30.07	54.03	-0.23
3849	CECERT-LA	29.54	54.04	-0.23
3850	CECERT-LA	29.54	54.05	-0.23
3851	CECERT-LA	28.57	54.06	-0.23
3852	CECERT-LA	27.17	54.07	-0.23
3853	CECERT-LA	25.60	54.07	-0.23
3854	CECERT-LA	24.64	54.08	-0.23
3855	CECERT-LA	23.12	54.09	-0.23
3856	CECERT-LA	19.82	54.09	-0.23
3857	CECERT-LA	16.23	54.10	-0.23
3858	CECERT-LA	13.11	54.10	-0.23
3859	CECERT-LA	10.56	54.10	-0.23
3860	CECERT-LA	9.86	54.11	-0.23
3861	CECERT-LA	10.49	54.11	-0.23
3862	CECERT-LA	12.45	54.11	-0.23
3863	CECERT-LA	14.84	54.12	-0.23
3864	CECERT-LA	17.38	54.12	-0.23
3865	CECERT-LA	19.86	54.13	-0.23
3866	CECERT-LA	22.47	54.13	-0.23
3867	CECERT-LA	24.98	54.14	-0.23
3868	CECERT-LA	27.24	54.15	-0.23
3869	CECERT-LA	29.10	54.15	-3.46
3870	CECERT-LA	30.31	54.16	-3.46
3871	CECERT-LA	30.18	54.17	-3.46
3872	CECERT-LA	29.71	54.18	-3.46
3873	CECERT-LA	30.77	54.19	-3.46
3874	CECERT-LA	31.88	54.20	-3.46
3875	CECERT-LA	31.99	54.21	-3.46
3876	CECERT-LA	30.86	54.21	-3.46
3877	CECERT-LA	29.61	54.22	-3.46
3878	CECERT-LA	28.36	54.23	-3.46
3879	CECERT-LA	26.69	54.24	-3.46
3880	CECERT-LA	24.69	54.24	-3.46
3881	CECERT-LA	22.61	54.25	-2.87
3882	CECERT-LA	21.39	54.26	-2.87
3883	CECERT-LA	20.88	54.26	-2.87
3884	CECERT-LA	21.47	54.27	-2.87
3885	CECERT-LA	21.94	54.27	-2.87
3886	CECERT-LA	22.07	54.28	-2.87
3887	CECERT-LA	21.83	54.29	-2.87
3888	CECERT-LA	21.49	54.29	-2.87
3889	CECERT-LA	21.12	54.30	-2.87
3890	CECERT-LA	20.39	54.30	-2.87
3891	CECERT-LA	18.73	54.31	-2.87
3892	CECERT-LA	17.73	54.31	-2.87
3893	CECERT-LA	17.84	54.32	-2.87
3894	CECERT-LA	19.60	54.32	-2.87
3895	CECERT-LA			

time (s)	route	speed (mph)	distance (mi)	grade (%)
4057	CECERT-LA	33.09	55.84	0.05
4058	CECERT-LA	33.78	55.85	0.05
4059	CECERT-LA	33.92	55.86	-0.08
4060	CECERT-LA	33.82	55.87	-0.08
4061	CECERT-LA	34.58	55.88	-0.08
4062	CECERT-LA	35.40	55.89	-0.08
4063	CECERT-LA	36.17	55.90	-0.08
4064	CECERT-LA	36.71	55.91	-0.08
4065	CECERT-LA	36.17	55.92	-0.08
4066	CECERT-LA	36.00	55.93	-0.08
4067	CECERT-LA	35.83	55.94	-0.08
4068	CECERT-LA	35.09	55.95	-0.08
4069	CECERT-LA	33.75	55.96	-0.19
4070	CECERT-LA	32.26	55.96	-0.19
4071	CECERT-LA	30.51	55.97	-0.19
4072	CECERT-LA	28.91	55.98	-0.19
4073	CECERT-LA	28.29	55.99	-0.19
4074	CECERT-LA	28.51	56.00	-0.19
4075	CECERT-LA	28.90	56.00	-0.19
4076	CECERT-LA	27.90	56.01	-0.19
4077	CECERT-LA	25.52	56.02	-0.19
4078	CECERT-LA	22.84	56.02	-0.19
4079	CECERT-LA	20.19	56.03	-0.19
4080	CECERT-LA	18.04	56.04	-0.19
4081	CECERT-LA	17.78	56.04	-0.19
4082	CECERT-LA	18.91	56.05	-0.19
4083	CECERT-LA	19.78	56.05	-0.15
4084	CECERT-LA	19.00	56.06	-0.15
4085	CECERT-LA	16.45	56.06	-0.15
4086	CECERT-LA	14.78	56.06	-0.15
4087	CECERT-LA	14.60	56.07	-0.15
4088	CECERT-LA	14.21	56.07	-0.15
4089	CECERT-LA	14.42	56.08	-0.15
4090	CECERT-LA	15.07	56.08	-0.15
4091	CECERT-LA	15.38	56.08	-0.15
4092	CECERT-LA	15.84	56.09	-0.15
4093	CECERT-LA	16.38	56.09	-0.15
4094	CECERT-LA	17.15	56.10	-0.15
4095	CECERT-LA	18.00	56.10	-0.15
4096	CECERT-LA	19.02	56.11	-0.15
4097	CECERT-LA	20.24	56.11	-0.15
4098	CECERT-LA	21.49	56.12	-0.15
4099	CECERT-LA	21.34	56.13	-0.15
4100	CECERT-LA	21.36	56.13	-0.15
4101	CECERT-LA	21.74	56.14	-0.15
4102	CECERT-LA	21.27	56.14	-0.15
4103	CECERT-LA	21.59	56.15	-0.15
4104	CECERT-LA	21.42	56.16	-0.15
4105	CECERT-LA	21.58	56.16	-0.22
4106	CECERT-LA	22.83	56.17	-0.22
4107	CECERT-LA	24.34	56.17	-0.22
4108	CECERT-LA	26.42	56.18	-0.22
4109	CECERT-LA	26.40	56.19	-0.22
4110	CECERT-LA	27.44	56.20	-0.22
4111	CECERT-LA	28.42	56.20	-0.22
4112	CECERT-LA	29.56	56.21	-0.22
4113	CECERT-LA	30.30	56.22	-0.22
4114	CECERT-LA	29.31	56.23	-0.22
4115	CECERT-LA	30.34	56.24	-0.22
4116	CECERT-LA	31.19	56.25	-0.22
4117	CECERT-LA	32.20	56.25	0.09
4118	CECERT-LA	32.42	56.26	0.09
4119	CECERT-LA	32.02	56.27	0.09
4120	CECERT-LA	31.41	56.28	0.09
4121	CECERT-LA	31.57	56.29	0.09
4122	CECERT-LA	32.39	56.30	0.09
4123	CECERT-LA	32.93	56.31	0.09
4124	CECERT-LA	32.40	56.32	0.09
4125	CECERT-LA	31.71	56.33	0.09
4126	CECERT-LA	30.40	56.33	0.09
4127	CECERT-LA	28.90	56.34	0.09
4128	CECERT-LA	27.18	56.35	0.09
4129	CECERT-LA	25.74	56.36	-0.35
4130	CECERT-LA	25.24	56.36	-0.35
4131	CECERT-LA	25.56	56.37	-0.35
4132	CECERT-LA	25.99	56.38	-0.35
4133	CECERT-LA	26.98	56.38	-0.35
4134	CECERT-LA	28.09	56.39	-0.35

time (s)	route	speed (mph)	distance (mi)	grade (%)
4213	CECERT-LA	45.30	57.21	-0.08
4214	CECERT-LA	45.64	57.22	-0.08
4215	CECERT-LA	45.43	57.24	-0.08
4216	CECERT-LA	45.48	57.25	-0.08
4217	CECERT-LA	45.99	57.26	0.92
4218	CECERT-LA	46.55	57.27	0.92
4219	CECERT-LA	46.44	57.29	0.92
4220	CECERT-LA	46.95	57.30	0.92
4221	CECERT-LA	45.56	57.31	0.92
4222	CECERT-LA	45.07	57.32	0.92
4223	CECERT-LA	43.88	57.34	0.92
4224	CECERT-LA	42.49	57.35	0.92
4225	CECERT-LA	41.03	57.36	-0.16
4226	CECERT-LA	40.69	57.37	-0.16
4227	CECERT-LA	40.69	57.38	-0.16
4228	CECERT-LA	41.57	57.39	-0.16
4229	CECERT-LA	42.27	57.40	-0.16
4230	CECERT-LA	42.20	57.42	-0.16
4231	CECERT-LA	42.00	57.43	-0.16
4232	CECERT-LA	41.85	57.44	-0.16
4233	CECERT-LA	41.76	57.45	-0.16
4234	CECERT-LA	41.95	57.46	-0.17
4235	CECERT-LA	41.99	57.47	-0.17
4236	CECERT-LA	42.92	57.49	-0.17
4237	CECERT-LA	43.34	57.50	-0.17
4238	CECERT-LA	43.86	57.51	-0.17
4239	CECERT-LA	45.18	57.52	-0.17
4240	CECERT-LA	46.94	57.53	-0.17
4241	CECERT-LA	49.00	57.55	-0.17
4242	CECERT-LA	50.99	57.56	0.62
4243	CECERT-LA	52.36	57.58	0.62
4244	CECERT-LA	53.48	57.59	0.62
4245	CECERT-LA	54.58	57.61	0.62
4246	CECERT-LA	55.67	57.62	0.62
4247	CECERT-LA	56.08	57.64	0.62
4248	CECERT-LA	55.98	57.65	-1.51
4249	CECERT-LA	54.41	57.67	-1.51
4250	CECERT-LA	52.19	57.68	-1.51
4251	CECERT-LA	50.00	57.70	-1.51
4252	CECERT-LA	48.94	57.71	-1.51
4253	CECERT-LA	49.36	57.72	-1.51
4254	CECERT-LA	50.28	57.74	-1.51
4255	CECERT-LA	51.54	57.75	-0.11
4256	CECERT-LA	52.47	57.76	-0.11
4257	CECERT-LA	53.15	57.78	-0.11
4258	CECERT-LA	53.77	57.79	-0.11
4259	CECERT-LA	54.40	57.81	-0.11
4260	CECERT-LA	54.89	57.82	-0.11
4261	CECERT-LA	55.23	57.84	-0.11
4262	CECERT-LA	54.66	57.85	-0.53
4263	CECERT-LA	54.45	57.87	-0.53
4264	CECERT-LA	54.95	57.88	-0.53
4265	CECERT-LA	55.64	57.90	-0.53
4266	CECERT-LA	56.45	57.92	-0.53
4267	CECERT-LA	57.26	57.93	-0.53
4268	CECERT-LA	57.61	57.95	-0.53
4269	CECERT-LA	57.26	57.96	1.51
4270	CECERT-LA	57.20	57.98	1.51
4271	CECERT-LA	57.52	57.99	1.51
4272	CECERT-LA	57.34	58.01	1.51
4273	CECERT-LA	57.00	58.03	1.51
4274	CECERT-LA	56.63	58.04	1.51
4275	CECERT-LA	54.65	58.06	-2.97
4276	CECERT-LA	51.78	58.07	-2.97
4277	CECERT-LA	48.41	58.08	-2.97
4278	CECERT-LA	45.76	58.10	-2.97
4279	CECERT-LA	43.28	58.11	-2.97
4280	CECERT-LA	40.82	58.12	-2.97
4281	CECERT-LA	38.76	58.13	-2.97
4282	CECERT-LA	32.85	58.14	-2.97
4283	CECERT-LA	29.80	58.15	-2.97
4284	CECERT-LA	27.63	58.15	0.49
4285	CECERT-LA	25.72	58.16	0.49
4286	CECERT-LA	24.78	58.17	0.49
4287	CECERT-LA	24.51	58.17	0.49
4288	CECERT-LA	23.54	58.18	0.49
4289	CECERT-LA	21.69	58.19	0.49
4290	CECERT-LA	19.21	58.19	0.49

time (s)	route	speed (mph)	distance (mi)	grade (%)
4135	CECERT-LA	29.31	56.40	-0.35
4136	CECERT-LA	30.85	56.41	-0.35
4137	CECERT-LA	32.36	56.42	-0.35
4138	CECERT-LA	33.66	56.43	-0.35
4139	CECERT-LA	34.69	56.44	-0.35
4140	CECERT-LA	34.26	56.45	-0.35
4141	CECERT-LA	33.57	56.46	-0.17
4142	CECERT-LA	32.86	56.46	-0.17
4143	CECERT-LA	32.08	56.47	-0.17
4144	CECERT-LA	31.23	56.48	-0.17
4145	CECERT-LA	30.41	56.49	-0.17
4146	CECERT-LA	29.00	56.50	-0.17
4147	CECERT-LA	27.28	56.51	-0.17
4148	CECERT-LA	25.45	56.51	-0.17
4149	CECERT-LA	23.65	56.52	-0.17
4150	CECERT-LA	22.18	56.52	-0.17
4151	CECERT-LA	21.73	56.53	-0.17
4152	CECERT-LA	22.41	56.54	-0.17
4153	CECERT-LA	23.76	56.54	-0.17
4154	CECERT-LA	25.09	56.55	-0.36
4155	CECERT-LA	25.40	56.56	-0.36
4156	CECERT-LA	25.49	56.56	-0.36
4157	CECERT-LA	26.49	56.57	-0.36
4158	CECERT-LA	27.64	56.58	-0.36
4159	CECERT-LA	28.88	56.59	-0.36
4160	CECERT-LA	30.41	56.60	-0.36
4161	CECERT-LA	31.88	56.60	-0.36
4162	CECERT-LA	33.47	56.61	-0.36
4163	CECERT-LA	34.97	56.62	-0.36
4164	CECERT-LA	36.07	56.63	-0.36
4165	CECERT-LA	36.64	56.64	-0.36
4166	CECERT-LA	35.35	56.65	-0.39
4167	CECERT-LA	35.54	56.66	-0.39
4168	CECERT-LA	36.48	56.67	-0.39
4169	CECERT-LA	36.93	56.68	-0.39
4170	CECERT-LA	37.71	56.69	-0.39
4171	CECERT-LA	38.64	56.70	-0.39
4172	CECERT-LA	39.66	56.71	-0.39
4173	CECERT-LA	41.05	56.73	-0.39
4174	CECERT-LA	42.72	56.74	-0.39
4175	CECERT-LA	44.03	56.75	-0.39
4176	CECERT-LA	43.95	56.76	0.15
4177	CECERT-LA	43.70	56.77	0.15
4178	CECERT-LA	44.45	56.79	0.15
4179	CECERT-LA	44.84	56.80	0.15
4180	CECERT-LA	45.39	56.81	0.15
4181	CECERT-LA	46.01	56.82	0.15
4182	CECERT-LA	46.31	56.84	0.15
4183	CECERT-LA	45.88	56.85	0.15
4184	CECERT-LA	46.47	56.86	0.47
4185	CECERT-LA	46.62	56.87	0.47
4186	CECERT-LA	46.85	56.89	0.47
4187	CECERT-LA	45.03	56.90	0.47
4188	CECERT-LA	45.03	56.91	0.47
4189	CECERT-LA	44.61	56.92	0.47
4190	CECERT-LA	44.55	56.94	0.47
4191	CECERT-LA	44.73	56.95	0.47
4192	CECERT-LA	44.92	56.96	-1.60
4193	CECERT-LA	45.32	56.97	-1.60
4194	CECERT-LA	45.58	56.99	-1.60
4195	CECERT-LA	45.59	57.00	-1.60
4196	CECERT-LA	44.75	57.01	-1.60
4197	CECERT-LA	44.45	57.02	-1.60
4198	CECERT-LA	44.44	57.04	-1.60
4199	CECERT-LA	42.73	57.05	-1.60
4200	CECERT-LA	43.08	57.06	-0.61
4201	CECERT-LA	42.39	57.07	-0.61
4202	CECERT-LA	41.69	57.08	-0.61
4203	CECERT-LA	41.04	57.09	-0.61
4204	CECERT-LA	40.66	57.10	-0.61
4205	CECERT-LA	40.58	57.12	-0.61
4206	CECERT-LA	40.94	57.13	-0.61
4207				

time (s)	route	speed (mph)	distance (mi)	grade (%)
4369	CECERT-LA	20.79	58.56	-0.50
4370	CECERT-LA	23.28	58.57	-0.50
4371	CECERT-LA	25.52	58.58	-0.50
4372	CECERT-LA	27.42	58.58	-0.50
4373	CECERT-LA	29.35	58.59	-0.50
4374	CECERT-LA	31.15	58.60	-0.50
4375	CECERT-LA	32.93	58.61	-0.50
4376	CECERT-LA	34.29	58.62	-0.50
4377	CECERT-LA	35.41	58.63	-0.50
4378	CECERT-LA	36.61	58.64	-0.50
4379	CECERT-LA	37.62	58.65	-0.50
4380	CECERT-LA	38.60	58.66	-0.34
4381	CECERT-LA	38.56	58.67	-0.34
4382	CECERT-LA	38.54	58.68	-0.34
4383	CECERT-LA	38.42	58.69	-0.34
4384	CECERT-LA	37.99	58.70	-0.34
4385	CECERT-LA	38.36	58.71	-0.34
4386	CECERT-LA	37.85	58.72	-0.34
4387	CECERT-LA	37.99	58.73	-0.34
4388	CECERT-LA	37.41	58.74	-0.34
4389	CECERT-LA	37.84	58.75	-0.52
4390	CECERT-LA	38.55	58.76	-0.52
4391	CECERT-LA	39.22	58.77	-0.52
4392	CECERT-LA	39.58	58.79	-0.52
4393	CECERT-LA	39.05	58.80	-0.52
4394	CECERT-LA	38.21	58.81	-0.52
4395	CECERT-LA	36.53	58.82	-0.52
4396	CECERT-LA	34.70	58.83	-0.52
4397	CECERT-LA	32.53	58.83	-0.52
4398	CECERT-LA	30.05	58.84	-0.52
4399	CECERT-LA	28.38	58.85	-0.66
4400	CECERT-LA	26.35	58.86	-0.66
4401	CECERT-LA	25.91	58.87	-0.66
4402	CECERT-LA	25.62	58.87	-0.66
4403	CECERT-LA	25.41	58.88	-0.66
4404	CECERT-LA	25.19	58.89	-0.66
4405	CECERT-LA	24.96	58.89	-0.66
4406	CECERT-LA	25.26	58.90	-0.66
4407	CECERT-LA	25.43	58.91	-0.66
4408	CECERT-LA	24.40	58.91	-0.66
4409	CECERT-LA	22.18	58.92	-0.66
4410	CECERT-LA	19.86	58.93	-0.66
4411	CECERT-LA	18.92	58.93	-0.66
4412	CECERT-LA	18.93	58.94	-0.66
4413	CECERT-LA	19.73	58.94	-0.66
4414	CECERT-LA	20.72	58.95	-0.66
4415	CECERT-LA	21.32	58.95	-0.41
4416	CECERT-LA	21.46	58.96	-0.41
4417	CECERT-LA	20.93	58.96	-0.41
4418	CECERT-LA	19.34	58.97	-0.41
4419	CECERT-LA	17.59	58.97	-0.41
4420	CECERT-LA	15.86	58.98	-0.41
4421	CECERT-LA	13.61	58.98	-0.41
4422	CECERT-LA	10.62	58.99	-0.41
4423	CECERT-LA	6.82	58.99	-0.41
4424	CECERT-LA	3.50	58.99	-0.41
4425	CECERT-LA	1.83	58.99	-0.41
4426	CECERT-LA	2.55	58.99	-0.41
4427	CECERT-LA	3.60	58.99	-0.41
4428	CECERT-LA	6.19	58.99	-0.41
4429	CECERT-LA	9.42	58.99	-0.41
4430	CECERT-LA	11.62	59.00	-0.41
4431	CECERT-LA	11.90	59.00	-0.41
4432	CECERT-LA	11.70	59.00	-0.41
4433	CECERT-LA	10.42	59.01	-0.41
4434	CECERT-LA	7.93	59.01	-0.41
4435	CECERT-LA	4.79	59.01	-0.41
4436	CECERT-LA	2.53	59.01	-0.41
4437	CECERT-LA	1.16	59.01	-0.41
4438	CECERT-LA	1.82	59.01	-0.41
4439	CECERT-LA	2.41	59.01	-0.41
4440	CECERT-LA	2.37	59.01	-0.41
4441	CECERT-LA	3.34	59.01	-0.41
4442	CECERT-LA	5.28	59.02	-0.41
4443	CECERT-LA	8.43	59.02	-0.41
4444	CECERT-LA	10.76	59.02	-0.41
4445	CECERT-LA	11.96	59.02	-0.41
4446	CECERT-LA	12.42	59.03	-0.41

time (s)	route	speed (mph)	distance (mi)	grade (%)
4525	CECERT-LA	22.18	59.32	0.13
4526	CECERT-LA	24.48	59.32	0.13
4527	CECERT-LA	26.63	59.33	0.13
4528	CECERT-LA	28.50	59.34	0.13
4529	CECERT-LA	30.11	59.35	0.13
4530	CECERT-LA	31.59	59.36	0.34
4531	CECERT-LA	32.77	59.37	0.34
4532	CECERT-LA	33.82	59.38	0.34
4533	CECERT-LA	33.84	59.38	0.34
4534	CECERT-LA	32.97	59.39	0.34
4535	CECERT-LA	32.01	59.40	0.34
4536	CECERT-LA	30.26	59.41	0.34
4537	CECERT-LA	28.00	59.42	0.34
4538	CECERT-LA	25.48	59.43	0.34
4539	CECERT-LA	22.97	59.43	0.34
4540	CECERT-LA	20.33	59.44	0.34
4541	CECERT-LA	18.67	59.44	0.34
4542	CECERT-LA	19.03	59.45	0.34
4543	CECERT-LA	20.95	59.45	0.57
4544	CECERT-LA	23.24	59.46	0.57
4545	CECERT-LA	25.46	59.47	0.57
4546	CECERT-LA	27.43	59.47	0.57
4547	CECERT-LA	29.30	59.48	0.57
4548	CECERT-LA	30.94	59.49	0.57
4549	CECERT-LA	32.41	59.50	0.57
4550	CECERT-LA	33.04	59.51	0.57
4551	CECERT-LA	33.45	59.52	0.57
4552	CECERT-LA	34.44	59.53	0.57
4553	CECERT-LA	35.53	59.54	0.57
4554	CECERT-LA	35.76	59.55	0.57
4555	CECERT-LA	35.21	59.56	0.54
4556	CECERT-LA	35.40	59.57	0.54
4557	CECERT-LA	35.61	59.58	0.54
4558	CECERT-LA	35.33	59.59	0.54
4559	CECERT-LA	36.03	59.60	0.54
4560	CECERT-LA	36.54	59.61	0.54
4561	CECERT-LA	36.13	59.62	0.54
4562	CECERT-LA	36.62	59.63	0.54
4563	CECERT-LA	36.93	59.64	0.54
4564	CECERT-LA	36.76	59.65	0.54
4565	CECERT-LA	35.59	59.66	0.51
4566	CECERT-LA	32.25	59.66	0.51
4567	CECERT-LA	26.29	59.67	0.51
4568	CECERT-LA	19.88	59.68	0.51
4569	CECERT-LA	14.02	59.68	0.51
4570	CECERT-LA	9.21	59.68	0.51
4571	CECERT-LA	4.46	59.69	0.51
4572	CECERT-LA	1.26	59.69	0.51
4573	CECERT-LA	0.89	59.69	0.51
4574	CECERT-LA	4.51	59.69	0.51
4575	CECERT-LA	9.62	59.69	0.51
4576	CECERT-LA	13.96	59.69	0.51
4577	CECERT-LA	17.43	59.70	0.51
4578	CECERT-LA	20.25	59.70	0.51
4579	CECERT-LA	21.99	59.71	0.51
4580	CECERT-LA	21.80	59.72	0.51
4581	CECERT-LA	20.68	59.72	0.51
4582	CECERT-LA	18.80	59.73	0.51
4583	CECERT-LA	16.57	59.73	0.51
4584	CECERT-LA	13.67	59.73	0.51
4585	CECERT-LA	10.06	59.74	0.51
4586	CECERT-LA	6.10	59.74	0.51
4587	CECERT-LA	2.90	59.74	0.51
4588	CECERT-LA	1.11	59.74	0.51
4589	CECERT-LA	0.00	59.74	0.51
4590	CECERT-LA	0.00	59.74	0.51
4591	CECERT-LA	0.00	59.74	0.51
4592	CECERT-LA	0.00	59.74	0.51
4593	CECERT-LA	0.00	59.74	0.51
4594	CECERT-LA	0.00	59.74	0.51
4595	CECERT-LA	0.00	59.74	0.51
4596	CECERT-LA	0.00	59.74	0.51
4597	CECERT-LA	0.00	59.74	0.51
4598	CECERT-LA	0.00	59.74	0.51
4599	CECERT-LA	0.00	59.74	0.51
4600	CECERT-LA	0.00	59.74	0.51
4601	CECERT-LA	0.00	59.74	0.51
4602	CECERT-LA	0.00	59.74	0.51

time (s)	route	speed (mph)	distance (mi)	grade (%)
4447	CECERT-LA	13.01	59.03	-0.41
4448	CECERT-LA	14.14	59.04	-0.41
4449	CECERT-LA	16.19	59.04	-0.41
4450	CECERT-LA	18.28	59.05	-0.41
4451	CECERT-LA	20.21	59.05	-0.93
4452	CECERT-LA	20.90	59.06	-0.93
4453	CECERT-LA	21.52	59.06	-0.93
4454	CECERT-LA	22.86	59.07	-0.93
4455	CECERT-LA	24.15	59.08	-0.93
4456	CECERT-LA	24.78	59.08	-0.93
4457	CECERT-LA	24.66	59.09	-0.93
4458	CECERT-LA	24.49	59.10	-0.93
4459	CECERT-LA	24.76	59.10	-0.93
4460	CECERT-LA	24.50	59.11	-0.93
4461	CECERT-LA	24.35	59.12	-0.93
4462	CECERT-LA	24.25	59.12	-0.93
4463	CECERT-LA	24.20	59.13	-0.93
4464	CECERT-LA	24.06	59.14	-0.93
4465	CECERT-LA	23.66	59.14	-0.93
4466	CECERT-LA	24.57	59.15	-0.93
4467	CECERT-LA	25.65	59.16	-0.75
4468	CECERT-LA	26.51	59.16	-0.75
4469	CECERT-LA	27.33	59.17	-0.75
4470	CECERT-LA	28.04	59.18	-0.75
4471	CECERT-LA	28.12	59.19	-0.75
4472	CECERT-LA	27.57	59.19	-0.75
4473	CECERT-LA	26.31	59.20	-0.75
4474	CECERT-LA	24.87	59.21	-0.75
4475	CECERT-LA	24.24	59.21	-0.75
4476	CECERT-LA	23.33	59.22	-0.75
4477	CECERT-LA	21.27	59.23	-0.75
4478	CECERT-LA	20.14	59.23	-0.75
4479	CECERT-LA	19.91	59.24	-0.75
4480	CECERT-LA	19.07	59.24	-0.75
4481	CECERT-LA	17.86	59.25	-0.75
4482	CECERT-LA	16.49	59.25	0.13
4483	CECERT-LA	15.02	59.26	0.13
4484	CECERT-LA	13.29	59.26	0.13
4485	CECERT-LA	11.28	59.26	0.13
4486	CECERT-LA	9.25	59.27	0.13
4487	CECERT-LA	6.93	59.27	0.13
4488	CECERT-LA	5.23	59.27	0.13
4489	CECERT-LA	5.10	59.27	0.13
4490	CECERT-LA	4.30	59.27	0.13
4491	CECERT-LA	3.15	59.27	0.13
4492	CECERT-LA	2.10	59.27	0.13
4493	CECERT-LA	1.14	59.27	0.13
4494	CECERT-LA	0.00	59.27	0.13
4495	CECERT-LA	0.00	59.27	0.13
4496	CECERT-LA	0.00	59.27	0.13
4497	CECERT-LA	0.00	59.27	0.13
4498	CECERT-LA	0.00	59.27	0.13
4499	CECERT-LA	0.00	59.27	0.13
4500	CECERT-LA	0.00	59.27	0.13
4501	CECERT-LA	0.00	59.27	0.13
4502	CECERT-LA	0.00	59.27	0.13
4503	CECERT-LA	0.00	59.27	0.13
4504	CECERT-LA	0.00	59.27	0.13
4505	CECERT-LA	0.00	59.27	0.13
4506	CECERT-LA	0.00	59.27	0.13
4507	CECERT-LA	0.00	59.27	0.13
4508	CECERT-LA	0.00	59.27	0.13
4509	CECERT-LA	0.00	59.27	0.13
4510	CECERT-LA	0.00	59.27	0.13
4511	CECERT-LA	0.00	59.27	0.13
4512	CECERT-LA	0.00	59.27	0.13
4513	CECERT-LA	0.70	59.27	0.13
4514	CECERT-LA	4.42	59.28	0.13
4515	CECERT-LA	8.08	59.28	0.13
4516				

time (s)	route	speed (mph)	distance (mi)	grade (%)
4993	LA-LA	7.49	60.15	-0.30
4994	LA-LA	14.91	60.15	-0.29
4995	LA-LA	22.81	60.16	-0.29
4996	LA-LA	29.24	60.17	-0.29
4997	LA-LA	36.01	60.18	-0.29
4998	LA-LA	41.42	60.19	-0.29
4999	LA-LA	43.58	60.20	-0.29
5000	LA-LA	42.91	60.21	-0.29
5001	LA-LA	41.42	60.22	-0.29
5002	LA-LA	38.55	60.23	-0.29
5003	LA-LA	35.13	60.24	-0.29
5004	LA-LA	31.58	60.25	-0.32
5005	LA-LA	27.88	60.26	-0.32
5006	LA-LA	24.16	60.27	-0.32
5007	LA-LA	20.59	60.27	-0.32
5008	LA-LA	16.86	60.28	-0.32
5009	LA-LA	13.11	60.28	-0.32
5010	LA-LA	9.65	60.28	-0.32
5011	LA-LA	6.59	60.28	-0.32
5012	LA-LA	4.45	60.28	-0.32
5013	LA-LA	2.95	60.29	-0.32
5014	LA-LA	1.86	60.29	-0.32
5015	LA-LA	0.60	60.29	-0.32
5016	LA-LA	0.00	60.29	-0.32
5017	LA-LA	0.00	60.29	-0.32
5018	LA-LA	0.00	60.29	-0.32
5019	LA-LA	0.00	60.29	-0.32
5020	LA-LA	0.00	60.29	-0.32
5021	LA-LA	0.00	60.29	-0.32
5022	LA-LA	0.00	60.29	-0.32
5023	LA-LA	0.00	60.29	-0.32
5024	LA-LA	0.00	60.29	-0.32
5025	LA-LA	0.00	60.29	-0.32
5026	LA-LA	0.00	60.29	-0.32
5027	LA-LA	0.00	60.29	-0.32
5028	LA-LA	0.00	60.29	-0.32
5029	LA-LA	0.00	60.29	-0.32
5030	LA-LA	0.00	60.29	-0.32
5031	LA-LA	0.00	60.29	-0.32
5032	LA-LA	0.18	60.29	-0.32
5033	LA-LA	2.53	60.29	-0.32
5034	LA-LA	5.95	60.29	-0.32
5035	LA-LA	8.69	60.29	-0.32
5036	LA-LA	9.84	60.29	-0.32
5037	LA-LA	11.02	60.30	-0.32
5038	LA-LA	11.70	60.30	-0.32
5039	LA-LA	12.84	60.30	-0.32
5040	LA-LA	13.60	60.31	-0.32
5041	LA-LA	12.99	60.31	-0.32
5042	LA-LA	12.68	60.31	-0.32
5043	LA-LA	11.34	60.32	-0.32
5044	LA-LA	9.53	60.32	-0.32
5045	LA-LA	7.32	60.32	-0.32
5046	LA-LA	5.53	60.32	-0.32
5047	LA-LA	4.71	60.32	-0.32
5048	LA-LA	3.89	60.33	-0.32
5049	LA-LA	2.97	60.33	-0.32
5050	LA-LA	2.04	60.33	-0.32
5051	LA-LA	1.22	60.33	-0.32
5052	LA-LA	1.96	60.33	-0.32
5053	LA-LA	2.95	60.33	-0.32
5054	LA-LA	3.84	60.33	-0.32
5055	LA-LA	5.07	60.33	-0.32
5056	LA-LA	8.02	60.33	-0.32
5057	LA-LA	10.76	60.34	-0.32
5058	LA-LA	12.26	60.34	-0.32
5059	LA-LA	13.85	60.34	-0.32
5060	LA-LA	15.22	60.35	-0.32
5061	LA-LA	15.11	60.35	-0.54
5062	LA-LA	14.93	60.36	-0.54
5063	LA-LA	15.99	60.36	-0.54
5064	LA-LA	17.16	60.37	-0.54
5065	LA-LA	16.43	60.37	-0.54
5066	LA-LA	14.30	60.37	-0.54
5067	LA-LA	13.43	60.38	-0.54
5068	LA-LA	13.59	60.38	-0.54
5069	LA-LA	14.68	60.38	-0.54
5070	LA-LA	16.17	60.39	-0.54

time (s)	route	speed (mph)	distance (mi)	grade (%)
5149	LA-LA	0.00	60.81	-0.05
5150	LA-LA	0.00	60.81	-0.05
5151	LA-LA	0.00	60.81	-0.05
5152	LA-LA	0.00	60.81	-0.05
5153	LA-LA	0.00	60.81	-0.05
5154	LA-LA	0.00	60.81	-0.05
5155	LA-LA	0.00	60.81	-0.05
5156	LA-LA	0.00	60.81	-0.05
5157	LA-LA	0.00	60.81	-0.05
5158	LA-LA	0.00	60.81	-0.05
5159	LA-LA	0.00	60.81	-0.05
5160	LA-LA	0.00	60.81	-0.05
5161	LA-LA	0.00	60.81	-0.05
5162	LA-LA	0.00	60.81	-0.05
5163	LA-LA	0.00	60.81	-0.05
5164	LA-LA	0.00	60.81	-0.05
5165	LA-LA	0.00	60.81	-0.05
5166	LA-LA	0.00	60.81	-0.05
5167	LA-LA	0.00	60.81	-0.05
5168	LA-LA	0.00	60.81	-0.05
5169	LA-LA	0.00	60.81	-0.05
5170	LA-LA	0.00	60.81	-0.05
5171	LA-LA	0.00	60.81	-0.05
5172	LA-LA	0.00	60.81	-0.05
5173	LA-LA	0.00	60.81	-0.05
5174	LA-LA	0.00	60.81	-0.05
5175	LA-LA	0.00	60.81	-0.05
5176	LA-LA	0.00	60.81	-0.05
5177	LA-LA	0.00	60.81	-0.05
5178	LA-LA	0.00	60.81	-0.05
5179	LA-LA	0.00	60.81	-0.05
5180	LA-LA	0.00	60.81	-0.05
5181	LA-LA	0.00	60.81	-0.05
5182	LA-LA	0.00	60.81	-0.05
5183	LA-LA	0.00	60.81	-0.05
5184	LA-LA	0.00	60.81	-0.05
5185	LA-LA	0.00	60.81	-0.05
5186	LA-LA	0.00	60.81	-0.05
5187	LA-LA	0.00	60.81	-0.05
5188	LA-LA	0.00	60.81	-0.05
5189	LA-LA	0.00	60.81	-0.05
5190	LA-LA	0.00	60.81	-0.05
5191	LA-LA	0.00	60.81	-0.05
5192	LA-LA	0.00	60.81	-0.05
5193	LA-LA	1.16	60.81	-0.05
5194	LA-LA	5.10	60.82	-0.05
5195	LA-LA	8.96	60.82	-0.05
5196	LA-LA	11.95	60.82	-0.05
5197	LA-LA	14.16	60.83	-0.05
5198	LA-LA	16.26	60.83	-0.05
5199	LA-LA	18.34	60.84	-0.05
5200	LA-LA	20.63	60.84	-0.05
5201	LA-LA	22.75	60.85	-0.05
5202	LA-LA	25.30	60.85	-0.30
5203	LA-LA	27.64	60.86	-0.30
5204	LA-LA	29.54	60.87	-0.30
5205	LA-LA	31.04	60.88	-0.30
5206	LA-LA	32.26	60.89	-0.30
5207	LA-LA	33.22	60.90	-0.30
5208	LA-LA	34.13	60.91	-0.30
5209	LA-LA	34.98	60.92	-0.30
5210	LA-LA	35.88	60.93	-0.30
5211	LA-LA	36.22	60.94	-0.30
5212	LA-LA	36.36	60.95	-0.30
5213	LA-LA	37.12	60.96	-0.39
5214	LA-LA	38.10	60.97	-0.39
5215	LA-LA	39.00	60.98	-0.39
5216	LA-LA	39.45	60.99	-0.39
5217	LA-LA	38.75	61.00	-0.39
5218	LA-LA	38.16	61.01	-0.39
5219	LA-LA	37.40	61.02	-0.39
5220	LA-LA	35.62	61.03	-0.39
5221	LA-LA	33.22	61.04	-0.39
5222	LA-LA	30.79	61.05	-0.39
5223	LA-LA	28.45	61.05	-0.71
5224	LA-LA	26.20	61.06	-0.71
5225	LA-LA	23.07	61.07	-0.71
5226	LA-LA	19.98	61.07	-0.71

time (s)	route	speed (mph)	distance (mi)	grade (%)
5071	LA-LA	17.96	60.39	-0.54
5072	LA-LA	19.78	60.40	-0.54
5073	LA-LA	21.73	60.41	-0.54
5074	LA-LA	23.26	60.41	-0.54
5075	LA-LA	23.57	60.42	-0.54
5076	LA-LA	24.47	60.43	-0.54
5077	LA-LA	25.63	60.43	-0.54
5078	LA-LA	25.82	60.44	-0.54
5079	LA-LA	26.13	60.45	-0.54
5080	LA-LA	26.95	60.45	-0.57
5081	LA-LA	27.66	60.46	-0.57
5082	LA-LA	28.17	60.47	-0.57
5083	LA-LA	29.36	60.48	-0.57
5084	LA-LA	30.17	60.49	-0.57
5085	LA-LA	29.58	60.49	-0.57
5086	LA-LA	29.51	60.50	-0.57
5087	LA-LA	29.39	60.51	-0.57
5088	LA-LA	28.84	60.52	-0.57
5089	LA-LA	28.92	60.53	-0.57
5090	LA-LA	29.19	60.53	-0.57
5091	LA-LA	29.61	60.54	-0.57
5092	LA-LA	29.72	60.55	-0.47
5093	LA-LA	30.02	60.56	-0.47
5094	LA-LA	29.86	60.57	-0.47
5095	LA-LA	29.29	60.57	-0.47
5096	LA-LA	28.39	60.58	-0.47
5097	LA-LA	27.47	60.59	-0.47
5098	LA-LA	26.89	60.60	-0.47
5099	LA-LA	27.22	60.60	-0.47
5100	LA-LA	28.78	60.61	-0.47
5101	LA-LA	30.65	60.62	-0.47
5102	LA-LA	32.25	60.63	-0.47
5103	LA-LA	33.22	60.64	-0.47
5104	LA-LA	32.77	60.65	-0.47
5105	LA-LA	31.97	60.66	-0.27
5106	LA-LA	31.39	60.67	-0.27
5107	LA-LA	30.66	60.67	-0.27
5108	LA-LA	29.86	60.68	-0.27
5109	LA-LA	28.81	60.69	-0.27
5110	LA-LA	28.21	60.70	-0.27
5111	LA-LA	28.78	60.71	-0.27
5112	LA-LA	28.64	60.71	-0.27
5113	LA-LA	28.28	60.72	-0.27
5114	LA-LA	28.55	60.73	-0.27
5115	LA-LA	27.94	60.74	-0.27
5116	LA-LA	28.12	60.74	-0.27
5117	LA-LA	28.14	60.75	-0.05
5118	LA-LA	27.26	60.76	-0.05
5119	LA-LA	26.87	60.77	-0.05
5120	LA-LA	25.68	60.77	-0.05
5121	LA-LA	23.48	60.78	-0.05
5122	LA-LA	21.22	60.79	-0.05
5123	LA-LA	18.76	60.79	-0.05
5124	LA-LA	16.66	60.80	-0.05
5125	LA-LA	14.74	60.80	-0.05
5126	LA-LA	12.79	60.80	-0.05
5127	LA-LA	10.76	60.81	-0.05
5128	LA-LA	8.65	60.81	-0.05
5129	LA-LA	6.22	60.81	-0.05
5130	LA-LA	4.70	60.81	-0.05
5131	LA-LA	3.68	60.81	-0.05
5132	LA-LA	2.66	60.81	-0.05
5133	LA-LA	1.67	60.81	-0.05
5134	LA-LA	0.52	60.81	-0.05
5135	LA-LA	0.00	60.81	-0.05
5136	LA-LA	0.00	60.81	-0.05
5137	LA-LA	0.00	60.81	-0.05
5138	LA-LA	0.00	60.81	-0.05
5139	LA-LA	0.00	60.81	-0.05
5140	LA-LA	0.00	60.81	-0.05
5141	LA-LA	0.00	60.81	-0.05
5142	LA-LA	0.00	60.81	-0.05
5143	LA-LA	0.00	60.81	-0.05
5144	LA-LA	0.00	60.81	-0.05
5145	LA-LA	0.00	60.81	-0.05
5146	LA-LA	0.00	60.81	-0.05
5147	LA-LA	0.00	60.81	-0.05
5148	LA-LA	0.00	60.81	-0.05

time (s)	route	speed (mph)	distance (mi)	grade (%)
5305	LA-LA	39.26	61.51	0.07
5306	LA-LA	37.31	61.52	0.07
5307	LA-LA	35.02	61.53	0.07
5308	LA-LA	22.53	61.54	0.07
5309	LA-LA	29.99	61.55	0.07
5310	LA-LA	27.53	61.55	-0.39
5311	LA-LA	24.71	61.56	-0.39
5312	LA-LA	21.79	61.57	-0.39
5313	LA-LA	20.51	61.57	-0.39
5314	LA-LA	18.39	61.58	-0.39
5315	LA-LA	14.80	61.58	-0.39
5316	LA-LA	10.95	61.58	-0.39
5317	LA-LA	7.07	61.59	-0.39
5318	LA-LA	6.28	61.59	-0.39
5319	LA-LA	8.04	61.59	-0.39
5320	LA-LA	10.44	61.59	-0.39
5321	LA-LA	13.24	61.60	-0.39
5322	LA-LA	16.34	61.60	-0.39
5323	LA-LA	19.89	61.61	-0.39
5324	LA-LA	23.32	61.61	-0.39
5325	LA-LA	26.27	61.62	-0.39
5326	LA-LA	28.84	61.63	-0.39
5327	LA-LA	31.32	61.64	-0.39
5328	LA-LA	33.86	61.65	-0.39
5329	LA-LA	35.15	61.65	-0.65
5330	LA-LA	37.12	61.66	-0.65
5331	LA-LA	38.82	61.68	-0.65
5332	LA-LA	40.62	61.69	-0.65
5333	LA-LA	41.77	61.70	-0.65
5334	LA-LA	42.87	61.71	-0.65
5335	LA-LA	43.05	61.72	-0.65
5336	LA-LA	43.50	61.73	-0.65
5337	LA-LA	44.21	61.75	-0.65
5338	LA-LA	44.93	61.76	-0.55
5339	LA-LA	45.59	61.77	-0.55
5340	LA-LA	45.62	61.78	-0.55
5341	LA-LA	44.99	61.80	-0.55
5342	LA-LA	44.24	61.81	-0.55
5343	LA-LA	43.86	61.82	-0.55
5344	LA-LA	43.65	61.83	-0.55
5345	LA-LA	42.48	61.84	-0.55
5346	LA-LA	40.21	61.85	-0.40
5347	LA-LA	37.57	61.87	-0.40
5348	LA-LA	35.21	61.87	-0.40
5349	LA-LA	32.72	61.88	-0.40
5350	LA-LA	30.85	61.89	-0.40
5351	LA-LA	30.77	61.90	-0.40
5352	LA-LA	31.80	61.91	-0.40
5353	LA-LA	33.94	61.92	-0.40
5354	LA-LA	36.35	61.93	-0.40
5355	LA-LA	38.68	61.94	-0.40
5356	LA-LA	39.41	61.95	-0.47
5357	LA-LA	38.70	61.96	-0.47
5358	LA-LA	38.04	61.97	-0.47
5359	LA-LA	37.29	61.98	-0.47
5360	LA-LA	36.58	61.99	-0.47
5361	LA-LA	35.63	62.00	-0.47
5362	LA-LA	33.49	62.01	-0.47
5363	LA-LA	30.89	62.02	-0.47
5364	LA-LA	27.91	62.03	-0.47
5365	LA-LA	24.82	62.03	-0.47
5366	LA-LA	21.86	62.04	-0.47
5367	LA-LA	18.91	62.04	-0.47
5368	LA-LA	16.09	62.05	-0.47
5369	LA-LA	13.03	62.05	-0.55
5370	LA-LA	9.86	62.06	-0.55
5371	LA-LA	6.62	62.06	-0.55
5372	LA-LA	4.55	62.06	-0.55
5373	LA-LA	2.81	62.06	-0.55
5374	LA-LA	0.73	62.06	-0.55
5375	LA-LA	0.00	62.06	-0.55
5376	LA-LA	0.00	62.06	-0.55
5377	LA-LA	0.00	62.06	-0.55
5378	LA-LA	0.00	62.06	-0.55
5379	LA-LA	0.00	62.06	-0.55
5380	LA-LA	0.00	62.06	-0.55
5381	LA-LA	0.00	62.06	-0.55
5382	LA-LA	0.00	62.06	-0.55

time (s)	route	speed (mph)	distance (mi)	grade (%)
5461	LA-LA	32.95	62.64	0.20
5462	LA-LA	34.64	62.65	0.20
5463	LA-LA	36.06	62.66	0.35
5464	LA-LA	37.50	62.67	0.35
5465	LA-LA	38.14	62.68	0.35
5466	LA-LA	37.42	62.69	0.35
5467	LA-LA	37.47	62.70	0.35
5468	LA-LA	38.36	62.71	0.35
5469	LA-LA	39.32	62.72	0.35
5470	LA-LA	40.12	62.73	0.35
5471	LA-LA	40.99	62.74	0.35
5472	LA-LA	41.08	62.75	0.25
5473	LA-LA	40.57	62.76	0.25
5474	LA-LA	41.03	62.77	0.25
5475	LA-LA	41.49	62.79	0.25
5476	LA-LA	40.97	62.80	0.25
5477	LA-LA	40.40	62.81	0.25
5478	LA-LA	39.68	62.82	0.25
5479	LA-LA	38.53	62.83	0.25
5480	LA-LA	36.74	62.84	0.25
5481	LA-LA	34.57	62.85	0.25
5482	LA-LA	31.76	62.86	0.37
5483	LA-LA	29.49	62.87	0.37
5484	LA-LA	28.91	62.87	0.37
5485	LA-LA	29.48	62.88	0.37
5486	LA-LA	30.73	62.89	0.37
5487	LA-LA	32.31	62.90	0.37
5488	LA-LA	33.78	62.91	0.37
5489	LA-LA	34.99	62.92	0.37
5490	LA-LA	35.35	62.93	0.37
5491	LA-LA	34.46	62.94	0.37
5492	LA-LA	33.48	62.95	0.37
5493	LA-LA	31.80	62.96	0.88
5494	LA-LA	29.24	62.96	0.88
5495	LA-LA	26.21	62.97	0.88
5496	LA-LA	23.19	62.98	0.88
5497	LA-LA	20.15	62.98	0.88
5498	LA-LA	16.66	62.99	0.88
5499	LA-LA	12.23	62.99	0.88
5500	LA-LA	7.67	62.99	0.88
5501	LA-LA	3.28	62.99	0.88
5502	LA-LA	0.66	62.99	0.88
5503	LA-LA	0.45	62.99	0.88
5504	LA-LA	3.24	63.00	0.88
5505	LA-LA	7.61	63.00	0.88
5506	LA-LA	12.42	63.00	0.88
5507	LA-LA	13.72	63.00	0.88
5508	LA-LA	13.36	63.01	0.88
5509	LA-LA	11.75	63.01	0.88
5510	LA-LA	8.48	63.01	0.88
5511	LA-LA	4.90	63.02	0.88
5512	LA-LA	2.94	63.02	0.88
5513	LA-LA	3.18	63.02	0.88
5514	LA-LA	3.04	63.02	0.88
5515	LA-LA	3.75	63.02	0.88
5516	LA-LA	5.90	63.02	0.88
5517	LA-LA	10.55	63.02	0.88
5518	LA-LA	15.05	63.03	0.88
5519	LA-LA	18.67	63.03	0.88
5520	LA-LA	22.26	63.04	0.88
5521	LA-LA	25.21	63.05	0.88
5522	LA-LA	27.26	63.05	0.37
5523	LA-LA	29.15	63.06	0.37
5524	LA-LA	30.76	63.07	0.37
5525	LA-LA	32.02	63.08	0.37
5526	LA-LA	32.90	63.09	0.37
5527	LA-LA	34.21	63.10	0.37
5528	LA-LA	35.42	63.11	0.37
5529	LA-LA	36.48	63.12	0.37
5530	LA-LA	37.56	63.13	0.37
5531	LA-LA	38.48	63.14	0.37
5532	LA-LA	39.55	63.15	0.37
5533	LA-LA	40.44	63.16	0.62
5534	LA-LA	40.96	63.17	0.62
5535	LA-LA	40.65	63.18	0.62
5536	LA-LA	39.61	63.19	0.62
5537	LA-LA	38.70	63.20	0.62
5538	LA-LA	37.86	63.21	0.62

time (s)	route	speed (mph)	distance (mi)	grade (%)
5383	LA-LA	0.00	62.06	-0.55
5384	LA-LA	0.00	62.06	-0.55
5385	LA-LA	0.00	62.06	-0.55
5386	LA-LA	0.00	62.06	-0.55
5387	LA-LA	0.00	62.06	-0.55
5388	LA-LA	0.00	62.06	-0.55
5389	LA-LA	0.00	62.06	-0.55
5390	LA-LA	0.51	62.06	-0.55
5391	LA-LA	3.90	62.06	-0.55
5392	LA-LA	7.65	62.06	-0.55
5393	LA-LA	11.45	62.07	-0.55
5394	LA-LA	14.81	62.07	-0.55
5395	LA-LA	18.69	62.08	-0.55
5396	LA-LA	22.50	62.08	-0.55
5397	LA-LA	26.13	62.09	-0.55
5398	LA-LA	29.09	62.10	-0.55
5399	LA-LA	31.61	62.11	-0.55
5400	LA-LA	34.09	62.11	-0.55
5401	LA-LA	36.38	62.12	-0.55
5402	LA-LA	38.61	62.14	-0.55
5403	LA-LA	40.55	62.15	-0.55
5404	LA-LA	42.18	62.16	-0.56
5405	LA-LA	43.22	62.17	-0.56
5406	LA-LA	44.03	62.18	-0.56
5407	LA-LA	43.75	62.19	-0.56
5408	LA-LA	43.28	62.21	-0.56
5409	LA-LA	43.20	62.22	-0.56
5410	LA-LA	42.71	62.23	-0.56
5411	LA-LA	43.25	62.24	-0.56
5412	LA-LA	43.79	62.25	-0.41
5413	LA-LA	43.49	62.27	-0.41
5414	LA-LA	42.95	62.28	-0.41
5415	LA-LA	42.25	62.29	-0.41
5416	LA-LA	41.57	62.30	-0.41
5417	LA-LA	40.86	62.31	-0.41
5418	LA-LA	40.17	62.32	-0.41
5419	LA-LA	40.22	62.33	-0.41
5420	LA-LA	40.90	62.34	-0.41
5421	LA-LA	41.88	62.36	-0.59
5422	LA-LA	43.04	62.37	-0.59
5423	LA-LA	43.91	62.38	-0.59
5424	LA-LA	44.45	62.39	-0.59
5425	LA-LA	44.86	62.40	-0.59
5426	LA-LA	45.34	62.42	-0.59
5427	LA-LA	45.60	62.43	-0.59
5428	LA-LA	45.07	62.44	-0.59
5429	LA-LA	44.37	62.45	-0.73
5430	LA-LA	43.66	62.47	-0.73
5431	LA-LA	43.01	62.48	-0.73
5432	LA-LA	42.20	62.49	-0.73
5433	LA-LA	40.26	62.50	-0.73
5434	LA-LA	37.87	62.51	-0.73
5435	LA-LA	35.05	62.52	-0.73
5436	LA-LA	31.92	62.53	-0.73
5437	LA-LA	30.73	62.54	-0.73
5438	LA-LA	29.71	62.55	-0.73
5439	LA-LA	26.83	62.55	0.20
5440	LA-LA	22.26	62.56	0.20
5441	LA-LA	17.12	62.56	0.20
5442	LA-LA	11.54	62.57	0.20
5443	LA-LA	6.20	62.57	0.20
5444	LA-LA	2.17	62.57	0.20
5445	LA-LA	0.00	62.57	0.20
5446	LA-LA	0.00	62.57	0.20
5447	LA-LA	0.00	62.57	0.20
5448	LA-LA	0.00	62.57	0.20
5449	LA-LA	2.34	62.57	0.20
5450	LA-LA	5.75	62.57	0.20
5451	LA-LA	9.12	62.57	0.20
5452	LA-LA	11.30	62.58	0.20
5453	LA-LA	13.24	62.58	0.20
5454	LA-LA	15.33	62.59	0.20
5455	LA-LA	18.51	62.59	0.20
5456	LA-LA	21.82	62.60	0.20
5457	LA-LA	24.72	62.60	0.20
5458	LA-LA	27.15	62.61	0.20
5459	LA-LA	29.27	62.62	0.20
5460	LA-LA	31.37		

time (s)	route	speed (mph)	distance (mi)	grade (%)
5617	LA-LA	23.68	63.70	1.12
5618	LA-LA	23.46	63.71	1.12
5619	LA-LA	24.00	63.72	1.12
5620	LA-LA	24.27	63.72	1.12
5621	LA-LA	24.76	63.73	1.12
5622	LA-LA	26.20	63.74	1.12
5623	LA-LA	28.04	63.74	1.12
5624	LA-LA	28.42	63.75	1.12
5625	LA-LA	27.64	63.76	1.12
5626	LA-LA	25.93	63.77	1.12
5627	LA-LA	23.51	63.77	1.12
5628	LA-LA	20.99	63.78	1.12
5629	LA-LA	18.56	63.78	1.12
5630	LA-LA	16.08	63.79	1.12
5631	LA-LA	13.80	63.79	1.12
5632	LA-LA	13.21	63.80	1.12
5633	LA-LA	12.48	63.80	1.12
5634	LA-LA	10.90	63.80	1.12
5635	LA-LA	8.79	63.80	1.12
5636	LA-LA	6.13	63.81	1.12
5637	LA-LA	4.03	63.81	1.12
5638	LA-LA	2.52	63.81	1.12
5639	LA-LA	0.89	63.81	1.12
5640	LA-LA	0.00	63.81	1.12
5641	LA-LA	0.00	63.81	1.12
5642	LA-LA	0.00	63.81	1.12
5643	LA-LA	0.00	63.81	1.12
5644	LA-LA	0.00	63.81	1.12
5645	LA-LA	0.34	63.81	1.12
5646	LA-LA	0.47	63.81	1.12
5647	LA-LA	0.00	63.81	1.12
5648	LA-LA	0.00	63.81	1.12
5649	LA-LA	0.00	63.81	1.12
5650	LA-LA	0.00	63.81	1.12
5651	LA-LA	0.32	63.81	1.12
5652	LA-LA	0.71	63.81	1.12
5653	LA-LA	0.00	63.81	1.12
5654	LA-LA	0.00	63.81	1.12
5655	LA-LA	0.00	63.81	1.12
5656	LA-LA	0.00	63.81	1.12
5657	LA-LA	0.00	63.81	1.12
5658	LA-LA	0.00	63.81	1.12
5659	LA-LA	0.00	63.81	1.12
5660	LA-LA	0.00	63.81	1.12
5661	LA-LA	0.00	63.81	1.12
5662	LA-LA	0.00	63.81	1.12
5663	LA-LA	0.00	63.81	1.12
5664	LA-LA	0.00	63.81	1.12
5665	LA-LA	0.00	63.81	1.12
5666	LA-LA	0.00	63.81	1.12
5667	LA-LA	0.00	63.81	1.12
5668	LA-LA	0.00	63.81	1.12
5669	LA-LA	0.00	63.81	1.12
5670	LA-LA	0.00	63.81	1.12
5671	LA-LA	0.00	63.81	1.12
5672	LA-LA	0.00	63.81	1.12
5673	LA-LA	0.00	63.81	1.12
5674	LA-LA	0.00	63.81	1.12
5675	LA-LA	0.00	63.81	1.12
5676	LA-LA	0.00	63.81	1.12
5677	LA-LA	1.20	63.81	1.12
5678	LA-LA	4.21	63.81	1.12
5679	LA-LA	10.18	63.81	1.12
5680	LA-LA	14.41	63.82	1.12
5681	LA-LA	17.71	63.82	1.12
5682	LA-LA	21.11	63.83	1.12
5683	LA-LA	24.40	63.83	1.12
5684	LA-LA	27.26	63.84	1.12
5685	LA-LA	29.59	63.85	1.12
5686	LA-LA	32.06	63.86	1.12
5687	LA-LA	33.79	63.87	1.12
5688	LA-LA	35.05	63.88	1.12
5689	LA-LA	35.50	63.89	1.12
5690	LA-LA	35.27	63.90	1.12
5691	LA-LA	36.04	63.91	1.12
5692	LA-LA	36.49	63.92	1.12
5693	LA-LA	37.22	63.93	1.12
5694	LA-LA	37.80	63.94	1.12

time (s)	route	speed (mph)	distance (mi)	grade (%)
5773	LA-LA	0.00	64.28	-0.15
5774	LA-LA	0.00	64.28	-0.15
5775	LA-LA	0.00	64.28	-0.15
5776	LA-LA	0.00	64.28	-0.15
5777	LA-LA	0.00	64.28	-0.15
5778	LA-LA	0.00	64.28	-0.15
5779	LA-LA	0.00	64.28	-0.15
5780	LA-LA	0.00	64.28	-0.15
5781	LA-LA	0.00	64.28	-0.15
5782	LA-LA	0.00	64.28	-0.15
5783	LA-LA	0.00	64.28	-0.15
5784	LA-LA	0.00	64.28	-0.15
5785	LA-LA	0.00	64.28	-0.15
5786	LA-LA	0.00	64.28	-0.15
5787	LA-LA	0.00	64.28	-0.15
5788	LA-LA	0.00	64.28	-0.15
5789	LA-LA	1.22	64.28	-0.15
5790	LA-LA	5.79	64.28	-0.15
5791	LA-LA	10.06	64.28	-0.15
5792	LA-LA	13.73	64.28	-0.15
5793	LA-LA	16.75	64.29	-0.15
5794	LA-LA	19.76	64.29	-0.15
5795	LA-LA	21.61	64.30	-0.15
5796	LA-LA	21.61	64.31	-0.15
5797	LA-LA	22.03	64.31	-0.15
5798	LA-LA	23.93	64.32	-0.15
5799	LA-LA	25.95	64.33	-0.15
5800	LA-LA	27.42	64.33	-0.15
5801	LA-LA	28.44	64.34	-0.15
5802	LA-LA	28.99	64.35	-0.15
5803	LA-LA	28.58	64.36	-0.18
5804	LA-LA	28.43	64.37	-0.18
5805	LA-LA	29.03	64.37	-0.18
5806	LA-LA	28.09	64.38	-0.18
5807	LA-LA	26.64	64.39	-0.18
5808	LA-LA	22.88	64.39	-0.18
5809	LA-LA	20.26	64.40	-0.18
5810	LA-LA	19.02	64.41	-0.18
5811	LA-LA	18.80	64.41	-0.18
5812	LA-LA	18.75	64.42	-0.18
5813	LA-LA	18.57	64.42	-0.18
5814	LA-LA	18.54	64.43	-0.18
5815	LA-LA	18.89	64.43	-0.18
5816	LA-LA	21.24	64.44	-0.18
5817	LA-LA	24.55	64.44	-0.18
5818	LA-LA	26.97	64.45	-0.35
5819	LA-LA	29.40	64.46	-0.35
5820	LA-LA	31.12	64.47	-0.35
5821	LA-LA	31.46	64.48	-0.35
5822	LA-LA	31.14	64.48	-0.35
5823	LA-LA	31.18	64.49	-0.35
5824	LA-LA	30.03	64.50	-0.35
5825	LA-LA	27.14	64.51	-0.35
5826	LA-LA	23.91	64.52	-0.35
5827	LA-LA	20.79	64.52	-0.35
5828	LA-LA	17.73	64.53	-0.35
5829	LA-LA	15.67	64.53	-0.35
5830	LA-LA	14.62	64.53	-0.35
5831	LA-LA	13.39	64.54	-0.35
5832	LA-LA	11.26	64.54	-0.35
5833	LA-LA	8.40	64.54	-0.35
5834	LA-LA	4.73	64.54	-0.35
5835	LA-LA	1.99	64.55	-0.35
5836	LA-LA	0.14	64.55	-0.35
5837	LA-LA	0.00	64.55	-0.35
5838	LA-LA	0.00	64.55	-0.35
5839	LA-LA	0.00	64.55	-0.35
5840	LA-LA	0.00	64.55	-0.35
5841	LA-LA	0.00	64.55	-0.35
5842	LA-LA	0.00	64.55	-0.35
5843	LA-LA	0.00	64.55	-0.35
5844	LA-LA	0.00	64.55	-0.35
5845	LA-LA	0.00	64.55	-0.35
5846	LA-LA	0.00	64.55	-0.35
5847	LA-LA	0.00	64.55	-0.35
5848	LA-LA	0.00	64.55	-0.35
5849	LA-LA	0.00	64.55	-0.35
5850	LA-LA	0.00	64.55	-0.35

time (s)	route	speed (mph)	distance (mi)	grade (%)
5695	LA-LA	38.28	63.95	1.12
5696	LA-LA	37.91	63.96	-0.33
5697	LA-LA	37.88	63.97	-0.33
5698	LA-LA	38.62	63.98	-0.33
5699	LA-LA	39.26	63.99	-0.33
5700	LA-LA	39.76	64.00	-0.33
5701	LA-LA	39.17	64.01	-0.33
5702	LA-LA	38.48	64.02	-0.33
5703	LA-LA	37.95	64.03	-0.33
5704	LA-LA	38.31	64.04	-0.33
5705	LA-LA	37.89	64.05	-0.24
5706	LA-LA	37.11	64.06	-0.24
5707	LA-LA	37.59	64.08	-0.24
5708	LA-LA	38.06	64.09	-0.24
5709	LA-LA	37.52	64.10	-0.24
5710	LA-LA	36.78	64.11	-0.24
5711	LA-LA	36.06	64.12	-0.24
5712	LA-LA	35.43	64.13	-0.24
5713	LA-LA	34.81	64.14	-0.24
5714	LA-LA	33.85	64.14	-0.24
5715	LA-LA	32.65	64.15	-0.15
5716	LA-LA	30.56	64.16	-0.15
5717	LA-LA	30.12	64.17	-0.15
5718	LA-LA	30.97	64.18	-0.15
5719	LA-LA	31.52	64.19	-0.15
5720	LA-LA	30.99	64.20	-0.15
5721	LA-LA	28.78	64.20	-0.15
5722	LA-LA	26.85	64.21	-0.15
5723	LA-LA	22.92	64.22	-0.15
5724	LA-LA	20.56	64.22	-0.15
5725	LA-LA	18.87	64.23	-0.15
5726	LA-LA	17.53	64.23	-0.15
5727	LA-LA	17.94	64.24	-0.15
5728	LA-LA	18.56	64.24	-0.15
5729	LA-LA	17.82	64.25	-0.15
5730	LA-LA	15.94	64.25	-0.15
5731	LA-LA	14.13	64.26	-0.15
5732	LA-LA	12.61	64.26	-0.15
5733	LA-LA	11.25	64.26	-0.15
5734	LA-LA	9.91	64.27	-0.15
5735	LA-LA	8.42	64.27	-0.15
5736	LA-LA	6.74	64.27	-0.15
5737	LA-LA	5.37	64.27	-0.15
5738	LA-LA	4.54	64.27	-0.15
5739	LA-LA	3.85	64.27	-0.15
5740	LA-LA	3.24	64.27	-0.15
5741	LA-LA	2.68	64.27	-0.15
5742	LA-LA	2.11	64.28	-0.15
5743	LA-LA	1.59	64.28	-0.15
5744	LA-LA	1.03	64.28	-0.15
5745	LA-LA	0.00	64.28	-0.15
5746	LA-LA	0.00	64.28	-0.15
5747	LA-LA	0.00	64.28	-0.15
5748	LA-LA	0.00	64.28	-0.15
5749	LA-LA	0.00	64.28	-0.15
5750	LA-LA	0.00	64.28	-0.15
5751	LA-LA	0.00	64.28	-0.15
5752	LA-LA	0.00	64.28	-0.15
5753	LA-LA	0.00	64.28	-0.15
5754	LA-LA	0.00	64.28	-0.15
5755	LA-LA	0.00	64.28	-0.15
5756	LA-LA	0.00	64.28	-0.15
5757	LA-LA	0.00	64.28	-0.15
5758	LA-LA	0.00	64.28	-0.15
5759	LA-LA	0.00	64.28	-0.15
5760	LA-LA	0.00	64.28	-0.15
5761	LA-LA	0.00	64.28	-0.15
5762	LA-LA	0.00	64.28	-0.15
5763	LA-LA	0.00	64.28	-0.15
5764	LA-LA	0.00	64.28	-0.15
5765	LA-LA	0.00	64.28	-0.15
5766	LA-LA	0.00	64.28	-0.15
5767	LA-LA	0.00	64.28	-0.15
5768	LA-LA	0.00	64.28	-0.15
5769	LA-LA	0.00	64.28	-0.15
5770	LA-LA	0.00	64.28	-0.15
5771	LA-LA	0.00	64.28	-0.15
5772	LA-LA	0.00	64.28	-0.15

time (s)	route	speed (mph)	distance (mi)	grade (%)
5929	LA-LA	23.21	64.90	2.28
5930	LA-LA	19.67	64.90	2.28
5931	LA-LA	15.88	64.91	2.28
5932	LA-LA	2.23	64.91	2.28
5933	LA-LA	9.55	64.92	2.28
5934	LA-LA	7.28	64.92	2.28
5935	LA-LA	6.14	64.92	2.28
5936	LA-LA	5.45	64.92	2.28
5937	LA-LA	5.07	64.92	2.28
5938	LA-LA	4.53	64.92	2.28
5939	LA-LA	3.93	64.92	2.28
5940	LA-LA	2.64	64.92	2.28
5941	LA-LA	2.66	64.93	2.28
5942	LA-LA	2.42	64.93	2.28
5943	LA-LA	1.38	64.93	2.28
5944	LA-LA	0.16	64.93	2.28
5945	LA-LA	0.00	64.93	2.28
5946	LA-LA	0.00	64.93	2.28
5947	LA-LA	0.00	64.93	2.28
5948	LA-LA	0.00	64.93	2.28
5949	LA-LA	0.00	64.93	2.28
5950	LA-LA	0.00	64.93	2.28
5951	LA-LA	0.00	64.93	2.28
5952	LA-LA	0.00	64.93	2.28
5953	LA-LA	0.00	64.93	2.28
5954	LA-LA	0.00	64.93	2.28
5955	LA-LA	0.00	64.93	2.28
5956	LA-LA	0.00	64.93	2.28
5957	LA-LA	0.00	64.93	2.28
5958	LA-LA	0.00	64.93	2.28
5959	LA-LA	0.00	64.93	2.28
5960	LA-LA	0.00	64.93	2.28
5961	LA-LA	0.00	64.93	2.28
5962	LA-LA	0.00	64.93	2.28
5963	LA-LA	0.00	64.93	2.28
5964	LA-LA	0.00	64.93	2.28
5965	LA-LA	0.65	64.93	2.28
5966	LA-LA	1.07	64.93	2.28
5967	LA-LA	1.48	64.93	2.28
5968	LA-LA	3.46	64.93	2.28
5969	LA-LA	5.56	64.93	2.28
5970	LA-LA	8.19	64.93	2.28
5971	LA-LA	11.42	64.94	2.28
5972	LA-LA	14.49	64.94	2.28
5973	LA-LA	17.93	64.94	2.28
5974	LA-LA	21.43	64.95	-0.52
5975	LA-LA	24.64	64.96	-0.52
5976	LA-LA	27.22	64.96	-0.52
5977	LA-LA	29.50	64.97	-0.52
5978	LA-LA	31.54	64.98	-0.52
5979	LA-LA	33.04	64.99	-0.52
5980	LA-LA	34.55	65.00	-0.52
5981	LA-LA	35.06	65.01	-0.52
5982	LA-LA	34.40	65.02	-0.52
5983	LA-LA	33.55	65.03	-0.52
5984	LA-LA	33.74	65.04	-0.52
5985	LA-LA	34.52	65.05	-0.52
5986	LA-LA	35.46	65.06	-1.159
5987	LA-LA	36.08	65.07	-1.59
5988	LA-LA	35.97	65.08	-1.59
5989	LA-LA	35.50	65.09	-1.59
5990	LA-LA	35.10	65.10	-1.59
5991	LA-LA	34.11	65.11	-1.59
5992	LA-LA	32.44	65.11	-1.59
5993	LA-LA	30.13	65.12	-1.59
5994	LA-LA	27.93	65.13	-1.59
5995	LA-LA	25.72	65.14	-1.59
5996	LA-LA	23.32	65.14	-1.59
5997	LA-LA	20.93	65.15	-1.59
5998	LA-LA	18.33	65.15	-0.45
5999	LA-LA	15.40	65.16	-0.45
6000	LA-LA	12.43	65.16	-0.45
6001	LA-LA	9.94	65.16	-0.45
6002	LA-LA	7.82	65.17	-0.45
6003	LA-LA	6.80	65.17	-0.45
6004	LA-LA	5.88	65.17	-0.45
6005	LA-LA	12.40	65.17	-0.45
6006	LA-LA	15.33	65.18	-0.45

time (s)	route	speed (mph)	distance (mi)	grade (%)
6085	LA-LA	31.38	65.49	0.62
6086	LA-LA	32.41	65.49	0.62
6087	LA-LA	33.81	65.50	0.62
6088	LA-LA	30.99	65.51	0.62
6089	LA-LA	30.05	65.52	0.62
6090	LA-LA	28.91	65.53	0.62
6091	LA-LA	27.76	65.54	0.62
6092	LA-LA	27.82	65.54	0.62
6093	LA-LA	29.00	65.55	0.20
6094	LA-LA	30.27	65.56	0.20
6095	LA-LA	31.60	65.57	0.20
6096	LA-LA	33.11	65.58	0.20
6097	LA-LA	34.78	65.59	0.20
6098	LA-LA	36.36	65.60	0.20
6099	LA-LA	36.84	65.61	0.20
6100	LA-LA	36.39	65.62	0.20
6101	LA-LA	37.10	65.63	0.20
6102	LA-LA	37.42	65.64	0.20
6103	LA-LA	36.90	65.65	0.20
6104	LA-LA	35.87	65.66	-0.02
6105	LA-LA	33.78	65.67	-0.02
6106	LA-LA	31.07	65.67	-0.02
6107	LA-LA	28.58	65.68	-0.02
6108	LA-LA	25.73	65.69	-0.02
6109	LA-LA	22.61	65.70	-0.02
6110	LA-LA	19.30	65.70	-0.02
6111	LA-LA	16.05	65.71	-0.02
6112	LA-LA	13.12	65.71	-0.02
6113	LA-LA	10.55	65.71	-0.02
6114	LA-LA	7.81	65.71	-0.02
6115	LA-LA	5.17	65.72	-0.02
6116	LA-LA	3.51	65.72	-0.02
6117	LA-LA	1.93	65.72	-0.02
6118	LA-LA	0.19	65.72	-0.02
6119	LA-LA	0.00	65.72	-0.02
6120	LA-LA	0.00	65.72	-0.02
6121	LA-LA	0.00	65.72	-0.02
6122	LA-LA	0.00	65.72	-0.02
6123	LA-LA	0.00	65.72	-0.02
6124	LA-LA	0.00	65.72	-0.02
6125	LA-LA	0.00	65.72	-0.02
6126	LA-LA	0.00	65.72	-0.02
6127	LA-LA	0.00	65.72	-0.02
6128	LA-LA	0.00	65.72	-0.02
6129	LA-LA	0.00	65.72	-0.02
6130	LA-LA	0.00	65.72	-0.02
6131	LA-LA	0.00	65.72	-0.02
6132	LA-LA	0.00	65.72	-0.02
6133	LA-LA	0.00	65.72	-0.02
6134	LA-LA	0.00	65.72	-0.02
6135	LA-LA	0.00	65.72	-0.02
6136	LA-LA	0.00	65.72	-0.02
6137	LA-LA	1.24	65.72	-0.02
6138	LA-LA	1.66	65.72	-0.02
6139	LA-LA	2.45	65.72	-0.02
6140	LA-LA	4.89	65.72	-0.02
6141	LA-LA	9.32	65.72	-0.02
6142	LA-LA	13.94	65.73	-0.02
6143	LA-LA	15.82	65.73	-0.02
6144	LA-LA	18.82	65.74	-0.02
6145	LA-LA	21.56	65.74	-0.02
6146	LA-LA	23.93	65.75	-0.02
6147	LA-LA	25.74	65.76	1.31
6148	LA-LA	26.35	65.76	1.31
6149	LA-LA	25.88	65.77	1.31
6150	LA-LA	25.53	65.78	1.31
6151	LA-LA	26.17	65.78	1.31
6152	LA-LA	26.76	65.79	1.31
6153	LA-LA	26.58	65.80	1.31
6154	LA-LA	26.62	65.81	1.31
6155	LA-LA	26.19	65.81	1.31
6156	LA-LA	26.98	65.82	1.31
6157	LA-LA	27.90	65.83	1.31
6158	LA-LA	28.96	65.84	1.31
6159	LA-LA	30.16	65.84	1.31
6160	LA-LA	31.84	65.85	0.62
6161	LA-LA	33.56	65.86	0.62
6162	LA-LA	35.06	65.87	0.62

time (s)	route	speed (mph)	distance (mi)	grade (%)
6007	LA-LA	17.99	65.18	-0.45
6008	LA-LA	20.82	65.19	-0.45
6009	LA-LA	23.53	65.20	-0.45
6010	LA-LA	25.80	65.20	-0.45
6011	LA-LA	26.97	65.21	-0.45
6012	LA-LA	27.36	65.22	-0.45
6013	LA-LA	28.64	65.23	-0.45
6014	LA-LA	30.00	65.23	-0.45
6015	LA-LA	30.94	65.24	-0.45
6016	LA-LA	30.50	65.25	0.55
6017	LA-LA	29.75	65.26	0.55
6018	LA-LA	29.02	65.27	0.55
6019	LA-LA	28.12	65.27	0.55
6020	LA-LA	26.86	65.28	0.55
6021	LA-LA	24.62	65.29	0.55
6022	LA-LA	23.22	65.30	0.55
6023	LA-LA	23.07	65.30	0.55
6024	LA-LA	24.24	65.31	0.55
6025	LA-LA	25.64	65.32	0.55
6026	LA-LA	26.99	65.32	0.55
6027	LA-LA	28.04	65.32	0.55
6028	LA-LA	28.30	65.34	0.55
6029	LA-LA	28.24	65.35	0.55
6030	LA-LA	27.45	65.35	1.30
6031	LA-LA	27.35	65.36	1.30
6032	LA-LA	28.04	65.37	1.30
6033	LA-LA	27.98	65.38	1.30
6034	LA-LA	27.05	65.38	1.30
6035	LA-LA	25.12	65.39	1.30
6036	LA-LA	22.64	65.40	1.30
6037	LA-LA	19.69	65.40	1.30
6038	LA-LA	16.08	65.41	1.30
6039	LA-LA	12.24	65.41	1.30
6040	LA-LA	8.34	65.41	1.30
6041	LA-LA	4.09	65.41	1.30
6042	LA-LA	1.53	65.41	1.30
6043	LA-LA	0.00	65.41	1.30
6044	LA-LA	0.00	65.41	1.30
6045	LA-LA	0.00	65.41	1.30
6046	LA-LA	0.00	65.41	1.30
6047	LA-LA	0.00	65.41	1.30
6048	LA-LA	0.00	65.41	1.30
6049	LA-LA	0.00	65.41	1.30
6050	LA-LA	0.00	65.41	1.30
6051	LA-LA	0.00	65.41	1.30
6052	LA-LA	0.00	65.41	1.30
6053	LA-LA	0.00	65.41	1.30
6054	LA-LA	0.00	65.41	1.30
6055	LA-LA	0.00	65.41	1.30
6056	LA-LA	0.00	65.41	1.30
6057	LA-LA	0.00	65.41	1.30
6058	LA-LA	0.00	65.41	1.30
6059	LA-LA	0.00	65.41	1.30
6060	LA-LA	0.00	65.41	1.30
6061	LA-LA	0.00	65.41	1.30
6062	LA-LA	0.00	65.41	1.30
6063	LA-LA	0.00	65.41	1.30
6064	LA-LA	0.00	65.41	1.30
6065	LA-LA	0.00	65.41	1.30
6066	LA-LA	0.00	65.41	1.30
6067	LA-LA	0.00	65.41	1.30
6068	LA-LA	0.00	65.41	1.30
6069	LA-LA	0.00	65.41	1.30
6070	LA-LA	0.00	65.41	1.30
6071	LA-LA	0.00	65.41	1.30
6072	LA-LA	0.00	65.41	1.30
6073	LA-LA	1.45	65.41	1.30
6074	LA-LA	6.07	65.42	1.30
6075	LA-LA	10.65	65.42	1.30
6076	LA-LA	14.51	65.42	1.30
6077	LA-LA	17.48	65.43	1.30
6078	LA-LA	20.52	65.43	1.30
6079	LA-LA	22.83	65.44	1.30
6080	LA-LA	23.82	65.45	1.30
6081	LA-LA	25.04	65.45	0.62
6082	LA-LA	26.64	65.46	0.62
6083	LA-LA	28.47	65.47	0.62
6084	LA-LA	30.14	65.48	0.62

time (s)	route	speed (mph)	distance (mi)	grade (%)
6241	LA-LA	4.14	66.13	1.65
6242	LA-LA	2.52	66.13	1.65
6243	LA-LA	0.74	66.13	1.65
6244	LA-LA	0.00	66.13	1.65
6245	LA-LA	0.00	66.13	1.65
6246	LA-LA	0.00	66.13	1.65
6247	LA-LA	0.00	66.13	1.65
6248	LA-LA	0.00	66.13	1.65
6249	LA-LA	0.00	66.13	1.65
6250	LA-LA	0.00	66.13	1.65
6251	LA-LA	0.00	66.13	1.65
6252	LA-LA	0.00	66.13	1.65
6253	LA-LA	0.00	66.13	1.65
6254	LA-LA	0.00	66.13	1.65
6255	LA-LA	0.00	66.13	1.65
6256	LA-LA	0.00	66.13	1.65
6257	LA-LA	0.00	66.13	1.65
6258	LA-LA	0.00	66.13	1.65
6259	LA-LA	0.00	66.13	1.65
6260	LA-LA	0.00	66.13	1.65
6261	LA-LA	0.00	66.13	1.65
6262	LA-LA	0.00	66.13	1.65
6263	LA-LA	0.00	66.13	1.65
6264	LA-LA	0.00	66.13	1.65
6265	LA-LA	0.00	66.13	1.65
6266	LA-LA	0.00	66.13	1.65
6267	LA-LA	0.00	66.13	1.65
6268	LA-LA	0.00	66.13	1.65
6269	LA-LA	0.00	66.13	1.65
6270	LA-LA	0.00	66.13	1.65
6271	LA-LA	0.00	66.13	1.65
6272	LA-LA	0.00	66.13	1.65
6273	LA-LA	0.00	66.13	1.65
6274	LA-LA	0.00	66.13	1.65
6275	LA-LA	0.00	66.13	1.65
6276	LA-LA	0.00	66.13	1.65
6277	LA-LA	0.00	66.13	1.65
6278	LA-LA	0.00	66.13	1.65
6279	LA-LA	0.00	66.13	1.65
6280	LA-LA	0.00	66.13	1.65
6281	LA-LA	0.00	66.13	1.65
6282	LA-LA	0.00	66.13	1.65
6283	LA-LA	0.00	66.13	1.65
6284	LA-LA	0.00	66.13	1.65
6285	LA-LA	0.00	66.13	1.65
6286	LA-LA	0.00	66.13	1.65
6287	LA-LA	0.00	66.13	1.65
6288	LA-LA	0.00	66.13	1.65
6289	LA-LA	0.00	66.13	1.65
6290	LA-LA	0.00	66.13	1.65
6291	LA-LA	0.00	66.13	1.65
6292	LA-LA	0.00	66.13	1.65
6293	LA-LA	0.00	66.13	1.65
6294	LA-LA	0.63	66.13	1.65
6295	LA-LA	4.99	66.13	1.65
6296	LA-LA	8.67	66.14	1.65
6297	LA-LA	9.61	66.14	1.65
6298	LA-LA	8.37	66.14	1.65
6299	LA-LA	6.50	66.14	1.65
6300	LA-LA	4.78	66.14	1.65
6301	LA-LA	3.48	66.14	1.65
6302	LA-LA	2.10	66.15	1.65
6303	LA-LA	0.62	66.15	1.65
6304	LA-LA	0.00	66.15	1.65
6305	LA-LA	0.00	66.15	1.65
6306	LA-LA	0.00	66.15	1.65
6307	LA-LA	0.43	66.15	1.65
6308	LA-LA	0.00	66.15	1.65
6309	LA-LA	0.00	66.15	1.65
6310	LA-LA	0.00	66.15	1.65
6311	LA-LA	0.00	66.15	1.65
6312	LA-LA	0.00	66.15	1.65
6313	LA-LA	0.00	66.15	1.65
6314	LA-LA	0.00	66.15	1.65
6315	LA-LA	0.00	66.15	1.65
6316	LA-LA	0.00	66.15	1.65
6317	LA-LA	0.00	66.15	1.65
6318	LA-LA	0.00	66.15	1.65

time (s)	route	speed (mph)	distance (mi)	grade (%)
6397	LA-LA	0.53	66.22	0.98
6398	LA-LA	0.00	66.22	0.98
6399	LA-LA	0.00	66.22	0.98
6400	LA-LA	0.00	66.22	0.98
6401	LA-LA	0.00	66.22	0.98
6402	LA-LA	0.00	66.22	0.98
6403	LA-LA	0.00	66.22	0.98
6404	LA-LA	0.64	66.22	0.98
6405	LA-LA	1.94	66.22	0.98
6406	LA-LA	1.99	66.22	0.98
6407	LA-LA	0.87	66.22	0.98
6408	LA-LA	0.00	66.22	0.98
6409	LA-LA	0.00	66.22	0.98
6410	LA-LA	0.00	66.22	0.98
6411	LA-LA	0.00	66.22	0.98
6412	LA-LA	0.00	66.22	0.98
6413	LA-LA	0.00	66.22	0.98
6414	LA-LA	0.00	66.22	0.98
6415	LA-LA	0.00	66.22	0.98
6416	LA-LA	0.00	66.22	0.98
6417	LA-LA	0.00	66.22	0.98
6418	LA-LA	0.00	66.22	0.98
6419	LA-LA	0.00	66.22	0.98
6420	LA-LA	0.00	66.22	0.98
6421	LA-LA	0.00	66.22	0.98
6422	LA-LA	0.00	66.22	0.98
6423	LA-LA	0.27	66.22	0.98
6424	LA-LA	0.00	66.22	0.98
6425	LA-LA	0.00	66.22	0.98
6426	LA-LA	0.00	66.22	0.98
6427	LA-LA	0.00	66.22	0.98
6428	LA-LA	0.00	66.22	0.98
6429	LA-LA	0.00	66.22	0.98
6430	LA-LA	0.00	66.22	0.98
6431	LA-LA	0.00	66.22	0.98
6432	LA-LA	0.00	66.22	0.98
6433	LA-LA	0.00	66.22	0.98
6434	LA-LA	0.00	66.22	0.98
6435	LA-LA	0.00	66.22	0.98
6436	LA-LA	0.00	66.22	0.98
6437	LA-LA	0.00	66.22	0.98
6438	LA-LA	0.00	66.22	0.98
6439	LA-LA	0.00	66.22	0.98
6440	LA-LA	0.00	66.22	0.98
6441	LA-LA	0.00	66.22	0.98
6442	LA-LA	0.00	66.22	0.98
6443	LA-LA	0.00	66.22	0.98
6444	LA-LA	0.33	66.22	0.98
6445	LA-LA	2.98	66.22	0.98
6446	LA-LA	5.35	66.22	0.98
6447	LA-LA	6.27	66.22	0.98
6448	LA-LA	6.62	66.22	0.98
6449	LA-LA	6.60	66.22	0.98
6450	LA-LA	6.32	66.23	0.98
6451	LA-LA	5.79	66.23	0.98
6452	LA-LA	4.52	66.23	0.98
6453	LA-LA	3.58	66.23	0.98
6454	LA-LA	3.78	66.23	0.98
6455	LA-LA	3.84	66.23	0.98
6456	LA-LA	3.25	66.23	0.98
6457	LA-LA	3.53	66.23	0.98
6458	LA-LA	3.45	66.24	0.98
6459	LA-LA	3.01	66.24	0.98
6460	LA-LA	3.36	66.24	0.98
6461	LA-LA	4.02	66.24	0.98
6462	LA-LA	4.58	66.24	0.98
6463	LA-LA	4.99	66.24	0.98
6464	LA-LA	4.85	66.24	0.98
6465	LA-LA	4.97	66.24	0.98
6466	LA-LA	5.30	66.25	0.98
6467	LA-LA	5.58	66.25	0.98
6468	LA-LA	6.65	66.25	0.98
6469	LA-LA	8.45	66.25	1.49
6470	LA-LA	9.44	66.25	1.49
6471	LA-LA	8.88	66.26	1.49
6472	LA-LA	8.23	66.26	1.49
6473	LA-LA	7.57	66.26	1.49
6474	LA-LA	6.97	66.26	1.49

time (s)	route	speed (mph)	distance (mi)	grade (%)
6319	LA-LA	0.00	66.15	1.65
6320	LA-LA	0.00	66.15	1.65
6321	LA-LA	0.00	66.15	1.65
6322	LA-LA	0.00	66.15	1.65
6323	LA-LA	0.00	66.15	1.65
6324	LA-LA	0.00	66.15	1.65
6325	LA-LA	0.00	66.15	1.65
6326	LA-LA	0.00	66.15	1.65
6327	LA-LA	0.00	66.15	1.65
6328	LA-LA	0.00	66.15	1.65
6329	LA-LA	0.97	66.15	1.65
6330	LA-LA	1.56	66.15	1.65
6331	LA-LA	3.29	66.15	1.65
6332	LA-LA	5.88	66.15	1.65
6333	LA-LA	8.22	66.15	0.98
6334	LA-LA	9.90	66.15	0.98
6335	LA-LA	9.80	66.16	0.98
6336	LA-LA	8.82	66.16	0.98
6337	LA-LA	7.94	66.16	0.98
6338	LA-LA	7.37	66.16	0.98
6339	LA-LA	7.09	66.16	0.98
6340	LA-LA	6.65	66.17	0.98
6341	LA-LA	6.21	66.17	0.98
6342	LA-LA	5.92	66.17	0.98
6343	LA-LA	5.77	66.17	0.98
6344	LA-LA	5.82	66.17	0.98
6345	LA-LA	5.90	66.17	0.98
6346	LA-LA	5.05	66.18	0.98
6347	LA-LA	3.61	66.18	0.98
6348	LA-LA	2.02	66.18	0.98
6349	LA-LA	1.19	66.18	0.98
6350	LA-LA	0.16	66.18	0.98
6351	LA-LA	0.00	66.18	0.98
6352	LA-LA	0.00	66.18	0.98
6353	LA-LA	0.00	66.18	0.98
6354	LA-LA	0.57	66.18	0.98
6355	LA-LA	1.63	66.18	0.98
6356	LA-LA	2.61	66.18	0.98
6357	LA-LA	3.35	66.18	0.98
6358	LA-LA	5.14	66.18	0.98
6359	LA-LA	6.11	66.18	0.98
6360	LA-LA	6.49	66.19	0.98
6361	LA-LA	6.08	66.19	0.98
6362	LA-LA	5.15	66.19	0.98
6363	LA-LA	4.11	66.19	0.98
6364	LA-LA	2.70	66.19	0.98
6365	LA-LA	1.42	66.19	0.98
6366	LA-LA	1.59	66.19	0.98
6367	LA-LA	2.40	66.19	0.98
6368	LA-LA	3.14	66.19	0.98
6369	LA-LA	3.79	66.19	0.98
6370	LA-LA	3.98	66.19	0.98
6371	LA-LA	3.34	66.20	0.98
6372	LA-LA	2.83	66.20	0.98
6373	LA-LA	2.58	66.20	0.98
6374	LA-LA	2.36	66.20	0.98
6375	LA-LA	2.28	66.20	0.98
6376	LA-LA	2.84	66.20	0.98
6377	LA-LA	2.69	66.20	0.98
6378	LA-LA	2.17	66.20	0.98
6379	LA-LA	1.44	66.20	0.98
6380	LA-LA	1.43	66.20	0.98
6381	LA-LA	2.22	66.20	0.98
6382	LA-LA	2.99	66.20	0.98
6383	LA-LA	3.65	66.20	0.98
6384	LA-LA	4.22	66.20	0.98
6385	LA-LA	4.52	66.21	0.98
6386	LA-LA	5.02	66.21	0.98
6387	LA-LA	5.36	66.21	0.98
6388	LA-LA	4.31	66.21	0.98
6389	LA-LA	3.43	66.21	0.98
6390	LA-LA	2.80	66.21	0.98
6391	LA-LA	2.35	66.21	0.98
6392	LA-LA	1.99	66.21	0.98
6393	LA-LA	2.66	66.21	0.98
6394	LA-LA	2.43	66.21	0.98
6395	LA-LA	2.06	66.22	0.98
6396	LA-LA	1.56	66.22	0.98

time (s)	route	speed (mph)	distance (mi)	grade (%)
6475	LA-LA	7.09		

time (s)	route	speed (mph)	distance (mi)	grade (%)
6553	LA-LA	7.04	66.31	1.49
6554	LA-LA	7.91	66.31	1.49
6555	LA-LA	8.75	66.31	1.49
6556	LA-LA	10.06	66.32	1.49
6557	LA-LA	10.66	66.32	1.49
6558	LA-LA	10.30	66.32	1.49
6559	LA-LA	9.49	66.33	1.49
6560	LA-LA	8.46	66.33	1.49
6561	LA-LA	9.09	66.33	1.49
6562	LA-LA	8.47	66.33	1.49
6563	LA-LA	7.24	66.33	1.49
6564	LA-LA	6.13	66.34	1.49
6565	LA-LA	4.90	66.34	1.49
6566	LA-LA	3.19	66.34	1.49
6567	LA-LA	0.87	66.34	1.49
6568	LA-LA	0.00	66.34	1.49
6569	LA-LA	0.00	66.34	1.49
6570	LA-LA	0.00	66.34	1.49
6571	LA-LA	0.00	66.34	1.49
6572	LA-LA	0.00	66.34	1.49
6573	LA-LA	0.00	66.34	1.49
6574	LA-LA	0.00	66.34	1.49
6575	LA-LA	0.00	66.34	1.49
6576	LA-LA	0.00	66.34	1.49
6577	LA-LA	0.00	66.34	1.49
6578	LA-LA	0.00	66.34	1.49
6579	LA-LA	0.00	66.34	1.49
6580	LA-LA	0.00	66.34	1.49
6581	LA-LA	0.00	66.34	1.49
6582	LA-LA	0.00	66.34	1.49
6583	LA-LA	0.00	66.34	1.49
6584	LA-LA	0.00	66.34	1.49
6585	LA-LA	0.00	66.34	1.49
6586	LA-LA	0.00	66.34	1.49
6587	LA-LA	0.00	66.34	1.49
6588	LA-LA	0.00	66.34	1.49
6589	LA-LA	0.00	66.34	1.49
6590	LA-LA	0.00	66.34	1.49
6591	LA-LA	0.00	66.34	1.49
6592	LA-LA	0.00	66.34	1.49
6593	LA-LA	0.00	66.34	1.49
6594	LA-LA	0.00	66.34	1.49
6595	LA-LA	0.00	66.34	1.49
6596	LA-LA	0.00	66.34	1.49
6597	LA-LA	0.00	66.34	1.49
6598	LA-LA	0.00	66.34	1.49
6599	LA-LA	0.00	66.34	1.49
6600	LA-LA	0.00	66.34	1.49
6601	LA-LA	0.00	66.34	1.49
6602	LA-LA	0.00	66.34	1.49
6603	LA-LA	0.00	66.34	1.49
6604	LA-LA	0.00	66.34	1.49
6605	LA-LA	0.00	66.34	1.49
6606	LA-LA	1.41	66.34	1.49
6607	LA-LA	3.91	66.34	1.49
6608	LA-LA	5.23	66.34	1.49
6609	LA-LA	6.86	66.34	1.49
6610	LA-LA	9.06	66.35	1.49
6611	LA-LA	11.39	66.35	1.49
6612	LA-LA	12.84	66.35	2.04
6613	LA-LA	15.36	66.36	2.04
6614	LA-LA	19.11	66.36	2.04
6615	LA-LA	23.46	66.37	2.04
6616	LA-LA	26.96	66.38	2.04
6617	LA-LA	30.80	66.38	2.04
6618	LA-LA	33.97	66.39	2.04
6619	LA-LA	36.72	66.40	2.04
6620	LA-LA	39.52	66.41	2.04
6621	LA-LA	40.94	66.43	2.04
6622	LA-LA	42.58	66.44	2.04
6623	LA-LA	44.13	66.45	2.04
6624	LA-LA	45.17	66.46	0.97
6625	LA-LA	45.76	66.47	0.97
6626	LA-LA	45.00	66.49	0.97
6627	LA-LA	43.80	66.50	0.97
6628	LA-LA	42.03	66.51	0.97
6629	LA-LA	39.78	66.52	0.97
6630	LA-LA	37.04	66.53	0.97

time (s)	route	speed (mph)	distance (mi)	grade (%)
6709	LA-LA	13.75	66.82	0.21
6710	LA-LA	17.85	66.83	0.21
6711	LA-LA	21.73	66.83	0.21
6712	LA-LA	25.17	66.84	0.21
6713	LA-LA	28.58	66.85	0.21
6714	LA-LA	31.22	66.86	-0.69
6715	LA-LA	33.54	66.87	-0.69
6716	LA-LA	35.40	66.88	-0.69
6717	LA-LA	36.91	66.89	-0.69
6718	LA-LA	37.92	66.90	-0.69
6719	LA-LA	38.68	66.91	-0.69
6720	LA-LA	39.71	66.92	-0.69
6721	LA-LA	40.71	66.93	-0.69
6722	LA-LA	41.68	66.94	-0.69
6723	LA-LA	42.31	66.95	-1.76
6724	LA-LA	42.19	66.96	-1.76
6725	LA-LA	42.14	66.98	-1.76
6726	LA-LA	42.78	66.99	-1.76
6727	LA-LA	43.68	67.00	-1.76
6728	LA-LA	44.46	67.01	-1.76
6729	LA-LA	44.40	67.02	-1.76
6730	LA-LA	44.99	67.04	-1.76
6731	LA-LA	45.60	67.05	-1.76
6732	LA-LA	44.80	67.06	0.20
6733	LA-LA	43.71	67.07	0.20
6734	LA-LA	43.49	67.09	0.20
6735	LA-LA	43.45	67.10	0.20
6736	LA-LA	42.48	67.11	0.20
6737	LA-LA	41.96	67.12	0.20
6738	LA-LA	39.21	67.13	0.20
6739	LA-LA	34.64	67.14	0.20
6740	LA-LA	29.55	67.15	0.20
6741	LA-LA	25.33	67.16	0.17
6742	LA-LA	21.19	67.16	0.17
6743	LA-LA	17.16	67.17	0.17
6744	LA-LA	12.53	67.17	0.17
6745	LA-LA	8.56	67.17	0.17
6746	LA-LA	4.43	67.17	0.17
6747	LA-LA	1.56	67.17	0.17
6748	LA-LA	0.00	67.17	0.17
6749	LA-LA	0.00	67.17	0.17
6750	LA-LA	0.00	67.17	0.17
6751	LA-LA	0.00	67.17	0.17
6752	LA-LA	0.00	67.17	0.17
6753	LA-LA	0.00	67.17	0.17
6754	LA-LA	0.00	67.17	0.17
6755	LA-LA	0.00	67.17	0.17
6756	LA-LA	0.00	67.17	0.17
6757	LA-LA	0.00	67.17	0.17
6758	LA-LA	0.00	67.17	0.17
6759	LA-LA	0.00	67.17	0.17
6760	LA-LA	0.00	67.17	0.17
6761	LA-LA	0.00	67.17	0.17
6762	LA-LA	0.00	67.17	0.17
6763	LA-LA	0.00	67.17	0.17
6764	LA-LA	0.00	67.17	0.17
6765	LA-LA	0.00	67.17	0.17
6766	LA-LA	0.00	67.17	0.17
6767	LA-LA	0.00	67.17	0.17
6768	LA-LA	0.00	67.17	0.17
6769	LA-LA	0.00	67.17	0.17
6770	LA-LA	0.00	67.17	0.17
6771	LA-LA	0.00	67.17	0.17
6772	LA-LA	0.00	67.17	0.17
6773	LA-LA	1.00	67.17	0.17
6774	LA-LA	5.71	67.18	0.17
6775	LA-LA	10.82	67.18	0.17
6776	LA-LA	14.57	67.18	0.17
6777	LA-LA	17.46	67.19	0.17
6778	LA-LA	20.12	67.19	0.17
6779	LA-LA	22.54	67.20	0.17
6780	LA-LA	24.52	67.21	0.17
6781	LA-LA	25.01	67.21	0.17
6782	LA-LA	24.16	67.22	0.17
6783	LA-LA	21.94	67.23	0.17
6784	LA-LA	19.14	67.23	0.17
6785	LA-LA	16.26	67.24	0.17
6786	LA-LA	15.36	67.24	0.17

time (s)	route	speed (mph)	distance (mi)	grade (%)
6631	LA-LA	33.67	66.54	0.97
6632	LA-LA	29.72	66.55	0.97
6633	LA-LA	27.02	66.56	0.01
6634	LA-LA	26.62	66.56	0.01
6635	LA-LA	26.08	66.57	0.01
6636	LA-LA	24.45	66.58	0.01
6637	LA-LA	21.66	66.58	0.01
6638	LA-LA	18.70	66.59	0.01
6639	LA-LA	15.49	66.59	0.01
6640	LA-LA	12.27	66.60	0.01
6641	LA-LA	9.21	66.60	0.01
6642	LA-LA	5.80	66.60	0.01
6643	LA-LA	2.94	66.60	0.01
6644	LA-LA	0.51	66.60	0.01
6645	LA-LA	0.00	66.60	0.01
6646	LA-LA	0.00	66.60	0.01
6647	LA-LA	0.00	66.60	0.01
6648	LA-LA	0.00	66.60	0.01
6649	LA-LA	0.00	66.60	0.01
6650	LA-LA	0.00	66.60	0.01
6651	LA-LA	0.00	66.60	0.01
6652	LA-LA	0.00	66.60	0.01
6653	LA-LA	0.00	66.60	0.01
6654	LA-LA	0.00	66.60	0.01
6655	LA-LA	0.00	66.60	0.01
6656	LA-LA	0.00	66.60	0.01
6657	LA-LA	0.00	66.60	0.01
6658	LA-LA	0.00	66.60	0.01
6659	LA-LA	0.00	66.60	0.01
6660	LA-LA	2.11	66.60	0.01
6661	LA-LA	7.50	66.60	0.01
6662	LA-LA	12.27	66.61	0.01
6663	LA-LA	15.91	66.61	0.01
6664	LA-LA	19.55	66.62	0.01
6665	LA-LA	23.17	66.62	0.01
6666	LA-LA	26.31	66.63	0.01
6667	LA-LA	28.56	66.64	0.01
6668	LA-LA	31.06	66.65	0.01
6669	LA-LA	33.52	66.66	0.53
6670	LA-LA	35.08	66.67	0.53
6671	LA-LA	36.59	66.68	0.53
6672	LA-LA	38.04	66.69	0.53
6673	LA-LA	39.07	66.70	0.53
6674	LA-LA	39.88	66.71	0.53
6675	LA-LA	40.63	66.72	0.53
6676	LA-LA	41.26	66.73	0.53
6677	LA-LA	42.06	66.74	0.53
6678	LA-LA	42.23	66.75	0.21
6679	LA-LA	40.52	66.77	0.21
6680	LA-LA	37.12	66.78	0.21
6681	LA-LA	32.56	66.78	0.21
6682	LA-LA	27.60	66.79	0.21
6683	LA-LA	23.26	66.80	0.21
6684	LA-LA	18.88	66.80	0.21
6685	LA-LA	15.02	66.81	0.21
6686	LA-LA	11.49	66.81	0.21
6687	LA-LA	7.86	66.81	0.21
6688	LA-LA	4.30	66.81	0.21
6689	LA-LA	2.29	66.81	0.21
6690	LA-LA	1.28	66.82	0.21
6691	LA-LA	1.86	66.82	0.21
6692	LA-LA	1.72	66.82	0.21
6693	LA-LA	0.83	66.82	0.21
6694	LA-LA	0.00	66.82	0.21
6695	LA-LA	0.00	66.82	0.21
6696	LA-LA	0.00	66.82	0.21
6697	LA-LA	0.00	66.82	0.21
6698	LA-LA	0.00	66.82	0.21
6699	LA-LA	0.00	66.82	0.21
6700	LA-LA	0.00	66.82	0.21
6701	LA-LA	0.00	66.82	0.21
6702	LA-LA	0.00	66.82	0.21
6703	LA-LA	0.00	66.82	0.21
6704	LA-LA	0.00	66.82	0.21
6705	LA-LA	0.00	66.82	0.21
6706	LA-LA	0.00	66.82	0.21
6707	LA-LA	2.41	66.82	0.21
6708	LA-LA	8.31	66.82	0.21

time (s)	route	speed (mph)	distance (mi)	grade (%)
6865	LA-LA	0.00	67.79	0.46
6866	LA-LA	0.00	67.79	0.46
6867	LA-LA	0.00	67.79	0.46
6868	LA-LA	0.00	67.79	0.46
6869	LA-LA	0.57	67.79	0.46
6870	LA-LA	5.52	67.79	0.46
6871	LA-LA	11.18	67.79	0.46
6872	LA-LA	15.05	67.80	0.46
6873	LA-LA	18.08	67.80	0.46
6874	LA-LA	21.04	67.81	0.46
6875	LA-LA	23.71	67.82	0.46
6876	LA-LA	25.91	67.82	0.46
6877	LA-LA	27.85	67.83	0.46
6878	LA-LA	29.44	67.84	0.46
6879	LA-LA	30.56	67.85	0.46
6880	LA-LA	31.40	67.86	0.19
6881	LA-LA	32.40	67.87	0.19
6882	LA-LA	32.53	67.87	0.19
6883	LA-LA	31.71	67.88	0.19
6884	LA-LA	32.79	67.89	0.19
6885	LA-LA	33.90	67.90	0.19
6886	LA-LA	35.05	67.91	0.19
6887	LA-LA	35.59	67.92	0.19
6888	LA-LA	35.49	67.93	0.19
6889	LA-LA	34.99	67.94	0.19
6890	LA-LA	34.36	67.95	0.19
6891	LA-LA	33.48	67.96	-0.21
6892	LA-LA	31.85	67.97	-0.21
6893	LA-LA	30.58	67.98	-0.21
6894	LA-LA	30.22	67.98	-0.21
6895	LA-LA	30.65	67.99	-0.21
6896	LA-LA	30.76	68.00	-0.21
6897	LA-LA	30.16	68.01	-0.21
6898	LA-LA	29.70	68.02	-0.21
6899	LA-LA	29.12	68.03	-0.21
6900	LA-LA	29.54	68.03	-0.21
6901	LA-LA	28.78	68.04	-0.21
6902	LA-LA	27.05	68.05	-0.21
6903	LA-LA	24.70	68.06	-0.45
6904	LA-LA	22.78	68.06	-0.45
6905	LA-LA	20.56	68.07	-0.45
6906	LA-LA	18.33	68.07	-0.45
6907	LA-LA	16.65	68.08	-0.45
6908	LA-LA	14.78	68.08	-0.45
6909	LA-LA	12.78	68.08	-0.45
6910	LA-LA	11.16	68.09	-0.45
6911	LA-LA	11.34	68.09	-0.45
6912	LA-LA	13.54	68.09	-0.45
6913	LA-LA	16.51	68.10	-0.45
6914	LA-LA	19.52	68.10	-0.45
6915	LA-LA	22.03	68.11	-0.45
6916	LA-LA	23.83	68.12	-0.45
6917	LA-LA	24.31	68.12	-0.45
6918	LA-LA	24.27	68.13	-0.45
6919	LA-LA	23.83	68.14	-0.45
6920	LA-LA	24.05	68.14	-0.45
6921	LA-LA	24.90	68.15	-0.92
6922	LA-LA	24.60	68.16	-0.92
6923	LA-LA	24.59	68.16	-0.92
6924	LA-LA	25.99	68.17	-0.92
6925	LA-LA	26.28	68.18	-0.92
6926	LA-LA	25.83	68.19	-0.92
6927	LA-LA	24.35	68.19	-0.92
6928	LA-LA	22.04	68.20	-0.92
6929	LA-LA	19.34	68.20	-0.92
6930	LA-LA	16.20	68.21	-0.92
6931	LA-LA	12.28	68.21	-0.92
6932	LA-LA	7.91	68.21	-0.92
6933	LA-LA	4.07	68.21	-0.92
6934	LA-LA	1.34	68.21	-0.92
6935	LA-LA	0.00	68.21	-0.92
6936	LA-LA	0.00	68.21	-0.92
6937	LA-LA	0.00	68.21	-0.92
6938	LA-LA	0.00	68.21	-0.92
6939	LA-LA	0.00	68.21	-0.92
6940	LA-LA	0.00	68.21	-0.92
6941	LA-LA	0.00	68.21	-0.92
6942	LA-LA	0.00	68.21	-0.92

time (s)	route	speed (mph)	distance (mi)	grade (%)
7021	LA-LA	10.07	68.37	-0.08
7022	LA-LA	12.85	68.37	-0.08
7023	LA-LA	14.85	68.38	-0.08
7024	LA-LA	16.92	68.38	-0.08
7025	LA-LA	18.95	68.39	-0.08
7026	LA-LA	20.41	68.39	-0.08
7027	LA-LA	20.32	68.40	-0.08
7028	LA-LA	19.81	68.40	-0.08
7029	LA-LA	20.07	68.41	-0.08
7030	LA-LA	20.32	68.41	-0.08
7031	LA-LA	19.91	68.42	-0.08
7032	LA-LA	19.29	68.42	-0.08
7033	LA-LA	17.80	68.43	-0.08
7034	LA-LA	15.25	68.43	-0.08
7035	LA-LA	12.42	68.44	-0.08
7036	LA-LA	9.68	68.44	-0.08
7037	LA-LA	6.39	68.44	-0.08
7038	LA-LA	3.55	68.44	-0.08
7039	LA-LA	1.77	68.44	-0.08
7040	LA-LA	0.17	68.44	-0.08
7041	LA-LA	0.00	68.44	-0.08
7042	LA-LA	0.46	68.44	-0.08
7043	LA-LA	4.21	68.44	-0.08
7044	LA-LA	8.01	68.45	-0.08
7045	LA-LA	11.53	68.45	-0.08
7046	LA-LA	14.50	68.45	-0.03
7047	LA-LA	17.20	68.46	-0.03
7048	LA-LA	19.87	68.46	-0.03
7049	LA-LA	21.99	68.47	-0.03
7050	LA-LA	23.66	68.48	-0.03
7051	LA-LA	24.18	68.48	-0.03
7052	LA-LA	23.63	68.49	-0.03
7053	LA-LA	21.52	68.49	-0.03
7054	LA-LA	18.17	68.50	-0.03
7055	LA-LA	14.47	68.50	-0.03
7056	LA-LA	10.90	68.51	-0.03
7057	LA-LA	8.35	68.51	-0.03
7058	LA-LA	6.98	68.51	-0.03
7059	LA-LA	6.62	68.51	-0.03
7060	LA-LA	6.28	68.51	-0.03
7061	LA-LA	5.72	68.52	-0.03
7062	LA-LA	5.02	68.52	-0.03
7063	LA-LA	5.06	68.52	-0.03
7064	LA-LA	6.98	68.52	-0.03
7065	LA-LA	9.20	68.52	-0.03
7066	LA-LA	11.18	68.53	-0.03
7067	LA-LA	13.76	68.53	-0.03
7068	LA-LA	16.72	68.53	-0.03
7069	LA-LA	19.10	68.54	-0.03
7070	LA-LA	20.88	68.55	-0.03
7071	LA-LA	22.46	68.55	-0.19
7072	LA-LA	23.68	68.56	-0.19
7073	LA-LA	23.55	68.56	-0.19
7074	LA-LA	22.52	68.57	-0.19
7075	LA-LA	20.68	68.58	-0.19
7076	LA-LA	18.41	68.58	-0.19
7077	LA-LA	15.30	68.59	-0.19
7078	LA-LA	11.97	68.59	-0.19
7079	LA-LA	11.12	68.59	-0.19
7080	LA-LA	10.71	68.60	-0.19
7081	LA-LA	9.25	68.60	-0.19
7082	LA-LA	6.70	68.60	-0.19
7083	LA-LA	4.46	68.60	-0.19
7084	LA-LA	4.30	68.60	-0.19
7085	LA-LA	6.83	68.60	-0.19
7086	LA-LA	10.06	68.61	-0.19
7087	LA-LA	11.64	68.61	-0.19
7088	LA-LA	13.00	68.61	-0.19
7089	LA-LA	14.95	68.62	-0.19
7090	LA-LA	17.15	68.62	-0.19
7091	LA-LA	18.86	68.63	-0.19
7092	LA-LA	19.11	68.63	-0.19
7093	LA-LA	18.87	68.64	-0.19
7094	LA-LA	18.40	68.64	-0.19
7095	LA-LA	16.88	68.65	-0.19
7096	LA-LA	14.25	68.65	0.16
7097	LA-LA	11.20	68.65	0.16
7098	LA-LA	8.15	68.66	0.16

time (s)	route	speed (mph)	distance (mi)	grade (%)
6943	LA-LA	0.00	68.21	-0.92
6944	LA-LA	0.00	68.21	-0.92
6945	LA-LA	0.00	68.21	-0.92
6946	LA-LA	0.00	68.21	-0.92
6947	LA-LA	0.00	68.21	-0.92
6948	LA-LA	0.00	68.21	-0.92
6949	LA-LA	0.00	68.21	-0.92
6950	LA-LA	0.00	68.21	-0.92
6951	LA-LA	0.00	68.21	-0.92
6952	LA-LA	0.00	68.21	-0.92
6953	LA-LA	0.00	68.21	-0.92
6954	LA-LA	1.54	68.22	-0.92
6955	LA-LA	5.54	68.22	-0.92
6956	LA-LA	10.25	68.22	-0.92
6957	LA-LA	13.08	68.22	-0.92
6958	LA-LA	15.83	68.23	-0.92
6959	LA-LA	18.88	68.23	-0.92
6960	LA-LA	21.32	68.24	-0.92
6961	LA-LA	22.12	68.24	-0.92
6962	LA-LA	23.99	68.25	0.04
6963	LA-LA	25.29	68.26	0.04
6964	LA-LA	24.98	68.27	0.04
6965	LA-LA	24.26	68.27	0.04
6966	LA-LA	23.80	68.28	0.04
6967	LA-LA	24.55	68.29	0.04
6968	LA-LA	24.43	68.29	0.04
6969	LA-LA	25.36	68.30	0.04
6970	LA-LA	26.44	68.31	0.04
6971	LA-LA	26.02	68.31	0.04
6972	LA-LA	25.68	68.32	0.04
6973	LA-LA	25.65	68.33	0.04
6974	LA-LA	25.15	68.33	0.04
6975	LA-LA	23.30	68.34	0.04
6976	LA-LA	20.34	68.35	0.04
6977	LA-LA	17.05	68.35	-0.08
6978	LA-LA	13.67	68.35	-0.08
6979	LA-LA	10.30	68.36	-0.08
6980	LA-LA	7.28	68.36	-0.08
6981	LA-LA	5.34	68.36	-0.08
6982	LA-LA	3.97	68.36	-0.08
6983	LA-LA	2.80	68.36	-0.08
6984	LA-LA	1.43	68.36	-0.08
6985	LA-LA	0.00	68.36	-0.08
6986	LA-LA	0.00	68.36	-0.08
6987	LA-LA	0.00	68.36	-0.08
6988	LA-LA	0.00	68.36	-0.08
6989	LA-LA	0.00	68.36	-0.08
6990	LA-LA	0.00	68.36	-0.08
6991	LA-LA	0.00	68.36	-0.08
6992	LA-LA	0.00	68.36	-0.08
6993	LA-LA	0.00	68.36	-0.08
6994	LA-LA	0.00	68.36	-0.08
6995	LA-LA	0.00	68.36	-0.08
6996	LA-LA	0.00	68.36	-0.08
6997	LA-LA	0.00	68.36	-0.08
6998	LA-LA	0.00	68.36	-0.08
6999	LA-LA	0.00	68.36	-0.08
7000	LA-LA	0.00	68.36	-0.08
7001	LA-LA	0.00	68.36	-0.08
7002	LA-LA	0.00	68.36	-0.08
7003	LA-LA	0.00	68.36	-0.08
7004	LA-LA	0.00	68.36	-0.08
7005	LA-LA	0.00	68.36	-0.08
7006	LA-LA	0.00	68.36	-0.08
7007	LA-LA	0.00	68.36	-0.08
7008	LA-LA	0.00	68.36	-0.08
7009	LA-LA	0.00	68.36	-0.08
7010	LA-LA	0.00	68.36	-0.08
7011	LA-LA	0.00	68.36	-0.08
7012	LA-LA	0.29	68.36	-0.08
7013	LA-LA	0.00	68.36	-0.08
7014	LA-LA	0.00	68.36	-0.08
7015	LA-LA	0.00	68.36	-0.08
7016	LA-LA	0.00	68.36	-0.08
7017	LA-LA	0.00	68.36	-0.08
7018	LA-LA	0.00	68.36	-0.08
7019	LA-LA	1.12	68.36	-0.08
7020	LA-LA	5.75	68.37	-0.08

time (s)	route	speed (mph)	distance (mi)	grade (%)
7177	LA-LA	0.00	68.84	0.55
7178	LA-LA	0.00	68.84	0.55
7179	LA-LA	0.00	68.84	0.55
7180	LA-LA	0.00	68.84	0.55
7181	LA-LA	0.00	68.84	0.55
7182	LA-LA	0.00	68.84	0.55
7183	LA-LA	0.00	68.84	0.55
7184	LA-LA	0.00	68.84	0.55
7185	LA-LA	0.00	68.84	0.55
7186	LA-LA	0.00	68.84	0.55
7187	LA-LA	0.00	68.84	0.55
7188	LA-LA	0.00	68.84	0.55
7189	LA-LA	0.00	68.84	0.55
7190	LA-LA	0.00	68.84	0.55
7191	LA-LA	0.00	68.84	0.55
7192	LA-LA	0.00	68.84	0.55
7193	LA-LA	0.00	68.84	0.55
7194	LA-LA	0.00	68.84	0.55
7195	LA-LA	0.00	68.84	0.55
7196	LA-LA	0.00	68.84	0.55
7197	LA-LA	0.00	68.84	0.55
7198	LA-LA	0.00	68.84	0.55
7199	LA-LA	0.00	68.84	0.55
7200	LA-LA	0.00	68.84	0.55
7201	LA-LA	0.00	68.84	0.55
7202	LA-LA	0.00	68.84	0.55
7203	LA-LA	0.00	68.84	0.55
7204	LA-LA	0.00	68.84	0.55
7205	LA-LA	0.00	68.84	0.55
7206	LA-LA	0.00	68.84	0.55
7207	LA-LA	0.00	68.84	0.55
7208	LA-LA	0.00	68.84	0.55
7209	LA-LA	0.00	68.84	0.55
7210	LA-LA	1.69	68.84	0.55
7211	LA-LA	5.59	68.84	0.55
7212	LA-LA	8.59	68.84	0.55
7213	LA-LA	11.02	68.84	0.55
7214	LA-LA	11.93	68.85	0.55
7215	LA-LA	11.82	68.85	0.46
7216	LA-LA	11.41	68.85	0.46
7217	LA-LA	9.69	68.86	0.46
7218	LA-LA	7.46	68.86	0.46
7219	LA-LA	5.26	68.86	0.46
7220	LA-LA	3.74	68.86	0.46
7221	LA-LA	2.71	68.86	0.46
7222	LA-LA	3.34	68.86	0.46
7223	LA-LA	3.10	68.86	0.46
7224	LA-LA	2.07	68.86	0.46
7225	LA-LA	1.38	68.86	0.46
7226	LA-LA	1.19	68.87	0.46
7227	LA-LA	1.36	68.87	0.46
7228	LA-LA	2.26	68.87	0.46
7229	LA-LA	3.43	68.87	0.46
7230	LA-LA	5.94	68.87	0.46
7231	LA-LA	7.46	68.87	0.46
7232	LA-LA	9.84	68.87	0.46
7233	LA-LA	11.97	68.88	0.46
7234	LA-LA	13.85	68.88	0.46
7235	LA-LA	14.27	68.88	0.46
7236	LA-LA	12.75	68.89	0.46
7237	LA-LA	10.91	68.89	0.46
7238	LA-LA	10.65	68.89	0.46
7239	LA-LA	11.02	68.90	0.46
7240	LA-LA	12.07	68.90	0.46
7241	LA-LA	13.55	68.90	0.46
7242	LA-LA	15.50	68.91	0.46
7243	LA-LA	18.07	68.91	0.46
7244	LA-LA	18.68	68.92	0.46
7245	LA-LA	19.02	68.92	0.46
7246	LA-LA	18.93	68.93	0.46
7247	LA-LA	17.78	68.93	0.46
7248	LA-LA	15.34	68.94	0.46
7249	LA-LA	12.20	68.94	0.46
7250	LA-LA	7.96	68.94	0.46
7251	LA-LA	3.43	68.94	0.46
7252	LA-LA	0.21	68.94	0.46
7253	LA-LA	0.00	68.94	0.46
7254	LA-LA	0.00	68.94	0.46

time (s)	route	speed (mph)	distance (mi)	grade (%)
7333	LA-LA	0.00	69.15	0.27
7334	LA-LA	0.00	69.15	0.27
7335	LA-LA	0.00	69.15	0.27
7336	LA-LA	0.00	69.15	0.27
7337	LA-LA	0.00	69.15	0.27
7338	LA-LA	0.00	69.15	0.27
7339	LA-LA	0.00	69.15	0.27
7340	LA-LA	0.00	69.15	0.27
7341	LA-LA	0.00	69.15	0.27
7342	LA-LA	0.00	69.15	0.27
7343	LA-LA	0.00	69.15	0.27
7344	LA-LA	0.00	69.15	0.27
7345	LA-LA	0.00	69.15	0.27
7346	LA-LA	0.00	69.15	0.27
7347	LA-LA	0.00	69.15	0.27
7348	LA-LA	0.00	69.15	0.27
7349	LA-LA	0.00	69.15	0.27
7350	LA-LA	0.00	69.15	0.27
7351	LA-LA	0.00	69.15	0.27
7352	LA-LA	0.00	69.15	0.27
7353	LA-LA	0.00	69.15	0.27
7354	LA-LA	0.00	69.15	0.27
7355	LA-LA	0.00	69.15	0.27
7356	LA-LA	0.00	69.15	0.27
7357	LA-LA	0.00	69.15	0.27
7358	LA-LA	0.00	69.15	0.27
7359	LA-LA	0.00	69.15	0.27
7360	LA-LA	0.41	69.15	0.27
7361	LA-LA	3.44	69.15	0.27
7362	LA-LA	7.74	69.15	0.27
7363	LA-LA	11.72	69.16	0.27
7364	LA-LA	14.53	69.16	0.27
7365	LA-LA	16.86	69.17	0.27
7366	LA-LA	19.19	69.17	0.27
7367	LA-LA	21.32	69.18	0.27
7368	LA-LA	23.37	69.18	0.27
7369	LA-LA	25.17	69.19	0.27
7370	LA-LA	26.69	69.20	0.27
7371	LA-LA	27.82	69.20	0.27
7372	LA-LA	28.00	69.21	0.27
7373	LA-LA	27.17	69.22	0.27
7374	LA-LA	26.30	69.23	0.27
7375	LA-LA	25.42	69.23	0.27
7376	LA-LA	24.60	69.24	0.27
7377	LA-LA	24.02	69.25	0.27
7378	LA-LA	23.49	69.25	0.41
7379	LA-LA	22.75	69.26	0.41
7380	LA-LA	20.72	69.27	0.41
7381	LA-LA	18.48	69.27	0.41
7382	LA-LA	16.38	69.28	0.41
7383	LA-LA	13.56	69.28	0.41
7384	LA-LA	11.08	69.28	0.41
7385	LA-LA	8.49	69.28	0.41
7386	LA-LA	5.85	69.29	0.41
7387	LA-LA	4.13	69.29	0.41
7388	LA-LA	2.18	69.29	0.41
7389	LA-LA	0.19	69.29	0.41
7390	LA-LA	0.11	69.29	0.41
7391	LA-LA	5.05	69.29	0.41
7392	LA-LA	9.79	69.29	0.41
7393	LA-LA	12.95	69.30	0.41
7394	LA-LA	14.75	69.30	0.41
7395	LA-LA	16.03	69.30	0.41
7396	LA-LA	17.35	69.31	0.41
7397	LA-LA	18.99	69.31	0.41
7398	LA-LA	20.84	69.32	0.41
7399	LA-LA	22.40	69.33	0.41
7400	LA-LA	23.18	69.33	0.41
7401	LA-LA	22.69	69.34	0.41
7402	LA-LA	23.12	69.35	0.41
7403	LA-LA	23.11	69.35	0.39
7404	LA-LA	24.06	69.36	0.39
7405	LA-LA	25.53	69.37	0.39
7406	LA-LA	27.13	69.37	0.39
7407	LA-LA	28.05	69.38	0.39
7408	LA-LA	27.39	69.39	0.39
7409	LA-LA	27.28	69.40	0.39
7410	LA-LA	27.75	69.40	0.39

time (s)	route	speed (mph)	distance (mi)	grade (%)
7255	LA-LA	0.00	68.94	0.46
7256	LA-LA	0.00	68.94	0.46
7257	LA-LA	0.00	68.94	0.46
7258	LA-LA	0.00	68.94	0.46
7259	LA-LA	0.00	68.94	0.46
7260	LA-LA	0.00	68.94	0.46
7261	LA-LA	0.00	68.94	0.46
7262	LA-LA	0.00	68.94	0.46
7263	LA-LA	0.00	68.94	0.46
7264	LA-LA	0.00	68.94	0.46
7265	LA-LA	0.00	68.94	0.46
7266	LA-LA	0.00	68.94	0.46
7267	LA-LA	0.00	68.94	0.46
7268	LA-LA	0.00	68.94	0.46
7269	LA-LA	0.00	68.94	0.46
7270	LA-LA	0.00	68.94	0.46
7271	LA-LA	0.00	68.94	0.46
7272	LA-LA	0.00	68.94	0.46
7273	LA-LA	0.00	68.94	0.46
7274	LA-LA	0.00	68.94	0.46
7275	LA-LA	0.00	68.94	0.46
7276	LA-LA	0.00	68.94	0.46
7277	LA-LA	0.00	68.94	0.46
7278	LA-LA	0.00	68.94	0.46
7279	LA-LA	0.00	68.94	0.46
7280	LA-LA	0.00	68.94	0.46
7281	LA-LA	0.00	68.94	0.46
7282	LA-LA	0.00	68.94	0.46
7283	LA-LA	0.00	68.94	0.46
7284	LA-LA	0.00	68.94	0.46
7285	LA-LA	0.00	68.94	0.46
7286	LA-LA	0.00	68.94	0.46
7287	LA-LA	0.00	68.94	0.46
7288	LA-LA	0.00	68.94	0.46
7289	LA-LA	0.00	68.94	0.46
7290	LA-LA	0.00	68.94	0.46
7291	LA-LA	0.00	68.94	0.46
7292	LA-LA	0.00	68.94	0.46
7293	LA-LA	0.00	68.94	0.46
7294	LA-LA	0.00	68.94	0.46
7295	LA-LA	0.00	68.94	0.46
7296	LA-LA	2.94	68.95	0.46
7297	LA-LA	7.79	68.95	0.46
7298	LA-LA	11.93	68.95	0.32
7299	LA-LA	14.62	68.95	0.32
7300	LA-LA	16.98	68.96	0.32
7301	LA-LA	19.16	68.96	0.32
7302	LA-LA	21.15	68.96	0.32
7303	LA-LA	23.02	68.98	0.32
7304	LA-LA	24.87	68.98	0.32
7305	LA-LA	26.61	68.99	0.32
7306	LA-LA	28.12	69.00	0.32
7307	LA-LA	29.16	69.01	0.32
7308	LA-LA	29.21	69.01	0.32
7309	LA-LA	28.91	69.02	0.32
7310	LA-LA	29.39	69.03	0.32
7311	LA-LA	29.77	69.04	0.32
7312	LA-LA	29.31	69.05	0.32
7313	LA-LA	29.88	69.06	0.45
7314	LA-LA	30.59	69.06	0.45
7315	LA-LA	31.17	69.07	0.45
7316	LA-LA	31.21	69.08	0.45
7317	LA-LA	30.43	69.09	0.45
7318	LA-LA	29.54	69.10	0.45
7319	LA-LA	28.26	69.11	0.45
7320	LA-LA	25.73	69.11	0.45
7321	LA-LA	23.33	69.12	0.45
7322	LA-LA	21.14	69.12	0.45
7323	LA-LA	19.15	69.13	0.45
7324	LA-LA	17.14	69.13	0.45
7325	LA-LA	15.03	69.14	0.45
7326	LA-LA	12.92	69.14	0.45
7327	LA-LA	10.97	69.15	0.45
7328	LA-LA	8.85	69.15	0.45
7329	LA-LA	5.75	69.15	0.45
7330	LA-LA	3.37	69.15	0.45
7331	LA-LA	1.55	69.15	0.27
7332	LA-LA	0.00	69.15	0.27

time (s)	route	speed (mph)	distance (mi)	grade (%)
7489	LA-LA	33.11	69.74	0.46
7490	LA-LA	34.38	69.75	0.46
7491	LA-LA	34.09	69.76	0.62
7492	LA-LA	33.63	69.77	0.62
7493	LA-LA	34.53	69.78	0.62
7494	LA-LA	34.53	69.79	0.62
7495	LA-LA	34.50	69.80	0.62
7496	LA-LA	33.78	69.81	0.62
7497	LA-LA	33.41	69.81	0.62
7498	LA-LA	32.71	69.82	0.62
7499	LA-LA	32.29	69.83	0.62
7500	LA-LA	33.18	69.84	0.62
7501	LA-LA	33.96	69.85	0.88
7502	LA-LA	33.43	69.86	0.88
7503	LA-LA	32.35	69.87	0.88
7504	LA-LA	30.29	69.88	0.88
7505	LA-LA	26.54	69.88	0.88
7506	LA-LA	22.61	69.89	0.88
7507	LA-LA	18.73	69.90	0.88
7508	LA-LA	14.70	69.90	0.88
7509	LA-LA	10.25	69.90	0.88
7510	LA-LA	5.89	69.90	0.88
7511	LA-LA	2.72	69.91	0.88
7512	LA-LA	0.37	69.91	0.88
7513	LA-LA	0.00	69.91	0.88
7514	LA-LA	0.00	69.91	0.88
7515	LA-LA	0.00	69.91	0.88
7516	LA-LA	0.00	69.91	0.88
7517	LA-LA	0.00	69.91	0.88
7518	LA-LA	0.00	69.91	0.88
7519	LA-LA	0.00	69.91	0.88
7520	LA-LA	0.00	69.91	0.88
7521	LA-LA	0.00	69.91	0.88
7522	LA-LA	0.00	69.91	0.88
7523	LA-LA	0.00	69.91	0.88
7524	LA-LA	0.00	69.91	0.88
7525	LA-LA	0.00	69.91	0.88
7526	LA-LA	0.00	69.91	0.88
7527	LA-LA	0.00	69.91	0.88
7528	LA-LA	0.00	69.91	0.88
7529	LA-LA	0.00	69.91	0.88
7530	LA-LA	0.00	69.91	0.88
7531	LA-LA	0.00	69.91	0.88
7532	LA-LA	0.00	69.91	0.88
7533	LA-LA	0.00	69.91	0.88
7534	LA-LA	0.00	69.91	0.88
7535	LA-LA	0.00	69.91	0.88
7536	LA-LA	0.00	69.91	0.88
7537	LA-LA	0.00	69.91	0.88
7538	LA-LA	0.00	69.91	0.88
7539	LA-LA	0.00	69.91	0.88
7540	LA-LA	0.00	69.91	0.88
7541	LA-LA	0.00	69.91	0.88
7542	LA-LA	0.00	69.91	0.88
7543	LA-LA	0.00	69.91	0.88
7544	LA-LA	0.00	69.91	0.88
7545	LA-LA	0.00	69.91	0.88
7546	LA-LA	0.00	69.91	0.88
7547	LA-LA	0.00	69.91	0.88
7548	LA-LA	0.00	69.91	0.88
7549	LA-LA	0.00	69.91	0.88
7550	LA-LA	0.00	69.91	0.88
7551	LA-LA	0.00	69.91	0.88
7552	LA-LA	0.00	69.91	0.88
7553	LA-LA	0.00	69.91	0.88
7554	LA-LA	0.00	69.91	0.88
7555	LA-LA	0.00	69.91	0.88
7556	LA-LA	0.00	69.91	0.88
7557	LA-LA	0.00	69.91	0.88
7558	LA-LA	0.00	69.91	0.88
7559	LA-LA	0.00	69.91	0.88
7560	LA-LA	0.00	69.91	0.88
7561	LA-LA	0.00	69.91	0.88
7562	LA-LA	0.00	69.91	0.88
7563	LA-LA	0.00	69.91	0.88
7564	LA-LA	0.00	69.91	0.88
7565	LA-LA	0.52	69.91	0.88
7566	LA-LA	5.02	69.91	0.88

time (s)	route	speed (mph)	distance (mi)	grade (%)
7645	LA-LA	0.00	70.16	1.97
7646	LA-LA	0.00	70.16	1.97
7647	LA-LA	0.00	70.16	1.97
7648	LA-LA	0.00	70.16	1.97
7649	LA-LA	0.00	70.16	1.97
7650	LA-LA	0.00	70.16	1.97
7651	LA-LA	0.00	70.16	1.97
7652	LA-LA	0.41	70.16	1.97
7653	LA-LA	0.27	70.16	1.97
7654	LA-LA	0.00	70.16	1.97
7655	LA-LA	0.00	70.16	1.97
7656	LA-LA	0.75	70.16	1.97
7657	LA-LA	5.95	70.16	1.97
7658	LA-LA	11.65	70.16	1.97
7659	LA-LA	15.75	70.17	1.97
7660	LA-LA	19.40	70.17	1.97
7661	LA-LA	23.35	70.18	1.97
7662	LA-LA	26.58	70.19	1.97
7663	LA-LA	28.74	70.20	1.97
7664	LA-LA	30.21	70.20	1.97
7665	LA-LA	31.17	70.21	1.97
7666	LA-LA	31.95	70.22	1.97
7667	LA-LA	32.57	70.23	1.97
7668	LA-LA	33.08	70.24	1.97
7669	LA-LA	34.10	70.25	1.97
7670	LA-LA	35.82	70.26	4.42
7671	LA-LA	38.62	70.27	4.42
7672	LA-LA	36.91	70.28	4.42
7673	LA-LA	36.69	70.29	4.42
7674	LA-LA	36.09	70.30	4.42
7675	LA-LA	35.61	70.31	4.42
7676	LA-LA	36.02	70.32	4.42
7677	LA-LA	37.27	70.33	4.42
7678	LA-LA	38.75	70.34	4.42
7679	LA-LA	39.58	70.35	4.42
7680	LA-LA	39.80	70.36	5.80
7681	LA-LA	38.66	70.37	5.80
7682	LA-LA	36.60	70.38	5.80
7683	LA-LA	33.75	70.39	5.80
7684	LA-LA	30.08	70.40	5.80
7685	LA-LA	27.82	70.41	5.80
7686	LA-LA	26.69	70.41	5.80
7687	LA-LA	24.66	70.42	5.80
7688	LA-LA	21.35	70.43	5.80
7689	LA-LA	18.08	70.43	5.80
7690	LA-LA	16.38	70.44	5.80
7691	LA-LA	16.66	70.44	5.80
7692	LA-LA	18.07	70.45	5.80
7693	LA-LA	19.53	70.45	4.45
7694	LA-LA	20.85	70.46	4.45
7695	LA-LA	22.15	70.46	4.45
7696	LA-LA	22.75	70.47	4.45
7697	LA-LA	22.80	70.48	4.45
7698	LA-LA	22.39	70.48	4.45
7699	LA-LA	23.41	70.49	4.45
7700	LA-LA	25.18	70.49	4.45
7701	LA-LA	26.81	70.50	4.45
7702	LA-LA	28.05	70.51	4.45
7703	LA-LA	29.59	70.52	4.45
7704	LA-LA	30.72	70.53	4.45
7705	LA-LA	31.34	70.54	4.45
7706	LA-LA	32.32	70.54	4.45
7707	LA-LA	32.62	70.55	4.23
7708	LA-LA	32.11	70.56	4.23
7709	LA-LA	30.62	70.57	4.23
7710	LA-LA	28.78	70.58	4.23
7711	LA-LA	27.12	70.59	4.23
7712	LA-LA	24.99	70.59	4.23
7713	LA-LA	21.61	70.60	4.23
7714	LA-LA	16.91	70.60	4.23
7715	LA-LA	11.82	70.61	4.23
7716	LA-LA	6.74	70.61	4.23
7717	LA-LA	3.16	70.61	4.23
7718	LA-LA	0.46	70.61	4.23
7719	LA-LA	0.00	70.61	4.23
7720	LA-LA	0.00	70.61	4.23
7721	LA-LA	0.00	70.61	4.23
7722	LA-LA	0.00	70.61	4.23

time (s)	route	speed (mph)	distance (mi)	grade (%)
7567	LA-LA	9.76	69.91	0.88
7568	LA-LA	13.36	69.91	0.88
7569	LA-LA	16.33	69.92	0.88
7570	LA-LA	19.61	69.92	0.88
7571	LA-LA	22.61	69.93	0.88
7572	LA-LA	23.53	69.94	0.88
7573	LA-LA	23.41	69.94	0.88
7574	LA-LA	24.63	69.95	0.88
7575	LA-LA	25.30	69.96	0.32
7576	LA-LA	27.06	69.96	0.32
7577	LA-LA	28.61	69.97	0.32
7578	LA-LA	30.98	69.98	0.32
7579	LA-LA	33.03	69.99	0.32
7580	LA-LA	34.75	70.00	0.32
7581	LA-LA	36.23	70.01	0.32
7582	LA-LA	37.27	70.02	0.32
7583	LA-LA	36.33	70.03	0.32
7584	LA-LA	35.54	70.04	0.32
7585	LA-LA	34.10	70.05	0.32
7586	LA-LA	31.46	70.06	0.57
7587	LA-LA	28.00	70.06	0.57
7588	LA-LA	24.29	70.07	0.57
7589	LA-LA	20.78	70.08	0.57
7590	LA-LA	18.42	70.08	0.57
7591	LA-LA	18.93	70.09	0.57
7592	LA-LA	21.20	70.09	0.57
7593	LA-LA	23.75	70.10	0.57
7594	LA-LA	26.09	70.11	0.57
7595	LA-LA	27.66	70.11	0.57
7596	LA-LA	27.68	70.12	0.57
7597	LA-LA	26.74	70.13	0.57
7598	LA-LA	24.34	70.14	0.57
7599	LA-LA	20.88	70.14	0.57
7600	LA-LA	17.32	70.15	0.57
7601	LA-LA	13.88	70.15	0.57
7602	LA-LA	11.26	70.15	1.97
7603	LA-LA	8.82	70.16	1.97
7604	LA-LA	6.05	70.16	1.97
7605	LA-LA	3.63	70.16	1.97
7606	LA-LA	1.33	70.16	1.97
7607	LA-LA	0.00	70.16	1.97
7608	LA-LA	0.00	70.16	1.97
7609	LA-LA	0.82	70.16	1.97
7610	LA-LA	0.42	70.16	1.97
7611	LA-LA	0.00	70.16	1.97
7612	LA-LA	0.00	70.16	1.97
7613	LA-LA	0.00	70.16	1.97
7614	LA-LA	0.00	70.16	1.97
7615	LA-LA	0.00	70.16	1.97
7616	LA-LA	0.00	70.16	1.97
7617	LA-LA	0.00	70.16	1.97
7618	LA-LA	0.00	70.16	1.97
7619	LA-LA	0.00	70.16	1.97
7620	LA-LA	0.00	70.16	1.97
7621	LA-LA	0.00	70.16	1.97
7622	LA-LA	0.00	70.16	1.97
7623	LA-LA	0.00	70.16	1.97
7624	LA-LA	0.00	70.16	1.97
7625	LA-LA	0.00	70.16	1.97
7626	LA-LA	0.00	70.16	1.97
7627	LA-LA	0.00	70.16	1.97
7628	LA-LA	0.00	70.16	1.97
7629	LA-LA	0.00	70.16	1.97
7630	LA-LA	0.00	70.16	1.97
7631	LA-LA	0.00	70.16	1.97
7632	LA-LA	0.00	70.16	1.97
7633	LA-LA	0.00	70.16	1.97
7634	LA-LA	0.00	70.16	1.97
7635	LA-LA	0.00	70.16	1.97
7636	LA-LA	0.00	70.16	1.97
7637	LA-LA	0.00	70.16	1.97
7638	LA-LA	0.00	70.16	1.97
7639	LA-LA	0.00	70.16	1.97
7640	LA-LA	0.00	70.16	1.97
7641	LA-LA	0.00	70.16	1.97
7642	LA-LA	0.00	70.16	1.97
7643	LA-LA	0.00	70.16	1.97
7644	LA-LA	0.00	70.16	1.97

time (s)	route	speed (mph)	distance (mi)	grade (%)
7801	LA-LA	41.19	70.88	-2.69
7802	LA-LA	42.14	70.90	-2.69
7803	LA-LA	43.96	70.91	-2.69
7804	LA-LA	45.16	70.92	-2.69
7805	LA-LA	45.81	70.93	-2.69
7806	LA-LA	45.68	70.95	-2.69
7807	LA-LA	44.95	71.06	0.40
7808	LA-LA	44.11	70.97	0.40
7809	LA-LA	43.02	70.98	0.40
7810	LA-LA	42.14	70.99	0.40
7811	LA-LA	40.72	71.00	0.40
7812	LA-LA	38.30	71.01	0.40
7813	LA-LA	36.17	71.02	0.40
7814	LA-LA	35.06	71.03	0.40
7815	LA-LA	34.33	71.04	0.40
7816	LA-LA	34.50	71.05	-5.84
7817	LA-LA	35.60	71.06	-5.84
7818	LA-LA	35.15	71.07	-5.84
7819	LA-LA	34.54	71.08	-5.84
7820	LA-LA	34.81	71.09	-5.84
7821	LA-LA	35.28	71.10	-5.84
7822	LA-LA	35.78	71.11	-5.84
7823	LA-LA	36.16	71.12	-5.84
7824	LA-LA	35.75	71.13	-5.84
7825	LA-LA	35.90	71.14	-5.84
7826	LA-LA	34.14	71.15	2.90
7827	LA-LA	28.44	71.16	2.90
7828	LA-LA	23.13	71.16	2.90
7829	LA-LA	18.27	71.17	2.90
7830	LA-LA	14.95	71.17	2.90
7831	LA-LA	12.39	71.18	2.90
7832	LA-LA	10.40	71.18	2.90
7833	LA-LA	9.49	71.18	2.90
7834	LA-LA	9.43	71.18	2.90
7835	LA-LA	9.85	71.19	2.90
7836	LA-LA	9.83	71.19	2.90
7837	LA-LA	8.98	71.19	2.90
7838	LA-LA	8.29	71.20	2.90
7839	LA-LA	7.95	71.20	2.90
7840	LA-LA	8.07	71.20	2.90
7841	LA-LA	8.31	71.20	2.90
7842	LA-LA	7.78	71.20	2.90
7843	LA-LA	6.86	71.21	2.90
7844	LA-LA	6.07	71.21	2.90
7845	LA-LA	5.41	71.21	2.90
7846	LA-LA	5.05	71.21	2.90
7847	LA-LA	3.67	71.21	2.90
7848	LA-LA	2.11	71.21	2.90
7849	LA-LA	2.67	71.21	2.90
7850	LA-LA	4.04	71.21	2.90
7851	LA-LA	5.18	71.22	2.90
7852	LA-LA	5.41	71.22	2.90
7853	LA-LA	4.95	71.22	2.90
7854	LA-LA	5.08	71.22	2.90
7855	LA-LA	6.15	71.22	2.90
7856	LA-LA	7.98	71.22	2.90
7857	LA-LA	5.82	71.22	2.90
7858	LA-LA	2.71	71.23	2.90
7859	LA-LA	0.41	71.23	2.90
7860	LA-LA	0.00	71.23	2.90
7861	LA-LA	0.69	71.23	2.90
7862	LA-LA	3.90	71.23	2.90
7863	LA-LA	6.84	71.23	2.90
7864	LA-LA	7.64	71.23	2.90
7865	LA-LA	6.97	71.23	2.90
7866	LA-LA	6.99	71.23	2.90
7867	LA-LA	9.09	71.24	2.90
7868	LA-LA	11.14	71.24	2.90
7869	LA-LA	10.07	71.24	2.90
7870	LA-LA	7.92	71.25	2.90
7871	LA-LA	5.83	71.25	2.90
7872	LA-LA	3.69	71.25	2.90
7873	LA-LA	2.41	71.25	2.90
7874	LA-LA	3.64	71.25	2.90
7875	LA-LA	5.88	71.25	1.18
7876	LA-LA	7.21	71.25	1.18
7877	LA-LA	7.64	71.26	1.18
7878	LA-LA	7.46	71.26	1.18

time (s)	route	speed (mph)	distance (mi)	grade (%)
7957	LA-LA	43.54	71.68	-1.25
7958	LA-LA	44.02	71.69	-1.25
7959	LA-LA	43.73	71.70	-1.25
7960	LA-LA	43.28	71.72	-1.25
7961	LA-LA	42.38	71.73	-1.25
7962	LA-LA	40.62	71.74	-1.25
7963	LA-LA	38.32	71.75	-1.25
7964	LA-LA	36.62	71.76	-0.08
7965	LA-LA	36.21	71.77	-0.08
7966	LA-LA	36.67	71.78	-0.08
7967	LA-LA	37.78	71.79	-0.08
7968	LA-LA	39.54	71.80	-0.08
7969	LA-LA	41.20	71.81	-0.08
7970	LA-LA	42.41	71.82	-0.08
7971	LA-LA	42.20	71.84	-0.08
7972	LA-LA	41.15	71.85	-0.08
7973	LA-LA	40.38	71.86	1.23
7974	LA-LA	41.37	71.87	1.23
7975	LA-LA	42.60	71.88	1.23
7976	LA-LA	43.60	71.89	1.23
7977	LA-LA	44.29	71.91	1.23
7978	LA-LA	44.86	71.92	1.23
7979	LA-LA	44.91	71.93	1.23
7980	LA-LA	46.16	71.94	1.23
7981	LA-LA	46.66	71.96	-1.63
7982	LA-LA	47.76	71.97	-1.63
7983	LA-LA	49.20	71.98	-1.63
7984	LA-LA	50.00	72.00	-1.63
7985	LA-LA	49.44	72.01	-1.63
7986	LA-LA	48.91	72.02	-1.63
7987	LA-LA	49.30	72.04	-1.63
7988	LA-LA	50.49	72.05	-1.37
7989	LA-LA	51.87	72.07	-1.37
7990	LA-LA	53.32	72.08	-1.37
7991	LA-LA	54.84	72.09	-1.37
7992	LA-LA	56.69	72.11	-1.37
7993	LA-LA	58.09	72.13	-1.37
7994	LA-LA	59.18	72.14	-1.37
7995	LA-LA	59.29	72.16	-3.40
7996	LA-LA	60.06	72.18	-3.40
7997	LA-LA	61.25	72.19	-3.40
7998	LA-LA	61.53	72.21	-3.40
7999	LA-LA	61.67	72.23	-3.40
8000	LA-LA	61.37	72.24	-3.40
8001	LA-LA	61.12	72.26	-2.39
8002	LA-LA	60.49	72.28	-2.39
8003	LA-LA	60.73	72.29	-2.39
8004	LA-LA	61.56	72.31	-2.39
8005	LA-LA	62.17	72.33	-2.39
8006	LA-LA	63.00	72.34	-2.39
8007	LA-LA	62.64	72.36	-0.35
8008	LA-LA	61.72	72.38	-0.35
8009	LA-LA	61.84	72.40	-0.35
8010	LA-LA	62.19	72.41	-0.35
8011	LA-LA	62.81	72.43	-0.35
8012	LA-LA	63.29	72.45	-0.35
8013	LA-LA	63.15	72.46	0.03
8014	LA-LA	62.83	72.48	0.03
8015	LA-LA	63.19	72.50	0.03
8016	LA-LA	63.63	72.52	0.03
8017	LA-LA	63.93	72.53	0.03
8018	LA-LA	63.76	72.55	-3.44
8019	LA-LA	64.19	72.57	-3.44
8020	LA-LA	64.90	72.59	-3.44
8021	LA-LA	65.92	72.61	-3.44
8022	LA-LA	66.88	72.62	-3.44
8023	LA-LA	67.55	72.64	-3.44
8024	LA-LA	67.22	72.66	0.57
8025	LA-LA	66.43	72.68	0.57
8026	LA-LA	65.69	72.70	0.57
8027	LA-LA	65.98	72.72	0.57
8028	LA-LA	66.74	72.73	0.57
8029	LA-LA	67.56	72.75	-0.32
8030	LA-LA	68.03	72.77	-0.32
8031	LA-LA	68.00	72.79	-0.32
8032	LA-LA	67.28	72.81	-0.32
8033	LA-LA	66.83	72.83	-0.32
8034	LA-LA	66.42	72.85	-0.32

time (s)	route	speed (mph)	distance (mi)	grade (%)
7879	LA-LA	7.17	71.26	1.18
7880	LA-LA	6.74	71.26	1.18
7881	LA-LA	6.60	71.26	1.18
7882	LA-LA	8.09	71.27	1.18
7883	LA-LA	11.39	71.27	1.18
7884	LA-LA	13.57	71.27	1.18
7885	LA-LA	15.01	71.28	1.18
7886	LA-LA	15.32	71.28	1.18
7887	LA-LA	16.52	71.29	1.18
7888	LA-LA	16.58	71.29	1.18
7889	LA-LA	16.60	71.29	1.18
7890	LA-LA	15.78	71.30	1.18
7891	LA-LA	13.95	71.30	1.18
7892	LA-LA	11.15	71.31	1.18
7893	LA-LA	6.89	71.31	1.18
7894	LA-LA	3.30	71.31	1.18
7895	LA-LA	1.20	71.31	1.18
7896	LA-LA	1.85	71.31	1.18
7897	LA-LA	4.50	71.31	1.18
7898	LA-LA	8.33	71.31	1.18
7899	LA-LA	9.84	71.32	1.18
7900	LA-LA	9.77	71.32	1.18
7901	LA-LA	11.41	71.32	1.18
7902	LA-LA	13.02	71.32	1.18
7903	LA-LA	13.56	71.33	1.18
7904	LA-LA	13.66	71.33	1.18
7905	LA-LA	14.59	71.34	1.18
7906	LA-LA	14.81	71.34	1.18
7907	LA-LA	14.30	71.34	1.18
7908	LA-LA	13.12	71.35	1.18
7909	LA-LA	12.22	71.35	-1.92
7910	LA-LA	10.20	71.35	-1.92
7911	LA-LA	8.79	71.36	-1.92
7912	LA-LA	8.35	71.36	-1.92
7913	LA-LA	10.18	71.36	-1.92
7914	LA-LA	11.52	71.36	-1.92
7915	LA-LA	12.00	71.37	-1.92
7916	LA-LA	13.02	71.37	-1.92
7917	LA-LA	13.10	71.38	-1.92
7918	LA-LA	13.00	71.38	-1.92
7919	LA-LA	14.42	71.38	-1.92
7920	LA-LA	16.59	71.39	-1.92
7921	LA-LA	18.27	71.39	-1.92
7922	LA-LA	18.41	71.40	-1.92
7923	LA-LA	19.23	71.40	-1.92
7924	LA-LA	20.54	71.41	-1.92
7925	LA-LA	20.50	71.41	-1.92
7926	LA-LA	20.11	71.42	-1.92
7927	LA-LA	19.76	71.42	-1.92
7928	LA-LA	20.27	71.43	-1.92
7929	LA-LA	20.65	71.44	-1.92
7930	LA-LA	20.25	71.44	-1.92
7931	LA-LA	19.65	71.45	-1.92
7932	LA-LA	20.25	71.45	-2.36
7933	LA-LA	21.87	71.46	-2.36
7934	LA-LA	22.95	71.46	-2.36
7935	LA-LA	24.06	71.47	-2.36
7936	LA-LA	25.44	71.48	-2.36
7937	LA-LA	27.77	71.49	-2.36
7938	LA-LA	30.46	71.49	-2.36
7939	LA-LA	31.36	71.50	-2.36
7940	LA-LA	30.45	71.51	-2.36
7941	LA-LA	28.73	71.52	-2.36
7942	LA-LA	27.12	71.53	-2.36
7943	LA-LA	27.17	71.53	-2.36
7944	LA-LA	28.82	71.54	-2.36
7945	LA-LA	30.85	71.55	-0.44
7946	LA-LA	33.12	71.56	-0.44
7947	LA-LA	35.67	71.57	-0.44
7948	LA-LA	38.05	71.58	-0.44
7949	LA-LA	38.26	71.59	-0.44
7950	LA-LA	38.28	71.60	-0.44
7951	LA-LA	39.59	71.61	-0.44
7952	LA-LA	40.09	71.62	-0.44
7953	LA-LA	39.99	71.63	-0.44
7954	LA-LA	40.57	71.65	-0.44
7955	LA-LA	41.86	71.66	-1.25
7956	LA-LA	42.98	71.67	-1.25

time (s)	route	speed (mph)	distance (mi)	grade (%)
8113	LA-LA	57.23	74.07	-0.72
8114	LA-LA	56.58	74.08	-0.72
8115	LA-LA	56.45	74.10	-0.72
8116	LA-LA	56.67	74.11	-0.72
8117	LA-LA	56.12	74.13	-0.72
8118	LA-LA	55.66	74.14	-0.72
8119	LA-LA	56.14	74.16	-2.72
8120	LA-LA	56.95	74.17	2.72
8121	LA-LA	57.71	74.19	2.72
8122	LA-LA	57.14	74.21	2.72
8123	LA-LA	55.85	74.22	2.72
8124	LA-LA	53.42	74.24	2.72
8125	LA-LA	50.69	74.25	-2.57
8126	LA-LA	48.09	74.26	-2.57
8127	LA-LA	46.44	74.28	-2.57
8128	LA-LA	46.15	74.29	-2.57
8129	LA-LA	46.69	74.30	-2.57
8130	LA-LA	47.98	74.31	-2.57
8131	LA-LA	49.64	74.33	-2.57
8132	LA-LA	51.24	74.34	-2.57
8133	LA-LA	52.49	74.36	-0.67
8134	LA-LA	53.73	74.37	0.67
8135	LA-LA	54.85	74.39	0.67
8136	LA-LA	55.18	74.40	0.67
8137	LA-LA	54.14	74.42	0.67
8138	LA-LA	52.98	74.43	0.67
8139	LA-LA	52.80	74.45	0.67
8140	LA-LA	52.30	74.46	2.24
8141	LA-LA	51.76	74.47	2.24
8142	LA-LA	51.14	74.49	2.24
8143	LA-LA	50.82	74.50	2.24
8144	LA-LA	50.56	74.52	2.24
8145	LA-LA	50.88	74.53	2.24
8146	LA-LA	51.35	74.54	2.24
8147	LA-LA	52.07	74.56	-0.27
8148	LA-LA	51.89	74.57	-0.27
8149	LA-LA	50.82	74.59	-0.27
8150	LA-LA	49.99	74.60	-0.27
8151	LA-LA	48.20	74.61	-0.27
8152	LA-LA	48.09	74.63	-0.27
8153	LA-LA	48.31	74.64	-0.27
8154	LA-LA	48.75	74.65	-0.55
8155	LA-LA	48.43	74.67	-0.55
8156	LA-LA	47.80	74.68	-0.55
8157	LA-LA	47.26	74.69	-0.55
8158	LA-LA	45.61	74.71	-0.55
8159	LA-LA	43.58	74.72	-0.55
8160	LA-LA	41.49	74.73	-0.55
8161	LA-LA	38.85	74.74	-0.55
8162	LA-LA	36.04	74.75	-0.55
8163	LA-LA	33.23	74.76	-0.03
8164	LA-LA	30.50	74.77	-0.03
8165	LA-LA	27.64	74.77	-0.03
8166	LA-LA	24.32	74.78	-0.03
8167	LA-LA	20.95	74.79	-0.03
8168	LA-LA	17.51	74.79	-0.03
8169	LA-LA	14.26	74.80	-0.03
8170	LA-LA	11.67	74.80	-0.03
8171	LA-LA	9.22	74.80	-0.03
8172	LA-LA	6.37	74.80	-0.03
8173	LA-LA	4.25	74.80	-0.03
8174	LA-LA	3.30	74.81	-0.03
8175	LA-LA	2.46	74.81	-0.03
8176	LA-LA	1.65	74.81	-0.03
8177	LA-LA	0.60	74.81	-0.03
8178	LA-LA	0.00	74.81	-0.03
8179	LA-LA	0.00	74.81	-0.03
8180	LA-LA	0.00	74.81	-0.03
8181	LA-LA	0.00	74.81	-0.03
8182	LA-LA	0.00	74.81	-0.03
8183	LA-LA	0.00	74.81	-0.03
8184	LA-LA	0.00	74.81	-0.03
8185	LA-LA	0.00	74.81	-0.03
8186	LA-LA	0.00	74.81	-0.03
8187	LA-LA	0.00	74.81	-0.03
8188	LA-LA	0.00	74.81	-0.03
8189	LA-LA	0.00	74.81	-0.03
8190	LA-LA	0.00	74.81	-0.03

time (s)	route	speed (mph)	distance (mi)	grade (%)
8269	LA-LA	34.84	75.06	-0.22
8270	LA-LA	34.22	75.07	-0.22
8271	LA-LA	33.74	75.08	-0.22
8272	LA-LA	34.41	75.09	-0.22
8273	LA-LA	34.95	75.10	-0.22
8274	LA-LA	35.21	75.11	-0.22
8275	LA-LA	35.23	75.12	-0.22
8276	LA-LA	34.67	75.13	-0.22
8277	LA-LA	33.92	75.14	-0.22
8278	LA-LA	33.21	75.15	-0.22
8279	LA-LA	32.47	75.16	-0.44
8280	LA-LA	32.39	75.17	-0.44
8281	LA-LA	31.85	75.18	-0.44
8282	LA-LA	32.30	75.18	-0.44
8283	LA-LA	33.06	75.19	-0.44
8284	LA-LA	33.86	75.20	-0.44
8285	LA-LA	34.11	75.21	-0.44
8286	LA-LA	33.66	75.22	-0.44
8287	LA-LA	33.01	75.23	-0.44
8288	LA-LA	32.39	75.24	-0.44
8289	LA-LA	32.08	75.25	-0.44
8290	LA-LA	32.34	75.26	-0.50
8291	LA-LA	31.66	75.27	-0.50
8292	LA-LA	31.29	75.27	-0.50
8293	LA-LA	30.63	75.28	-0.50
8294	LA-LA	28.52	75.29	-0.50
8295	LA-LA	25.39	75.30	-0.50
8296	LA-LA	22.36	75.30	-0.50
8297	LA-LA	20.18	75.31	-0.50
8298	LA-LA	20.39	75.31	-0.50
8299	LA-LA	22.07	75.32	-0.50
8300	LA-LA	24.16	75.33	-0.50
8301	LA-LA	25.91	75.33	-0.50
8302	LA-LA	27.79	75.34	-0.50
8303	LA-LA	29.57	75.35	-0.69
8304	LA-LA	31.30	75.36	-0.69
8305	LA-LA	32.70	75.37	-0.69
8306	LA-LA	32.57	75.38	-0.69
8307	LA-LA	32.48	75.39	-0.69
8308	LA-LA	32.54	75.39	-0.69
8309	LA-LA	32.63	75.40	-0.69
8310	LA-LA	32.48	75.41	-0.69
8311	LA-LA	31.60	75.42	-0.69
8312	LA-LA	29.37	75.43	-0.69
8313	LA-LA	26.26	75.44	-0.69
8314	LA-LA	22.42	75.44	-0.69
8315	LA-LA	18.02	75.45	-0.69
8316	LA-LA	13.74	75.45	-0.14
8317	LA-LA	10.08	75.45	-0.14
8318	LA-LA	7.22	75.46	-0.14
8319	LA-LA	5.29	75.46	-0.14
8320	LA-LA	3.39	75.46	-0.14
8321	LA-LA	1.18	75.46	-0.14
8322	LA-LA	0.00	75.46	-0.14
8323	LA-LA	0.00	75.46	-0.14
8324	LA-LA	0.00	75.46	-0.14
8325	LA-LA	0.00	75.46	-0.14
8326	LA-LA	0.00	75.46	-0.14
8327	LA-LA	0.00	75.46	-0.14
8328	LA-LA	0.83	75.46	-0.14
8329	LA-LA	1.41	75.46	-0.14
8330	LA-LA	1.21	75.46	-0.14
8331	LA-LA	0.85	75.46	-0.14
8332	LA-LA	0.00	75.46	-0.14
8333	LA-LA	0.00	75.46	-0.14
8334	LA-LA	0.00	75.46	-0.14
8335	LA-LA	0.00	75.46	-0.14
8336	LA-LA	0.38	75.46	-0.14
8337	LA-LA	1.29	75.46	-0.14
8338	LA-LA	1.08	75.46	-0.14
8339	LA-LA	0.85	75.46	-0.14
8340	LA-LA	0.73	75.46	-0.14
8341	LA-LA	1.23	75.46	-0.14
8342	LA-LA	2.25	75.46	-0.14
8343	LA-LA	2.98	75.46	-0.14
8344	LA-LA	3.01	75.46	-0.14
8345	LA-LA	4.32	75.46	-0.14
8346	LA-LA	6.67	75.47	-0.14

time (s)	route	speed (mph)	distance (mi)	grade (%)
8191	LA-LA	0.00	74.81	-0.03
8192	LA-LA	0.00	74.81	-0.03
8193	LA-LA	0.00	74.81	-0.03
8194	LA-LA	0.00	74.81	-0.03
8195	LA-LA	0.00	74.81	-0.03
8196	LA-LA	0.00	74.81	-0.03
8197	LA-LA	0.00	74.81	-0.03
8198	LA-LA	0.00	74.81	-0.03
8199	LA-LA	0.00	74.81	-0.03
8200	LA-LA	0.00	74.81	-0.03
8201	LA-LA	0.00	74.81	-0.03
8202	LA-LA	0.00	74.81	-0.03
8203	LA-LA	0.00	74.81	-0.03
8204	LA-LA	0.00	74.81	-0.03
8205	LA-LA	0.00	74.81	-0.03
8206	LA-LA	0.00	74.81	-0.03
8207	LA-LA	0.00	74.81	-0.03
8208	LA-LA	0.16	74.81	-0.03
8209	LA-LA	1.70	74.81	-0.03
8210	LA-LA	3.04	74.81	-0.03
8211	LA-LA	3.01	74.81	-0.03
8212	LA-LA	2.78	74.81	-0.03
8213	LA-LA	5.06	74.81	-0.03
8214	LA-LA	9.83	74.81	-0.03
8215	LA-LA	13.37	74.82	-0.03
8216	LA-LA	15.65	74.82	-0.03
8217	LA-LA	16.50	74.83	-0.03
8218	LA-LA	17.81	74.83	-0.03
8219	LA-LA	17.88	74.84	-0.03
8220	LA-LA	17.71	74.84	-0.03
8221	LA-LA	18.69	74.85	-0.03
8222	LA-LA	18.91	74.85	-0.55
8223	LA-LA	18.62	74.86	-0.55
8224	LA-LA	18.33	74.86	-0.55
8225	LA-LA	17.29	74.87	-0.55
8226	LA-LA	15.71	74.87	-0.55
8227	LA-LA	13.90	74.87	-0.55
8228	LA-LA	11.90	74.88	-0.55
8229	LA-LA	9.76	74.88	-0.55
8230	LA-LA	7.27	74.88	-0.55
8231	LA-LA	5.35	74.88	-0.55
8232	LA-LA	4.30	74.89	-0.55
8233	LA-LA	3.22	74.89	-0.55
8234	LA-LA	1.65	74.89	-0.55
8235	LA-LA	0.15	74.89	-0.55
8236	LA-LA	0.00	74.89	-0.55
8237	LA-LA	0.00	74.89	-0.55
8238	LA-LA	0.00	74.89	-0.55
8239	LA-LA	0.00	74.89	-0.55
8240	LA-LA	0.00	74.89	-0.55
8241	LA-LA	0.00	74.89	-0.55
8242	LA-LA	0.98	74.89	-0.55
8243	LA-LA	2.82	74.89	-0.55
8244	LA-LA	6.98	74.89	-0.55
8245	LA-LA	8.66	74.89	-0.55
8246	LA-LA	10.29	74.89	-0.55
8247	LA-LA	12.41	74.90	-0.55
8248	LA-LA	14.59	74.90	-0.55
8249	LA-LA	16.73	74.91	-0.55
8250	LA-LA	18.17	74.91	-0.55
8251	LA-LA	19.28	74.92	-0.55
8252	LA-LA	20.84	74.92	-0.55
8253	LA-LA	22.37	74.93	-0.55
8254	LA-LA	23.73	74.94	-0.55
8255	LA-LA	24.85	74.94	-0.55
8256	LA-LA	25.88	74.95	-0.55
8257	LA-LA	26.84	74.96	-0.27
8258	LA-LA	27.64	74.96	-0.27
8259	LA-LA	28.22	74.97	-0.27
8260	LA-LA	28.99	74.98	-0.27
8261	LA-LA	30.04	74.99	-0.27
8262	LA-LA	31.40	75.00	-0.27
8263	LA-LA	32.83	75.01	-0.27
8264	LA-LA	33.95	75.02	-0.27
8265	LA-LA	34.53	75.02	-0.14
8266	LA-LA	34.77	75.03	-0.27
8267	LA-LA	34.97	75.04	-0.27
8268	LA-LA	35.08	75.05	-0.22

time (s)	route	speed (mph)	distance (mi)	grade (%)
8425	LA-LA	28.15	76.00	0.39
8426	LA-LA	29.84	76.01	0.39
8427	LA-LA	31.30	76.02	0.39
8428	LA-LA	32.69	76.02	0.39
8429	LA-LA	33.07	76.03	0.39
8430	LA-LA	32.45	76.04	0.39
8431	LA-LA	32.74	76.05	0.61
8432	LA-LA	33.01	76.06	0.61
8433	LA-LA	32.20	76.07	0.61
8434	LA-LA	31.43	76.08	0.61
8435	LA-LA	30.67	76.09	0.61
8436	LA-LA	29.20	76.09	0.61
8437	LA-LA	26.20	76.10	0.61
8438	LA-LA	22.37	76.11	0.61
8439	LA-LA	18.40	76.11	0.61
8440	LA-LA	13.99	76.12	0.61
8441	LA-LA	9.00	76.12	0.61
8442	LA-LA	4.23	76.12	0.61
8443	LA-LA	0.92	76.12	0.61
8444	LA-LA	0.00	76.12	0.61
8445	LA-LA	0.00	76.12	0.61
8446	LA-LA	0.00	76.12	0.61
8447	LA-LA	0.00	76.12	0.61
8448	LA-LA	2.75	76.12	0.61
8449	LA-LA	7.02	76.12	0.61
8450	LA-LA	10.49	76.13	0.61
8451	LA-LA	13.17	76.13	0.61
8452	LA-LA	15.43	76.13	0.61
8453	LA-LA	17.73	76.14	0.61
8454	LA-LA	20.24	76.14	0.61
8455	LA-LA	22.67	76.15	0.14
8456	LA-LA	23.17	76.16	0.14
8457	LA-LA	21.21	76.16	0.14
8458	LA-LA	17.74	76.17	0.14
8459	LA-LA	15.17	76.17	0.14
8460	LA-LA	15.77	76.18	0.14
8461	LA-LA	18.51	76.18	0.14
8462	LA-LA	21.71	76.19	0.14
8463	LA-LA	23.58	76.19	0.14
8464	LA-LA	20.15	76.20	0.14
8465	LA-LA	18.12	76.20	0.14
8466	LA-LA	18.67	76.21	0.14
8467	LA-LA	21.21	76.22	0.14
8468	LA-LA	24.06	76.22	0.14
8469	LA-LA	26.90	76.23	0.14
8470	LA-LA	29.44	76.24	0.14
8471	LA-LA	31.56	76.25	0.14
8472	LA-LA	33.14	76.26	0.28
8473	LA-LA	34.65	76.26	0.28
8474	LA-LA	34.69	76.27	0.28
8475	LA-LA	33.91	76.28	0.28
8476	LA-LA	33.00	76.29	0.28
8477	LA-LA	32.26	76.30	0.28
8478	LA-LA	31.47	76.31	0.28
8479	LA-LA	30.34	76.32	0.28
8480	LA-LA	28.08	76.33	0.28
8481	LA-LA	25.82	76.33	0.28
8482	LA-LA	23.95	76.34	0.28
8483	LA-LA	19.46	76.35	0.28
8484	LA-LA	15.72	76.35	0.28
8485	LA-LA	12.08	76.35	0.30
8486	LA-LA	8.75	76.36	0.30
8487	LA-LA	6.05	76.36	0.30
8488	LA-LA	5.65	76.36	0.30
8489	LA-LA	5.13	76.36	0.30
8490	LA-LA	4.06	76.36	0.30
8491	LA-LA	2.54	76.36	0.30
8492	LA-LA	0.76	76.36	0.30
8493	LA-LA	0.00	76.36	0.30
8494	LA-LA	0.00	76.36	0.30
8495	LA-LA	0.00	76.36	0.30
8496	LA-LA	0.00	76.36	0.30
8497	LA-LA	0.00	76.36	0.30
8498	LA-LA	0.00	76.36	0.30
8499	LA-LA	0.00	76.36	0.30
8500	LA-LA	0.00	76.36	0.30
8501	LA-LA	0.00	76.36	0.30
8502	LA-LA	0.00	76.36	0.30

time (s)	route	speed (mph)	distance (mi)	grade (%)
8581	LA-LA	2.36	76.66	0.63
8582	LA-LA	0.18	76.66	0.63
8583	LA-LA	0.00	76.66	0.63
8584	LA-LA	0.00	76.66	0.63
8585	LA-LA	0.00	76.66	0.63
8586	LA-LA	0.00	76.66	0.63
8587	LA-LA	0.00	76.66	0.63
8588	LA-LA	0.00	76.66	0.63
8589	LA-LA	0.00	76.66	0.63
8590	LA-LA	0.00	76.66	0.63
8591	LA-LA	0.00	76.66	0.63
8592	LA-LA	0.00	76.66	0.63
8593	LA-LA	0.00	76.66	0.63
8594	LA-LA	0.00	76.66	0.63
8595	LA-LA	0.00	76.66	0.63
8596	LA-LA	0.00	76.66	0.63
8597	LA-LA	0.00	76.66	0.63
8598	LA-LA	0.00	76.66	0.63
8599	LA-LA	0.00	76.66	0.63
8600	LA-LA	0.00	76.66	0.63
8601	LA-LA	0.00	76.66	0.63
8602	LA-LA	0.00	76.66	0.63
8603	LA-LA	0.00	76.66	0.63
8604	LA-LA	0.00	76.66	0.63
8605	LA-LA	0.00	76.66	0.63
8606	LA-LA	0.00	76.66	0.63
8607	LA-LA	0.00	76.66	0.63
8608	LA-LA	0.00	76.66	0.63
8609	LA-LA	0.00	76.66	0.63
8610	LA-LA	0.00	76.66	0.63
8611	LA-LA	0.00	76.66	0.63
8612	LA-LA	0.00	76.66	0.63
8613	LA-LA	0.00	76.66	0.63
8614	LA-LA	0.00	76.66	0.63
8615	LA-LA	0.00	76.66	0.63
8616	LA-LA	0.00	76.66	0.63
8617	LA-LA	0.00	76.66	0.63
8618	LA-LA	0.79	76.66	0.63
8619	LA-LA	5.69	76.66	0.63
8620	LA-LA	10.60	76.66	0.63
8621	LA-LA	13.67	76.67	0.63
8622	LA-LA	14.54	76.67	0.63
8623	LA-LA	14.29	76.67	0.63
8624	LA-LA	15.03	76.68	0.63
8625	LA-LA	16.09	76.68	0.63
8626	LA-LA	18.20	76.69	0.63
8627	LA-LA	20.94	76.69	0.63
8628	LA-LA	23.47	76.70	0.63
8629	LA-LA	25.73	76.71	0.63
8630	LA-LA	27.80	76.71	0.63
8631	LA-LA	28.75	76.72	0.63
8632	LA-LA	28.50	76.73	0.63
8633	LA-LA	27.77	76.74	0.63
8634	LA-LA	26.98	76.74	0.63
8635	LA-LA	26.13	76.75	0.24
8636	LA-LA	24.61	76.76	0.24
8637	LA-LA	22.23	76.76	0.24
8638	LA-LA	19.12	76.77	0.24
8639	LA-LA	15.93	76.77	0.24
8640	LA-LA	12.88	76.78	0.24
8641	LA-LA	10.01	76.78	0.24
8642	LA-LA	6.88	76.78	0.24
8643	LA-LA	4.44	76.78	0.24
8644	LA-LA	2.72	76.78	0.24
8645	LA-LA	0.79	76.78	0.24
8646	LA-LA	0.00	76.78	0.24
8647	LA-LA	0.00	76.78	0.24
8648	LA-LA	0.00	76.78	0.24
8649	LA-LA	0.00	76.78	0.24
8650	LA-LA	0.00	76.78	0.24
8651	LA-LA	0.00	76.78	0.24
8652	LA-LA	0.00	76.78	0.24
8653	LA-LA	0.00	76.78	0.24
8654	LA-LA	0.00	76.78	0.24
8655	LA-LA	0.00	76.78	0.24
8656	LA-LA	0.00	76.78	0.24
8657	LA-LA	0.00	76.78	0.24
8658	LA-LA	0.00	76.78	0.24

time (s)	route	speed (mph)	distance (mi)	grade (%)
8503	LA-LA	0.00	76.36	0.30
8504	LA-LA	0.00	76.36	0.30
8505	LA-LA	0.00	76.36	0.30
8506	LA-LA	0.00	76.36	0.30
8507	LA-LA	0.00	76.36	0.30
8508	LA-LA	0.00	76.36	0.30
8509	LA-LA	0.00	76.36	0.30
8510	LA-LA	0.00	76.36	0.30
8511	LA-LA	0.00	76.36	0.30
8512	LA-LA	0.00	76.36	0.30
8513	LA-LA	0.00	76.36	0.30
8514	LA-LA	0.00	76.36	0.30
8515	LA-LA	0.00	76.36	0.30
8516	LA-LA	0.00	76.36	0.30
8517	LA-LA	0.00	76.36	0.30
8518	LA-LA	0.00	76.36	0.30
8519	LA-LA	0.00	76.36	0.30
8520	LA-LA	0.00	76.36	0.30
8521	LA-LA	0.00	76.36	0.30
8522	LA-LA	0.00	76.36	0.30
8523	LA-LA	0.00	76.36	0.30
8524	LA-LA	0.00	76.36	0.30
8525	LA-LA	0.00	76.36	0.30
8526	LA-LA	0.00	76.36	0.30
8527	LA-LA	0.00	76.36	0.30
8528	LA-LA	0.00	76.36	0.30
8529	LA-LA	0.00	76.36	0.30
8530	LA-LA	0.00	76.36	0.30
8531	LA-LA	0.00	76.36	0.30
8532	LA-LA	0.00	76.36	0.30
8533	LA-LA	0.00	76.36	0.30
8534	LA-LA	0.16	76.36	0.30
8535	LA-LA	3.49	76.36	0.30
8536	LA-LA	8.75	76.37	0.30
8537	LA-LA	12.46	76.37	0.30
8538	LA-LA	14.24	76.37	0.30
8539	LA-LA	15.61	76.38	0.30
8540	LA-LA	15.83	76.38	0.30
8541	LA-LA	17.08	76.39	0.30
8542	LA-LA	19.19	76.39	0.30
8543	LA-LA	19.80	76.40	0.30
8544	LA-LA	19.71	76.40	0.30
8545	LA-LA	20.12	76.41	0.30
8546	LA-LA	19.89	76.41	0.30
8547	LA-LA	20.83	76.42	0.30
8548	LA-LA	21.72	76.42	0.30
8549	LA-LA	22.27	76.43	0.30
8550	LA-LA	22.53	76.44	0.30
8551	LA-LA	23.54	76.44	0.30
8552	LA-LA	24.61	76.45	0.50
8553	LA-LA	25.94	76.46	0.50
8554	LA-LA	27.08	76.46	0.50
8555	LA-LA	28.21	76.47	0.50
8556	LA-LA	29.49	76.48	0.50
8557	LA-LA	30.50	76.49	0.50
8558	LA-LA	31.25	76.50	0.50
8559	LA-LA	31.72	76.51	0.50
8560	LA-LA	31.09	76.51	0.50
8561	LA-LA	31.45	76.52	0.50
8562	LA-LA	32.79	76.53	0.50
8563	LA-LA	34.01	76.54	0.50
8564	LA-LA	34.73	76.55	0.54
8565	LA-LA	34.12	76.56	0.54
8566	LA-LA	33.21	76.57	0.54
8567	LA-LA	31.94	76.58	0.54
8568	LA-LA	29.77	76.59	0.54
8569	LA-LA	27.54	76.59	0.54
8570	LA-LA	26.47	76.60	0.54
8571	LA-LA	26.77	76.61	0.54
8572	LA-LA	27.68	76.62	0.54
8573	LA-LA	27.75	76.62	0.54
8574	LA-LA	26.60	76.63	0.54
8575	LA-LA	23.77	76.64	0.54
8576	LA-LA	20.37	76.64	0.54
8577	LA-LA	16.68	76.65	0.54
8578	LA-LA	12.99	76.65	0.63
8579	LA-LA	9.19	76.65	0.63
8580	LA-LA	5.30	76.66	0.63

time (s)	route	speed (mph)	distance (mi)	grade (%)
9049	LA-Upland	40.74	77.40	-0.58
9050	LA-Upland	40.81	77.41	-0.58
9051	LA-Upland	40.74	77.43	-0.58
9052	LA-Upland	39.98	77.44	-0.58
9053	LA-Upland	37.70	77.45	-0.58
9054	LA-Upland	35.42	77.46	-0.51
9055	LA-Upland	32.98	77.47	-0.51
9056	LA-Upland	30.39	77.47	-0.51
9057	LA-Upland	28.44	77.48	-0.51
9058	LA-Upland	27.84	77.49	-0.51
9059	LA-Upland	27.92	77.50	-0.51
9060	LA-Upland	28.92	77.51	-0.51
9061	LA-Upland	30.46	77.51	-0.51
9062	LA-Upland	32.37	77.52	-0.51
9063	LA-Upland	34.14	77.53	-0.51
9064	LA-Upland	35.35	77.54	-0.51
9065	LA-Upland	35.81	77.55	-0.48
9066	LA-Upland	36.28	77.56	-0.48
9067	LA-Upland	35.67	77.57	-0.48
9068	LA-Upland	35.82	77.58	-0.48
9069	LA-Upland	36.25	77.59	-0.48
9070	LA-Upland	36.47	77.60	-0.48
9071	LA-Upland	35.97	77.61	-0.48
9072	LA-Upland	36.86	77.62	-0.48
9073	LA-Upland	36.50	77.63	-0.48
9074	LA-Upland	36.83	77.64	-0.48
9075	LA-Upland	36.90	77.65	-0.23
9076	LA-Upland	36.52	77.66	-0.23
9077	LA-Upland	36.34	77.67	-0.23
9078	LA-Upland	36.51	77.68	-0.23
9079	LA-Upland	37.31	77.69	-0.23
9080	LA-Upland	37.67	77.70	-0.23
9081	LA-Upland	38.58	77.71	-0.23
9082	LA-Upland	39.44	77.72	-0.23
9083	LA-Upland	40.00	77.73	-0.23
9084	LA-Upland	40.29	77.75	-0.23
9085	LA-Upland	39.93	77.76	-0.16
9086	LA-Upland	39.68	77.77	-0.16
9087	LA-Upland	39.58	77.78	-0.16
9088	LA-Upland	38.72	77.79	-0.16
9089	LA-Upland	36.56	77.80	-0.16
9090	LA-Upland	33.75	77.81	-0.16
9091	LA-Upland	31.30	77.82	-0.16
9092	LA-Upland	29.11	77.82	-0.16
9093	LA-Upland	26.93	77.83	-0.16
9094	LA-Upland	24.78	77.84	-0.16
9095	LA-Upland	22.51	77.85	-0.16
9096	LA-Upland	20.25	77.85	-0.19
9097	LA-Upland	18.62	77.86	-0.19
9098	LA-Upland	18.63	77.86	-0.19
9099	LA-Upland	17.96	77.87	-0.19
9100	LA-Upland	16.64	77.87	-0.19
9101	LA-Upland	16.07	77.87	-0.19
9102	LA-Upland	16.06	77.88	-0.19
9103	LA-Upland	17.07	77.88	-0.19
9104	LA-Upland	17.95	77.89	-0.19
9105	LA-Upland	19.44	77.89	-0.19
9106	LA-Upland	21.34	77.90	-0.19
9107	LA-Upland	23.60	77.91	-0.19
9108	LA-Upland	25.70	77.91	-0.19
9109	LA-Upland	27.81	77.92	-0.19
9110	LA-Upland	29.84	77.93	-0.19
9111	LA-Upland	31.54	77.94	-0.19
9112	LA-Upland	33.29	77.95	-0.19
9113	LA-Upland	34.97	77.96	-0.50
9114	LA-Upland	36.27	77.97	-0.50
9115	LA-Upland	35.84	77.98	-0.50
9116	LA-Upland	36.01	77.99	-0.50
9117	LA-Upland	35.97	78.00	-0.50
9118	LA-Upland	35.48	78.01	-0.50
9119	LA-Upland	35.53	78.02	-0.50
9120	LA-Upland	36.17	78.03	-0.50
9121	LA-Upland	36.90	78.04	-0.50
9122	LA-Upland	37.74	78.05	-0.50
9123	LA-Upland	38.27	78.06	-0.49
9124	LA-Upland	38.71	78.07	-0.49
9125	LA-Upland	38.32	78.08	-0.49
9126	LA-Upland	37.83	78.09	-0.49

time (s)	route	speed (mph)	distance (mi)	grade (%)
9205	LA-Upland	42.17	78.77	-0.52
9206	LA-Upland	40.78	78.78	-0.52
9207	LA-Upland	38.37	78.79	-0.52
9208	LA-Upland	35.29	78.80	-0.52
9209	LA-Upland	31.89	78.81	-0.52
9210	LA-Upland	28.66	78.82	-0.52
9211	LA-Upland	25.47	78.83	-0.52
9212	LA-Upland	22.30	78.83	-0.52
9213	LA-Upland	18.94	78.84	-0.52
9214	LA-Upland	15.18	78.84	-0.52
9215	LA-Upland	11.35	78.85	-0.52
9216	LA-Upland	7.46	78.85	-0.52
9217	LA-Upland	3.68	78.85	-0.52
9218	LA-Upland	0.89	78.85	-0.52
9219	LA-Upland	0.00	78.85	-0.52
9220	LA-Upland	0.00	78.85	-0.52
9221	LA-Upland	0.00	78.85	-0.52
9222	LA-Upland	0.00	78.85	-0.52
9223	LA-Upland	0.00	78.85	-0.52
9224	LA-Upland	0.00	78.85	-0.52
9225	LA-Upland	0.00	78.85	-0.52
9226	LA-Upland	0.00	78.85	-0.52
9227	LA-Upland	0.00	78.85	-0.52
9228	LA-Upland	0.00	78.85	-0.52
9229	LA-Upland	0.00	78.85	-0.52
9230	LA-Upland	0.00	78.85	-0.52
9231	LA-Upland	0.00	78.85	-0.52
9232	LA-Upland	0.00	78.85	-0.52
9233	LA-Upland	0.00	78.85	-0.52
9234	LA-Upland	0.00	78.85	-0.52
9235	LA-Upland	0.00	78.85	-0.52
9236	LA-Upland	0.00	78.85	-0.52
9237	LA-Upland	0.00	78.85	-0.52
9238	LA-Upland	0.00	78.85	-0.52
9239	LA-Upland	0.00	78.85	-0.52
9240	LA-Upland	0.00	78.85	-0.52
9241	LA-Upland	0.00	78.85	-0.52
9242	LA-Upland	0.00	78.85	-0.52
9243	LA-Upland	0.00	78.85	-0.52
9244	LA-Upland	0.00	78.85	-0.52
9245	LA-Upland	0.00	78.85	-0.52
9246	LA-Upland	0.00	78.85	-0.52
9247	LA-Upland	0.00	78.85	-0.52
9248	LA-Upland	0.00	78.85	-0.52
9249	LA-Upland	2.06	78.85	-0.52
9250	LA-Upland	7.37	78.85	-0.42
9251	LA-Upland	12.75	78.85	-0.42
9252	LA-Upland	16.93	78.86	-0.42
9253	LA-Upland	20.58	78.86	-0.42
9254	LA-Upland	24.50	78.87	-0.42
9255	LA-Upland	27.77	78.88	-0.42
9256	LA-Upland	30.59	78.89	-0.42
9257	LA-Upland	33.13	78.90	-0.42
9258	LA-Upland	35.19	78.91	-0.42
9259	LA-Upland	36.99	78.92	-0.42
9260	LA-Upland	38.49	78.93	-0.42
9261	LA-Upland	39.74	78.94	-0.42
9262	LA-Upland	40.92	78.95	-0.42
9263	LA-Upland	41.70	78.96	-0.45
9264	LA-Upland	41.37	78.97	-0.45
9265	LA-Upland	41.68	78.98	-0.45
9266	LA-Upland	42.06	79.00	-0.45
9267	LA-Upland	42.66	79.01	-0.45
9268	LA-Upland	42.95	79.02	-0.45
9269	LA-Upland	43.17	79.03	-0.45
9270	LA-Upland	43.67	79.04	-0.45
9271	LA-Upland	44.08	79.05	-0.58
9272	LA-Upland	44.27	79.07	-0.58
9273	LA-Upland	44.54	79.08	-0.58
9274	LA-Upland	44.55	79.09	-0.58
9275	LA-Upland	44.30	79.10	-0.58
9276	LA-Upland	43.71	79.12	-0.58
9277	LA-Upland	44.22	79.13	-0.58
9278	LA-Upland	44.82	79.14	-0.58
9279	LA-Upland	45.17	79.15	-0.48
9280	LA-Upland	46.22	79.17	-0.48
9281	LA-Upland	46.93	79.18	-0.48
9282	LA-Upland	46.93	79.19	-0.48

time (s)	route	speed (mph)	distance (mi)	grade (%)
9127	LA-Upland	38.12	78.10	-0.49
9128	LA-Upland	37.93	78.11	-0.49
9129	LA-Upland	37.08	78.12	-0.49
9130	LA-Upland	37.08	78.13	-0.49
9131	LA-Upland	36.40	78.14	-0.49
9132	LA-Upland	35.58	78.15	-0.49
9133	LA-Upland	34.75	78.16	-0.20
9134	LA-Upland	33.96	78.17	-0.20
9135	LA-Upland	33.55	78.18	-0.20
9136	LA-Upland	33.13	78.19	-0.20
9137	LA-Upland	31.71	78.20	-0.20
9138	LA-Upland	29.68	78.20	-0.20
9139	LA-Upland	27.63	78.21	-0.20
9140	LA-Upland	25.52	78.22	-0.20
9141	LA-Upland	23.57	78.22	-0.20
9142	LA-Upland	21.86	78.23	-0.20
9143	LA-Upland	20.78	78.24	-0.20
9144	LA-Upland	20.81	78.24	-0.20
9145	LA-Upland	21.60	78.25	-0.20
9146	LA-Upland	22.56	78.25	0.10
9147	LA-Upland	23.52	78.26	0.10
9148	LA-Upland	24.63	78.27	0.10
9149	LA-Upland	25.57	78.27	0.10
9150	LA-Upland	26.50	78.28	0.10
9151	LA-Upland	27.35	78.29	0.10
9152	LA-Upland	28.16	78.30	0.10
9153	LA-Upland	28.77	78.31	0.10
9154	LA-Upland	29.30	78.31	0.10
9155	LA-Upland	30.21	78.32	0.10
9156	LA-Upland	31.16	78.33	0.10
9157	LA-Upland	30.32	78.34	0.10
9158	LA-Upland	27.85	78.35	0.10
9159	LA-Upland	24.46	78.35	0.07
9160	LA-Upland	20.55	78.36	0.07
9161	LA-Upland	15.07	78.36	0.07
9162	LA-Upland	9.17	78.37	0.07
9163	LA-Upland	4.82	78.37	0.07
9164	LA-Upland	2.46	78.37	0.07
9165	LA-Upland	4.37	78.37	0.07
9166	LA-Upland	6.59	78.37	0.07
9167	LA-Upland	8.64	78.37	0.07
9168	LA-Upland	11.11	78.38	0.07
9169	LA-Upland	14.33	78.38	0.07
9170	LA-Upland	18.11	78.38	0.07
9171	LA-Upland	21.79	78.39	0.07
9172	LA-Upland	25.12	78.40	0.07
9173	LA-Upland	27.85	78.41	0.07
9174	LA-Upland	30.44	78.41	0.07
9175	LA-Upland	32.97	78.42	0.07
9176	LA-Upland	34.77	78.43	0.07
9177	LA-Upland	36.52	78.44	0.07
9178	LA-Upland	37.83	78.45	0.16
9179	LA-Upland	38.94	78.46	0.16
9180	LA-Upland	40.05	78.47	0.16
9181	LA-Upland	41.60	78.48	0.16
9182	LA-Upland	41.08	78.50	0.16
9183	LA-Upland	40.78	78.51	0.16
9184	LA-Upland	41.62	78.52	0.16
9185	LA-Upland	42.69	78.53	0.16
9186	LA-Upland	43.32	78.54	0.16
9187	LA-Upland	43.91	78.56	-0.59
9188	LA-Upland	44.18	78.57	-0.59
9189	LA-Upland	43.64	78.58	-0.59
9190	LA-Upland	43.56	78.59	-0.59
9191	LA-Upland	44.20	78.60	-0.59
9192	LA-Upland	44.65	78.62	-0.59
9193	LA-Upland	44.14	78.63	-0.59
9194	LA-Upland	44.31	78.64	-0.59
9195	LA-Upland	44.24	78.65	-0.63
9196	LA-Upland	43.73	78.66	-0.63
9197	LA-Upland	43.96	78.68	-0.63
9198	LA-Upland	43.87	78.69	-0.63
9199	LA-Upland	43.33	78.70	-0.63
9200				

time (s)	route	speed (mph)	distance (mi)	grade (%)
9361	LA-Upland	24.37	79.61	0.31
9362	LA-Upland	26.74	79.62	0.31
9363	LA-Upland	29.12	79.63	0.31
9364	LA-Upland	31.51	79.64	0.31
9365	LA-Upland	32.66	79.64	0.31
9366	LA-Upland	34.11	79.65	0.22
9367	LA-Upland	35.10	79.66	0.22
9368	LA-Upland	35.92	79.67	0.22
9369	LA-Upland	36.85	79.68	0.22
9370	LA-Upland	37.72	79.69	0.22
9371	LA-Upland	38.54	79.70	0.22
9372	LA-Upland	37.44	79.72	0.22
9373	LA-Upland	37.69	79.73	0.22
9374	LA-Upland	37.58	79.74	0.22
9375	LA-Upland	36.64	79.75	0.22
9376	LA-Upland	35.60	79.76	0.25
9377	LA-Upland	33.53	79.76	0.25
9378	LA-Upland	30.44	79.77	0.25
9379	LA-Upland	27.33	79.78	0.25
9380	LA-Upland	24.60	79.79	0.25
9381	LA-Upland	21.98	79.79	0.25
9382	LA-Upland	19.45	79.80	0.25
9383	LA-Upland	17.30	79.80	0.25
9384	LA-Upland	14.38	79.81	0.25
9385	LA-Upland	11.15	79.81	0.25
9386	LA-Upland	7.03	79.81	0.25
9387	LA-Upland	3.10	79.81	0.25
9388	LA-Upland	0.21	79.81	0.25
9389	LA-Upland	0.00	79.81	0.25
9390	LA-Upland	0.00	79.81	0.25
9391	LA-Upland	0.58	79.81	0.25
9392	LA-Upland	3.96	79.81	0.25
9393	LA-Upland	6.03	79.82	0.25
9394	LA-Upland	9.09	79.82	0.25
9395	LA-Upland	12.29	79.82	0.25
9396	LA-Upland	14.49	79.83	0.25
9397	LA-Upland	14.82	79.83	0.25
9398	LA-Upland	14.23	79.83	0.25
9399	LA-Upland	14.51	79.84	0.25
9400	LA-Upland	14.42	79.84	0.25
9401	LA-Upland	15.34	79.85	0.25
9402	LA-Upland	15.42	79.85	0.38
9403	LA-Upland	16.49	79.86	0.38
9404	LA-Upland	17.89	79.86	0.38
9405	LA-Upland	19.28	79.87	0.38
9406	LA-Upland	20.74	79.87	0.38
9407	LA-Upland	22.35	79.88	0.38
9408	LA-Upland	24.13	79.88	0.38
9409	LA-Upland	23.68	79.89	0.38
9410	LA-Upland	22.38	79.90	0.38
9411	LA-Upland	22.26	79.90	0.38
9412	LA-Upland	24.04	79.91	0.38
9413	LA-Upland	26.70	79.92	0.38
9414	LA-Upland	29.58	79.92	0.38
9415	LA-Upland	32.33	79.93	0.38
9416	LA-Upland	34.27	79.94	0.38
9417	LA-Upland	36.21	79.95	0.93
9418	LA-Upland	37.51	79.96	0.93
9419	LA-Upland	38.34	79.97	0.93
9420	LA-Upland	38.76	79.98	0.93
9421	LA-Upland	39.38	80.00	0.93
9422	LA-Upland	39.92	80.01	0.93
9423	LA-Upland	40.28	80.02	0.93
9424	LA-Upland	40.06	80.03	0.93
9425	LA-Upland	40.22	80.04	0.93
9426	LA-Upland	40.53	80.05	0.74
9427	LA-Upland	39.70	80.06	0.74
9428	LA-Upland	39.63	80.07	0.74
9429	LA-Upland	41.32	80.08	0.74
9430	LA-Upland	41.72	80.10	0.74
9431	LA-Upland	40.77	80.11	0.74
9432	LA-Upland	40.84	80.12	0.74
9433	LA-Upland	41.39	80.13	0.74
9434	LA-Upland	42.02	80.14	0.74
9435	LA-Upland	42.19	80.15	0.62
9436	LA-Upland	41.72	80.16	0.62
9437	LA-Upland	41.07	80.17	0.62
9438	LA-Upland	41.24	80.19	0.62

time (s)	route	speed (mph)	distance (mi)	grade (%)
9517	LA-Upland	37.79	80.53	2.75
9518	LA-Upland	38.01	80.54	2.75
9519	LA-Upland	39.22	80.55	4.35
9520	LA-Upland	39.58	80.56	4.35
9521	LA-Upland	40.58	80.58	4.35
9522	LA-Upland	41.70	80.59	4.35
9523	LA-Upland	41.27	80.60	4.35
9524	LA-Upland	41.20	80.61	4.35
9525	LA-Upland	41.29	80.62	4.35
9526	LA-Upland	40.85	80.63	4.35
9527	LA-Upland	40.55	80.64	4.35
9528	LA-Upland	39.91	80.65	-0.07
9529	LA-Upland	39.82	80.67	-0.07
9530	LA-Upland	39.22	80.68	-0.07
9531	LA-Upland	38.49	80.69	-0.07
9532	LA-Upland	38.10	80.70	-0.07
9533	LA-Upland	37.81	80.71	-0.07
9534	LA-Upland	37.59	80.72	-0.07
9535	LA-Upland	36.53	80.73	-0.07
9536	LA-Upland	35.61	80.74	-0.07
9537	LA-Upland	33.84	80.75	-0.07
9538	LA-Upland	31.57	80.76	-2.16
9539	LA-Upland	28.75	80.76	-2.16
9540	LA-Upland	25.60	80.77	-2.16
9541	LA-Upland	22.34	80.78	-2.16
9542	LA-Upland	19.02	80.78	-2.16
9543	LA-Upland	15.35	80.79	-2.16
9544	LA-Upland	12.13	80.79	-2.16
9545	LA-Upland	9.71	80.79	-2.16
9546	LA-Upland	7.11	80.79	-2.16
9547	LA-Upland	4.82	80.80	-2.16
9548	LA-Upland	3.20	80.80	-2.16
9549	LA-Upland	1.62	80.80	-2.16
9550	LA-Upland	0.00	80.80	-2.16
9551	LA-Upland	0.00	80.80	-2.16
9552	LA-Upland	0.00	80.80	-2.16
9553	LA-Upland	0.00	80.80	-2.16
9554	LA-Upland	0.00	80.80	-2.16
9555	LA-Upland	0.70	80.80	-2.16
9556	LA-Upland	3.81	80.80	-2.16
9557	LA-Upland	8.07	80.80	-2.16
9558	LA-Upland	11.65	80.80	-2.16
9559	LA-Upland	14.49	80.81	-2.16
9560	LA-Upland	17.55	80.81	-2.16
9561	LA-Upland	20.51	80.82	-2.16
9562	LA-Upland	22.85	80.82	-2.16
9563	LA-Upland	24.40	80.83	-2.16
9564	LA-Upland	24.69	80.84	-2.16
9565	LA-Upland	25.52	80.84	-2.16
9566	LA-Upland	26.88	80.85	1.64
9567	LA-Upland	28.36	80.86	1.64
9568	LA-Upland	29.78	80.87	1.64
9569	LA-Upland	30.90	80.88	1.64
9570	LA-Upland	32.07	80.89	1.64
9571	LA-Upland	33.08	80.89	1.64
9572	LA-Upland	33.12	80.90	1.64
9573	LA-Upland	32.81	80.91	1.64
9574	LA-Upland	32.19	80.92	1.64
9575	LA-Upland	31.55	80.93	1.64
9576	LA-Upland	30.55	80.94	1.64
9577	LA-Upland	29.31	80.95	1.64
9578	LA-Upland	27.91	80.96	-0.36
9579	LA-Upland	27.16	80.96	-0.36
9580	LA-Upland	26.47	80.97	-0.36
9581	LA-Upland	25.52	80.98	-0.36
9582	LA-Upland	23.40	80.98	-0.36
9583	LA-Upland	20.70	80.99	-0.36
9584	LA-Upland	18.21	80.99	-0.36
9585	LA-Upland	14.80	81.00	-0.36
9586	LA-Upland	10.51	81.00	-0.36
9587	LA-Upland	5.77	81.00	-0.36
9588	LA-Upland	2.28	81.00	-0.36
9589	LA-Upland	0.00	81.00	-0.36
9590	LA-Upland	0.00	81.00	-0.36
9591	LA-Upland	0.00	81.00	-0.36
9592	LA-Upland	0.00	81.00	-0.36
9593	LA-Upland	0.00	81.00	-0.36
9594	LA-Upland	0.00	81.00	-0.36

time (s)	route	speed (mph)	distance (mi)	grade (%)
9439	LA-Upland	40.39	80.20	0.62
9440	LA-Upland	40.09	80.21	0.62
9441	LA-Upland	39.33	80.22	0.62
9442	LA-Upland	39.19	80.23	0.62
9443	LA-Upland	38.26	80.24	0.62
9444	LA-Upland	37.42	80.25	0.62
9445	LA-Upland	36.25	80.26	0.98
9446	LA-Upland	34.24	80.27	0.98
9447	LA-Upland	31.47	80.28	0.98
9448	LA-Upland	28.48	80.29	0.98
9449	LA-Upland	25.69	80.29	0.98
9450	LA-Upland	22.27	80.30	0.98
9451	LA-Upland	18.96	80.31	0.98
9452	LA-Upland	15.59	80.31	0.98
9453	LA-Upland	13.00	80.31	0.98
9454	LA-Upland	10.69	80.32	0.98
9455	LA-Upland	8.05	80.32	0.98
9456	LA-Upland	5.51	80.32	0.98
9457	LA-Upland	4.10	80.32	0.98
9458	LA-Upland	3.10	80.32	0.98
9459	LA-Upland	2.64	80.32	0.98
9460	LA-Upland	2.51	80.32	0.98
9461	LA-Upland	1.55	80.32	0.98
9462	LA-Upland	0.15	80.32	0.98
9463	LA-Upland	0.00	80.32	0.98
9464	LA-Upland	0.00	80.32	0.98
9465	LA-Upland	0.00	80.32	0.98
9466	LA-Upland	0.00	80.32	0.98
9467	LA-Upland	0.00	80.32	0.98
9468	LA-Upland	0.00	80.32	0.98
9469	LA-Upland	0.00	80.32	0.98
9470	LA-Upland	0.00	80.32	0.98
9471	LA-Upland	0.00	80.32	0.98
9472	LA-Upland	0.00	80.32	0.98
9473	LA-Upland	0.00	80.32	0.98
9474	LA-Upland	0.00	80.32	0.98
9475	LA-Upland	0.00	80.32	0.98
9476	LA-Upland	0.00	80.32	0.98
9477	LA-Upland	0.00	80.32	0.98
9478	LA-Upland	0.00	80.32	0.98
9479	LA-Upland	0.00	80.32	0.98
9480	LA-Upland	0.00	80.32	0.98
9481	LA-Upland	0.00	80.32	0.98
9482	LA-Upland	0.00	80.32	0.98
9483	LA-Upland	0.00	80.32	0.98
9484	LA-Upland	0.00	80.32	0.98
9485	LA-Upland	0.00	80.32	0.98
9486	LA-Upland	0.00	80.32	0.98
9487	LA-Upland	0.53	80.32	0.98
9488	LA-Upland	0.89	80.32	0.98
9489	LA-Upland	0.14	80.32	0.98
9490	LA-Upland	0.46	80.32	0.98
9491	LA-Upland	1.24	80.32	0.98
9492	LA-Upland	4.10	80.33	0.98
9493	LA-Upland	8.89	80.33	0.98
9494	LA-Upland	12.86	80.33	0.98
9495	LA-Upland	15.52	80.34	0.98
9496	LA-Upland	17.79	80.34	0.98
9497	LA-Upland	19.99	80.35	0.98
9498	LA-Upland	22.84	80.35	0.48
9499	LA-Upland	24.62	80.36	0.48
9500	LA-Upland	26.00	80.37	0.48
9501	LA-Upland	27.76	80.37	0.48
9502	LA-Upland	29.19	80.38	0.48
9503	LA-Upland	31.26	80.39	0.48
9504	LA-Upland	33.14	80.40	0.48
9505	LA-Upland	33.50	80.41	0.48
9506	LA-Upland	34.36	80.42	0.48
9507	LA-Upland	35.16	80.43	0.48
9508	LA-Upland	35.93	80.44	0.48
9509	LA-Upland	36.28	80.45	0.48
9510	LA-Upland	37.06	80.46	2.75
9511	LA-Upland	38.02	80.47	2.75
9512	LA-Upland	38.98	80.4	

time (s)	route	speed (mph)	distance (mi)	grade (%)
9673	LA-Upland	21.53	81.34	-0.20
9674	LA-Upland	22.93	81.35	-0.17
9675	LA-Upland	24.50	81.36	-0.17
9676	LA-Upland	25.23	81.36	-0.17
9677	LA-Upland	26.43	81.37	-0.17
9678	LA-Upland	28.02	81.38	-0.17
9679	LA-Upland	29.31	81.39	-0.17
9680	LA-Upland	29.59	81.40	-0.17
9681	LA-Upland	29.80	81.40	-0.17
9682	LA-Upland	29.75	81.41	-0.17
9683	LA-Upland	29.67	81.42	-0.17
9684	LA-Upland	29.05	81.43	-0.17
9685	LA-Upland	28.12	81.44	-0.17
9686	LA-Upland	27.46	81.44	-0.17
9687	LA-Upland	27.00	81.45	-0.54
9688	LA-Upland	25.84	81.46	-0.54
9689	LA-Upland	23.84	81.46	-0.54
9690	LA-Upland	21.55	81.47	-0.54
9691	LA-Upland	18.24	81.48	-0.54
9692	LA-Upland	14.53	81.48	-0.54
9693	LA-Upland	11.27	81.48	-0.54
9694	LA-Upland	8.69	81.48	-0.54
9695	LA-Upland	6.87	81.49	-0.54
9696	LA-Upland	5.37	81.49	-0.54
9697	LA-Upland	4.29	81.49	-0.54
9698	LA-Upland	3.35	81.49	-0.54
9699	LA-Upland	2.53	81.49	-0.54
9700	LA-Upland	2.29	81.49	-0.54
9701	LA-Upland	2.52	81.49	-0.54
9702	LA-Upland	4.37	81.49	-0.54
9703	LA-Upland	8.06	81.50	-0.54
9704	LA-Upland	11.76	81.50	-0.54
9705	LA-Upland	15.24	81.50	-0.54
9706	LA-Upland	18.28	81.51	-0.54
9707	LA-Upland	20.69	81.51	-0.54
9708	LA-Upland	21.48	81.52	-0.54
9709	LA-Upland	21.37	81.53	-0.54
9710	LA-Upland	21.17	81.53	-0.54
9711	LA-Upland	21.13	81.54	-0.54
9712	LA-Upland	21.44	81.54	-0.54
9713	LA-Upland	20.92	81.55	-0.54
9714	LA-Upland	20.73	81.55	-2.94
9715	LA-Upland	20.75	81.56	-2.94
9716	LA-Upland	20.57	81.57	-2.94
9717	LA-Upland	21.11	81.57	-2.94
9718	LA-Upland	21.55	81.58	-2.94
9719	LA-Upland	23.03	81.58	-2.94
9720	LA-Upland	24.48	81.59	-2.94
9721	LA-Upland	25.37	81.60	-2.94
9722	LA-Upland	24.63	81.60	-2.94
9723	LA-Upland	22.85	81.61	-2.94
9724	LA-Upland	19.96	81.62	-2.94
9725	LA-Upland	16.96	81.62	-2.94
9726	LA-Upland	16.36	81.63	-2.94
9727	LA-Upland	17.21	81.63	-2.94
9728	LA-Upland	18.90	81.64	-2.94
9729	LA-Upland	20.45	81.64	-2.94
9730	LA-Upland	22.30	81.65	-2.94
9731	LA-Upland	23.97	81.65	-1.46
9732	LA-Upland	25.60	81.66	-1.46
9733	LA-Upland	26.93	81.67	-1.46
9734	LA-Upland	27.36	81.68	-1.46
9735	LA-Upland	26.99	81.68	-1.46
9736	LA-Upland	25.29	81.69	-1.46
9737	LA-Upland	22.81	81.70	-1.46
9738	LA-Upland	18.58	81.70	-1.46
9739	LA-Upland	15.51	81.71	-1.46
9740	LA-Upland	12.91	81.71	-1.46
9741	LA-Upland	11.68	81.71	-1.46
9742	LA-Upland	12.22	81.72	-1.46
9743	LA-Upland	14.38	81.72	-1.46
9744	LA-Upland	17.35	81.72	-1.46
9745	LA-Upland	21.56	81.73	-1.46
9746	LA-Upland	25.00	81.74	-1.46
9747	LA-Upland	27.57	81.74	-1.46
9748	LA-Upland	29.65	81.75	1.53
9749	LA-Upland	31.44	81.76	1.53
9750	LA-Upland	32.76	81.77	1.53

time (s)	route	speed (mph)	distance (mi)	grade (%)
9829	LA-Upland	24.31	82.29	0.95
9830	LA-Upland	25.44	82.30	0.95
9831	LA-Upland	26.51	82.30	0.95
9832	LA-Upland	26.84	82.31	0.95
9833	LA-Upland	26.24	82.32	0.95
9834	LA-Upland	25.47	82.33	0.95
9835	LA-Upland	24.38	82.33	0.95
9836	LA-Upland	23.26	82.34	0.95
9837	LA-Upland	23.17	82.35	0.95
9838	LA-Upland	24.07	82.35	1.18
9839	LA-Upland	25.55	82.36	1.18
9840	LA-Upland	27.39	82.37	1.18
9841	LA-Upland	28.01	82.37	1.18
9842	LA-Upland	27.64	82.38	1.18
9843	LA-Upland	26.74	82.39	1.18
9844	LA-Upland	25.06	82.40	1.18
9845	LA-Upland	23.31	82.40	1.18
9846	LA-Upland	22.42	82.41	1.18
9847	LA-Upland	22.21	82.41	1.18
9848	LA-Upland	23.39	82.42	1.18
9849	LA-Upland	24.83	82.43	1.18
9850	LA-Upland	25.23	82.43	1.18
9851	LA-Upland	25.06	82.44	1.18
9852	LA-Upland	25.82	82.45	1.18
9853	LA-Upland	26.58	82.46	0.88
9854	LA-Upland	27.10	82.46	0.88
9855	LA-Upland	26.31	82.47	0.88
9856	LA-Upland	25.18	82.48	0.88
9857	LA-Upland	22.79	82.48	0.88
9858	LA-Upland	19.15	82.49	0.88
9859	LA-Upland	15.84	82.49	0.88
9860	LA-Upland	10.50	82.50	0.88
9861	LA-Upland	5.93	82.50	0.88
9862	LA-Upland	3.54	82.50	0.88
9863	LA-Upland	2.20	82.50	0.88
9864	LA-Upland	2.21	82.50	0.88
9865	LA-Upland	3.05	82.50	0.88
9866	LA-Upland	5.02	82.50	0.88
9867	LA-Upland	6.97	82.50	0.88
9868	LA-Upland	6.93	82.51	0.88
9869	LA-Upland	4.82	82.51	0.88
9870	LA-Upland	2.53	82.51	0.88
9871	LA-Upland	0.38	82.51	0.88
9872	LA-Upland	0.00	82.51	0.88
9873	LA-Upland	0.00	82.51	0.88
9874	LA-Upland	0.00	82.51	0.88
9875	LA-Upland	0.00	82.51	0.88
9876	LA-Upland	0.00	82.51	0.88
9877	LA-Upland	0.00	82.51	0.88
9878	LA-Upland	0.00	82.51	0.88
9879	LA-Upland	0.00	82.51	0.88
9880	LA-Upland	0.00	82.51	0.88
9881	LA-Upland	0.00	82.51	0.88
9882	LA-Upland	0.00	82.51	0.88
9883	LA-Upland	0.00	82.51	0.88
9884	LA-Upland	0.00	82.51	0.88
9885	LA-Upland	0.00	82.51	0.88
9886	LA-Upland	0.00	82.51	0.88
9887	LA-Upland	0.00	82.51	0.88
9888	LA-Upland	0.00	82.51	0.88
9889	LA-Upland	0.00	82.51	0.88
9890	LA-Upland	0.00	82.51	0.88
9891	LA-Upland	0.00	82.51	0.88
9892	LA-Upland	0.00	82.51	0.88
9893	LA-Upland	0.00	82.51	0.88
9894	LA-Upland	0.00	82.51	0.88
9895	LA-Upland	0.00	82.51	0.88
9896	LA-Upland	0.00	82.51	0.88
9897	LA-Upland	0.00	82.51	0.88
9898	LA-Upland	0.00	82.51	0.88
9899	LA-Upland	0.00	82.51	0.88
9900	LA-Upland	0.51	82.51	0.88
9901	LA-Upland	5.11	82.51	0.88
9902	LA-Upland	10.48	82.51	0.88
9903	LA-Upland	14.35	82.52	0.88
9904	LA-Upland	17.34	82.52	0.88
9905	LA-Upland	19.97	82.53	0.88
9906	LA-Upland	21.33	82.53	0.88

time (s)	route	speed (mph)	distance (mi)	grade (%)
9751	LA-Upland	33.71	81.78	1.53
9752	LA-Upland	33.65	81.79	1.53
9753	LA-Upland	34.30	81.80	1.53
9754	LA-Upland	34.15	81.81	1.53
9755	LA-Upland	35.13	81.82	1.53
9756	LA-Upland	35.66	81.83	1.53
9757	LA-Upland	35.83	81.84	1.53
9758	LA-Upland	35.39	81.85	1.53
9759	LA-Upland	35.79	81.86	1.75
9760	LA-Upland	35.86	81.87	1.75
9761	LA-Upland	35.46	81.88	1.75
9762	LA-Upland	34.58	81.89	1.75
9763	LA-Upland	33.19	81.90	1.75
9764	LA-Upland	31.47	81.90	1.75
9765	LA-Upland	29.72	81.91	1.75
9766	LA-Upland	27.98	81.92	1.75
9767	LA-Upland	26.09	81.93	1.75
9768	LA-Upland	23.85	81.93	1.75
9769	LA-Upland	22.18	81.94	1.75
9770	LA-Upland	22.12	81.95	1.75
9771	LA-Upland	22.12	81.95	-0.90
9772	LA-Upland	24.41	81.96	-0.90
9773	LA-Upland	26.05	81.97	-0.90
9774	LA-Upland	27.59	81.97	-0.90
9775	LA-Upland	29.24	81.98	-0.90
9776	LA-Upland	29.10	81.99	-0.90
9777	LA-Upland	28.64	82.00	-0.90
9778	LA-Upland	28.57	82.01	-0.90
9779	LA-Upland	28.64	82.01	-0.90
9780	LA-Upland	28.48	82.02	-0.90
9781	LA-Upland	27.91	82.03	-0.90
9782	LA-Upland	27.61	82.04	-0.90
9783	LA-Upland	28.09	82.04	-0.90
9784	LA-Upland	27.50	82.05	-1.28
9785	LA-Upland	26.68	82.06	-1.28
9786	LA-Upland	26.34	82.07	-1.28
9787	LA-Upland	26.08	82.07	-1.28
9788	LA-Upland	26.02	82.08	-1.28
9789	LA-Upland	26.40	82.09	-1.28
9790	LA-Upland	26.87	82.10	-1.28
9791	LA-Upland	27.16	82.10	-1.28
9792	LA-Upland	27.79	82.11	-1.28
9793	LA-Upland	28.73	82.12	-1.28
9794	LA-Upland	29.43	82.13	-1.28
9795	LA-Upland	29.66	82.13	-1.28
9796	LA-Upland	29.80	82.14	-1.28
9797	LA-Upland	28.03	82.15	-1.28
9798	LA-Upland	27.69	82.16	-1.28
9799	LA-Upland	26.41	82.16	-0.01
9800	LA-Upland	23.65	82.17	-0.01
9801	LA-Upland	20.24	82.18	-0.01
9802	LA-Upland	16.57	82.18	0.04
9803	LA-Upland	12.89	82.18	-0.01
9804	LA-Upland	9.66	82.19	-0.01
9805	LA-Upland	6.46	82.19	-0.01
9806	LA-Upland	4.48	82.19	-0.01
9807	LA-Upland	2.69	82.19	-0.01
9808	LA-Upland	0.47	82.19	-0.01
9809	LA-Upland	0.00	82.19	-0.01
9810	LA-Upland	0.00	82.19	-0.01
9811	LA-Upland	0.69	82.19	-0.01
9812	LA-Upland	5.13	82.19	-0.01
9813	LA-Upland	9.81	82.20	-0.01
9814	LA-Upland	13.30	82.20	-0.01
9815	LA-Upland	15.62	82.20	-0.01
9816	LA-Upland	17.72	82.21	-0.01
9817	LA-Upland	19.83	82.21	-0.01
9818	LA-Upland	21.39	82.22	-0.01
9819	LA-Upland	23.32	82.23	-0.01
9820	LA-Upland	21.83	82.23	-0.01
9821	LA-Upland	21.29	82.24	-0.01
9822	LA-Upland	21.76	82.24	-0.01
9823	LA-Upland	23.04	82.25	0.95
9824	LA-Upl			

time (s)	route	speed (mph)	distance (mi)	grade (%)
9985	LA-Upland	0.00	82.69	0.67
9986	LA-Upland	0.00	82.69	0.67
9987	LA-Upland	0.00	82.69	0.67
9988	LA-Upland	0.00	82.69	0.67
9989	LA-Upland	0.00	82.69	0.67
9990	LA-Upland	0.00	82.69	0.67
9991	LA-Upland	0.00	82.69	0.67
9992	LA-Upland	0.00	82.69	0.67
9993	LA-Upland	1.60	82.69	0.67
9994	LA-Upland	6.42	82.69	0.67
9995	LA-Upland	10.77	82.69	0.67
9996	LA-Upland	13.64	82.70	0.67
9997	LA-Upland	15.43	82.70	0.67
9998	LA-Upland	16.15	82.71	0.67
9999	LA-Upland	18.24	82.71	0.67
10000	LA-Upland	19.38	82.72	0.67
10001	LA-Upland	19.83	82.72	0.67
10002	LA-Upland	20.75	82.73	0.67
10003	LA-Upland	22.14	82.73	0.67
10004	LA-Upland	23.44	82.74	0.67
10005	LA-Upland	24.74	82.75	0.67
10006	LA-Upland	26.04	82.75	1.03
10007	LA-Upland	26.81	82.76	1.03
10008	LA-Upland	26.52	82.77	1.03
10009	LA-Upland	25.74	82.78	1.03
10010	LA-Upland	24.98	82.78	1.03
10011	LA-Upland	24.23	82.79	1.03
10012	LA-Upland	23.46	82.80	1.03
10013	LA-Upland	22.03	82.80	1.03
10014	LA-Upland	19.95	82.81	1.03
10015	LA-Upland	17.83	82.81	1.03
10016	LA-Upland	15.92	82.82	1.03
10017	LA-Upland	13.85	82.82	1.03
10018	LA-Upland	11.26	82.82	1.03
10019	LA-Upland	8.41	82.83	1.03
10020	LA-Upland	5.37	82.83	1.03
10021	LA-Upland	3.63	82.83	1.03
10022	LA-Upland	2.28	82.83	1.03
10023	LA-Upland	0.90	82.83	1.03
10024	LA-Upland	0.00	82.83	1.03
10025	LA-Upland	0.00	82.83	1.03
10026	LA-Upland	0.00	82.83	1.03
10027	LA-Upland	0.00	82.83	1.03
10028	LA-Upland	0.00	82.83	1.03
10029	LA-Upland	0.00	82.83	1.03
10030	LA-Upland	0.00	82.83	1.03
10031	LA-Upland	0.00	82.83	1.03
10032	LA-Upland	0.00	82.83	1.03
10033	LA-Upland	0.00	82.83	1.03
10034	LA-Upland	0.00	82.83	1.03
10035	LA-Upland	0.00	82.83	1.03
10036	LA-Upland	0.00	82.83	1.03
10037	LA-Upland	0.00	82.83	1.03
10038	LA-Upland	0.13	82.83	1.03
10039	LA-Upland	1.06	82.83	1.03
10040	LA-Upland	1.18	82.83	1.03
10041	LA-Upland	1.01	82.83	1.03
10042	LA-Upland	0.14	82.83	1.03
10043	LA-Upland	0.00	82.83	1.03
10044	LA-Upland	0.00	82.83	1.03
10045	LA-Upland	0.00	82.83	1.03
10046	LA-Upland	0.00	82.83	1.03
10047	LA-Upland	0.00	82.83	1.03
10048	LA-Upland	0.47	82.83	1.03
10049	LA-Upland	0.29	82.83	1.03
10050	LA-Upland	0.00	82.83	1.03
10051	LA-Upland	0.00	82.83	1.03
10052	LA-Upland	0.00	82.83	1.03
10053	LA-Upland	1.95	82.83	1.03
10054	LA-Upland	5.13	82.83	1.03
10055	LA-Upland	6.67	82.83	1.03
10056	LA-Upland	9.12	82.84	1.03
10057	LA-Upland	10.80	82.84	1.03
10058	LA-Upland	12.01	82.84	1.03
10059	LA-Upland	12.92	82.85	1.03
10060	LA-Upland	9.97	82.85	1.03
10061	LA-Upland	4.97	82.85	0.96
10062	LA-Upland	0.67	82.85	0.96

time (s)	route	speed (mph)	distance (mi)	grade (%)
10141	LA-Upland	0.00	82.92	0.96
10142	LA-Upland	0.00	82.92	0.96
10143	LA-Upland	0.00	82.92	0.96
10144	LA-Upland	0.00	82.92	0.96
10145	LA-Upland	0.00	82.92	0.96
10146	LA-Upland	0.00	82.92	0.96
10147	LA-Upland	0.00	82.92	0.96
10148	LA-Upland	0.16	82.92	0.96
10149	LA-Upland	1.09	82.92	0.96
10150	LA-Upland	0.00	82.92	0.96
10151	LA-Upland	0.95	82.92	0.96
10152	LA-Upland	4.40	82.92	0.96
10153	LA-Upland	8.31	82.92	0.96
10154	LA-Upland	10.83	82.92	0.96
10155	LA-Upland	11.78	82.93	0.96
10156	LA-Upland	12.69	82.93	0.96
10157	LA-Upland	12.78	82.93	0.96
10158	LA-Upland	12.55	82.94	0.96
10159	LA-Upland	12.11	82.94	0.96
10160	LA-Upland	10.76	82.94	0.96
10161	LA-Upland	9.06	82.95	0.96
10162	LA-Upland	7.44	82.95	0.96
10163	LA-Upland	6.55	82.95	0.96
10164	LA-Upland	5.78	82.95	1.85
10165	LA-Upland	5.25	82.95	1.85
10166	LA-Upland	5.42	82.95	1.85
10167	LA-Upland	6.45	82.96	1.85
10168	LA-Upland	7.34	82.96	1.85
10169	LA-Upland	6.57	82.96	1.85
10170	LA-Upland	4.40	82.96	1.85
10171	LA-Upland	2.14	82.96	1.85
10172	LA-Upland	0.16	82.96	1.85
10173	LA-Upland	0.00	82.96	1.85
10174	LA-Upland	0.00	82.96	1.85
10175	LA-Upland	0.00	82.96	1.85
10176	LA-Upland	0.00	82.96	1.85
10177	LA-Upland	0.00	82.96	1.85
10178	LA-Upland	0.00	82.96	1.85
10179	LA-Upland	0.00	82.96	1.85
10180	LA-Upland	0.00	82.96	1.85
10181	LA-Upland	0.15	82.96	1.85
10182	LA-Upland	0.15	82.96	1.85
10183	LA-Upland	0.00	82.96	1.85
10184	LA-Upland	0.15	82.96	1.85
10185	LA-Upland	2.01	82.96	1.85
10186	LA-Upland	3.28	82.96	1.85
10187	LA-Upland	2.25	82.96	1.85
10188	LA-Upland	0.62	82.96	1.85
10189	LA-Upland	0.00	82.96	1.85
10190	LA-Upland	0.16	82.96	1.85
10191	LA-Upland	0.17	82.96	1.85
10192	LA-Upland	0.00	82.96	1.85
10193	LA-Upland	0.00	82.96	1.85
10194	LA-Upland	0.00	82.96	1.85
10195	LA-Upland	0.00	82.96	1.85
10196	LA-Upland	0.00	82.96	1.85
10197	LA-Upland	0.00	82.96	1.85
10198	LA-Upland	0.00	82.96	1.85
10199	LA-Upland	0.13	82.96	1.85
10200	LA-Upland	0.00	82.96	1.85
10201	LA-Upland	0.00	82.96	1.85
10202	LA-Upland	0.98	82.96	1.85
10203	LA-Upland	3.63	82.97	1.85
10204	LA-Upland	4.92	82.97	1.85
10205	LA-Upland	4.17	82.97	1.85
10206	LA-Upland	4.25	82.97	1.85
10207	LA-Upland	4.10	82.97	1.85
10208	LA-Upland	3.89	82.97	1.85
10209	LA-Upland	1.97	82.97	1.85
10210	LA-Upland	0.37	82.97	1.85
10211	LA-Upland	0.00	82.97	1.85
10212	LA-Upland	0.00	82.97	1.85
10213	LA-Upland	0.00	82.97	1.85
10214	LA-Upland	0.00	82.97	1.85
10215	LA-Upland	0.00	82.97	1.85
10216	LA-Upland	0.63	82.97	1.85
10217	LA-Upland	4.23	82.97	1.85
10218	LA-Upland	6.91	82.97	1.85

time (s)	route	speed (mph)	distance (mi)	grade (%)
10063	LA-Upland	0.00	82.85	0.96
10064	LA-Upland	0.00	82.85	0.96
10065	LA-Upland	0.14	82.85	0.96
10066	LA-Upland	2.28	82.85	0.96
10067	LA-Upland	6.09	82.85	0.96
10068	LA-Upland	9.44	82.86	0.96
10069	LA-Upland	12.48	82.86	0.96
10070	LA-Upland	15.04	82.86	0.96
10071	LA-Upland	17.54	82.87	0.96
10072	LA-Upland	19.38	82.87	0.96
10073	LA-Upland	19.61	82.88	0.96
10074	LA-Upland	18.68	82.88	0.96
10075	LA-Upland	16.09	82.89	0.96
10076	LA-Upland	12.95	82.89	0.96
10077	LA-Upland	9.79	82.90	0.96
10078	LA-Upland	6.63	82.90	0.96
10079	LA-Upland	4.57	82.90	0.96
10080	LA-Upland	3.09	82.90	0.96
10081	LA-Upland	1.87	82.90	0.96
10082	LA-Upland	2.11	82.90	0.96
10083	LA-Upland	1.95	82.90	0.96
10084	LA-Upland	1.28	82.90	0.96
10085	LA-Upland	0.89	82.90	0.96
10086	LA-Upland	0.75	82.90	0.96
10087	LA-Upland	0.28	82.90	0.96
10088	LA-Upland	1.02	82.90	0.96
10089	LA-Upland	0.54	82.90	0.96
10090	LA-Upland	0.00	82.90	0.96
10091	LA-Upland	0.00	82.90	0.96
10092	LA-Upland	0.00	82.90	0.96
10093	LA-Upland	0.00	82.90	0.96
10094	LA-Upland	0.00	82.90	0.96
10095	LA-Upland	0.00	82.90	0.96
10096	LA-Upland	0.00	82.90	0.96
10097	LA-Upland	0.28	82.90	0.96
10098	LA-Upland	0.89	82.90	0.96
10099	LA-Upland	1.56	82.90	0.96
10100	LA-Upland	2.16	82.90	0.96
10101	LA-Upland	1.85	82.90	0.96
10102	LA-Upland	1.28	82.90	0.96
10103	LA-Upland	1.11	82.90	0.96
10104	LA-Upland	1.47	82.91	0.96
10105	LA-Upland	1.89	82.91	0.96
10106	LA-Upland	1.38	82.91	0.96
10107	LA-Upland	0.51	82.91	0.96
10108	LA-Upland	0.00	82.91	0.96
10109	LA-Upland	0.00	82.91	0.96
10110	LA-Upland	0.00	82.91	0.96
10111	LA-Upland	0.00	82.91	0.96
10112	LA-Upland	0.16	82.91	0.96
10113	LA-Upland	1.22	82.91	0.96
10114	LA-Upland	2.16	82.91	0.96
10115	LA-Upland	4.10	82.91	0.96
10116	LA-Upland	5.26	82.91	0.96
10117	LA-Upland	4.96	82.91	0.96
10118	LA-Upland	3.78	82.91	0.96
10119	LA-Upland	3.74	82.91	0.96
10120	LA-Upland	3.60	82.91	0.96
10121	LA-Upland	2.89	82.91	0.96
10122	LA-Upland	2.00	82.92	0.96
10123	LA-Upland	1.23	82.92	0.96
10124	LA-Upland	0.51	82.92	0.96
10125	LA-Upland	0.00	82.92	0.96
10126	LA-Upland	0.00	82.92	0.96
10127	LA-Upland	0.00	82.92	0.96
10128	LA-Upland	0.00	82.92	0.96
10129	LA-Upland	0.00	82.92	0.96
10130	LA-Upland	0.00	82.92	0.96
10131	LA-Upland	0.00	82.92	0.96
10132	LA-Upland	0.00	82.92	0.96
10133	LA-Upland	0.00	82.92	0.96
10134	LA-Upland	0.00		

time (s)	route	speed (mph)	distance (mi)	grade (%)
10297	LA-Upland	2.02	83.00	1.85
10298	LA-Upland	1.63	83.00	1.85
10299	LA-Upland	0.37	83.00	1.85
10300	LA-Upland	0.00	83.00	1.85
10301	LA-Upland	0.00	83.00	1.85
10302	LA-Upland	0.00	83.00	1.85
10303	LA-Upland	0.00	83.00	1.85
10304	LA-Upland	0.00	83.00	1.85
10305	LA-Upland	0.00	83.00	1.85
10306	LA-Upland	0.00	83.00	1.85
10307	LA-Upland	0.00	83.00	1.85
10308	LA-Upland	0.00	83.00	1.85
10309	LA-Upland	0.49	83.00	1.85
10310	LA-Upland	0.45	83.00	1.85
10311	LA-Upland	0.00	83.00	1.85
10312	LA-Upland	0.00	83.00	1.85
10313	LA-Upland	0.00	83.00	1.85
10314	LA-Upland	0.00	83.00	1.85
10315	LA-Upland	0.00	83.00	1.85
10316	LA-Upland	0.00	83.00	1.85
10317	LA-Upland	0.00	83.00	1.85
10318	LA-Upland	0.00	83.00	1.85
10319	LA-Upland	0.00	83.00	1.85
10320	LA-Upland	0.00	83.00	1.85
10321	LA-Upland	0.80	83.00	1.85
10322	LA-Upland	1.58	83.00	1.85
10323	LA-Upland	2.38	83.00	1.85
10324	LA-Upland	3.12	83.00	1.85
10325	LA-Upland	3.71	83.00	1.85
10326	LA-Upland	4.25	83.00	1.85
10327	LA-Upland	4.08	83.00	1.85
10328	LA-Upland	3.39	83.01	1.85
10329	LA-Upland	2.46	83.01	1.85
10330	LA-Upland	1.96	83.01	1.85
10331	LA-Upland	1.80	83.01	1.85
10332	LA-Upland	1.51	83.01	1.85
10333	LA-Upland	1.18	83.01	1.85
10334	LA-Upland	1.35	83.01	1.85
10335	LA-Upland	1.62	83.01	1.85
10336	LA-Upland	1.52	83.01	1.85
10337	LA-Upland	1.93	83.01	1.85
10338	LA-Upland	2.37	83.01	1.85
10339	LA-Upland	2.55	83.01	1.85
10340	LA-Upland	2.63	83.01	1.85
10341	LA-Upland	2.91	83.01	1.85
10342	LA-Upland	2.44	83.01	1.85
10343	LA-Upland	1.91	83.01	1.85
10344	LA-Upland	1.37	83.01	1.85
10345	LA-Upland	0.94	83.01	1.85
10346	LA-Upland	1.38	83.01	1.85
10347	LA-Upland	2.23	83.01	1.85
10348	LA-Upland	2.71	83.02	1.85
10349	LA-Upland	2.06	83.02	1.85
10350	LA-Upland	0.91	83.02	1.85
10351	LA-Upland	0.00	83.02	1.85
10352	LA-Upland	0.00	83.02	1.85
10353	LA-Upland	0.00	83.02	1.85
10354	LA-Upland	0.00	83.02	1.85
10355	LA-Upland	0.00	83.02	1.85
10356	LA-Upland	0.00	83.02	1.85
10357	LA-Upland	0.00	83.02	1.85
10358	LA-Upland	0.00	83.02	1.85
10359	LA-Upland	0.00	83.02	1.85
10360	LA-Upland	0.00	83.02	1.85
10361	LA-Upland	0.00	83.02	1.85
10362	LA-Upland	0.00	83.02	1.85
10363	LA-Upland	0.00	83.02	1.85
10364	LA-Upland	0.00	83.02	1.85
10365	LA-Upland	0.15	83.02	1.85
10366	LA-Upland	1.11	83.02	1.85
10367	LA-Upland	1.39	83.02	1.85
10368	LA-Upland	1.14	83.02	1.85
10369	LA-Upland	1.07	83.02	1.85
10370	LA-Upland	0.94	83.02	1.85
10371	LA-Upland	0.14	83.02	1.85
10372	LA-Upland	0.37	83.02	1.85
10373	LA-Upland	0.38	83.02	1.85
10374	LA-Upland	0.00	83.02	1.85

time (s)	route	speed (mph)	distance (mi)	grade (%)
10453	LA-Upland	2.20	83.06	1.36
10454	LA-Upland	2.74	83.06	1.36
10455	LA-Upland	2.71	83.06	1.36
10456	LA-Upland	3.00	83.06	1.36
10457	LA-Upland	3.22	83.06	1.36
10458	LA-Upland	2.26	83.06	1.36
10459	LA-Upland	1.14	83.06	1.36
10460	LA-Upland	0.00	83.06	1.36
10461	LA-Upland	0.00	83.06	1.36
10462	LA-Upland	0.00	83.06	1.36
10463	LA-Upland	0.15	83.06	1.36
10464	LA-Upland	1.20	83.06	1.36
10465	LA-Upland	2.03	83.06	1.36
10466	LA-Upland	2.24	83.06	1.36
10467	LA-Upland	1.76	83.06	1.36
10468	LA-Upland	1.59	83.06	1.36
10469	LA-Upland	1.66	83.07	1.36
10470	LA-Upland	1.74	83.07	1.36
10471	LA-Upland	2.51	83.07	1.36
10472	LA-Upland	4.72	83.07	1.36
10473	LA-Upland	7.01	83.07	1.36
10474	LA-Upland	8.48	83.07	1.36
10475	LA-Upland	11.34	83.08	1.36
10476	LA-Upland	13.56	83.08	1.36
10477	LA-Upland	15.40	83.08	1.36
10478	LA-Upland	17.05	83.09	1.36
10479	LA-Upland	18.56	83.09	1.36
10480	LA-Upland	19.79	83.10	1.36
10481	LA-Upland	20.95	83.10	1.36
10482	LA-Upland	22.17	83.11	1.36
10483	LA-Upland	23.07	83.12	1.36
10484	LA-Upland	24.78	83.12	1.36
10485	LA-Upland	25.58	83.13	1.36
10486	LA-Upland	25.82	83.14	1.36
10487	LA-Upland	25.57	83.14	1.36
10488	LA-Upland	26.68	83.15	0.93
10489	LA-Upland	27.84	83.16	0.93
10490	LA-Upland	28.80	83.17	0.93
10491	LA-Upland	30.02	83.18	0.93
10492	LA-Upland	31.37	83.18	0.93
10493	LA-Upland	32.88	83.19	0.93
10494	LA-Upland	33.26	83.20	0.93
10495	LA-Upland	32.25	83.21	0.93
10496	LA-Upland	31.88	83.22	0.93
10497	LA-Upland	31.33	83.23	0.93
10498	LA-Upland	30.94	83.24	0.93
10499	LA-Upland	31.86	83.25	0.93
10500	LA-Upland	32.75	83.25	1.57
10501	LA-Upland	33.34	83.26	2.57
10502	LA-Upland	33.25	83.27	2.57
10503	LA-Upland	32.35	83.28	2.57
10504	LA-Upland	32.32	83.29	2.57
10505	LA-Upland	31.35	83.30	2.57
10506	LA-Upland	30.35	83.31	2.57
10507	LA-Upland	27.86	83.32	2.57
10508	LA-Upland	23.77	83.32	2.57
10509	LA-Upland	20.74	83.33	2.57
10510	LA-Upland	18.10	83.33	2.57
10511	LA-Upland	15.94	83.34	2.57
10512	LA-Upland	13.83	83.34	2.57
10513	LA-Upland	11.68	83.34	2.57
10514	LA-Upland	9.52	83.35	2.57
10515	LA-Upland	7.20	83.35	2.57
10516	LA-Upland	6.43	83.35	1.33
10517	LA-Upland	5.95	83.35	1.33
10518	LA-Upland	5.42	83.35	1.33
10519	LA-Upland	4.56	83.35	1.33
10520	LA-Upland	3.11	83.36	1.33
10521	LA-Upland	1.24	83.36	1.33
10522	LA-Upland	0.00	83.36	1.33
10523	LA-Upland	0.00	83.36	1.33
10524	LA-Upland	0.00	83.36	1.33
10525	LA-Upland	0.00	83.36	1.33
10526	LA-Upland	0.00	83.36	1.33
10527	LA-Upland	0.00	83.36	1.33
10528	LA-Upland	0.00	83.36	1.33
10529	LA-Upland	0.00	83.36	1.33
10530	LA-Upland	0.00	83.36	1.33

time (s)	route	speed (mph)	distance (mi)	grade (%)
10375	LA-Upland	0.00	83.02	1.85
10376	LA-Upland	0.00	83.02	1.85
10377	LA-Upland	0.00	83.02	1.85
10378	LA-Upland	0.00	83.02	1.85
10379	LA-Upland	0.00	83.02	1.85
10380	LA-Upland	0.00	83.02	1.85
10381	LA-Upland	0.00	83.02	1.85
10382	LA-Upland	0.00	83.02	1.85
10383	LA-Upland	1.27	83.02	1.85
10384	LA-Upland	2.93	83.02	1.85
10385	LA-Upland	4.08	83.02	1.85
10386	LA-Upland	5.70	83.02	1.85
10387	LA-Upland	7.55	83.02	1.85
10388	LA-Upland	7.72	83.03	1.85
10389	LA-Upland	7.06	83.03	1.85
10390	LA-Upland	5.98	83.03	1.85
10391	LA-Upland	5.98	83.03	1.85
10392	LA-Upland	8.11	83.03	1.85
10393	LA-Upland	9.49	83.04	1.85
10394	LA-Upland	8.81	83.04	1.85
10395	LA-Upland	8.01	83.04	1.85
10396	LA-Upland	7.27	83.04	1.85
10397	LA-Upland	6.52	83.04	1.85
10398	LA-Upland	5.91	83.05	1.85
10399	LA-Upland	5.62	83.05	1.85
10400	LA-Upland	5.21	83.05	1.85
10401	LA-Upland	4.32	83.05	1.36
10402	LA-Upland	3.45	83.05	1.36
10403	LA-Upland	2.69	83.05	1.36
10404	LA-Upland	1.75	83.05	1.36
10405	LA-Upland	0.58	83.05	1.36
10406	LA-Upland	0.00	83.05	1.36
10407	LA-Upland	0.00	83.05	1.36
10408	LA-Upland	0.00	83.05	1.36
10409	LA-Upland	0.00	83.05	1.36
10410	LA-Upland	0.00	83.05	1.36
10411	LA-Upland	0.79	83.05	1.36
10412	LA-Upland	1.84	83.05	1.36
10413	LA-Upland	2.70	83.05	1.36
10414	LA-Upland	3.07	83.06	1.36
10415	LA-Upland	2.54	83.06	1.36
10416	LA-Upland	1.96	83.06	1.36
10417	LA-Upland	1.24	83.06	1.36
10418	LA-Upland	0.14	83.06	1.36
10419	LA-Upland	0.00	83.06	1.36
10420	LA-Upland	0.00	83.06	1.36
10421	LA-Upland	0.00	83.06	1.36
10422	LA-Upland	0.00	83.06	1.36
10423	LA-Upland	0.00	83.06	1.36
10424	LA-Upland	0.00	83.06	1.36
10425	LA-Upland	0.00	83.06	1.36
10426	LA-Upland	0.00	83.06	1.36
10427	LA-Upland	0.00	83.06	1.36
10428	LA-Upland	0.00	83.06	1.36
10429	LA-Upland	0.00	83.06	1.36
10430	LA-Upland	0.00	83.06	1.36
10431	LA-Upland	0.00	83.06	1.36
10432	LA-Upland	0.00	83.06	1.36
10433	LA-Upland	0.00	83.06	1.36
10434	LA-Upland	0.00	83.06	1.36
10435	LA-Upland	0.00	83.06	1.36
10436	LA-Upland	0.00	83.06	1.36
10437	LA-Upland	0.00	83.06	1.36
10438	LA-Upland	0.00	83.06	1.36
10439	LA-Upland	0.00	83.06	1.36
10440	LA-Upland	0.00	83.06	1.36
10441	LA-Upland	0.00	83.06	1.36
10442	LA-Upland	0.00	83.06	1.36
10443	LA-Upland	0.00	83.06	1.36
10444	LA-Upland	0.00	83.06	1.36
10445	LA-Upland	0.00	83.06	1.36
10446	LA-Upland			

time (s)	route	speed (mph)	distance (mi)	grade (%)
10609	LA-Upland	7.22	83.58	0.13
10610	LA-Upland	8.93	83.58	0.13
10611	LA-Upland	10.56	83.58	0.13
10612	LA-Upland	12.28	83.59	0.13
10613	LA-Upland	13.03	83.59	0.13
10614	LA-Upland	12.97	83.59	0.13
10615	LA-Upland	13.24	83.60	0.13
10616	LA-Upland	14.83	83.60	0.13
10617	LA-Upland	15.07	83.61	0.13
10618	LA-Upland	16.68	83.61	0.13
10619	LA-Upland	18.62	83.61	0.13
10620	LA-Upland	19.57	83.62	0.13
10621	LA-Upland	20.11	83.63	0.13
10622	LA-Upland	20.54	83.63	0.13
10623	LA-Upland	20.14	83.64	0.13
10624	LA-Upland	20.60	83.64	0.13
10625	LA-Upland	21.55	83.65	0.13
10626	LA-Upland	22.42	83.65	0.55
10627	LA-Upland	23.55	83.66	0.55
10628	LA-Upland	24.89	83.67	0.55
10629	LA-Upland	26.52	83.68	0.55
10630	LA-Upland	27.34	83.68	0.55
10631	LA-Upland	28.68	83.69	0.55
10632	LA-Upland	29.90	83.70	0.55
10633	LA-Upland	29.79	83.71	0.55
10634	LA-Upland	30.07	83.72	0.55
10635	LA-Upland	30.65	83.72	0.55
10636	LA-Upland	30.75	83.73	0.55
10637	LA-Upland	31.33	83.74	0.55
10638	LA-Upland	31.16	83.75	0.55
10639	LA-Upland	30.61	83.76	0.05
10640	LA-Upland	30.22	83.77	-0.05
10641	LA-Upland	29.87	83.77	-0.05
10642	LA-Upland	29.49	83.78	-0.05
10643	LA-Upland	29.14	83.79	-0.05
10644	LA-Upland	28.18	83.80	-0.05
10645	LA-Upland	26.71	83.81	-0.05
10646	LA-Upland	24.73	83.81	-0.05
10647	LA-Upland	22.91	83.82	-0.05
10648	LA-Upland	20.67	83.82	-0.05
10649	LA-Upland	18.06	83.83	-0.05
10650	LA-Upland	15.53	83.83	-0.05
10651	LA-Upland	12.93	83.84	-0.05
10652	LA-Upland	10.71	83.84	-0.05
10653	LA-Upland	8.93	83.84	-0.05
10654	LA-Upland	7.23	83.84	-0.05
10655	LA-Upland	6.67	83.85	-0.05
10656	LA-Upland	6.54	83.85	-0.05
10657	LA-Upland	8.81	83.85	-1.53
10658	LA-Upland	11.19	83.85	-1.53
10659	LA-Upland	12.85	83.86	-1.53
10660	LA-Upland	14.72	83.86	-1.53
10661	LA-Upland	16.73	83.87	-1.53
10662	LA-Upland	18.84	83.87	-1.53
10663	LA-Upland	20.64	83.88	-1.53
10664	LA-Upland	22.26	83.88	-1.53
10665	LA-Upland	22.93	83.89	-1.53
10666	LA-Upland	22.55	83.90	-1.53
10667	LA-Upland	23.19	83.90	-1.53
10668	LA-Upland	24.22	83.91	-1.53
10669	LA-Upland	24.63	83.91	-1.53
10670	LA-Upland	24.61	83.92	-1.53
10671	LA-Upland	23.93	83.93	-1.53
10672	LA-Upland	23.53	83.93	-1.53
10673	LA-Upland	23.37	83.94	-1.53
10674	LA-Upland	22.61	83.95	-1.53
10675	LA-Upland	21.89	83.95	-0.72
10676	LA-Upland	21.22	83.96	-0.72
10677	LA-Upland	20.56	83.96	-0.72
10678	LA-Upland	20.03	83.97	-0.72
10679	LA-Upland	19.00	83.98	-0.72
10680	LA-Upland	17.99	83.98	-0.72
10681	LA-Upland	15.16	83.98	-0.72
10682	LA-Upland	13.25	83.99	-0.72
10683	LA-Upland	11.69	83.99	-0.72
10684	LA-Upland	10.02	83.99	-0.72
10685	LA-Upland	8.20	84.00	-0.72
10686	LA-Upland	6.12	84.00	-0.72

time (s)	route	speed (mph)	distance (mi)	grade (%)
10765	LA-Upland	9.27	84.33	0.47
10766	LA-Upland	4.74	84.33	0.47
10767	LA-Upland	1.28	84.33	0.47
10768	LA-Upland	0.00	84.33	0.47
10769	LA-Upland	0.00	84.33	0.47
10770	LA-Upland	0.00	84.33	0.47
10771	LA-Upland	0.00	84.33	0.47
10772	LA-Upland	0.00	84.33	0.47
10773	LA-Upland	0.00	84.33	0.47
10774	LA-Upland	0.00	84.33	0.47
10775	LA-Upland	0.00	84.33	0.47
10776	LA-Upland	0.00	84.33	0.47
10777	LA-Upland	0.00	84.33	0.47
10778	LA-Upland	0.00	84.33	0.47
10779	LA-Upland	0.00	84.33	0.47
10780	LA-Upland	0.00	84.33	0.47
10781	LA-Upland	0.00	84.33	0.47
10782	LA-Upland	0.00	84.33	0.47
10783	LA-Upland	2.19	84.34	0.47
10784	LA-Upland	7.34	84.34	0.47
10785	LA-Upland	11.61	84.34	0.47
10786	LA-Upland	14.32	84.34	0.47
10787	LA-Upland	16.42	84.35	0.47
10788	LA-Upland	18.36	84.35	-1.05
10789	LA-Upland	20.76	84.36	-1.05
10790	LA-Upland	23.07	84.37	-1.05
10791	LA-Upland	25.90	84.37	-1.05
10792	LA-Upland	28.98	84.38	-1.05
10793	LA-Upland	30.33	84.39	-1.05
10794	LA-Upland	32.43	84.40	-1.05
10795	LA-Upland	34.18	84.41	-1.05
10796	LA-Upland	34.93	84.42	-1.05
10797	LA-Upland	35.24	84.43	-1.05
10798	LA-Upland	35.63	84.44	-1.05
10799	LA-Upland	36.43	84.45	-1.05
10800	LA-Upland	35.14	84.46	1.06
10801	LA-Upland	35.38	84.47	1.06
10802	LA-Upland	35.99	84.48	1.06
10803	LA-Upland	36.66	84.49	1.06
10804	LA-Upland	36.08	84.50	1.06
10805	LA-Upland	35.13	84.51	1.06
10806	LA-Upland	34.06	84.51	1.06
10807	LA-Upland	29.47	84.52	1.06
10808	LA-Upland	23.41	84.53	1.06
10809	LA-Upland	19.66	84.53	1.06
10810	LA-Upland	18.03	84.54	1.06
10811	LA-Upland	18.30	84.54	1.06
10812	LA-Upland	20.14	84.55	1.61
10813	LA-Upland	23.46	84.56	5.61
10814	LA-Upland	24.28	84.56	5.61
10815	LA-Upland	24.11	84.57	5.61
10816	LA-Upland	24.90	84.58	5.61
10817	LA-Upland	24.82	84.58	5.61
10818	LA-Upland	25.45	84.59	5.61
10819	LA-Upland	25.62	84.60	5.61
10820	LA-Upland	24.77	84.60	5.61
10821	LA-Upland	23.02	84.61	5.61
10822	LA-Upland	20.88	84.62	5.61
10823	LA-Upland	18.78	84.62	5.61
10824	LA-Upland	17.41	84.63	5.61
10825	LA-Upland	16.95	84.63	5.61
10826	LA-Upland	17.83	84.64	5.61
10827	LA-Upland	19.35	84.64	5.61
10828	LA-Upland	19.68	84.65	5.61
10829	LA-Upland	18.57	84.65	5.83
10830	LA-Upland	16.71	84.66	-0.83
10831	LA-Upland	14.30	84.66	-0.83
10832	LA-Upland	11.59	84.66	-0.83
10833	LA-Upland	8.91	84.67	-0.83
10834	LA-Upland	6.18	84.67	-0.83
10835	LA-Upland	5.56	84.67	-0.83
10836	LA-Upland	7.45	84.67	-0.83
10837	LA-Upland	9.76	84.67	-0.83
10838	LA-Upland	9.62	84.68	-0.83
10839	LA-Upland	6.89	84.68	-0.83
10840	LA-Upland	4.49	84.68	-0.83
10841	LA-Upland	4.07	84.68	-0.83
10842	LA-Upland	5.42	84.68	-0.83

time (s)	route	speed (mph)	distance (mi)	grade (%)
10687	LA-Upland	4.71	84.00	-0.72
10688	LA-Upland	3.92	84.00	-0.72
10689	LA-Upland	3.37	84.00	-0.72
10690	LA-Upland	2.80	84.00	-0.72
10691	LA-Upland	1.84	84.00	-0.72
10692	LA-Upland	0.39	84.00	-0.72
10693	LA-Upland	0.00	84.00	-0.72
10694	LA-Upland	0.00	84.00	-0.72
10695	LA-Upland	0.00	84.00	-0.72
10696	LA-Upland	0.00	84.00	-0.72
10697	LA-Upland	0.00	84.00	-0.72
10698	LA-Upland	0.00	84.00	-0.72
10699	LA-Upland	0.00	84.00	-0.72
10700	LA-Upland	0.00	84.00	-0.72
10701	LA-Upland	0.00	84.00	-0.72
10702	LA-Upland	0.00	84.00	-0.72
10703	LA-Upland	0.00	84.00	-0.72
10704	LA-Upland	0.00	84.00	-0.72
10705	LA-Upland	0.00	84.00	-0.72
10706	LA-Upland	0.00	84.00	-0.72
10707	LA-Upland	0.00	84.00	-0.72
10708	LA-Upland	0.00	84.00	-0.72
10709	LA-Upland	0.00	84.00	-0.72
10710	LA-Upland	0.00	84.00	-0.72
10711	LA-Upland	0.00	84.00	-0.72
10712	LA-Upland	0.00	84.00	-0.72
10713	LA-Upland	0.00	84.00	-0.72
10714	LA-Upland	1.18	84.00	-0.72
10715	LA-Upland	4.22	84.00	-0.72
10716	LA-Upland	7.44	84.01	-0.72
10717	LA-Upland	10.86	84.01	-0.72
10718	LA-Upland	13.61	84.01	-0.72
10719	LA-Upland	16.11	84.02	-0.72
10720	LA-Upland	18.09	84.02	-0.72
10721	LA-Upland	20.00	84.03	-0.72
10722	LA-Upland	22.49	84.03	-0.72
10723	LA-Upland	24.36	84.04	-0.72
10724	LA-Upland	24.22	84.05	-0.72
10725	LA-Upland	23.80	84.05	0.56
10726	LA-Upland	24.51	84.06	0.56
10727	LA-Upland	25.77	84.07	0.56
10728	LA-Upland	27.03	84.08	0.56
10729	LA-Upland	28.02	84.08	0.56
10730	LA-Upland	29.07	84.09	0.56
10731	LA-Upland	30.56	84.10	0.56
10732	LA-Upland	30.51	84.11	0.56
10733	LA-Upland	30.40	84.12	0.56
10734	LA-Upland	31.28	84.12	0.56
10735	LA-Upland	30.80	84.13	0.56
10736	LA-Upland	31.23	84.14	0.56
10737	LA-Upland	32.38	84.15	-0.10
10738	LA-Upland	32.92	84.16	-0.10
10739	LA-Upland	32.75	84.17	-0.10
10740	LA-Upland	32.42	84.18	-0.10
10741	LA-Upland	31.77	84.19	-0.10
10742	LA-Upland	30.89	84.19	-0.10
10743	LA-Upland	30.13	84.20	-0.10
10744	LA-Upland	29.38	84.21	-0.10
10745	LA-Upland	27.60	84.22	-0.10
10746	LA-Upland	24.85	84.23	-0.10
10747	LA-Upland	21.83	84.23	-0.10
10748	LA-Upland	19.01	84.24	-0.10
10749	LA-Upland	16.15	84.24	-0.10
10750	LA-Upland	14.62	84.25	-0.10
10751	LA-Upland	14.67	84.25	-0.10
10752	LA-Upland	15.57	84.25	0.47
10753	LA-Upland	17.87	84.26	0.47
10754	LA-Upland	20.45	84.26	0.47
10755	LA-Upland	22.87	84.27	0.47
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time (s)	route	speed (mph)	distance (mi)	grade (%)
10921	LA-Upland	11.80	84.95	3.39
10922	LA-Upland	13.81	84.95	3.39
10923	LA-Upland	15.13	84.95	2.23
10924	LA-Upland	14.86	84.96	2.23
10925	LA-Upland	14.12	84.96	2.23
10926	LA-Upland	12.40	84.97	2.23
10927	LA-Upland	10.26	84.97	2.23
10928	LA-Upland	8.16	84.97	2.23
10929	LA-Upland	6.40	84.97	2.23
10930	LA-Upland	5.89	84.97	2.23
10931	LA-Upland	5.80	84.98	2.23
10932	LA-Upland	6.14	84.98	2.23
10933	LA-Upland	6.34	84.98	2.23
10934	LA-Upland	6.63	84.98	2.23
10935	LA-Upland	8.13	84.98	2.23
10936	LA-Upland	8.06	84.98	2.23
10937	LA-Upland	7.30	84.99	2.23
10938	LA-Upland	5.82	84.99	2.23
10939	LA-Upland	4.64	84.99	2.23
10940	LA-Upland	4.86	84.99	2.23
10941	LA-Upland	7.06	84.99	2.23
10942	LA-Upland	10.06	85.00	2.23
10943	LA-Upland	11.39	85.00	2.23
10944	LA-Upland	10.97	85.00	2.23
10945	LA-Upland	11.75	85.01	2.23
10946	LA-Upland	13.62	85.01	2.23
10947	LA-Upland	15.13	85.01	2.23
10948	LA-Upland	15.71	85.02	2.23
10949	LA-Upland	15.00	85.02	2.23
10950	LA-Upland	13.94	85.03	2.23
10951	LA-Upland	11.61	85.03	2.23
10952	LA-Upland	8.72	85.03	2.23
10953	LA-Upland	5.80	85.03	2.23
10954	LA-Upland	4.57	85.03	2.23
10955	LA-Upland	3.90	85.03	2.23
10956	LA-Upland	4.09	85.04	2.23
10957	LA-Upland	4.53	85.04	2.23
10958	LA-Upland	5.45	85.04	2.23
10959	LA-Upland	8.10	85.04	2.23
10960	LA-Upland	10.94	85.04	2.23
10961	LA-Upland	13.34	85.05	2.23
10962	LA-Upland	15.60	85.05	0.92
10963	LA-Upland	16.83	85.06	0.92
10964	LA-Upland	16.32	85.06	0.92
10965	LA-Upland	15.99	85.07	0.92
10966	LA-Upland	17.04	85.07	0.92
10967	LA-Upland	19.22	85.08	0.92
10968	LA-Upland	21.36	85.08	0.92
10969	LA-Upland	21.76	85.09	0.92
10970	LA-Upland	21.20	85.09	0.92
10971	LA-Upland	20.01	85.10	0.92
10972	LA-Upland	19.53	85.10	0.92
10973	LA-Upland	19.11	85.11	0.92
10974	LA-Upland	18.84	85.11	0.92
10975	LA-Upland	18.62	85.12	0.92
10976	LA-Upland	19.48	85.12	0.92
10977	LA-Upland	21.38	85.13	0.92
10978	LA-Upland	22.75	85.14	0.92
10979	LA-Upland	22.61	85.14	0.92
10980	LA-Upland	21.32	85.15	0.92
10981	LA-Upland	17.85	85.15	-0.21
10982	LA-Upland	13.39	85.16	-0.21
10983	LA-Upland	10.18	85.16	-0.21
10984	LA-Upland	9.63	85.16	-0.21
10985	LA-Upland	12.07	85.17	-0.21
10986	LA-Upland	14.72	85.17	-0.21
10987	LA-Upland	17.47	85.18	-0.21
10988	LA-Upland	20.05	85.18	-0.21
10989	LA-Upland	22.65	85.19	-0.21
10990	LA-Upland	25.51	85.19	-0.21
10991	LA-Upland	27.88	85.20	-0.21
10992	LA-Upland	28.99	85.21	-0.21
10993	LA-Upland	28.35	85.22	-0.21
10994	LA-Upland	27.33	85.22	-0.21
10995	LA-Upland	26.40	85.23	-0.21
10996	LA-Upland	25.76	85.24	-0.21
10997	LA-Upland	25.31	85.25	-0.21
10998	LA-Upland	23.16	85.25	-0.23

time (s)	route	speed (mph)	distance (mi)	grade (%)
11077	LA-Upland	55.49	86.14	2.02
11078	LA-Upland	55.79	86.15	-3.03
11079	LA-Upland	56.09	86.17	-3.03
11080	LA-Upland	56.45	86.18	-3.03
11081	LA-Upland	57.18	86.20	-3.03
11082	LA-Upland	57.55	86.21	-3.03
11083	LA-Upland	57.86	86.23	-3.03
11084	LA-Upland	58.44	86.25	-3.03
11085	LA-Upland	58.52	86.26	-3.93
11086	LA-Upland	58.75	86.28	-3.93
11087	LA-Upland	59.02	86.29	-3.93
11088	LA-Upland	59.36	86.31	-3.93
11089	LA-Upland	60.19	86.33	-3.93
11090	LA-Upland	61.18	86.34	-3.93
11091	LA-Upland	62.30	86.36	-3.37
11092	LA-Upland	62.71	86.38	-3.37
11093	LA-Upland	62.88	86.40	-3.37
11094	LA-Upland	62.70	86.41	-3.37
11095	LA-Upland	62.60	86.43	-3.37
11096	LA-Upland	62.95	86.45	-3.37
11097	LA-Upland	62.91	86.46	-5.18
11098	LA-Upland	62.48	86.48	-5.18
11099	LA-Upland	62.29	86.50	-5.18
11100	LA-Upland	62.21	86.52	-5.18
11101	LA-Upland	62.04	86.53	-5.18
11102	LA-Upland	61.83	86.55	-2.61
11103	LA-Upland	62.25	86.57	-2.61
11104	LA-Upland	62.61	86.58	-2.61
11105	LA-Upland	62.03	86.60	-2.61
11106	LA-Upland	60.48	86.62	-2.61
11107	LA-Upland	59.73	86.63	-2.61
11108	LA-Upland	58.95	86.65	1.63
11109	LA-Upland	57.35	86.67	1.63
11110	LA-Upland	55.74	86.68	1.63
11111	LA-Upland	52.35	86.70	1.63
11112	LA-Upland	47.37	86.71	1.63
11113	LA-Upland	42.20	86.72	1.63
11114	LA-Upland	37.01	86.73	1.63
11115	LA-Upland	32.21	86.74	1.63
11116	LA-Upland	28.78	86.75	1.63
11117	LA-Upland	26.83	86.76	1.54
11118	LA-Upland	25.31	86.76	1.54
11119	LA-Upland	25.02	86.77	1.54
11120	LA-Upland	25.97	86.78	1.54
11121	LA-Upland	27.70	86.78	1.54
11122	LA-Upland	29.44	86.79	1.54
11123	LA-Upland	30.67	86.80	1.54
11124	LA-Upland	30.54	86.81	1.54
11125	LA-Upland	30.35	86.82	1.54
11126	LA-Upland	31.50	86.83	1.54
11127	LA-Upland	32.71	86.83	1.54
11128	LA-Upland	33.52	86.84	1.54
11129	LA-Upland	34.14	86.85	2.01
11130	LA-Upland	33.63	86.86	2.01
11131	LA-Upland	33.96	86.87	2.01
11132	LA-Upland	33.60	86.88	2.01
11133	LA-Upland	33.22	86.89	2.01
11134	LA-Upland	33.70	86.90	2.01
11135	LA-Upland	34.73	86.91	2.01
11136	LA-Upland	36.24	86.92	2.01
11137	LA-Upland	37.92	86.93	2.01
11138	LA-Upland	39.88	86.94	2.01
11139	LA-Upland	42.09	86.95	0.62
11140	LA-Upland	44.13	86.96	0.62
11141	LA-Upland	45.83	86.98	0.62
11142	LA-Upland	46.90	86.99	0.62
11143	LA-Upland	46.94	87.00	0.62
11144	LA-Upland	46.80	87.00	0.62
11145	LA-Upland	46.79	87.03	0.62
11146	LA-Upland	47.40	87.04	0.62
11147	LA-Upland	48.17	87.05	-0.60
11148	LA-Upland	48.53	87.07	-0.60
11149	LA-Upland	49.86	87.08	-0.60
11150	LA-Upland	51.03	87.10	-0.60
11151	LA-Upland	52.13	87.11	-0.60
11152	LA-Upland	53.30	87.12	-0.60
11153	LA-Upland	54.49	87.14	-0.60
11154	LA-Upland	55.24	87.15	-1.26

time (s)	route	speed (mph)	distance (mi)	grade (%)
10999	LA-Upland	20.01	85.26	-0.23
11000	LA-Upland	18.51	85.26	-0.23
11001	LA-Upland	18.96	85.27	-0.23
11002	LA-Upland	20.51	85.27	-0.23
11003	LA-Upland	21.52	85.28	-0.23
11004	LA-Upland	22.63	85.29	-0.23
11005	LA-Upland	23.78	85.29	-0.23
11006	LA-Upland	24.81	85.30	-0.23
11007	LA-Upland	26.42	85.31	-0.23
11008	LA-Upland	29.37	85.31	-0.23
11009	LA-Upland	31.55	85.32	-0.23
11010	LA-Upland	32.88	85.33	-0.23
11011	LA-Upland	34.80	85.34	-0.23
11012	LA-Upland	36.99	85.35	0.93
11013	LA-Upland	37.44	85.36	0.93
11014	LA-Upland	36.99	85.37	0.93
11015	LA-Upland	37.91	85.38	0.93
11016	LA-Upland	38.37	85.39	0.93
11017	LA-Upland	38.02	85.40	0.93
11018	LA-Upland	38.25	85.41	0.93
11019	LA-Upland	38.06	85.43	0.93
11020	LA-Upland	38.72	85.44	0.93
11021	LA-Upland	39.56	85.45	0.93
11022	LA-Upland	40.50	85.46	1.11
11023	LA-Upland	41.13	85.47	1.11
11024	LA-Upland	41.48	85.48	1.11
11025	LA-Upland	40.78	85.49	1.11
11026	LA-Upland	39.95	85.50	1.11
11027	LA-Upland	39.08	85.51	1.11
11028	LA-Upland	38.35	85.52	1.11
11029	LA-Upland	37.48	85.53	1.11
11030	LA-Upland	36.64	85.54	1.11
11031	LA-Upland	36.68	85.55	-1.15
11032	LA-Upland	37.46	85.56	-1.15
11033	LA-Upland	38.18	85.58	-1.15
11034	LA-Upland	38.77	85.59	-1.15
11035	LA-Upland	39.44	85.60	-1.15
11036	LA-Upland	40.22	85.61	-1.15
11037	LA-Upland	41.41	85.62	-1.15
11038	LA-Upland	42.66	85.63	-1.15
11039	LA-Upland	43.80	85.64	-1.15
11040	LA-Upland	44.63	85.66	3.46
11041	LA-Upland	44.55	85.67	3.46
11042	LA-Upland	43.80	85.68	3.46
11043	LA-Upland	43.07	85.69	3.46
11044	LA-Upland	42.64	85.70	3.46
11045	LA-Upland	42.37	85.71	3.46
11046	LA-Upland	41.82	85.73	3.46
11047	LA-Upland	42.03	85.74	3.46
11048	LA-Upland	42.01	85.75	3.46
11049	LA-Upland	41.22	85.76	1.44
11050	LA-Upland	41.02	85.77	1.44
11051	LA-Upland	41.45	85.78	1.44
11052	LA-Upland	42.10	85.80	1.44
11053	LA-Upland	42.62	85.81	1.44
11054	LA-Upland	44.07	85.82	1.44
11055	LA-Upland	45.03	85.83	1.44
11056	LA-Upland	45.48	85.84	1.44
11057	LA-Upland	46.18	85.86	0.63
11058	LA-Upland	46.50	85.87	0.63
11059	LA-Upland	46.75	85.88	0.63
11060	LA-Upland	47.25	85.90	0.63
11061	LA-Upland	47.52	85.91	0.63
11062	LA-Upland	47.96	85.92	0.63
11063	LA-Upland	48.31	85.93	0.63
11064	LA-Upland	48.54	85.95	0.63
11065	LA-Upland	48.60	85.96	0.97
11066	LA-Upland	48.71	85.97	0.97
11067	LA-Upland	48.		

time (s)	route	speed (mph)	distance (mi)	grade (%)
11233	LA-Upland	65.33	88.47	1.88
11234	LA-Upland	65.22	88.48	1.88
11235	LA-Upland	65.18	88.50	1.88
11236	LA-Upland	64.71	88.52	1.88
11237	LA-Upland	63.78	88.54	1.88
11238	LA-Upland	63.42	88.55	1.44
11239	LA-Upland	63.98	88.57	1.44
11240	LA-Upland	64.60	88.59	1.44
11241	LA-Upland	65.52	88.61	1.44
11242	LA-Upland	66.44	88.63	1.44
11243	LA-Upland	67.05	88.64	1.44
11244	LA-Upland	67.71	88.66	0.54
11245	LA-Upland	68.23	88.68	0.54
11246	LA-Upland	68.37	88.70	0.54
11247	LA-Upland	67.92	88.72	0.54
11248	LA-Upland	67.46	88.74	0.54
11249	LA-Upland	67.11	88.76	-0.67
11250	LA-Upland	66.44	88.77	-0.67
11251	LA-Upland	65.18	88.79	-0.67
11252	LA-Upland	64.26	88.81	-0.67
11253	LA-Upland	64.63	88.83	-0.67
11254	LA-Upland	65.37	88.85	-0.67
11255	LA-Upland	65.95	88.86	0.77
11256	LA-Upland	66.82	88.88	0.77
11257	LA-Upland	67.62	88.90	0.77
11258	LA-Upland	68.22	88.92	0.77
11259	LA-Upland	68.52	88.94	0.77
11260	LA-Upland	68.71	88.96	0.79
11261	LA-Upland	68.94	88.98	1.79
11262	LA-Upland	69.17	88.99	1.79
11263	LA-Upland	69.60	89.01	1.79
11264	LA-Upland	69.74	89.03	1.79
11265	LA-Upland	70.05	89.05	1.17
11266	LA-Upland	70.58	89.07	1.17
11267	LA-Upland	71.20	89.09	1.17
11268	LA-Upland	71.82	89.11	1.17
11269	LA-Upland	72.47	89.13	1.17
11270	LA-Upland	72.95	89.15	1.05
11271	LA-Upland	73.32	89.17	1.05
11272	LA-Upland	73.55	89.19	1.05
11273	LA-Upland	73.81	89.21	1.05
11274	LA-Upland	73.87	89.23	1.05
11275	LA-Upland	74.03	89.25	0.91
11276	LA-Upland	74.04	89.27	0.91
11277	LA-Upland	73.12	89.29	0.91
11278	LA-Upland	71.72	89.31	0.91
11279	LA-Upland	70.55	89.33	0.91
11280	LA-Upland	69.36	89.35	0.07
11281	LA-Upland	67.95	89.37	1.07
11282	LA-Upland	66.02	89.39	1.07
11283	LA-Upland	64.59	89.41	1.07
11284	LA-Upland	63.54	89.42	1.07
11285	LA-Upland	63.64	89.44	1.07
11286	LA-Upland	64.10	89.46	1.81
11287	LA-Upland	64.72	89.48	1.81
11288	LA-Upland	65.49	89.49	1.81
11289	LA-Upland	66.24	89.51	1.81
11290	LA-Upland	67.09	89.53	1.81
11291	LA-Upland	67.46	89.55	1.81
11292	LA-Upland	66.74	89.57	1.53
11293	LA-Upland	65.39	89.59	1.53
11294	LA-Upland	64.95	89.60	1.53
11295	LA-Upland	65.14	89.62	1.53
11296	LA-Upland	65.65	89.64	1.53
11297	LA-Upland	66.65	89.66	1.56
11298	LA-Upland	66.49	89.68	2.16
11299	LA-Upland	67.00	89.69	2.16
11300	LA-Upland	67.23	89.71	2.16
11301	LA-Upland	67.59	89.73	2.16
11302	LA-Upland	67.23	89.75	2.16
11303	LA-Upland	67.28	89.77	2.09
11304	LA-Upland	67.60	89.79	2.09
11305	LA-Upland	68.01	89.81	2.09
11306	LA-Upland	68.44	89.82	2.09
11307	LA-Upland	68.82	89.84	0.89
11308	LA-Upland	69.00	89.86	1.24
11309	LA-Upland	69.31	89.88	1.24
11310	LA-Upland	69.70	89.90	1.24

time (s)	route	speed (mph)	distance (mi)	grade (%)
11389	LA-Upland	56.60	91.41	1.58
11390	LA-Upland	56.73	91.43	1.58
11391	LA-Upland	57.36	91.44	1.58
11392	LA-Upland	58.00	91.46	3.44
11393	LA-Upland	58.35	91.47	3.44
11394	LA-Upland	58.58	91.49	3.44
11395	LA-Upland	58.57	91.51	3.44
11396	LA-Upland	58.55	91.52	3.44
11397	LA-Upland	58.73	91.54	3.44
11398	LA-Upland	58.95	91.55	1.89
11399	LA-Upland	59.49	91.57	1.89
11400	LA-Upland	60.05	91.59	1.89
11401	LA-Upland	61.00	91.60	1.89
11402	LA-Upland	61.70	91.62	1.89
11403	LA-Upland	62.17	91.64	1.89
11404	LA-Upland	62.45	91.66	1.60
11405	LA-Upland	62.75	91.67	1.60
11406	LA-Upland	62.98	91.69	1.60
11407	LA-Upland	63.05	91.71	1.60
11408	LA-Upland	63.50	91.72	1.60
11409	LA-Upland	64.01	91.74	1.60
11410	LA-Upland	64.74	91.76	1.46
11411	LA-Upland	65.39	91.78	1.46
11412	LA-Upland	65.83	91.80	1.46
11413	LA-Upland	66.57	91.81	1.46
11414	LA-Upland	66.89	91.83	1.46
11415	LA-Upland	66.97	91.85	1.35
11416	LA-Upland	67.09	91.87	1.35
11417	LA-Upland	67.03	91.89	1.35
11418	LA-Upland	67.31	91.91	1.35
11419	LA-Upland	67.56	91.93	1.35
11420	LA-Upland	67.63	91.94	1.35
11421	LA-Upland	67.75	91.96	0.83
11422	LA-Upland	68.07	91.98	0.83
11423	LA-Upland	68.63	92.00	0.83
11424	LA-Upland	69.19	92.02	0.83
11425	LA-Upland	69.57	92.04	0.83
11426	LA-Upland	69.91	92.06	4.10
11427	LA-Upland	70.14	92.08	4.10
11428	LA-Upland	70.39	92.10	4.10
11429	LA-Upland	70.56	92.12	4.10
11430	LA-Upland	70.71	92.13	4.10
11431	LA-Upland	70.92	92.15	1.35
11432	LA-Upland	71.20	92.17	1.35
11433	LA-Upland	71.31	92.19	1.35
11434	LA-Upland	71.17	92.21	1.35
11435	LA-Upland	70.98	92.23	1.35
11436	LA-Upland	71.15	92.25	0.23
11437	LA-Upland	71.38	92.27	0.23
11438	LA-Upland	71.64	92.29	0.23
11439	LA-Upland	71.96	92.31	-0.23
11440	LA-Upland	72.24	92.33	0.23
11441	LA-Upland	72.40	92.35	0.26
11442	LA-Upland	72.67	92.37	0.26
11443	LA-Upland	72.98	92.39	0.26
11444	LA-Upland	73.37	92.41	0.26
11445	LA-Upland	73.67	92.43	0.26
11446	LA-Upland	73.72	92.45	0.37
11447	LA-Upland	73.58	92.47	0.37
11448	LA-Upland	73.57	92.49	0.37
11449	LA-Upland	73.62	92.51	0.37
11450	LA-Upland	73.91	92.53	0.37
11451	LA-Upland	74.14	92.55	-0.54
11452	LA-Upland	74.33	92.57	-0.54
11453	LA-Upland	74.74	92.59	-0.54
11454	LA-Upland	74.98	92.61	-0.54
11455	LA-Upland	74.78	92.64	-0.54
11456	LA-Upland	73.96	92.66	-0.47
11457	LA-Upland	73.01	92.68	-0.47
11458	LA-Upland	72.29	92.70	-0.47
11459	LA-Upland	72.45	92.72	-0.47
11460	LA-Upland	71.98	92.74	-0.47
11461	LA-Upland	71.45	92.75	-0.52
11462	LA-Upland	71.26	92.77	-0.52
11463	LA-Upland	71.30	92.79	-0.52
11464	LA-Upland	70.80	92.81	-0.52
11465	LA-Upland	70.38	92.83	-0.52
11466	LA-Upland	69.61	92.85	-0.38

time (s)	route	speed (mph)	distance (mi)	grade (%)
11311	LA-Upland	70.27	89.92	1.24
11312	LA-Upland	70.98	89.94	1.24
11313	LA-Upland	71.54	89.96	-0.56
11314	LA-Upland	71.04	89.98	-0.56
11315	LA-Upland	69.88	90.00	-0.56
11316	LA-Upland	68.85	90.02	-0.56
11317	LA-Upland	67.94	90.04	-0.56
11318	LA-Upland	68.06	90.05	-0.45
11319	LA-Upland	68.42	90.07	-0.45
11320	LA-Upland	68.95	90.09	-0.45
11321	LA-Upland	69.27	90.11	-0.45
11322	LA-Upland	69.64	90.13	-0.45
11323	LA-Upland	70.11	90.15	-0.45
11324	LA-Upland	70.36	90.17	-0.89
11325	LA-Upland	70.62	90.19	0.89
11326	LA-Upland	70.88	90.21	0.89
11327	LA-Upland	70.82	90.23	0.89
11328	LA-Upland	70.53	90.25	0.89
11329	LA-Upland	70.28	90.27	1.07
11330	LA-Upland	70.07	90.28	1.07
11331	LA-Upland	68.59	90.30	-0.07
11332	LA-Upland	68.00	90.32	1.07
11333	LA-Upland	67.01	90.34	1.07
11334	LA-Upland	66.53	90.36	1.00
11335	LA-Upland	67.29	90.38	1.00
11336	LA-Upland	67.97	90.40	1.00
11337	LA-Upland	68.78	90.42	1.00
11338	LA-Upland	69.60	90.43	0.00
11339	LA-Upland	70.43	90.45	0.86
11340	LA-Upland	71.08	90.47	0.86
11341	LA-Upland	71.46	90.49	0.86
11342	LA-Upland	71.54	90.51	0.86
11343	LA-Upland	71.28	90.53	0.86
11344	LA-Upland	71.35	90.55	-0.56
11345	LA-Upland	71.85	90.57	-0.56
11346	LA-Upland	72.34	90.59	-0.56
11347	LA-Upland	72.96	90.61	-0.56
11348	LA-Upland	73.51	90.63	-0.56
11349	LA-Upland	73.73	90.65	-2.44
11350	LA-Upland	74.21	90.67	-2.44
11351	LA-Upland	74.66	90.69	-2.44
11352	LA-Upland	75.12	90.71	-2.44
11353	LA-Upland	75.36	90.73	-2.44
11354	LA-Upland	75.47	90.76	-2.89
11355	LA-Upland	75.28	90.78	-2.89
11356	LA-Upland	74.77	90.80	-2.89
11357	LA-Upland	74.59	90.82	-2.89
11358	LA-Upland	75.12	90.84	-2.89
11359	LA-Upland	75.16	90.86	-2.85
11360	LA-Upland	74.64	90.88	-2.85
11361	LA-Upland	74.36	90.90	-2.85
11362	LA-Upland	74.65	90.92	-2.85
11363	LA-Upland	74.68	90.94	-2.85
11364	LA-Upland	74.13	90.96	-2.95
11365	LA-Upland	73.60	90.98	-2.95
11366	LA-Upland	73.25	91.00	-2.95
11367	LA-Upland	72.75	91.02	-2.95
11368	LA-Upland	72.86	91.04	-2.95
11369	LA-Upland	71.32	91.06	-2.33
11370	LA-Upland	70.07	91.08	-2.33
11371	LA-Upland	69.13	91.10	-2.33
11372	LA-Upland	67.92	91.12	-2.33
11373	LA-Upland	66.87	91.14	-2.33
11374	LA-Upland	65.75	91.15	0.56
11375	LA-Upland	64.65	91.17	0.56
11376	LA-Upland	63.44	91.19	0.56
11377	LA-Upland	62.74	91.21	0.56
11378	LA-Upland	62.61	91.22	0.56
11379	LA-Upland	62.71	91.2	

time (s)	route	speed (mph)	distance (mi)	grade (%)
11545	LA-Upland	66.44	94.32	-1.47
11546	LA-Upland	66.08	94.34	-1.47
11547	LA-Upland	65.68	94.36	-1.87
11548	LA-Upland	65.33	94.37	-1.87
11549	LA-Upland	64.93	94.39	-1.87
11550	LA-Upland	64.53	94.41	-1.87
11551	LA-Upland	64.13	94.43	-1.87
11552	LA-Upland	63.70	94.44	-1.87
11553	LA-Upland	63.62	94.46	-1.78
11554	LA-Upland	63.77	94.48	-1.78
11555	LA-Upland	63.98	94.50	-1.78
11556	LA-Upland	64.44	94.51	-1.78
11557	LA-Upland	65.04	94.53	-1.78
11558	LA-Upland	65.65	94.55	-1.34
11559	LA-Upland	65.93	94.57	-1.34
11560	LA-Upland	66.01	94.59	-1.34
11561	LA-Upland	66.44	94.60	-1.34
11562	LA-Upland	66.69	94.62	-1.34
11563	LA-Upland	67.17	94.64	-1.34
11564	LA-Upland	67.49	94.66	-1.55
11565	LA-Upland	67.89	94.68	-1.55
11566	LA-Upland	67.84	94.70	-1.55
11567	LA-Upland	68.01	94.72	-1.55
11568	LA-Upland	68.07	94.73	-1.55
11569	LA-Upland	68.18	94.75	-1.56
11570	LA-Upland	68.23	94.77	-1.56
11571	LA-Upland	68.43	94.79	-1.56
11572	LA-Upland	68.73	94.81	-1.56
11573	LA-Upland	68.89	94.83	-1.56
11574	LA-Upland	68.91	94.85	-1.56
11575	LA-Upland	68.84	94.87	-1.60
11576	LA-Upland	68.21	94.89	-1.60
11577	LA-Upland	67.66	94.90	-1.60
11578	LA-Upland	67.06	94.92	-1.60
11579	LA-Upland	66.59	94.94	-1.60
11580	LA-Upland	66.06	94.96	-1.61
11581	LA-Upland	65.50	94.98	-1.61
11582	LA-Upland	64.94	94.99	-1.61
11583	LA-Upland	64.81	95.01	-1.61
11584	LA-Upland	64.88	95.03	-1.61
11585	LA-Upland	64.89	95.05	-1.61
11586	LA-Upland	64.69	95.07	-2.34
11587	LA-Upland	64.54	95.08	-2.34
11588	LA-Upland	64.59	95.10	-2.34
11589	LA-Upland	65.10	95.12	-2.34
11590	LA-Upland	65.72	95.14	-2.34
11591	LA-Upland	66.37	95.16	-0.76
11592	LA-Upland	67.01	95.17	-0.76
11593	LA-Upland	67.37	95.19	-0.76
11594	LA-Upland	66.40	95.21	-0.76
11595	LA-Upland	65.73	95.23	-0.76
11596	LA-Upland	65.02	95.25	-0.76
11597	LA-Upland	64.22	95.26	0.91
11598	LA-Upland	63.46	95.28	0.91
11599	LA-Upland	62.83	95.30	0.91
11600	LA-Upland	61.43	95.32	0.91
11601	LA-Upland	59.31	95.33	0.91
11602	LA-Upland	56.77	95.35	-0.91
11603	LA-Upland	54.44	95.36	-0.34
11604	LA-Upland	52.83	95.38	-0.34
11605	LA-Upland	52.48	95.39	-0.34
11606	LA-Upland	53.09	95.41	-0.34
11607	LA-Upland	53.85	95.42	-0.34
11608	LA-Upland	53.77	95.44	-0.34
11609	LA-Upland	52.97	95.45	-0.43
11610	LA-Upland	49.48	95.46	-0.43
11611	LA-Upland	41.47	95.48	-0.43
11612	LA-Upland	32.53	95.48	-0.43
11613	LA-Upland	23.14	95.49	-0.43
11614	LA-Upland	14.87	95.50	-0.43
11615	LA-Upland	9.28	95.50	-0.43
11616	LA-Upland	5.65	95.50	-0.43
11617	LA-Upland	4.02	95.50	-0.43
11618	LA-Upland	2.67	95.50	-0.43
11619	LA-Upland	1.39	95.50	-0.43
11620	LA-Upland	0.00	95.50	-0.43
11621	LA-Upland	0.00	95.50	-0.43
11622	LA-Upland	0.00	95.50	-0.43

time (s)	route	speed (mph)	distance (mi)	grade (%)
11701	LA-Upland	69.76	96.50	-0.15
11702	LA-Upland	69.26	96.52	-0.15
11703	LA-Upland	68.83	96.54	-0.15
11704	LA-Upland	69.41	96.55	0.96
11705	LA-Upland	69.89	96.57	1.96
11706	LA-Upland	70.17	96.59	1.96
11707	LA-Upland	70.11	96.61	1.96
11708	LA-Upland	70.78	96.63	1.96
11709	LA-Upland	70.91	96.65	0.59
11710	LA-Upland	70.83	96.67	0.59
11711	LA-Upland	70.90	96.69	0.59
11712	LA-Upland	70.36	96.71	0.59
11713	LA-Upland	69.68	96.73	0.59
11714	LA-Upland	69.89	96.75	0.59
11715	LA-Upland	70.22	96.77	-0.94
11716	LA-Upland	70.54	96.79	-0.94
11717	LA-Upland	70.89	96.81	-0.94
11718	LA-Upland	70.97	96.83	-0.94
11719	LA-Upland	70.57	96.85	-0.94
11720	LA-Upland	69.65	96.86	-0.66
11721	LA-Upland	69.14	96.88	-0.66
11722	LA-Upland	69.32	96.90	-0.66
11723	LA-Upland	69.43	96.92	-0.66
11724	LA-Upland	69.60	96.94	-0.66
11725	LA-Upland	69.71	96.96	-0.67
11726	LA-Upland	69.93	96.98	-0.67
11727	LA-Upland	69.87	97.00	-0.67
11728	LA-Upland	69.64	97.02	-0.67
11729	LA-Upland	69.30	97.04	-0.67
11730	LA-Upland	68.69	97.06	-0.38
11731	LA-Upland	67.80	97.07	-0.38
11732	LA-Upland	66.93	97.09	-0.38
11733	LA-Upland	66.06	97.11	-0.38
11734	LA-Upland	65.24	97.13	-0.38
11735	LA-Upland	64.86	97.15	-0.38
11736	LA-Upland	64.84	97.16	-0.05
11737	LA-Upland	64.87	97.18	-0.05
11738	LA-Upland	64.94	97.20	-0.05
11739	LA-Upland	64.96	97.22	-0.05
11740	LA-Upland	65.02	97.24	-0.05
11741	LA-Upland	65.22	97.25	0.07
11742	LA-Upland	65.66	97.27	0.07
11743	LA-Upland	66.08	97.29	0.07
11744	LA-Upland	66.56	97.31	0.07
11745	LA-Upland	66.89	97.33	0.07
11746	LA-Upland	66.95	97.34	0.07
11747	LA-Upland	66.35	97.36	0.35
11748	LA-Upland	65.83	97.38	0.35
11749	LA-Upland	64.54	97.40	0.35
11750	LA-Upland	64.46	97.42	0.35
11751	LA-Upland	64.54	97.43	0.35
11752	LA-Upland	64.79	97.45	0.37
11753	LA-Upland	65.34	97.47	0.37
11754	LA-Upland	65.97	97.49	0.37
11755	LA-Upland	66.61	97.51	0.37
11756	LA-Upland	66.90	97.53	0.37
11757	LA-Upland	67.22	97.54	0.37
11758	LA-Upland	66.73	97.56	0.24
11759	LA-Upland	65.71	97.58	0.24
11760	LA-Upland	64.57	97.60	0.24
11761	LA-Upland	63.54	97.62	0.24
11762	LA-Upland	62.59	97.63	0.24
11763	LA-Upland	62.57	97.65	0.24
11764	LA-Upland	63.31	97.67	1.28
11765	LA-Upland	64.13	97.68	1.28
11766	LA-Upland	64.95	97.70	1.28
11767	LA-Upland	65.57	97.72	1.28
11768	LA-Upland	65.06	97.74	1.28
11769	LA-Upland	64.81	97.76	-3.86
11770	LA-Upland	65.18	97.77	-3.86
11771	LA-Upland	65.44	97.79	-3.86
11772	LA-Upland	65.58	97.81	-3.86
11773	LA-Upland	65.49	97.83	-3.86
11774	LA-Upland	65.25	97.85	-3.86
11775	LA-Upland	64.17	97.86	-1.67
11776	LA-Upland	64.29	97.88	-1.67
11777	LA-Upland	64.69	97.90	-1.67
11778	LA-Upland	65.07	97.92	-1.67

time (s)	route	speed (mph)	distance (mi)	grade (%)
11623	LA-Upland	0.56	95.50	-0.43
11624	LA-Upland	3.35	95.50	-0.43
11625	LA-Upland	7.94	95.50	-0.43
11626	LA-Upland	9.57	95.51	-0.43
11627	LA-Upland	10.53	95.51	-0.43
11628	LA-Upland	13.51	95.51	-0.43
11629	LA-Upland	16.78	95.52	-0.43
11630	LA-Upland	20.09	95.52	-0.43
11631	LA-Upland	23.11	95.53	-0.43
11632	LA-Upland	24.88	95.54	-0.43
11633	LA-Upland	24.66	95.54	-0.43
11634	LA-Upland	24.09	95.55	-1.81
11635	LA-Upland	23.54	95.56	-1.81
11636	LA-Upland	24.52	95.56	-1.81
11637	LA-Upland	26.06	95.57	-1.81
11638	LA-Upland	27.37	95.58	-1.81
11639	LA-Upland	28.65	95.59	-1.81
11640	LA-Upland	30.34	95.59	-1.81
11641	LA-Upland	31.60	95.60	-1.81
11642	LA-Upland	33.31	95.61	-1.81
11643	LA-Upland	24.88	95.62	-1.81
11644	LA-Upland	36.07	95.63	-1.81
11645	LA-Upland	36.92	95.64	-1.81
11646	LA-Upland	37.29	95.65	1.02
11647	LA-Upland	38.21	95.66	1.02
11648	LA-Upland	39.20	95.67	1.02
11649	LA-Upland	40.34	95.69	1.02
11650	LA-Upland	42.12	95.70	1.02
11651	LA-Upland	43.96	95.71	1.02
11652	LA-Upland	46.02	95.72	1.02
11653	LA-Upland	48.56	95.73	1.02
11654	LA-Upland	49.96	95.75	1.02
11655	LA-Upland	51.47	95.76	-0.41
11656	LA-Upland	52.73	95.78	-0.41
11657	LA-Upland	53.78	95.79	-0.41
11658	LA-Upland	54.78	95.81	-0.41
11659	LA-Upland	55.70	95.82	-0.41
11660	LA-Upland	56.70	95.84	-0.41
11661	LA-Upland	57.49	95.85	-0.46
11662	LA-Upland	58.01	95.87	-0.46
11663	LA-Upland	57.67	95.89	-0.46
11664	LA-Upland	57.30	95.90	-0.46
11665	LA-Upland	56.46	95.92	-0.46
11666	LA-Upland	55.27	95.93	-0.46
11667	LA-Upland	53.17	95.95	-0.46
11668	LA-Upland	50.96	95.96	-0.51
11669	LA-Upland	49.13	95.97	-0.51
11670	LA-Upland	48.36	95.99	-0.51
11671	LA-Upland	48.28	96.00	-0.51
11672	LA-Upland	49.14	96.01	-0.51
11673	LA-Upland	50.20	96.03	-0.51
11674	LA-Upland	51.37	96.04	-0.51
11675	LA-Upland	52.44	96.06	-0.58
11676	LA-Upland	53.59	96.07	-0.58
11677	LA-Upland	54.49	96.09	-0.58
11678	LA-Upland	54.92	96.10	-0.58
11679	LA-Upland	55.21	96.12	-0.58
11680	LA-Upland	55.81	96.13	-0.58
11681	LA-Upland	56.42	96.15	-0.58
11682	LA-Upland	57.23	96.16	-0.47
11683	LA-Upland	57.94	96.18	-0.47
11684	LA-Upland	58.74	96.19	-0.47
11685	LA-Upland	59.72	96.21	-0.47
11686	LA-Upland	60.66	96.23	-0.47
11687	LA-Upland	61.36	96.24	-0.47
11688	LA-Upland	61.98	96.26	-0.87
11689	LA-Upland	62.75	96.28	-0.87
11690	LA-Upland	63.64	96.30	-0.87

time (s)	route	speed (mph)	distance (mi)	grade (%)
11857	LA-Upland	68.63	99.30	-1.58
11858	LA-Upland	68.42	99.32	-1.58
11859	LA-Upland	68.00	99.34	-1.58
11860	LA-Upland	67.59	99.36	-1.52
11861	LA-Upland	66.82	99.38	-2.32
11862	LA-Upland	66.98	99.40	-2.32
11863	LA-Upland	66.11	99.41	-2.32
11864	LA-Upland	65.24	99.43	-2.32
11865	LA-Upland	64.32	99.45	-2.32
11866	LA-Upland	63.66	99.47	-0.85
11867	LA-Upland	62.87	99.48	-0.85
11868	LA-Upland	62.35	99.50	-0.85
11869	LA-Upland	61.92	99.52	-0.85
11870	LA-Upland	61.56	99.54	-0.85
11871	LA-Upland	60.97	99.55	-1.21
11872	LA-Upland	60.84	99.57	-1.21
11873	LA-Upland	61.15	99.59	-1.21
11874	LA-Upland	61.60	99.60	-1.21
11875	LA-Upland	62.30	99.62	-1.21
11876	LA-Upland	63.07	99.64	-1.21
11877	LA-Upland	62.74	99.65	-1.13
11878	LA-Upland	64.20	99.67	-1.13
11879	LA-Upland	64.24	99.69	-1.13
11880	LA-Upland	63.50	99.71	-1.13
11881	LA-Upland	63.01	99.72	-1.13
11882	LA-Upland	63.57	99.74	-1.13
11883	LA-Upland	64.30	99.76	-0.24
11884	LA-Upland	65.04	99.78	-0.24
11885	LA-Upland	65.49	99.80	-0.24
11886	LA-Upland	65.87	99.81	-0.24
11887	LA-Upland	65.60	99.83	-0.24
11888	LA-Upland	65.44	99.85	-0.24
11889	LA-Upland	64.87	99.87	-1.83
11890	LA-Upland	64.22	99.89	-1.83
11891	LA-Upland	63.63	99.90	-1.83
11892	LA-Upland	64.01	99.92	-1.83
11893	LA-Upland	64.58	99.94	-1.83
11894	LA-Upland	65.98	99.96	-1.42
11895	LA-Upland	66.98	99.97	-1.42
11896	LA-Upland	67.87	99.99	-1.42
11897	LA-Upland	68.43	100.01	-1.42
11898	LA-Upland	68.69	100.03	-1.42
11899	LA-Upland	68.96	100.05	-1.42
11900	LA-Upland	69.31	100.07	-0.26
11901	LA-Upland	68.66	100.09	-0.26
11902	LA-Upland	67.26	100.11	-0.26
11903	LA-Upland	66.57	100.12	-0.26
11904	LA-Upland	66.00	100.14	-0.26
11905	LA-Upland	66.49	100.16	-0.72
11906	LA-Upland	65.54	100.18	-0.72
11907	LA-Upland	65.13	100.20	-0.72
11908	LA-Upland	64.61	100.21	-0.72
11909	LA-Upland	64.64	100.23	-0.72
11910	LA-Upland	64.94	100.25	-2.94
11911	LA-Upland	65.52	100.27	-2.94
11912	LA-Upland	66.33	100.29	-2.94
11913	LA-Upland	67.27	100.31	-2.94
11914	LA-Upland	68.00	100.32	-2.94
11915	LA-Upland	68.76	100.34	-2.94
11916	LA-Upland	69.16	100.36	-0.31
11917	LA-Upland	69.28	100.38	-0.31
11918	LA-Upland	69.14	100.40	-0.31
11919	LA-Upland	68.81	100.42	-0.31
11920	LA-Upland	67.92	100.44	-0.31
11921	LA-Upland	67.58	100.46	-0.98
11922	LA-Upland	67.95	100.47	-1.98
11923	LA-Upland	68.19	100.49	-1.98
11924	LA-Upland	68.50	100.51	-1.98
11925	LA-Upland	68.80	100.53	-1.98
11926	LA-Upland	69.10	100.55	-2.32
11927	LA-Upland	69.31	100.57	-2.32
11928	LA-Upland	69.16	100.59	-2.32
11929	LA-Upland	68.80	100.61	-2.32
11930	LA-Upland	69.08	100.63	-2.32
11931	LA-Upland	69.13	100.65	-2.32
11932	LA-Upland	70.31	100.66	-2.64
11933	LA-Upland	70.84	100.68	-2.64
11934	LA-Upland	71.54	100.70	-2.64

time (s)	route	speed (mph)	distance (mi)	grade (%)
12013	LA-Upland	73.87	102.33	0.00
12014	LA-Upland	74.37	102.35	1.52
12015	LA-Upland	74.75	102.37	1.52
12016	LA-Upland	74.88	102.40	1.52
12017	LA-Upland	75.11	102.42	1.52
12018	LA-Upland	75.04	102.44	1.52
12019	LA-Upland	74.54	102.46	0.05
12020	LA-Upland	74.68	102.48	0.05
12021	LA-Upland	74.38	102.50	0.05
12022	LA-Upland	74.27	102.52	0.05
12023	LA-Upland	74.07	102.54	0.05
12024	LA-Upland	74.06	102.56	-0.49
12025	LA-Upland	74.19	102.58	-0.49
12026	LA-Upland	74.14	102.60	-0.49
12027	LA-Upland	74.45	102.62	-0.49
12028	LA-Upland	74.51	102.64	-0.49
12029	LA-Upland	74.71	102.66	-0.42
12030	LA-Upland	74.93	102.68	-0.42
12031	LA-Upland	75.04	102.70	-0.42
12032	LA-Upland	75.22	102.72	-0.42
12033	LA-Upland	75.08	102.74	-0.42
12034	LA-Upland	75.08	102.76	-0.31
12035	LA-Upland	74.88	102.79	-0.31
12036	LA-Upland	74.73	102.81	-0.31
12037	LA-Upland	74.64	102.83	-0.31
12038	LA-Upland	74.49	102.85	-0.31
12039	LA-Upland	74.24	102.87	-0.23
12040	LA-Upland	73.40	102.89	-0.23
12041	LA-Upland	72.40	102.91	-0.23
12042	LA-Upland	72.36	102.93	-0.23
12043	LA-Upland	72.49	102.95	-0.23
12044	LA-Upland	72.67	102.97	-0.24
12045	LA-Upland	72.99	102.99	-0.24
12046	LA-Upland	73.14	103.01	-0.24
12047	LA-Upland	73.30	103.03	-0.24
12048	LA-Upland	73.02	103.05	-0.24
12049	LA-Upland	72.07	103.07	-0.33
12050	LA-Upland	71.57	103.09	-0.33
12051	LA-Upland	71.50	103.11	-0.33
12052	LA-Upland	71.31	103.13	-0.33
12053	LA-Upland	71.07	103.15	-0.33
12054	LA-Upland	70.82	103.17	-0.79
12055	LA-Upland	70.61	103.18	-0.79
12056	LA-Upland	70.41	103.20	-0.79
12057	LA-Upland	70.13	103.22	-0.79
12058	LA-Upland	69.97	103.24	-0.79
12059	LA-Upland	69.94	103.26	1.34
12060	LA-Upland	69.99	103.28	1.34
12061	LA-Upland	70.07	103.30	1.34
12062	LA-Upland	70.16	103.32	1.34
12063	LA-Upland	70.31	103.34	1.34
12064	LA-Upland	70.50	103.36	-0.04
12065	LA-Upland	70.78	103.38	-0.04
12066	LA-Upland	71.01	103.40	-0.04
12067	LA-Upland	71.21	103.42	-0.04
12068	LA-Upland	71.36	103.44	-0.04
12069	LA-Upland	71.50	103.46	-0.20
12070	LA-Upland	71.63	103.48	-0.20
12071	LA-Upland	71.84	103.50	-0.20
12072	LA-Upland	71.88	103.52	-0.20
12073	LA-Upland	71.95	103.54	-0.20
12074	LA-Upland	72.02	103.55	-0.44
12075	LA-Upland	71.96	103.57	-0.44
12076	LA-Upland	71.98	103.59	-0.44
12077	LA-Upland	71.93	103.61	-0.44
12078	LA-Upland	71.89	103.63	-0.44
12079	LA-Upland	71.83	103.65	-0.60
12080	LA-Upland	71.80	103.67	-0.60
12081	LA-Upland	71.66	103.69	-0.60
12082	LA-Upland	71.56	103.71	-0.60
12083	LA-Upland	71.51	103.73	-0.60
12084	LA-Upland	71.49	103.75	-0.92
12085	LA-Upland	71.52	103.77	-0.92
12086	LA-Upland	71.49	103.79	-0.92
12087	LA-Upland	71.47	103.81	-0.92
12088	LA-Upland	71.56	103.83	-0.92
12089	LA-Upland	71.78	103.85	-1.01
12090	LA-Upland	72.12	103.87	-1.01

time (s)	route	speed (mph)	distance (mi)	grade (%)
11935	LA-Upland	70.74	100.72	2.64
11936	LA-Upland	70.25	100.74	2.64
11937	LA-Upland	70.50	100.76	0.13
11938	LA-Upland	69.93	100.78	0.13
11939	LA-Upland	69.17	100.80	0.13
11940	LA-Upland	67.26	100.82	0.13
11941	LA-Upland	64.78	100.84	0.13
11942	LA-Upland	62.30	100.85	0.06
11943	LA-Upland	61.53	100.87	0.06
11944	LA-Upland	61.91	100.89	0.06
11945	LA-Upland	63.41	100.91	0.06
11946	LA-Upland	66.42	100.92	0.06
11947	LA-Upland	68.73	100.94	0.06
11948	LA-Upland	70.73	100.96	0.05
11949	LA-Upland	72.00	100.98	0.05
11950	LA-Upland	73.02	101.00	0.05
11951	LA-Upland	73.87	101.02	0.05
11952	LA-Upland	74.52	101.04	0.05
11953	LA-Upland	75.14	101.06	0.41
11954	LA-Upland	75.71	101.08	0.41
11955	LA-Upland	76.31	101.10	0.41
11956	LA-Upland	76.82	101.13	0.41
11957	LA-Upland	77.01	101.15	0.41
11958	LA-Upland	76.93	101.17	0.96
11959	LA-Upland	76.78	101.19	0.96
11960	LA-Upland	76.64	101.21	0.96
11961	LA-Upland	76.73	101.23	0.96
11962	LA-Upland	76.94	101.25	0.96
11963	LA-Upland	77.22	101.27	2.01
11964	LA-Upland	77.56	101.30	2.01
11965	LA-Upland	77.83	101.32	2.01
11966	LA-Upland	78.02	101.34	2.01
11967	LA-Upland	78.07	101.36	-0.59
11968	LA-Upland	78.17	101.38	-0.59
11969	LA-Upland	78.02	101.40	-0.59
11970	LA-Upland	78.35	101.42	-0.59
11971	LA-Upland	78.45	101.45	-0.59
11972	LA-Upland	78.62	101.47	-0.14
11973	LA-Upland	78.89	101.49	-0.14
11974	LA-Upland	79.04	101.51	-0.24
11975	LA-Upland	79.27	101.53	-0.24
11976	LA-Upland	79.45	101.55	-0.34
11977	LA-Upland	79.45	101.58	-0.34
11978	LA-Upland	79.62	101.60	-0.34
11979	LA-Upland	79.56	101.62	-0.34
11980	LA-Upland	79.48	101.64	-0.34
11981	LA-Upland	79.33	101.66	0.54
11982	LA-Upland	79.20	101.69	0.54
11983	LA-Upland	78.96	101.71	0.54
11984	LA-Upland	78.77	101.73	0.54
11985	LA-Upland	78.62	101.75	1.12
11986	LA-Upland	78.50	101.77	1.12
11987	LA-Upland	78.57	101.79	1.12
11988	LA-Upland	78.65	101.82	1.12
11989	LA-Upland	78.68	101.84	1.12
11990	LA-Upland	78.77	101.86	0.04
11991	LA-Upland	78.74	101.88	0.04
11992	LA-Upland	78.68	101.90	0.04
11993	LA-Upland	78.42	101.92	0.04
11994	LA-Upland	78.02	101.94	0.04
11995	LA-Upland	77.57	101.97	1.07
11996	LA-Upland	77.08	101.99	1.07
11997	LA-Upland	76.68	102.01	1.07
11998	LA-Upland	76.32	102.03	1.07
11999	LA-Upland	75.99	10	

time (s)	route	speed (mph)	distance (mi)	grade (%)
12169	LA-Upland	53.27	105.15	0.55
12170	LA-Upland	53.54	105.17	0.55
12171	LA-Upland	53.97	105.18	0.55
12172	LA-Upland	54.53	105.20	0.55
12173	LA-Upland	55.31	105.21	0.55
12174	LA-Upland	56.22	105.23	0.55
12175	LA-Upland	56.94	105.24	0.55
12176	LA-Upland	57.61	105.26	1.17
12177	LA-Upland	58.38	105.27	1.17
12178	LA-Upland	58.82	105.29	1.17
12179	LA-Upland	58.85	105.31	1.17
12180	LA-Upland	57.94	105.32	1.17
12181	LA-Upland	58.62	105.34	1.17
12182	LA-Upland	59.36	105.36	1.17
12183	LA-Upland	60.08	105.37	1.17
12184	LA-Upland	60.87	105.39	1.17
12185	LA-Upland	61.55	105.41	1.17
12186	LA-Upland	62.46	105.42	1.17
12187	LA-Upland	63.23	105.44	1.17
12188	LA-Upland	63.97	105.46	0.85
12189	LA-Upland	64.63	105.48	0.85
12190	LA-Upland	64.89	105.49	0.85
12191	LA-Upland	65.04	105.51	0.85
12192	LA-Upland	65.30	105.53	0.85
12193	LA-Upland	65.35	105.55	0.85
12194	LA-Upland	64.48	105.56	0.72
12195	LA-Upland	63.55	105.58	0.72
12196	LA-Upland	62.96	105.60	0.72
12197	LA-Upland	63.21	105.62	0.72
12198	LA-Upland	63.22	105.63	0.72
12199	LA-Upland	63.11	105.65	0.96
12200	LA-Upland	62.83	105.67	0.96
12201	LA-Upland	61.97	105.69	0.96
12202	LA-Upland	61.07	105.70	0.96
12203	LA-Upland	60.06	105.72	0.96
12204	LA-Upland	59.34	105.74	0.96
12205	LA-Upland	58.22	105.75	1.03
12206	LA-Upland	57.91	105.77	1.03
12207	LA-Upland	58.01	105.78	1.03
12208	LA-Upland	58.13	105.80	1.03
12209	LA-Upland	58.21	105.82	1.03
12210	LA-Upland	57.88	105.83	1.03
12211	LA-Upland	56.86	105.85	1.03
12212	LA-Upland	56.10	105.86	1.10
12213	LA-Upland	55.97	105.88	1.10
12214	LA-Upland	56.26	105.89	1.10
12215	LA-Upland	56.49	105.91	1.10
12216	LA-Upland	56.73	105.92	1.10
12217	LA-Upland	57.36	105.94	1.10
12218	LA-Upland	57.94	105.96	0.45
12219	LA-Upland	58.47	105.97	0.45
12220	LA-Upland	59.06	105.99	0.45
12221	LA-Upland	59.82	106.00	0.45
12222	LA-Upland	60.64	106.02	0.45
12223	LA-Upland	61.37	106.04	0.45
12224	LA-Upland	62.21	106.06	1.08
12225	LA-Upland	62.87	106.07	1.08
12226	LA-Upland	63.22	106.09	1.08
12227	LA-Upland	63.62	106.11	1.08
12228	LA-Upland	64.36	106.13	1.08
12229	LA-Upland	65.09	106.14	1.08
12230	LA-Upland	65.70	106.16	0.24
12231	LA-Upland	65.89	106.18	0.24
12232	LA-Upland	65.10	106.20	0.24
12233	LA-Upland	64.32	106.21	0.24
12234	LA-Upland	61.84	106.23	0.24
12235	LA-Upland	58.82	106.25	0.24
12236	LA-Upland	55.79	106.26	0.88
12237	LA-Upland	51.88	106.28	0.68
12238	LA-Upland	47.55	106.29	0.68
12239	LA-Upland	43.89	106.30	0.68
12240	LA-Upland	41.94	106.31	0.68
12241	LA-Upland	41.46	106.33	0.68
12242	LA-Upland	42.31	106.34	0.68
12243	LA-Upland	43.19	106.35	0.68
12244	LA-Upland	44.01	106.36	0.75
12245	LA-Upland	44.81	106.37	0.75
12246	LA-Upland	45.92	106.39	0.75

time (s)	route	speed (mph)	distance (mi)	grade (%)
12325	LA-Upland	69.05	107.68	1.80
12326	LA-Upland	69.32	107.70	1.80
12327	LA-Upland	69.47	107.72	1.80
12328	LA-Upland	69.32	107.73	1.80
12329	LA-Upland	68.99	107.75	-0.37
12330	LA-Upland	68.10	107.77	-0.37
12331	LA-Upland	67.14	107.79	-0.37
12332	LA-Upland	66.96	107.81	-0.37
12333	LA-Upland	66.87	107.83	-0.37
12334	LA-Upland	67.13	107.85	-0.37
12335	LA-Upland	67.78	107.86	-0.51
12336	LA-Upland	68.51	107.88	-0.51
12337	LA-Upland	68.75	107.90	-0.51
12338	LA-Upland	68.61	107.92	-0.51
12339	LA-Upland	68.22	107.94	-0.51
12340	LA-Upland	68.00	107.96	0.00
12341	LA-Upland	67.62	107.98	0.00
12342	LA-Upland	67.47	108.00	0.00
12343	LA-Upland	67.32	108.01	0.00
12344	LA-Upland	66.78	108.03	0.00
12345	LA-Upland	66.34	108.05	1.99
12346	LA-Upland	65.77	108.07	1.99
12347	LA-Upland	65.17	108.09	1.99
12348	LA-Upland	64.72	108.10	1.99
12349	LA-Upland	64.18	108.12	1.99
12350	LA-Upland	63.52	108.14	1.99
12351	LA-Upland	62.90	108.16	5.69
12352	LA-Upland	62.85	108.17	6.69
12353	LA-Upland	62.98	108.19	5.69
12354	LA-Upland	63.33	108.21	5.69
12355	LA-Upland	63.95	108.23	5.69
12356	LA-Upland	64.41	108.24	5.69
12357	LA-Upland	64.92	108.26	4.96
12358	LA-Upland	65.56	108.28	4.96
12359	LA-Upland	66.39	108.30	4.96
12360	LA-Upland	67.28	108.32	4.96
12361	LA-Upland	68.52	108.34	4.96
12362	LA-Upland	69.62	108.36	3.06
12363	LA-Upland	70.95	108.37	3.06
12364	LA-Upland	71.89	108.39	3.06
12365	LA-Upland	72.60	108.41	3.06
12366	LA-Upland	73.34	108.43	3.06
12367	LA-Upland	74.05	108.45	1.21
12368	LA-Upland	74.66	108.48	1.21
12369	LA-Upland	75.11	108.50	1.21
12370	LA-Upland	75.65	108.52	1.21
12371	LA-Upland	76.15	108.54	1.21
12372	LA-Upland	76.72	108.56	0.45
12373	LA-Upland	77.27	108.58	0.45
12374	LA-Upland	77.59	108.60	0.45
12375	LA-Upland	77.57	108.62	0.45
12376	LA-Upland	75.96	108.64	0.45
12377	LA-Upland	74.73	108.66	-0.13
12378	LA-Upland	73.41	108.68	-0.13
12379	LA-Upland	72.01	108.70	-0.13
12380	LA-Upland	70.53	108.72	-0.13
12381	LA-Upland	69.73	108.74	-0.13
12382	LA-Upland	68.97	108.76	3.67
12383	LA-Upland	68.57	108.78	3.67
12384	LA-Upland	68.06	108.80	3.67
12385	LA-Upland	67.67	108.82	3.67
12386	LA-Upland	67.61	108.84	3.67
12387	LA-Upland	67.59	108.86	3.47
12388	LA-Upland	67.13	108.87	3.47
12389	LA-Upland	66.65	108.89	3.47
12390	LA-Upland	66.05	108.91	3.47
12391	LA-Upland	65.33	108.93	3.47
12392	LA-Upland	64.32	108.95	3.47
12393	LA-Upland	64.78	108.96	4.65
12394	LA-Upland	65.20	108.98	4.65
12395	LA-Upland	65.47	109.00	4.65
12396	LA-Upland	65.34	109.02	4.65
12397	LA-Upland	65.40	109.04	4.65
12398	LA-Upland	65.80	109.05	3.91
12399	LA-Upland	66.10	109.07	3.91
12400	LA-Upland	66.39	109.09	3.91
12401	LA-Upland	66.53	109.11	3.91
12402	LA-Upland	66.50	109.13	3.91

time (s)	route	speed (mph)	distance (mi)	grade (%)
12247	LA-Upland	47.17	106.40	0.75
12248	LA-Upland	48.47	106.41	0.75
12249	LA-Upland	49.52	106.43	0.75
12250	LA-Upland	50.63	106.44	0.75
12251	LA-Upland	51.55	106.45	0.61
12252	LA-Upland	52.00	106.47	0.61
12253	LA-Upland	51.46	106.48	0.61
12254	LA-Upland	50.96	106.50	0.61
12255	LA-Upland	51.52	106.51	0.61
12256	LA-Upland	52.23	106.53	0.61
12257	LA-Upland	53.04	106.54	0.61
12258	LA-Upland	53.86	106.55	0.85
12259	LA-Upland	54.23	106.57	0.85
12260	LA-Upland	53.45	106.58	0.85
12261	LA-Upland	53.35	106.60	0.85
12262	LA-Upland	53.91	106.61	0.85
12263	LA-Upland	54.63	106.63	0.85
12264	LA-Upland	55.61	106.64	0.85
12265	LA-Upland	56.36	106.66	1.13
12266	LA-Upland	55.74	106.67	1.13
12267	LA-Upland	54.76	106.69	1.13
12268	LA-Upland	53.84	106.70	1.13
12269	LA-Upland	52.95	106.72	1.13
12270	LA-Upland	52.43	106.73	1.13
12271	LA-Upland	52.71	106.75	1.13
12272	LA-Upland	52.98	106.76	0.79
12273	LA-Upland	53.31	106.78	0.79
12274	LA-Upland	53.65	106.79	0.79
12275	LA-Upland	53.61	106.81	0.79
12276	LA-Upland	53.96	106.82	0.79
12277	LA-Upland	54.56	106.84	0.79
12278	LA-Upland	55.78	106.85	1.18
12279	LA-Upland	56.91	106.87	1.18
12280	LA-Upland	58.01	106.88	1.18
12281	LA-Upland	58.98	106.90	1.18
12282	LA-Upland	60.66	106.92	1.18
12283	LA-Upland	61.73	106.93	1.18
12284	LA-Upland	62.49	106.95	0.35
12285	LA-Upland	63.17	106.97	0.35
12286	LA-Upland	63.05	106.99	0.35
12287	LA-Upland	62.12	107.00	0.35
12288	LA-Upland	62.08	107.02	0.35
12289	LA-Upland	62.64	107.04	0.35
12290	LA-Upland	63.38	107.05	0.03
12291	LA-Upland	64.12	107.07	0.03
12292	LA-Upland	64.98	107.09	0.03
12293	LA-Upland	65.12	107.11	0.03
12294	LA-Upland	64.52	107.13	0.03
12295	LA-Upland	64.68	107.14	0.03
12296	LA-Upland	64.97	107.16	-0.38
12297	LA-Upland	64.86	107.18	-0.38
12298	LA-Upland	64.15	107.20	-0.38
12299	LA-Upland	63.53	107.21	-0.38
12300	LA-Upland	62.75	107.23	-0.38
12301	LA-Upland	62.69	107.25	0.38
12302	LA-Upland	62.06	107.27	0.65
12303	LA-Upland	61.95	107.28	0.65
12304	LA-Upland	62.34	107.30	0.65
12305	LA-Upland	62.91	107.32	0.65
12306	LA-Upland	63.70	107.33	0.65
12307	LA-Upland	64.53	107.35	0.28
12308	LA-Upland	64.89	107.37	0.28
12309	LA-Upland	64.79	107.39	0.28
12310	LA-Upland	64.00	107.41	0.28</

time (s)	route	speed (mph)	distance (mi)	grade (%)
12481	LA-Upland	74.02	110.67	3.39
12482	LA-Upland	74.35	110.69	3.39
12483	LA-Upland	74.36	110.71	3.39
12484	LA-Upland	74.32	110.73	3.39
12485	LA-Upland	73.80	110.75	-0.82
12486	LA-Upland	74.18	110.77	-0.82
12487	LA-Upland	75.05	110.79	-0.82
12488	LA-Upland	75.91	110.81	-0.82
12489	LA-Upland	75.86	110.84	-0.82
12490	LA-Upland	75.71	110.86	-2.08
12491	LA-Upland	75.50	110.88	-2.08
12492	LA-Upland	75.43	110.90	-2.08
12493	LA-Upland	75.33	110.92	-2.08
12494	LA-Upland	75.09	110.94	-2.08
12495	LA-Upland	75.01	110.96	-4.31
12496	LA-Upland	75.11	110.98	-4.31
12497	LA-Upland	75.06	111.00	-4.31
12498	LA-Upland	75.03	111.02	-4.31
12499	LA-Upland	75.07	111.04	-4.31
12500	LA-Upland	75.10	111.06	-5.61
12501	LA-Upland	75.66	111.08	-5.61
12502	LA-Upland	75.60	111.10	-5.61
12503	LA-Upland	75.44	111.13	-5.61
12504	LA-Upland	74.88	111.15	-5.61
12505	LA-Upland	74.80	111.17	-4.95
12506	LA-Upland	74.85	111.19	-4.95
12507	LA-Upland	74.31	111.21	-4.95
12508	LA-Upland	73.45	111.23	-4.95
12509	LA-Upland	73.16	111.25	-4.95
12510	LA-Upland	73.21	111.27	-5.36
12511	LA-Upland	73.22	111.29	-5.36
12512	LA-Upland	73.71	111.31	-5.36
12513	LA-Upland	74.60	111.33	-5.36
12514	LA-Upland	75.44	111.35	-5.36
12515	LA-Upland	75.53	111.37	-3.65
12516	LA-Upland	75.66	111.39	-3.65
12517	LA-Upland	75.71	111.41	-3.65
12518	LA-Upland	75.88	111.43	-3.65
12519	LA-Upland	75.91	111.45	-5.88
12520	LA-Upland	76.14	111.47	-5.88
12521	LA-Upland	76.16	111.50	-5.88
12522	LA-Upland	76.05	111.52	-5.88
12523	LA-Upland	75.96	111.54	-5.88
12524	LA-Upland	75.66	111.56	-5.38
12525	LA-Upland	75.65	111.58	-5.38
12526	LA-Upland	75.89	111.60	-5.38
12527	LA-Upland	75.95	111.62	-5.38
12528	LA-Upland	76.15	111.64	-3.38
12529	LA-Upland	76.14	111.66	-4.86
12530	LA-Upland	75.53	111.68	-4.86
12531	LA-Upland	74.81	111.70	-4.86
12532	LA-Upland	74.71	111.72	-4.86
12533	LA-Upland	74.44	111.74	-4.86
12534	LA-Upland	74.15	111.77	-0.05
12535	LA-Upland	74.16	111.79	-0.05
12536	LA-Upland	74.38	111.81	-0.05
12537	LA-Upland	74.43	111.83	-0.05
12538	LA-Upland	74.64	111.85	-0.05
12539	LA-Upland	74.76	111.87	-0.89
12540	LA-Upland	74.74	111.89	-0.89
12541	LA-Upland	74.67	111.91	-0.89
12542	LA-Upland	74.64	111.93	-0.89
12543	LA-Upland	74.54	111.95	-0.89
12544	LA-Upland	74.66	111.97	-0.12
12545	LA-Upland	74.75	111.99	-0.12
12546	LA-Upland	74.73	112.01	-0.12
12547	LA-Upland	74.90	112.03	-0.12
12548	LA-Upland	74.95	112.05	1.24
12549	LA-Upland	74.84	112.07	1.24
12550	LA-Upland	74.94	112.09	1.24
12551	LA-Upland	74.99	112.11	1.24
12552	LA-Upland	75.00	112.13	1.24
12553	LA-Upland	75.04	112.16	1.08
12554	LA-Upland	74.83	112.18	1.08
12555	LA-Upland	74.73	112.20	1.08
12556	LA-Upland	74.64	112.22	1.08
12557	LA-Upland	74.60	112.24	1.08
12558	LA-Upland	74.57	112.26	-0.29

time (s)	route	speed (mph)	distance (mi)	grade (%)
12637	LA-Upland	74.17	113.88	1.33
12638	LA-Upland	74.52	113.90	1.33
12639	LA-Upland	74.85	113.92	1.33
12640	LA-Upland	74.97	113.94	1.33
12641	LA-Upland	74.87	113.96	-0.05
12642	LA-Upland	74.38	113.98	-0.05
12643	LA-Upland	73.89	114.00	-0.05
12644	LA-Upland	72.49	114.02	-0.05
12645	LA-Upland	71.42	114.04	-0.05
12646	LA-Upland	71.08	114.06	1.20
12647	LA-Upland	71.23	114.08	2.09
12648	LA-Upland	71.50	114.10	1.20
12649	LA-Upland	71.60	114.12	1.20
12650	LA-Upland	71.49	114.14	1.20
12651	LA-Upland	71.44	114.16	0.32
12652	LA-Upland	71.23	114.18	0.32
12653	LA-Upland	71.19	114.20	0.32
12654	LA-Upland	71.17	114.22	0.32
12655	LA-Upland	71.18	114.24	0.32
12656	LA-Upland	71.21	114.26	0.33
12657	LA-Upland	71.21	114.28	0.33
12658	LA-Upland	71.24	114.30	0.33
12659	LA-Upland	71.25	114.32	0.33
12660	LA-Upland	71.37	114.34	0.33
12661	LA-Upland	71.49	114.36	1.54
12662	LA-Upland	71.74	114.38	1.54
12663	LA-Upland	72.04	114.40	1.54
12664	LA-Upland	72.34	114.42	1.54
12665	LA-Upland	72.55	114.44	1.54
12666	LA-Upland	72.72	114.46	0.62
12667	LA-Upland	72.67	114.48	0.62
12668	LA-Upland	72.72	114.50	0.62
12669	LA-Upland	72.82	114.52	0.62
12670	LA-Upland	73.11	114.54	0.62
12671	LA-Upland	73.36	114.56	1.67
12672	LA-Upland	73.64	114.58	1.67
12673	LA-Upland	73.86	114.60	1.67
12674	LA-Upland	74.04	114.62	1.67
12675	LA-Upland	74.17	114.64	1.67
12676	LA-Upland	74.05	114.66	1.54
12677	LA-Upland	73.73	114.68	1.54
12678	LA-Upland	73.44	114.70	1.54
12679	LA-Upland	73.27	114.72	1.54
12680	LA-Upland	73.37	114.74	1.54
12681	LA-Upland	72.88	114.76	1.55
12682	LA-Upland	72.57	114.78	1.55
12683	LA-Upland	72.51	114.80	1.55
12684	LA-Upland	72.33	114.82	1.55
12685	LA-Upland	72.07	114.84	1.55
12686	LA-Upland	71.90	114.86	2.12
12687	LA-Upland	71.74	114.88	2.12
12688	LA-Upland	71.17	114.90	2.12
12689	LA-Upland	69.93	114.92	2.12
12690	LA-Upland	69.67	114.94	2.12
12691	LA-Upland	69.74	114.96	1.85
12692	LA-Upland	69.83	114.97	1.85
12693	LA-Upland	69.76	114.99	1.85
12694	LA-Upland	69.56	115.01	1.85
12695	LA-Upland	69.19	115.03	1.85
12696	LA-Upland	69.02	115.05	3.63
12697	LA-Upland	68.36	115.07	3.63
12698	LA-Upland	66.91	115.09	3.63
12699	LA-Upland	65.70	115.11	3.63
12700	LA-Upland	64.56	115.12	3.63
12701	LA-Upland	64.17	115.14	3.63
12702	LA-Upland	64.19	115.16	0.25
12703	LA-Upland	64.28	115.18	0.25
12704	LA-Upland	64.75	115.19	0.25
12705	LA-Upland	65.64	115.21	0.25
12706	LA-Upland	66.36	115.23	0.25
12707	LA-Upland	67.15	115.25	0.25
12708	LA-Upland	67.81	115.27	1.37
12709	LA-Upland	68.37	115.29	1.37
12710	LA-Upland	68.62	115.31	1.37
12711	LA-Upland	68.20	115.32	1.37
12712	LA-Upland	67.31	115.34	1.37
12713	LA-Upland	67.97	115.36	2.40
12714	LA-Upland	68.49	115.38	2.40

time (s)	route	speed (mph)	distance (mi)	grade (%)
12559	LA-Upland	74.35	112.28	-0.29
12560	LA-Upland	73.82	112.30	-0.29
12561	LA-Upland	72.63	112.32	-0.29
12562	LA-Upland	72.21	112.34	-0.29
12563	LA-Upland	72.24	112.36	0.24
12564	LA-Upland	72.29	112.38	0.24
12565	LA-Upland	72.30	112.40	0.24
12566	LA-Upland	72.26	112.42	0.24
12567	LA-Upland	72.15	112.44	0.24
12568	LA-Upland	72.35	112.46	3.03
12569	LA-Upland	72.22	112.48	3.03
12570	LA-Upland	72.08	112.50	3.03
12571	LA-Upland	71.98	112.52	3.03
12572	LA-Upland	71.95	112.54	3.03
12573	LA-Upland	71.99	112.56	-1.26
12574	LA-Upland	72.11	112.58	-1.26
12575	LA-Upland	72.15	112.60	-1.26
12576	LA-Upland	72.38	112.62	-1.26
12577	LA-Upland	72.44	112.64	-1.26
12578	LA-Upland	72.62	112.66	1.96
12579	LA-Upland	72.63	112.68	1.96
12580	LA-Upland	72.95	112.70	1.96
12581	LA-Upland	73.06	112.72	1.96
12582	LA-Upland	73.27	112.74	1.96
12583	LA-Upland	73.39	112.76	0.75
12584	LA-Upland	73.70	112.78	0.75
12585	LA-Upland	73.96	112.80	0.75
12586	LA-Upland	74.23	112.82	0.75
12587	LA-Upland	74.38	112.84	0.75
12588	LA-Upland	74.60	112.86	1.08
12589	LA-Upland	74.83	112.88	1.08
12590	LA-Upland	74.85	112.90	1.08
12591	LA-Upland	74.99	112.92	1.08
12592	LA-Upland	74.99	112.94	1.08
12593	LA-Upland	74.83	112.96	0.35
12594	LA-Upland	74.87	112.98	0.35
12595	LA-Upland	74.91	113.00	0.35
12596	LA-Upland	75.26	113.02	0.35
12597	LA-Upland	75.61	113.04	0.35
12598	LA-Upland	75.91	113.07	1.29
12599	LA-Upland	76.08	113.09	1.29
12600	LA-Upland	76.20	113.11	1.29
12601	LA-Upland	76.28	113.13	1.29
12602	LA-Upland	76.37	113.15	1.29
12603	LA-Upland	76.88	113.17	0.65
12604	LA-Upland	77.27	113.19	0.65
12605	LA-Upland	77.57	113.21	0.65
12606	LA-Upland	77.79	113.23	0.65
12607	LA-Upland	78.10	113.26	1.08
12608	LA-Upland	78.31	113.28	1.08
12609	LA-Upland	78.48	113.30	1.08
12610	LA-Upland	78.57	113.32	0.08
12611	LA-Upland	78.63	113.34	1.08
12612	LA-Upland	78.82	113.36	-0.07
12613	LA-Upland	78.90	113.38	0.07
12614	LA-Upland	79.02	113.41	-0.07
12615	LA-Upland	79.01	113.43	-0.07
12616	LA-Upland	78.13	113.45	-0.29
12617	LA-Upland	77.25	113.47	0.29
12618	LA-Upland	77.14	113.49	0.29
12619	LA-Upland	76.99	113.51	0.29
12620	LA-Upland	76.74	113.54	0.29
12621	LA-Upland	76.66	113.56	0.17
12622	LA-Upland	76.56	113.	

time (s)	route	speed (mph)	distance (mi)	grade (%)
12793	LA-Upland	72.15	116.96	0.07
12794	LA-Upland	70.76	116.98	0.07
12795	LA-Upland	68.76	116.99	0.07
12796	LA-Upland	67.55	117.01	0.07
12797	LA-Upland	66.36	117.03	0.07
12798	LA-Upland	64.31	117.05	0.07
12799	LA-Upland	62.13	117.07	0.06
12800	LA-Upland	59.96	117.08	0.06
12801	LA-Upland	58.74	117.10	0.06
12802	LA-Upland	57.64	117.11	0.06
12803	LA-Upland	55.54	117.13	0.06
12804	LA-Upland	53.38	117.14	0.04
12805	LA-Upland	51.56	117.16	0.45
12806	LA-Upland	50.51	117.17	0.45
12807	LA-Upland	49.78	117.19	0.45
12808	LA-Upland	47.93	117.20	0.45
12809	LA-Upland	45.36	117.21	0.45
12810	LA-Upland	43.76	117.22	0.45
12811	LA-Upland	43.18	117.24	0.45
12812	LA-Upland	43.01	117.25	0.45
12813	LA-Upland	41.81	117.26	1.45
12814	LA-Upland	39.41	117.27	1.45
12815	LA-Upland	34.91	117.28	1.45
12816	LA-Upland	30.33	117.29	1.45
12817	LA-Upland	26.76	117.29	1.45
12818	LA-Upland	23.51	117.30	1.45
12819	LA-Upland	21.90	117.31	1.45
12820	LA-Upland	21.13	117.31	1.45
12821	LA-Upland	21.26	117.32	1.45
12822	LA-Upland	22.15	117.32	1.45
12823	LA-Upland	22.27	117.33	1.45
12824	LA-Upland	24.81	117.34	1.45
12825	LA-Upland	26.57	117.35	1.45
12826	LA-Upland	28.13	117.35	2.74
12827	LA-Upland	29.53	117.36	2.74
12828	LA-Upland	28.50	117.37	2.74
12829	LA-Upland	27.78	117.38	2.74
12830	LA-Upland	27.22	117.38	2.74
12831	LA-Upland	26.72	117.39	2.74
12832	LA-Upland	25.92	117.40	2.74
12833	LA-Upland	24.62	117.41	2.74
12834	LA-Upland	24.00	117.41	2.74
12835	LA-Upland	23.89	117.42	2.74
12836	LA-Upland	23.56	117.43	2.74
12837	LA-Upland	22.47	117.43	2.74
12838	LA-Upland	21.17	117.44	2.74
12839	LA-Upland	20.02	117.44	2.74
12840	LA-Upland	19.83	117.45	2.74
12841	LA-Upland	19.38	117.45	0.01
12842	LA-Upland	17.89	117.46	0.01
12843	LA-Upland	16.31	117.46	0.01
12844	LA-Upland	14.58	117.47	0.01
12845	LA-Upland	11.95	117.47	0.01
12846	LA-Upland	10.98	117.47	0.01
12847	LA-Upland	11.75	117.48	0.01
12848	LA-Upland	13.89	117.48	0.01
12849	LA-Upland	16.20	117.48	0.01
12850	LA-Upland	18.51	117.49	0.01
12851	LA-Upland	20.63	117.50	0.01
12852	LA-Upland	22.52	117.50	0.01
12853	LA-Upland	23.36	117.51	0.01
12854	LA-Upland	24.35	117.51	0.01
12855	LA-Upland	25.43	117.52	0.01
12856	LA-Upland	26.40	117.53	0.01
12857	LA-Upland	25.11	117.54	0.01
12858	LA-Upland	25.89	117.54	0.01
12859	LA-Upland	25.26	117.55	-0.81
12860	LA-Upland	25.32	117.56	-0.81
12861	LA-Upland	25.43	117.56	-0.81
12862	LA-Upland	24.97	117.57	-0.81
12863	LA-Upland	24.47	117.58	-0.81
12864	LA-Upland	25.10	117.58	-0.81
12865	LA-Upland	26.32	117.59	-0.81
12866	LA-Upland	27.63	117.60	-0.81
12867	LA-Upland	29.01	117.61	-0.81
12868	LA-Upland	30.42	117.62	-0.81
12869	LA-Upland	31.99	117.62	-0.81
12870	LA-Upland	33.54	117.63	-0.81

time (s)	route	speed (mph)	distance (mi)	grade (%)
12949	LA-Upland	36.17	118.27	-0.44
12950	LA-Upland	37.56	118.28	-0.44
12951	LA-Upland	38.91	118.29	-0.44
12952	LA-Upland	40.10	118.30	-0.44
12953	LA-Upland	40.98	118.32	-0.44
12954	LA-Upland	41.67	118.33	-0.44
12955	LA-Upland	42.32	118.34	-0.44
12956	LA-Upland	42.84	118.35	-0.16
12957	LA-Upland	41.94	118.36	-0.16
12958	LA-Upland	40.78	118.37	-0.16
12959	LA-Upland	38.98	118.38	-0.16
12960	LA-Upland	38.00	118.39	-0.16
12961	LA-Upland	38.16	118.40	-0.16
12962	LA-Upland	38.71	118.42	-0.16
12963	LA-Upland	39.33	118.43	-0.16
12964	LA-Upland	39.97	118.44	-0.16
12965	LA-Upland	40.78	118.45	-0.16
12966	LA-Upland	40.50	118.46	2.33
12967	LA-Upland	39.32	118.47	2.33
12968	LA-Upland	38.32	118.48	2.33
12969	LA-Upland	36.91	118.49	2.33
12970	LA-Upland	35.88	118.50	2.33
12971	LA-Upland	36.04	118.51	2.33
12972	LA-Upland	36.60	118.52	2.33
12973	LA-Upland	37.56	118.53	2.33
12974	LA-Upland	38.51	118.54	2.33
12975	LA-Upland	38.97	118.55	2.76
12976	LA-Upland	38.17	118.56	2.76
12977	LA-Upland	38.84	118.57	2.76
12978	LA-Upland	39.75	118.58	2.76
12979	LA-Upland	39.62	118.60	2.76
12980	LA-Upland	38.82	118.61	2.76
12981	LA-Upland	37.54	118.62	2.76
12982	LA-Upland	36.32	118.63	2.76
12983	LA-Upland	36.66	118.64	2.76
12984	LA-Upland	38.13	118.65	2.76
12985	LA-Upland	39.58	118.66	1.53
12986	LA-Upland	39.64	118.67	1.53
12987	LA-Upland	38.76	118.68	1.53
12988	LA-Upland	36.78	118.69	1.53
12989	LA-Upland	34.20	118.70	1.53
12990	LA-Upland	31.08	118.71	1.53
12991	LA-Upland	28.20	118.72	1.53
12992	LA-Upland	25.53	118.72	1.53
12993	LA-Upland	23.45	118.73	1.53
12994	LA-Upland	22.98	118.73	1.53
12995	LA-Upland	23.16	118.74	1.53
12996	LA-Upland	24.61	118.75	1.53
12997	LA-Upland	26.02	118.76	-1.91
12998	LA-Upland	27.45	118.76	-1.91
12999	LA-Upland	27.86	118.77	-1.91
13000	LA-Upland	26.88	118.78	-1.91
13001	LA-Upland	25.96	118.78	-1.91
13002	LA-Upland	24.30	118.79	-1.91
13003	LA-Upland	22.65	118.80	-1.91
13004	LA-Upland	21.93	118.80	-1.91
13005	LA-Upland	22.43	118.81	-1.91
13006	LA-Upland	23.62	118.82	-1.91
13007	LA-Upland	25.47	118.82	-1.91
13008	LA-Upland	28.11	118.83	-1.91
13009	LA-Upland	31.07	118.84	-1.91
13010	LA-Upland	33.89	118.85	-1.91
13011	LA-Upland	35.96	118.86	1.14
13012	LA-Upland	37.44	118.87	1.14
13013	LA-Upland	38.07	118.88	1.14
13014	LA-Upland	37.07	118.89	1.14
13015	LA-Upland	37.06	118.90	1.14
13016	LA-Upland	37.22	118.91	1.14
13017	LA-Upland	36.88	118.92	1.14
13018	LA-Upland	37.25	118.93	1.14
13019	LA-Upland	36.90	118.94	1.14
13020	LA-Upland	35.67	118.95	1.52
13021	LA-Upland	34.45	118.96	1.52
13022	LA-Upland	34.17	118.97	1.52
13023	LA-Upland	34.67	118.98	1.52
13024	LA-Upland	35.69	118.99	1.52
13025	LA-Upland	36.62	119.00	1.52
13026	LA-Upland	37.21	119.01	1.52

time (s)	route	speed (mph)	distance (mi)	grade (%)
12871	LA-Upland	34.77	117.64	-0.81
12872	LA-Upland	35.82	117.65	1.15
12873	LA-Upland	36.80	117.66	1.15
12874	LA-Upland	37.73	117.67	1.15
12875	LA-Upland	37.66	117.68	1.15
12876	LA-Upland	36.74	117.69	1.15
12877	LA-Upland	36.87	117.70	1.15
12878	LA-Upland	37.37	117.71	1.15
12879	LA-Upland	38.03	117.72	1.15
12880	LA-Upland	38.40	117.74	1.15
12881	LA-Upland	38.56	117.75	1.15
12882	LA-Upland	38.77	117.76	0.44
12883	LA-Upland	39.09	117.77	0.44
12884	LA-Upland	39.59	117.78	0.44
12885	LA-Upland	40.07	117.79	0.44
12886	LA-Upland	40.53	117.80	0.44
12887	LA-Upland	40.78	117.81	0.44
12888	LA-Upland	40.88	117.82	0.44
12889	LA-Upland	40.40	117.83	0.44
12890	LA-Upland	39.48	117.84	0.44
12891	LA-Upland	39.84	117.86	1.10
12892	LA-Upland	40.32	117.87	0.10
12893	LA-Upland	40.83	117.88	0.10
12894	LA-Upland	40.39	117.89	0.10
12895	LA-Upland	40.42	117.90	0.10
12896	LA-Upland	40.84	117.91	0.10
12897	LA-Upland	40.42	117.92	0.10
12898	LA-Upland	39.50	117.93	0.10
12899	LA-Upland	39.46	117.94	0.10
12900	LA-Upland	38.79	117.96	0.87
12901	LA-Upland	37.48	117.97	0.87
12902	LA-Upland	35.71	117.98	0.87
12903	LA-Upland	34.72	117.98	0.87
12904	LA-Upland	34.65	117.99	0.87
12905	LA-Upland	35.84	118.00	0.87
12906	LA-Upland	36.04	118.01	0.87
12907	LA-Upland	36.62	118.02	0.87
12908	LA-Upland	37.17	118.03	0.87
12909	LA-Upland	36.66	118.04	0.87
12910	LA-Upland	35.77	118.05	1.10
12911	LA-Upland	34.28	118.06	1.10
12912	LA-Upland	32.58	118.07	1.10
12913	LA-Upland	31.45	118.08	1.10
12914	LA-Upland	30.54	118.09	1.10
12915	LA-Upland	29.80	118.10	1.10
12916	LA-Upland	29.17	118.11	1.10
12917	LA-Upland	28.39	118.11	1.10
12918	LA-Upland	27.22	118.12	1.10
12919	LA-Upland	26.40	118.13	1.10
12920	LA-Upland	25.83	118.14	1.10
12921	LA-Upland	25.35	118.14	1.10
12922	LA-Upland	25.41	118.15	1.57
12923	LA-Upland	25.38	118.16	1.57
12924	LA-Upland	23.10	118.16	1.57
12925	LA-Upland	18.86	118.17	1.57
12926	LA-Upland	10.30	118.17	1.57
12927	LA-Upland	3.56	118.17	1.57
12928	LA-Upland	0.18	118.17	1.57
12929	LA-Upland	0.00	118.17	1.57
12930	LA-Upland	0.00	118.17	1.57
12931	LA-Upland	0.00	118.17	1.57
12932	LA-Upland	0.00	118.17	1.57
12933	LA-Upland	2.20	118.17	1.57
12934	LA-Upland	5.78	118.17	1.57

time (s)	route	speed (mph)	distance (mi)	grade (%)
13105	LA-Upland	56.81	120.05	0.38
13106	LA-Upland	57.12	120.07	0.45
13107	LA-Upland	57.17	120.08	0.45
13108	LA-Upland	56.97	120.10	0.45
13109	LA-Upland	56.20	120.11	0.45
13110	LA-Upland	55.14	120.13	0.45
13111	LA-Upland	54.40	120.14	0.45
13112	LA-Upland	53.83	120.16	0.95
13113	LA-Upland	53.72	120.17	0.95
13114	LA-Upland	54.02	120.19	0.95
13115	LA-Upland	54.48	120.20	0.95
13116	LA-Upland	54.60	120.22	0.95
13117	LA-Upland	53.42	120.23	0.95
13118	LA-Upland	53.42	120.25	0.95
13119	LA-Upland	50.64	120.26	0.85
13120	LA-Upland	48.31	120.27	0.85
13121	LA-Upland	45.93	120.29	0.85
13122	LA-Upland	43.70	120.30	0.85
13123	LA-Upland	41.44	120.31	0.85
13124	LA-Upland	39.93	120.32	0.85
13125	LA-Upland	39.67	120.33	0.85
13126	LA-Upland	39.68	120.34	0.85
13127	LA-Upland	39.90	120.35	-0.40
13128	LA-Upland	38.80	120.36	-0.40
13129	LA-Upland	36.39	120.37	-0.40
13130	LA-Upland	33.89	120.38	-0.40
13131	LA-Upland	31.52	120.39	-0.40
13132	LA-Upland	30.35	120.40	-0.40
13133	LA-Upland	30.51	120.41	-0.40
13134	LA-Upland	30.77	120.42	-0.40
13135	LA-Upland	31.18	120.43	-0.40
13136	LA-Upland	32.88	120.43	-0.40
13137	LA-Upland	34.29	120.44	-0.40
13138	LA-Upland	35.67	120.45	-0.07
13139	LA-Upland	36.73	120.46	-0.07
13140	LA-Upland	37.12	120.47	-0.07
13141	LA-Upland	37.99	120.48	-0.07
13142	LA-Upland	38.63	120.49	-0.07
13143	LA-Upland	37.67	120.51	-0.07
13144	LA-Upland	37.92	120.52	-0.07
13145	LA-Upland	38.88	120.53	-0.07
13146	LA-Upland	37.39	120.54	-0.07
13147	LA-Upland	35.30	120.55	-0.07
13148	LA-Upland	33.12	120.56	-0.33
13149	LA-Upland	32.45	120.56	-0.33
13150	LA-Upland	32.04	120.57	-0.33
13151	LA-Upland	32.64	120.58	-0.33
13152	LA-Upland	34.17	120.59	-0.33
13153	LA-Upland	36.68	120.60	-0.33
13154	LA-Upland	38.86	120.61	-0.33
13155	LA-Upland	40.07	120.62	-0.33
13156	LA-Upland	40.02	120.63	-0.33
13157	LA-Upland	39.62	120.65	-0.33
13158	LA-Upland	39.19	120.66	-1.12
13159	LA-Upland	38.55	120.67	-1.12
13160	LA-Upland	37.62	120.68	-1.12
13161	LA-Upland	36.05	120.69	-1.12
13162	LA-Upland	35.42	120.70	-1.12
13163	LA-Upland	35.83	120.71	-1.12
13164	LA-Upland	37.22	120.72	-1.12
13165	LA-Upland	38.68	120.73	-1.12
13166	LA-Upland	40.36	120.74	-1.12
13167	LA-Upland	41.77	120.75	-1.12
13168	LA-Upland	42.77	120.76	-0.65
13169	LA-Upland	43.82	120.77	-0.65
13170	LA-Upland	44.45	120.79	-0.65
13171	LA-Upland	45.55	120.80	-0.65
13172	LA-Upland	46.90	120.81	-0.65
13173	LA-Upland	47.80	120.82	-0.65
13174	LA-Upland	48.23	120.84	-0.65
13175	LA-Upland	48.48	120.85	0.00
13176	LA-Upland	48.82	120.86	0.00
13177	LA-Upland	49.12	120.88	0.00
13178	LA-Upland	49.41	120.89	0.00
13179	LA-Upland	49.95	120.91	0.00
13180	LA-Upland	50.98	120.92	0.00
13181	LA-Upland	51.02	120.93	0.00
13182	LA-Upland	50.27	120.95	0.00

time (s)	route	speed (mph)	distance (mi)	grade (%)
13261	LA-Upland	68.17	122.43	-1.51
13262	LA-Upland	67.31	122.44	-1.51
13263	LA-Upland	66.57	122.46	-1.10
13264	LA-Upland	65.66	122.48	-1.10
13265	LA-Upland	64.88	122.50	-1.10
13266	LA-Upland	64.83	122.52	-1.10
13267	LA-Upland	64.87	122.53	-1.10
13268	LA-Upland	64.57	122.55	-0.84
13269	LA-Upland	63.74	122.57	-0.84
13270	LA-Upland	63.09	122.59	-0.84
13271	LA-Upland	62.50	122.60	-0.84
13272	LA-Upland	61.70	122.62	-0.84
13273	LA-Upland	61.20	122.64	-0.84
13274	LA-Upland	60.42	122.65	-1.57
13275	LA-Upland	59.66	122.67	-1.57
13276	LA-Upland	59.20	122.69	-1.57
13277	LA-Upland	59.16	122.70	-1.57
13278	LA-Upland	59.41	122.72	-1.57
13279	LA-Upland	59.40	122.74	-1.57
13280	LA-Upland	58.97	122.75	-0.53
13281	LA-Upland	58.58	122.77	-0.53
13282	LA-Upland	57.53	122.78	-0.53
13283	LA-Upland	55.92	122.80	-0.53
13284	LA-Upland	55.62	122.82	-0.53
13285	LA-Upland	55.32	122.83	-0.53
13286	LA-Upland	55.10	122.85	-0.53
13287	LA-Upland	55.07	122.86	-0.15
13288	LA-Upland	54.96	122.88	-0.15
13289	LA-Upland	54.92	122.89	-0.15
13290	LA-Upland	54.93	122.91	-0.15
13291	LA-Upland	54.99	122.92	-0.15
13292	LA-Upland	55.59	122.94	-0.15
13293	LA-Upland	55.35	122.95	-1.71
13294	LA-Upland	53.78	122.97	-1.71
13295	LA-Upland	50.00	122.98	-1.71
13296	LA-Upland	46.06	122.99	-1.71
13297	LA-Upland	42.70	123.00	-1.71
13298	LA-Upland	39.52	123.02	-1.71
13299	LA-Upland	36.81	123.03	-1.71
13300	LA-Upland	35.18	123.04	-1.71
13301	LA-Upland	34.36	123.04	-1.71
13302	LA-Upland	34.87	123.05	-1.38
13303	LA-Upland	36.45	123.06	-1.38
13304	LA-Upland	37.58	123.07	-1.38
13305	LA-Upland	36.88	123.08	-1.38
13306	LA-Upland	36.34	123.09	-1.38
13307	LA-Upland	36.94	123.11	-1.38
13308	LA-Upland	38.10	123.12	-1.38
13309	LA-Upland	39.74	123.13	-1.38
13310	LA-Upland	40.52	123.14	-1.38
13311	LA-Upland	40.41	123.15	-1.38
13312	LA-Upland	41.69	123.16	-2.07
13313	LA-Upland	43.21	123.17	-2.07
13314	LA-Upland	43.33	123.18	-2.07
13315	LA-Upland	43.28	123.20	-2.07
13316	LA-Upland	43.72	123.21	-2.07
13317	LA-Upland	43.74	123.22	-2.07
13318	LA-Upland	43.18	123.23	-2.07
13319	LA-Upland	41.78	123.24	-2.07
13320	LA-Upland	40.76	123.25	-1.96
13321	LA-Upland	41.49	123.27	-1.96
13322	LA-Upland	43.29	123.28	-1.96
13323	LA-Upland	45.09	123.29	-1.96
13324	LA-Upland	46.42	123.30	-1.96
13325	LA-Upland	47.17	123.32	-1.96
13326	LA-Upland	48.05	123.33	-1.96
13327	LA-Upland	48.43	123.34	-1.96
13328	LA-Upland	48.81	123.36	-2.21
13329	LA-Upland	49.37	123.37	-2.21
13330	LA-Upland	50.17	123.38	-2.21
13331	LA-Upland	51.17	123.40	-2.21
13332	LA-Upland	52.13	123.41	-2.21
13333	LA-Upland	54.07	123.43	-2.21
13334	LA-Upland	55.92	123.44	-2.21
13335	LA-Upland	57.10	123.46	-1.99
13336	LA-Upland	58.39	123.47	-1.99
13337	LA-Upland	59.62	123.49	-1.99
13338	LA-Upland	60.81	123.51	-1.99

time (s)	route	speed (mph)	distance (mi)	grade (%)
13183	LA-Upland	49.60	120.96	0.00
13184	LA-Upland	49.09	120.97	0.00
13185	LA-Upland	49.67	120.99	0.00
13186	LA-Upland	50.19	121.00	0.00
13187	LA-Upland	50.82	121.02	0.00
13188	LA-Upland	51.25	121.03	0.00
13189	LA-Upland	50.67	121.04	0.00
13190	LA-Upland	49.90	121.06	0.00
13191	LA-Upland	49.39	121.07	0.00
13192	LA-Upland	49.71	121.08	0.00
13193	LA-Upland	50.42	121.10	0.00
13194	LA-Upland	51.75	121.11	0.00
13195	LA-Upland	53.53	121.13	0.00
13196	LA-Upland	55.07	121.14	0.00
13197	LA-Upland	56.48	121.16	0.00
13198	LA-Upland	58.92	121.17	0.00
13199	LA-Upland	62.75	121.19	0.00
13200	LA-Upland	66.54	121.21	0.00
13201	LA-Upland	70.07	121.23	0.00
13202	LA-Upland	73.29	121.25	0.00
13203	LA-Upland	75.44	121.27	0.00
13204	LA-Upland	76.27	121.29	0.00
13205	LA-Upland	77.09	121.31	0.00
13206	LA-Upland	78.61	121.33	0.00
13207	LA-Upland	78.82	121.36	0.00
13208	LA-Upland	79.51	121.38	0.00
13209	LA-Upland	79.05	121.40	0.00
13210	LA-Upland	78.69	121.42	0.00
13211	LA-Upland	77.93	121.44	0.00
13212	LA-Upland	77.97	121.46	0.00
13213	LA-Upland	77.52	121.48	0.00
13214	LA-Upland	76.85	121.51	0.00
13215	LA-Upland	76.41	121.53	0.00
13216	LA-Upland	76.49	121.55	0.00
13217	LA-Upland	76.45	121.57	0.00
13218	LA-Upland	76.48	121.59	0.00
13219	LA-Upland	75.72	121.61	0.00
13220	LA-Upland	74.82	121.63	0.00
13221	LA-Upland	73.91	121.65	0.00
13222	LA-Upland	73.40	121.67	0.00
13223	LA-Upland	72.60	121.69	0.00
13224	LA-Upland	72.69	121.71	0.00
13225	LA-Upland	71.95	121.73	0.00
13226	LA-Upland	71.07	121.75	0.00
13227	LA-Upland	70.74	121.77	0.00
13228	LA-Upland	70.99	121.79	0.00
13229	LA-Upland	71.21	121.81	0.00
13230	LA-Upland	71.41	121.83	0.00
13231	LA-Upland	71.69	121.85	0.00
13232	LA-Upland	71.93	121.87	-0.54
13233	LA-Upland	72.03	121.89	-0.54
13234	LA-Upland	71.22	121.91	-0.54
13235	LA-Upland	70.51	121.93	-0.54
13236	LA-Upland	70.63	121.95	-0.54
13237	LA-Upland	70.75	121.97	-1.25
13238	LA-Upland	70.92	121.99	-1.25
13239	LA-Upland	71.16	122.01	-1.25
13240	LA-Upland	71.27	122.02	-1.25
13241	LA-Upland	71.16	122.04	-1.25
13242	LA-Upland	71.09	122.06	-0.92
13243	LA-Upland	70.43	122.08	-0.92
13244	LA-Upland	69.77	122.10	-0.92
13245	LA-Upland	69.62	122.12	-0.92
13246	LA-Upland	69.70	122.14	-0.92</

time (s)	route	speed (mph)	distance (mi)	grade (%)
13417	LA-Upland	0.00	123.98	-0.86
13418	LA-Upland	0.00	123.98	-0.86
13419	LA-Upland	0.00	123.98	-0.86
13420	LA-Upland	0.25	123.98	-0.86
13421	LA-Upland	4.24	123.98	-0.86
13422	LA-Upland	9.07	123.99	-0.86
13423	LA-Upland	12.33	123.99	-0.86
13424	LA-Upland	14.18	123.99	-0.86
13425	LA-Upland	14.44	124.00	-0.86
13426	LA-Upland	14.31	124.00	-0.86
13427	LA-Upland	14.00	124.01	-0.86
13428	LA-Upland	14.07	124.01	-0.86
13429	LA-Upland	14.86	124.01	-0.86
13430	LA-Upland	16.20	124.02	-0.86
13431	LA-Upland	18.50	124.02	-0.86
13432	LA-Upland	21.59	124.03	-0.86
13433	LA-Upland	24.75	124.04	-0.86
13434	LA-Upland	27.82	124.04	-0.86
13435	LA-Upland	30.20	124.05	-0.53
13436	LA-Upland	31.75	124.06	-0.53
13437	LA-Upland	33.23	124.07	-0.53
13438	LA-Upland	33.87	124.08	-0.53
13439	LA-Upland	33.46	124.09	-0.53
13440	LA-Upland	34.16	124.10	-0.53
13441	LA-Upland	35.29	124.11	-0.53
13442	LA-Upland	36.43	124.12	-0.53
13443	LA-Upland	37.67	124.13	-0.53
13444	LA-Upland	38.94	124.14	-0.53
13445	LA-Upland	41.07	124.15	-0.53
13446	LA-Upland	42.80	124.16	-0.51
13447	LA-Upland	43.91	124.17	-0.51
13448	LA-Upland	44.93	124.19	-0.51
13449	LA-Upland	45.82	124.20	-0.51
13450	LA-Upland	46.49	124.21	-0.51
13451	LA-Upland	46.78	124.22	-0.51
13452	LA-Upland	45.95	124.24	-0.51
13453	LA-Upland	44.80	124.25	-0.51
13454	LA-Upland	43.68	124.26	-0.49
13455	LA-Upland	42.17	124.27	-0.49
13456	LA-Upland	40.73	124.28	-0.49
13457	LA-Upland	39.75	124.29	-0.49
13458	LA-Upland	38.77	124.30	-0.49
13459	LA-Upland	37.85	124.32	-0.49
13460	LA-Upland	36.76	124.33	-0.49
13461	LA-Upland	35.67	124.34	-0.49
13462	LA-Upland	34.68	124.34	-0.49
13463	LA-Upland	34.10	124.35	0.38
13464	LA-Upland	34.15	124.36	0.38
13465	LA-Upland	35.05	124.37	0.38
13466	LA-Upland	35.13	124.38	0.38
13467	LA-Upland	34.09	124.39	0.38
13468	LA-Upland	33.06	124.40	0.38
13469	LA-Upland	31.05	124.41	0.38
13470	LA-Upland	28.08	124.42	0.38
13471	LA-Upland	25.32	124.42	0.38
13472	LA-Upland	24.80	124.43	0.38
13473	LA-Upland	24.16	124.44	0.38
13474	LA-Upland	23.03	124.44	0.38
13475	LA-Upland	21.70	124.45	1.47
13476	LA-Upland	20.32	124.46	1.47
13477	LA-Upland	18.39	124.46	1.47
13478	LA-Upland	17.48	124.47	1.47
13479	LA-Upland	16.44	124.47	1.47
13480	LA-Upland	14.97	124.47	1.47
13481	LA-Upland	13.32	124.48	1.47
13482	LA-Upland	11.48	124.48	1.47
13483	LA-Upland	9.13	124.48	1.47
13484	LA-Upland	5.83	124.49	1.47
13485	LA-Upland	3.42	124.49	1.47
13486	LA-Upland	1.67	124.49	1.47
13487	LA-Upland	1.35	124.49	1.47
13488	LA-Upland	1.56	124.49	1.47
13489	LA-Upland	1.09	124.49	1.47
13490	LA-Upland	0.00	124.49	1.47
13491	LA-Upland	0.00	124.49	1.47
13492	LA-Upland	0.00	124.49	1.47
13493	LA-Upland	0.00	124.49	1.47
13494	LA-Upland	0.00	124.49	1.47

time (s)	route	speed (mph)	distance (mi)	grade (%)
13573	LA-Upland	44.37	124.72	1.23
13574	LA-Upland	44.98	124.73	1.23
13575	LA-Upland	45.49	124.74	1.23
13576	LA-Upland	45.95	124.76	1.16
13577	LA-Upland	45.83	124.77	1.16
13578	LA-Upland	45.57	124.78	1.16
13579	LA-Upland	45.03	124.79	1.16
13580	LA-Upland	43.99	124.80	1.16
13581	LA-Upland	43.03	124.82	1.16
13582	LA-Upland	43.36	124.83	1.16
13583	LA-Upland	44.08	124.84	1.16
13584	LA-Upland	44.50	124.85	1.42
13585	LA-Upland	44.81	124.87	1.42
13586	LA-Upland	44.80	124.88	1.42
13587	LA-Upland	45.42	124.89	1.42
13588	LA-Upland	45.20	124.90	1.42
13589	LA-Upland	45.13	124.91	1.42
13590	LA-Upland	44.54	124.93	1.42
13591	LA-Upland	43.45	124.94	1.42
13592	LA-Upland	42.49	124.95	1.27
13593	LA-Upland	42.63	124.96	1.27
13594	LA-Upland	43.40	124.97	1.27
13595	LA-Upland	44.39	124.99	1.27
13596	LA-Upland	44.24	125.00	1.27
13597	LA-Upland	44.92	125.01	1.27
13598	LA-Upland	45.03	125.02	1.27
13599	LA-Upland	45.37	125.04	1.27
13600	LA-Upland	44.84	125.05	1.27
13601	LA-Upland	45.52	125.06	1.04
13602	LA-Upland	46.37	125.07	1.04
13603	LA-Upland	47.44	125.09	1.04
13604	LA-Upland	47.46	125.10	1.04
13605	LA-Upland	46.44	125.11	1.04
13606	LA-Upland	46.43	125.13	1.04
13607	LA-Upland	46.92	125.14	1.04
13608	LA-Upland	47.19	125.15	1.60
13609	LA-Upland	47.22	125.16	1.60
13610	LA-Upland	47.06	125.18	1.60
13611	LA-Upland	46.96	125.19	1.60
13612	LA-Upland	47.46	125.20	1.60
13613	LA-Upland	47.94	125.22	1.60
13614	LA-Upland	47.28	125.23	1.60
13615	LA-Upland	46.27	125.24	1.60
13616	LA-Upland	46.40	125.25	1.11
13617	LA-Upland	46.89	125.27	1.11
13618	LA-Upland	47.24	125.28	1.11
13619	LA-Upland	47.17	125.29	1.11
13620	LA-Upland	46.81	125.31	1.11
13621	LA-Upland	45.69	125.32	1.11
13622	LA-Upland	45.66	125.33	1.11
13623	LA-Upland	46.45	125.34	1.11
13624	LA-Upland	47.43	125.36	1.54
13625	LA-Upland	48.21	125.37	1.54
13626	LA-Upland	48.22	125.38	1.54
13627	LA-Upland	48.07	125.40	1.54
13628	LA-Upland	47.93	125.41	1.54
13629	LA-Upland	47.20	125.42	1.54
13630	LA-Upland	46.34	125.44	1.54
13631	LA-Upland	45.02	125.45	1.54
13632	LA-Upland	44.04	125.46	1.80
13633	LA-Upland	43.99	125.47	1.80
13634	LA-Upland	44.28	125.48	1.80
13635	LA-Upland	44.72	125.50	1.80
13636	LA-Upland	44.80	125.51	1.80
13637	LA-Upland	44.15	125.52	1.80
13638	LA-Upland	43.27	125.53	1.80
13639	LA-Upland	42.20	125.54	1.80
13640	LA-Upland	41.26	125.56	1.68
13641	LA-Upland	39.42	125.57	1.68
13642	LA-Upland	37.55	125.58	1.68
13643	LA-Upland	36.70	125.59	1.68
13644	LA-Upland	36.97	125.60	1.68
13645	LA-Upland	37.03	125.61	1.68
13646	LA-Upland	36.22	125.62	1.68
13647	LA-Upland	35.22	125.63	1.68
13648	LA-Upland	34.26	125.64	1.68
13649	LA-Upland	34.09	125.65	1.68
13650	LA-Upland	34.03	125.66	1.93

time (s)	route	speed (mph)	distance (mi)	grade (%)
13495	LA-Upland	0.14	124.49	1.47
13496	LA-Upland	0.00	124.49	1.47
13497	LA-Upland	0.00	124.49	1.47
13498	LA-Upland	0.00	124.49	1.47
13499	LA-Upland	0.00	124.49	1.47
13500	LA-Upland	0.00	124.49	1.47
13501	LA-Upland	0.00	124.49	1.47
13502	LA-Upland	0.00	124.49	1.47
13503	LA-Upland	0.00	124.49	1.47
13504	LA-Upland	0.00	124.49	1.47
13505	LA-Upland	0.00	124.49	1.47
13506	LA-Upland	0.00	124.49	1.47
13507	LA-Upland	0.00	124.49	1.47
13508	LA-Upland	0.00	124.49	1.47
13509	LA-Upland	0.00	124.49	1.47
13510	LA-Upland	0.00	124.49	1.47
13511	LA-Upland	0.00	124.49	1.47
13512	LA-Upland	0.00	124.49	1.47
13513	LA-Upland	0.00	124.49	1.47
13514	LA-Upland	0.00	124.49	1.47
13515	LA-Upland	0.00	124.49	1.47
13516	LA-Upland	0.00	124.49	1.47
13517	LA-Upland	0.00	124.49	1.47
13518	LA-Upland	0.00	124.49	1.47
13519	LA-Upland	0.00	124.49	1.47
13520	LA-Upland	0.00	124.49	1.47
13521	LA-Upland	0.00	124.49	1.47
13522	LA-Upland	0.00	124.49	1.47
13523	LA-Upland	0.00	124.49	1.47
13524	LA-Upland	0.00	124.49	1.47
13525	LA-Upland	0.00	124.49	1.47
13526	LA-Upland	0.00	124.49	1.47
13527	LA-Upland	0.00	124.49	1.47
13528	LA-Upland	0.00	124.49	1.47
13529	LA-Upland	0.00	124.49	1.47
13530	LA-Upland	0.00	124.49	1.47
13531	LA-Upland	0.00	124.49	1.47
13532	LA-Upland	0.00	124.49	1.47
13533	LA-Upland	0.00	124.49	1.47
13534	LA-Upland	0.00	124.49	1.47
13535	LA-Upland	0.00	124.49	1.47
13536	LA-Upland	0.00	124.49	1.47
13537	LA-Upland	0.00	124.49	1.47
13538	LA-Upland	0.00	124.49	1.47
13539	LA-Upland	0.00	124.49	1.47
13540	LA-Upland	0.00	124.49	1.47
13541	LA-Upland	0.00	124.49	1.47
13542	LA-Upland	0.00	124.49	1.47
13543	LA-Upland	0.00	124.49	1.47
13544	LA-Upland	0.00	124.49	1.47
13545	LA-Upland	0.00	124.49	1.47
13546	LA-Upland	0.00	124.49	1.47
13547	LA-Upland	3.66	124.49	1.47
13548	LA-Upland	9.27	124.49	1.47
13549	LA-Upland	13.49	124.50	1.47
13550	LA-Upland	16.50	124.50	1.47
13551	LA-Upland	19.28	124.50	1.47
13552	LA-Upland	22.55	124.51	1.47
13553	LA-Upland	24.79	124.52	1.47
13554	LA-Upland	24.67	124.52	1.47
13555	LA-Upland	24.80	124.53	1.47
13556	LA-Upland	27.19	124.54	1.47
13557	LA-Upland	30.43	124.55	1.47
13558	LA-Upland	32.67	124.56	1.60
13559	LA-Upland	34.23	124.57	1.60
13560				

time (s)	route	speed (mph)	distance (mi)	grade (%)
13729	LA-Upland	0.00	126.01	2.14
13730	LA-Upland	0.00	126.01	2.14
13731	LA-Upland	0.00	126.01	2.14
13732	LA-Upland	0.00	126.01	2.14
13733	LA-Upland	0.00	126.01	2.14
13734	LA-Upland	0.00	126.01	2.14
13735	LA-Upland	0.00	126.01	2.14
13736	LA-Upland	0.00	126.01	2.14
13737	LA-Upland	0.00	126.01	2.14
13738	LA-Upland	0.00	126.01	2.14
13739	LA-Upland	0.00	126.01	2.14
13740	LA-Upland	0.00	126.01	2.14
13741	LA-Upland	0.00	126.01	2.14
13742	LA-Upland	0.00	126.01	2.14
13743	LA-Upland	0.00	126.01	2.14
13744	LA-Upland	0.00	126.01	2.14
13745	LA-Upland	0.00	126.01	2.14
13746	LA-Upland	0.00	126.01	2.14
13747	LA-Upland	0.00	126.01	2.14
13748	LA-Upland	0.00	126.01	2.14
13749	LA-Upland	0.00	126.01	2.14
13750	LA-Upland	0.00	126.01	2.14
13751	LA-Upland	0.00	126.01	2.14
13752	LA-Upland	0.00	126.01	2.14
13753	LA-Upland	0.00	126.01	2.14
13754	LA-Upland	0.00	126.01	2.14
13755	LA-Upland	0.00	126.01	2.14
13756	LA-Upland	0.00	126.01	2.14
13757	LA-Upland	0.00	126.01	2.14
13758	LA-Upland	0.00	126.01	2.14
13759	LA-Upland	1.06	126.01	2.14
13760	LA-Upland	5.09	126.01	2.14
13761	LA-Upland	9.61	126.02	2.14
13762	LA-Upland	13.83	126.02	2.14
13763	LA-Upland	17.44	126.03	2.14
13764	LA-Upland	20.85	126.03	2.14
13765	LA-Upland	24.22	126.04	2.14
13766	LA-Upland	27.50	126.04	2.14
13767	LA-Upland	30.22	126.05	2.38
13768	LA-Upland	32.40	126.06	2.38
13769	LA-Upland	34.40	126.07	2.38
13770	LA-Upland	35.72	126.08	2.38
13771	LA-Upland	37.57	126.09	2.38
13772	LA-Upland	38.94	126.10	2.38
13773	LA-Upland	39.91	126.11	2.38
13774	LA-Upland	40.43	126.12	2.38
13775	LA-Upland	41.33	126.14	2.38
13776	LA-Upland	42.31	126.15	2.38
13777	LA-Upland	44.07	126.16	2.52
13778	LA-Upland	45.03	126.17	2.52
13779	LA-Upland	45.83	126.18	2.52
13780	LA-Upland	46.49	126.20	2.52
13781	LA-Upland	47.25	126.21	2.52
13782	LA-Upland	48.09	126.22	2.52
13783	LA-Upland	48.22	126.24	2.52
13784	LA-Upland	48.04	126.25	2.21
13785	LA-Upland	47.12	126.26	2.21
13786	LA-Upland	46.38	126.28	2.21
13787	LA-Upland	46.94	126.29	2.21
13788	LA-Upland	46.81	126.30	2.21
13789	LA-Upland	46.77	126.31	2.21
13790	LA-Upland	46.74	126.33	2.21
13791	LA-Upland	46.73	126.34	2.21
13792	LA-Upland	46.75	126.35	2.37
13793	LA-Upland	46.57	126.37	2.37
13794	LA-Upland	46.55	126.38	2.37
13795	LA-Upland	46.10	126.39	2.37
13796	LA-Upland	45.68	126.40	2.37
13797	LA-Upland	44.59	126.42	2.37
13798	LA-Upland	43.78	126.43	2.37
13799	LA-Upland	42.15	126.44	2.37
13800	LA-Upland	40.25	126.45	2.29
13801	LA-Upland	38.82	126.46	2.29
13802	LA-Upland	37.67	126.47	2.29
13803	LA-Upland	36.47	126.48	2.29
13804	LA-Upland	34.28	126.49	2.29
13805	LA-Upland	31.53	126.50	2.29
13806	LA-Upland	28.04	126.51	2.29

time (s)	route	speed (mph)	distance (mi)	grade (%)
13885	LA-Upland	49.43	126.81	0.27
13886	LA-Upland	50.02	126.82	0.27
13887	LA-Upland	50.86	126.84	0.27
13888	LA-Upland	51.59	126.85	0.55
13889	LA-Upland	52.25	126.87	0.55
13890	LA-Upland	52.13	126.88	0.55
13891	LA-Upland	51.33	126.89	0.55
13892	LA-Upland	52.03	126.91	0.55
13893	LA-Upland	52.57	126.92	0.55
13894	LA-Upland	52.97	126.94	0.55
13895	LA-Upland	53.14	126.95	-0.24
13896	LA-Upland	52.73	126.97	-0.24
13897	LA-Upland	52.07	126.98	-0.24
13898	LA-Upland	52.28	127.00	-0.24
13899	LA-Upland	52.49	127.01	-0.24
13900	LA-Upland	52.57	127.02	-0.24
13901	LA-Upland	52.64	127.04	-0.24
13902	LA-Upland	52.61	127.05	-0.36
13903	LA-Upland	52.80	127.07	-0.36
13904	LA-Upland	53.22	127.08	-0.36
13905	LA-Upland	53.69	127.10	-0.36
13906	LA-Upland	54.12	127.11	-0.36
13907	LA-Upland	54.53	127.13	-0.36
13908	LA-Upland	54.74	127.14	-0.36
13909	LA-Upland	54.34	127.16	1.02
13910	LA-Upland	52.99	127.17	1.02
13911	LA-Upland	51.47	127.19	1.02
13912	LA-Upland	49.86	127.20	1.02
13913	LA-Upland	47.74	127.21	1.02
13914	LA-Upland	44.33	127.22	1.02
13915	LA-Upland	40.13	127.24	1.02
13916	LA-Upland	35.81	127.25	1.02
13917	LA-Upland	31.74	127.25	0.73
13918	LA-Upland	28.40	127.26	0.73
13919	LA-Upland	25.21	127.27	0.73
13920	LA-Upland	22.00	127.28	0.73
13921	LA-Upland	18.84	127.28	0.73
13922	LA-Upland	14.81	127.28	0.73
13923	LA-Upland	11.03	127.29	0.73
13924	LA-Upland	7.29	127.29	0.73
13925	LA-Upland	3.83	127.29	0.73
13926	LA-Upland	1.67	127.29	0.73
13927	LA-Upland	0.17	127.29	0.73
13928	LA-Upland	0.00	127.29	0.73
13929	LA-Upland	0.00	127.29	0.73
13930	LA-Upland	0.00	127.29	0.73
13931	LA-Upland	0.00	127.29	0.73
13932	LA-Upland	0.00	127.29	0.73
13933	LA-Upland	0.00	127.29	0.73
13934	LA-Upland	0.00	127.29	0.73
13935	LA-Upland	0.00	127.29	0.73
13936	LA-Upland	0.00	127.29	0.73
13937	LA-Upland	0.00	127.29	0.73
13938	LA-Upland	0.00	127.29	0.73
13939	LA-Upland	0.00	127.29	0.73
13940	LA-Upland	0.00	127.29	0.73
13941	LA-Upland	0.00	127.29	0.73
13942	LA-Upland	0.00	127.29	0.73
13943	LA-Upland	0.00	127.29	0.73
13944	LA-Upland	0.00	127.29	0.73
13945	LA-Upland	0.00	127.29	0.73
13946	LA-Upland	0.00	127.29	0.73
13947	LA-Upland	0.00	127.29	0.73
13948	LA-Upland	0.00	127.29	0.73
13949	LA-Upland	0.00	127.29	0.73
13950	LA-Upland	0.00	127.29	0.73
13951	LA-Upland	0.00	127.29	0.73
13952	LA-Upland	0.00	127.29	0.73
13953	LA-Upland	2.10	127.29	0.73
13954	LA-Upland	8.58	127.29	0.73
13955	LA-Upland	14.60	127.30	0.73
13956	LA-Upland	18.83	127.30	0.73
13957	LA-Upland	22.73	127.31	0.73
13958	LA-Upland	25.89	127.32	0.73
13959	LA-Upland	28.62	127.32	0.73
13960	LA-Upland	29.73	127.33	0.73
13961	LA-Upland	31.78	127.34	0.73
13962	LA-Upland	33.47	127.35	3.00

time (s)	route	speed (mph)	distance (mi)	grade (%)
13807	LA-Upland	24.43	126.51	2.29
13808	LA-Upland	20.43	126.52	2.29
13809	LA-Upland	15.98	126.52	2.29
13810	LA-Upland	10.71	126.53	2.29
13811	LA-Upland	5.41	126.53	2.29
13812	LA-Upland	1.51	126.53	2.29
13813	LA-Upland	0.00	126.53	2.29
13814	LA-Upland	0.00	126.53	2.29
13815	LA-Upland	0.00	126.53	2.29
13816	LA-Upland	0.00	126.53	2.29
13817	LA-Upland	0.00	126.53	2.29
13818	LA-Upland	0.00	126.53	2.29
13819	LA-Upland	0.00	126.53	2.29
13820	LA-Upland	0.00	126.53	2.29
13821	LA-Upland	0.00	126.53	2.29
13822	LA-Upland	0.00	126.53	2.29
13823	LA-Upland	0.00	126.53	2.29
13824	LA-Upland	0.00	126.53	2.29
13825	LA-Upland	0.00	126.53	2.29
13826	LA-Upland	0.00	126.53	2.29
13827	LA-Upland	0.00	126.53	2.29
13828	LA-Upland	0.00	126.53	2.29
13829	LA-Upland	0.00	126.53	2.29
13830	LA-Upland	0.00	126.53	2.29
13831	LA-Upland	0.00	126.53	2.29
13832	LA-Upland	0.00	126.53	2.29
13833	LA-Upland	0.00	126.53	2.29
13834	LA-Upland	0.00	126.53	2.29
13835	LA-Upland	0.00	126.53	2.29
13836	LA-Upland	0.00	126.53	2.29
13837	LA-Upland	0.00	126.53	2.29
13838	LA-Upland	0.00	126.53	2.29
13839	LA-Upland	0.00	126.53	2.29
13840	LA-Upland	0.00	126.53	2.29
13841	LA-Upland	0.00	126.53	2.29
13842	LA-Upland	0.00	126.53	2.29
13843	LA-Upland	0.00	126.53	2.29
13844	LA-Upland	0.00	126.53	2.29
13845	LA-Upland	0.00	126.53	2.29
13846	LA-Upland	0.00	126.53	2.29
13847	LA-Upland	0.00	126.53	2.29
13848	LA-Upland	0.00	126.53	2.29
13849	LA-Upland	0.00	126.53	2.29
13850	LA-Upland	0.00	126.53	2.29
13851	LA-Upland	0.00	126.53	2.29
13852	LA-Upland	0.00	126.53	2.29
13853	LA-Upland	0.00	126.53	2.29
13854	LA-Upland	0.00	126.53	2.29
13855	LA-Upland	0.00	126.53	2.29
13856	LA-Upland	0.00	126.53	2.29
13857	LA-Upland	0.00	126.53	2.29
13858	LA-Upland	1.48	126.54	2.29
13859	LA-Upland	7.64	126.54	2.29
13860	LA-Upland	13.75	126.54	2.29
13861	LA-Upland	16.75	126.54	2.29
13862	LA-Upland	18.48	126.55	2.81
13863	LA-Upland	19.57	126.55	2.81
13864	LA-Upland	21.31	126.56	2.81
13865	LA-Upland	24.14	126.56	2.81
13866	LA-Upland	27.79	126.57	2.81
13867	LA-Upland	31.42	126.58	2.81
13868	LA-Upland	34.87	126.59	2.81
13869	LA-Upland	38.06	126.60	2.81
13870	LA-Upland	41.10	126.61	2.81
13871	LA-Upland	43.44	126.62	2.81
13872	LA-Upland	45.41	126.64	2.81

time (s)	route	speed (mph)	distance (mi)	grade (%)
14041	LA-Upland	38.35	128.03	0.19
14042	LA-Upland	38.12	128.04	0.19
14043	LA-Upland	38.46	128.05	0.19
14044	LA-Upland	38.78	128.06	1.18
14045	LA-Upland	38.08	128.07	1.18
14046	LA-Upland	38.54	128.08	1.18
14047	LA-Upland	39.12	128.09	1.18
14048	LA-Upland	39.02	128.10	1.18
14049	LA-Upland	38.77	128.11	1.18
14050	LA-Upland	39.08	128.12	1.18
14051	LA-Upland	39.52	128.13	1.18
14052	LA-Upland	39.40	128.14	1.18
14053	LA-Upland	38.95	128.16	0.78
14054	LA-Upland	38.91	128.17	0.78
14055	LA-Upland	39.31	128.18	0.78
14056	LA-Upland	39.34	128.19	0.78
14057	LA-Upland	38.50	128.20	0.78
14058	LA-Upland	37.67	128.21	0.78
14059	LA-Upland	36.82	128.22	0.78
14060	LA-Upland	34.76	128.23	0.78
14061	LA-Upland	22.25	128.24	0.78
14062	LA-Upland	31.31	128.25	0.78
14063	LA-Upland	30.55	128.25	0.51
14064	LA-Upland	29.95	128.26	0.51
14065	LA-Upland	29.49	128.27	0.51
14066	LA-Upland	28.67	128.28	0.51
14067	LA-Upland	27.02	128.29	0.51
14068	LA-Upland	25.05	128.29	0.51
14069	LA-Upland	22.84	128.30	0.51
14070	LA-Upland	20.16	128.30	0.51
14071	LA-Upland	17.14	128.31	0.51
14072	LA-Upland	13.70	128.31	0.51
14073	LA-Upland	10.55	128.32	0.51
14074	LA-Upland	6.99	128.32	0.51
14075	LA-Upland	3.78	128.32	0.51
14076	LA-Upland	1.44	128.32	0.51
14077	LA-Upland	0.00	128.32	0.51
14078	LA-Upland	0.00	128.32	0.51
14079	LA-Upland	0.00	128.32	0.51
14080	LA-Upland	0.00	128.32	0.51
14081	LA-Upland	0.00	128.32	0.51
14082	LA-Upland	0.00	128.32	0.51
14083	LA-Upland	0.00	128.32	0.51
14084	LA-Upland	0.00	128.32	0.51
14085	LA-Upland	0.00	128.32	0.51
14086	LA-Upland	0.00	128.32	0.51
14087	LA-Upland	0.00	128.32	0.51
14088	LA-Upland	0.00	128.32	0.51
14089	LA-Upland	0.00	128.32	0.51
14090	LA-Upland	0.00	128.32	0.51
14091	LA-Upland	0.00	128.32	0.51
14092	LA-Upland	0.00	128.32	0.51
14093	LA-Upland	0.00	128.32	0.51
14094	LA-Upland	0.00	128.32	0.51
14095	LA-Upland	0.00	128.32	0.51
14096	LA-Upland	0.00	128.32	0.51
14097	LA-Upland	0.00	128.32	0.51
14098	LA-Upland	0.00	128.32	0.51
14099	LA-Upland	0.00	128.32	0.51
14100	LA-Upland	0.00	128.32	0.51
14101	LA-Upland	0.00	128.32	0.51
14102	LA-Upland	0.00	128.32	0.51
14103	LA-Upland	0.00	128.32	0.51
14104	LA-Upland	0.00	128.32	0.51
14105	LA-Upland	0.00	128.32	0.51
14106	LA-Upland	0.00	128.32	0.51
14107	LA-Upland	0.00	128.32	0.51
14108	LA-Upland	0.00	128.32	0.51
14109	LA-Upland	0.00	128.32	0.51
14110	LA-Upland	0.00	128.32	0.51
14111	LA-Upland	0.00	128.32	0.51
14112	LA-Upland	0.00	128.32	0.51
14113	LA-Upland	0.00	128.32	0.51
14114	LA-Upland	0.00	128.32	0.51
14115	LA-Upland	0.00	128.32	0.51
14116	LA-Upland	0.00	128.32	0.51
14117	LA-Upland	0.00	128.32	0.51
14118	LA-Upland	0.00	128.32	0.51

time (s)	route	speed (mph)	distance (mi)	grade (%)
14197	LA-Upland	29.67	128.51	0.58
14198	LA-Upland	31.60	128.52	0.58
14199	LA-Upland	32.82	128.52	0.58
14200	LA-Upland	33.16	128.53	0.58
14201	LA-Upland	33.91	128.54	0.58
14202	LA-Upland	35.19	128.55	0.31
14203	LA-Upland	36.00	128.56	0.31
14204	LA-Upland	35.85	128.57	0.31
14205	LA-Upland	35.32	128.58	0.31
14206	LA-Upland	34.86	128.59	0.31
14207	LA-Upland	34.63	128.60	0.31
14208	LA-Upland	34.01	128.61	0.31
14209	LA-Upland	34.67	128.62	0.31
14210	LA-Upland	35.38	128.63	0.31
14211	LA-Upland	36.43	128.64	0.31
14212	LA-Upland	37.62	128.65	0.31
14213	LA-Upland	39.28	128.66	0.38
14214	LA-Upland	40.75	128.67	0.38
14215	LA-Upland	41.49	128.68	0.38
14216	LA-Upland	41.38	128.69	0.38
14217	LA-Upland	40.85	128.71	0.38
14218	LA-Upland	41.38	128.72	0.38
14219	LA-Upland	40.99	128.73	0.38
14220	LA-Upland	40.91	128.74	0.38
14221	LA-Upland	39.13	128.75	0.20
14222	LA-Upland	38.77	128.76	0.20
14223	LA-Upland	39.15	128.77	0.20
14224	LA-Upland	38.50	128.78	0.20
14225	LA-Upland	37.47	128.79	0.20
14226	LA-Upland	35.48	128.80	0.20
14227	LA-Upland	32.60	128.81	0.20
14228	LA-Upland	29.45	128.82	0.20
14229	LA-Upland	26.48	128.83	0.20
14230	LA-Upland	23.32	128.83	0.20
14231	LA-Upland	20.71	128.84	0.20
14232	LA-Upland	18.00	128.84	0.20
14233	LA-Upland	16.50	128.85	0.20
14234	LA-Upland	15.11	128.86	0.59
14235	LA-Upland	13.15	128.86	0.59
14236	LA-Upland	10.75	128.86	0.59
14237	LA-Upland	8.35	128.86	0.59
14238	LA-Upland	5.73	128.86	0.59
14239	LA-Upland	4.33	128.86	0.59
14240	LA-Upland	3.27	128.86	0.59
14241	LA-Upland	2.36	128.87	0.59
14242	LA-Upland	1.79	128.87	0.59
14243	LA-Upland	0.57	128.87	0.59
14244	LA-Upland	0.00	128.87	0.59
14245	LA-Upland	0.00	128.87	0.59
14246	LA-Upland	0.00	128.87	0.59
14247	LA-Upland	0.00	128.87	0.59
14248	LA-Upland	0.00	128.87	0.59
14249	LA-Upland	0.00	128.87	0.59
14250	LA-Upland	0.00	128.87	0.59
14251	LA-Upland	0.00	128.87	0.59
14252	LA-Upland	0.00	128.87	0.59
14253	LA-Upland	0.00	128.87	0.59
14254	LA-Upland	0.00	128.87	0.59
14255	LA-Upland	0.00	128.87	0.59
14256	LA-Upland	0.00	128.87	0.59
14257	LA-Upland	1.95	128.87	0.59
14258	LA-Upland	7.42	128.87	0.59
14259	LA-Upland	13.17	128.87	0.59
14260	LA-Upland	17.27	128.88	0.59
14261	LA-Upland	20.84	128.88	0.59
14262	LA-Upland	24.00	128.89	0.59
14263	LA-Upland	26.86	128.90	0.59
14264	LA-Upland	29.43	128.90	0.59
14265	LA-Upland	31.95	128.91	0.59
14266	LA-Upland	33.87	128.92	0.59
14267	LA-Upland	34.98	128.93	0.59
14268	LA-Upland	34.73	128.94	0.59
14269	LA-Upland	35.12	128.95	0.48
14270	LA-Upland	35.01	128.96	0.48
14271	LA-Upland	34.10	128.97	0.48
14272	LA-Upland	34.10	128.97	0.48
14273	LA-Upland	34.10	128.97	0.48
14274	LA-Upland	34.10	128.98	0.48

time (s)	route	speed (mph)	distance (mi)	grade (%)
14119	LA-Upland	0.00	128.32	0.51
14120	LA-Upland	0.00	128.32	0.51
14121	LA-Upland	0.00	128.32	0.51
14122	LA-Upland	0.00	128.32	0.51
14123	LA-Upland	0.00	128.32	0.51
14124	LA-Upland	0.00	128.32	0.51
14125	LA-Upland	0.00	128.32	0.51
14126	LA-Upland	0.00	128.32	0.51
14127	LA-Upland	0.00	128.32	0.51
14128	LA-Upland	0.00	128.32	0.51
14129	LA-Upland	0.00	128.32	0.51
14130	LA-Upland	0.00	128.32	0.51
14131	LA-Upland	0.00	128.32	0.51
14132	LA-Upland	0.00	128.32	0.51
14133	LA-Upland	0.00	128.32	0.51
14134	LA-Upland	0.00	128.32	0.51
14135	LA-Upland	0.00	128.32	0.51
14136	LA-Upland	0.00	128.32	0.51
14137	LA-Upland	0.00	128.32	0.51
14138	LA-Upland	1.32	128.32	0.51
14139	LA-Upland	6.61	128.32	0.51
14140	LA-Upland	11.30	128.32	0.51
14141	LA-Upland	14.52	128.33	0.51
14142	LA-Upland	17.14	128.33	0.51
14143	LA-Upland	19.67	128.34	0.51
14144	LA-Upland	22.21	128.34	0.51
14145	LA-Upland	24.53	128.35	0.35
14146	LA-Upland	26.60	128.36	0.35
14147	LA-Upland	28.21	128.37	0.35
14148	LA-Upland	29.55	128.37	0.35
14149	LA-Upland	31.15	128.38	0.35
14150	LA-Upland	32.62	128.39	0.35
14151	LA-Upland	32.15	128.40	0.35
14152	LA-Upland	30.30	128.41	0.35
14153	LA-Upland	27.58	128.42	0.35
14154	LA-Upland	25.14	128.42	0.35
14155	LA-Upland	23.19	128.43	0.35
14156	LA-Upland	21.34	128.44	0.35
14157	LA-Upland	19.31	128.44	0.35
14158	LA-Upland	17.07	128.45	0.35
14159	LA-Upland	14.55	128.45	0.35
14160	LA-Upland	11.70	128.45	0.58
14161	LA-Upland	9.40	128.46	0.58
14162	LA-Upland	7.31	128.46	0.58
14163	LA-Upland	6.03	128.46	0.58
14164	LA-Upland	5.77	128.46	0.58
14165	LA-Upland	5.35	128.46	0.58
14166	LA-Upland	4.41	128.46	0.58
14167	LA-Upland	3.25	128.46	0.58
14168	LA-Upland	1.61	128.46	0.58
14169	LA-Upland	0.00	128.46	0.58
14170	LA-Upland	0.00	128.46	0.58
14171	LA-Upland	0.00	128.46	0.58
14172	LA-Upland	0.00	128.46	0.58
14173	LA-Upland	0.00	128.46	0.58
14174	LA-Upland	0.00	128.46	0.58
14175	LA-Upland	0.00	128.46	0.58
14176	LA-Upland	0.00	128.46	0.58
14177	LA-Upland	0.00	128.46	0.58
14178	LA-Upland	0.00	128.46	0.58
14179	LA-Upland	0.00	128.46	0.58
14180	LA-Upland	0.00	128.46	0.58
14181	LA-Upland	0.00	128.46	0.58
14182	LA-Upland	0.00	128.46	0.58
14183	LA-Upland	0.00	128.46	0.58
14184	LA-Upland	0.00	128.46	0.58

time (s)	route	speed (mph)	distance (mi)	grade (%)
14353	LA-Upland	0.00	129.43	0.32
14354	LA-Upland	0.00	129.43	0.32
14355	LA-Upland	0.00	129.43	0.32
14356	LA-Upland	0.00	129.43	0.32
14357	LA-Upland	0.00	129.43	0.32
14358	LA-Upland	0.00	129.43	0.32
14359	LA-Upland	0.00	129.43	0.32
14360	LA-Upland	0.00	129.43	0.32
14361	LA-Upland	0.00	129.43	0.32
14362	LA-Upland	0.00	129.43	0.32
14363	LA-Upland	0.00	129.43	0.32
14364	LA-Upland	0.00	129.43	0.32
14365	LA-Upland	0.00	129.43	0.32
14366	LA-Upland	0.00	129.43	0.32
14367	LA-Upland	0.00	129.43	0.32
14368	LA-Upland	0.00	129.43	0.32
14369	LA-Upland	0.00	129.43	0.32
14370	LA-Upland	0.00	129.43	0.32
14371	LA-Upland	0.00	129.43	0.32
14372	LA-Upland	0.00	129.43	0.32
14373	LA-Upland	0.00	129.43	0.32
14374	LA-Upland	0.00	129.43	0.32
14375	LA-Upland	0.00	129.43	0.32
14376	LA-Upland	0.00	129.43	0.32
14377	LA-Upland	0.00	129.43	0.32
14378	LA-Upland	0.00	129.43	0.32
14379	LA-Upland	0.00	129.43	0.32
14380	LA-Upland	0.00	129.43	0.32
14381	LA-Upland	0.00	129.43	0.32
14382	LA-Upland	0.00	129.43	0.32
14383	LA-Upland	0.00	129.43	0.32
14384	LA-Upland	0.00	129.43	0.32
14385	LA-Upland	0.00	129.43	0.32
14386	LA-Upland	0.00	129.43	0.32
14387	LA-Upland	0.00	129.43	0.32
14388	LA-Upland	0.00	129.43	0.32
14389	LA-Upland	0.00	129.43	0.32
14390	LA-Upland	0.00	129.43	0.32
14391	LA-Upland	0.00	129.43	0.32
14392	LA-Upland	0.00	129.43	0.32
14393	LA-Upland	0.00	129.43	0.32
14394	LA-Upland	0.00	129.43	0.32
14395	LA-Upland	0.14	129.43	0.32
14396	LA-Upland	3.13	129.43	0.32
14397	LA-Upland	8.39	129.43	0.32
14398	LA-Upland	13.26	129.43	0.32
14399	LA-Upland	16.73	129.44	0.32
14400	LA-Upland	19.24	129.44	0.32
14401	LA-Upland	20.95	129.45	0.32
14402	LA-Upland	22.91	129.46	0.43
14403	LA-Upland	25.40	129.46	0.43
14404	LA-Upland	27.80	129.47	0.43
14405	LA-Upland	29.42	129.48	0.43
14406	LA-Upland	30.34	129.49	0.43
14407	LA-Upland	29.62	129.50	0.43
14408	LA-Upland	28.85	129.50	0.43
14409	LA-Upland	28.31	129.51	0.43
14410	LA-Upland	28.25	129.52	0.43
14411	LA-Upland	27.55	129.53	0.43
14412	LA-Upland	28.50	129.53	0.43
14413	LA-Upland	30.11	129.54	0.43
14414	LA-Upland	31.75	129.55	0.80
14415	LA-Upland	32.75	129.56	0.80
14416	LA-Upland	32.78	129.57	0.80
14417	LA-Upland	31.56	129.58	0.80
14418	LA-Upland	31.84	129.59	0.80
14419	LA-Upland	32.99	129.60	0.80
14420	LA-Upland	32.83	129.60	0.80
14421	LA-Upland	32.10	129.61	0.80
14422	LA-Upland	31.29	129.62	0.80
14423	LA-Upland	30.06	129.63	0.80
14424	LA-Upland	27.82	129.64	0.80
14425	LA-Upland	24.60	129.64	0.80
14426	LA-Upland	21.49	129.65	-0.24
14427	LA-Upland	18.31	129.66	-0.24
14428	LA-Upland	15.67	129.66	-0.24
14429	LA-Upland	13.48	129.66	-0.24
14430	LA-Upland	11.09	129.67	-0.24

time (s)	route	speed (mph)	distance (mi)	grade (%)
14509	LA-Upland	40.59	130.12	0.29
14510	LA-Upland	41.30	130.14	0.29
14511	LA-Upland	41.29	130.15	0.29
14512	LA-Upland	40.53	130.16	0.34
14513	LA-Upland	40.73	130.17	0.34
14514	LA-Upland	41.31	130.18	0.34
14515	LA-Upland	41.82	130.19	0.34
14516	LA-Upland	42.15	130.20	0.34
14517	LA-Upland	42.71	130.22	0.34
14518	LA-Upland	43.26	130.23	0.34
14519	LA-Upland	43.73	130.24	0.34
14520	LA-Upland	43.17	130.25	0.49
14521	LA-Upland	42.51	130.26	0.49
14522	LA-Upland	42.84	130.28	0.49
14523	LA-Upland	43.28	130.29	0.49
14524	LA-Upland	43.13	130.30	0.49
14525	LA-Upland	42.42	130.31	0.49
14526	LA-Upland	41.65	130.32	0.49
14527	LA-Upland	41.32	130.33	0.49
14528	LA-Upland	41.30	130.34	0.49
14529	LA-Upland	40.78	130.36	0.19
14530	LA-Upland	39.97	130.37	0.19
14531	LA-Upland	39.11	130.38	0.19
14532	LA-Upland	38.67	130.39	0.19
14533	LA-Upland	38.90	130.40	0.19
14534	LA-Upland	39.50	130.41	0.19
14535	LA-Upland	39.81	130.42	0.19
14536	LA-Upland	39.32	130.43	0.19
14537	LA-Upland	38.83	130.44	0.19
14538	LA-Upland	39.06	130.45	0.03
14539	LA-Upland	38.32	130.46	0.03
14540	LA-Upland	37.64	130.47	0.03
14541	LA-Upland	37.51	130.48	0.03
14542	LA-Upland	36.68	130.49	0.03
14543	LA-Upland	36.36	130.50	0.03
14544	LA-Upland	35.47	130.51	0.03
14545	LA-Upland	34.83	130.52	0.03
14546	LA-Upland	34.12	130.53	0.03
14547	LA-Upland	32.56	130.54	0.03
14548	LA-Upland	30.41	130.55	-0.35
14549	LA-Upland	27.79	130.56	-0.35
14550	LA-Upland	23.92	130.56	-0.35
14551	LA-Upland	19.33	130.57	-0.35
14552	LA-Upland	14.30	130.57	-0.35
14553	LA-Upland	10.92	130.58	-0.35
14554	LA-Upland	9.40	130.58	-0.35
14555	LA-Upland	6.14	130.58	-0.35
14556	LA-Upland	3.42	130.58	-0.35
14557	LA-Upland	1.23	130.58	-0.35
14558	LA-Upland	0.00	130.58	-0.35
14559	LA-Upland	0.00	130.58	-0.35
14560	LA-Upland	0.00	130.58	-0.35
14561	LA-Upland	0.00	130.58	-0.35
14562	LA-Upland	0.00	130.58	-0.35
14563	LA-Upland	0.00	130.58	-0.35
14564	LA-Upland	0.00	130.58	-0.35
14565	LA-Upland	0.00	130.58	-0.35
14566	LA-Upland	0.00	130.58	-0.35
14567	LA-Upland	0.00	130.58	-0.35
14568	LA-Upland	0.00	130.58	-0.35
14569	LA-Upland	0.00	130.58	-0.35
14570	LA-Upland	0.00	130.58	-0.35
14571	LA-Upland	0.00	130.58	-0.35
14572	LA-Upland	0.00	130.58	-0.35
14573	LA-Upland	0.00	130.58	-0.35
14574	LA-Upland	0.00	130.58	-0.35
14575	LA-Upland	0.00	130.58	-0.35
14576	LA-Upland	0.00	130.58	-0.35
14577	LA-Upland	0.00	130.58	-0.35
14578	LA-Upland	0.00	130.58	-0.35
14579	LA-Upland	0.00	130.58	-0.35
14580	LA-Upland	0.00	130.58	-0.35
14581	LA-Upland	0.00	130.58	-0.35
14582	LA-Upland	0.00	130.58	-0.35
14583	LA-Upland	0.00	130.58	-0.35
14584	LA-Upland	0.00	130.58	-0.35
14585	LA-Upland	0.00	130.58	-0.35
14586	LA-Upland	0.00	130.58	-0.35

time (s)	route	speed (mph)	distance (mi)	grade (%)
14431	LA-Upland	8.86	129.67	-0.24
14432	LA-Upland	6.70	129.67	-0.24
14433	LA-Upland	5.20	129.67	-0.24
14434	LA-Upland	4.26	129.67	-0.24
14435	LA-Upland	3.12	129.67	-0.24
14436	LA-Upland	1.71	129.68	-0.24
14437	LA-Upland	0.17	129.68	-0.24
14438	LA-Upland	0.00	129.68	-0.24
14439	LA-Upland	0.00	129.68	-0.24
14440	LA-Upland	0.00	129.68	-0.24
14441	LA-Upland	0.00	129.68	-0.24
14442	LA-Upland	0.00	129.68	-0.24
14443	LA-Upland	0.00	129.68	-0.24
14444	LA-Upland	0.00	129.68	-0.24
14445	LA-Upland	0.00	129.68	-0.24
14446	LA-Upland	0.00	129.68	-0.24
14447	LA-Upland	0.00	129.68	-0.24
14448	LA-Upland	0.00	129.68	-0.24
14449	LA-Upland	0.00	129.68	-0.24
14450	LA-Upland	0.00	129.68	-0.24
14451	LA-Upland	0.00	129.68	-0.24
14452	LA-Upland	0.00	129.68	-0.24
14453	LA-Upland	0.00	129.68	-0.24
14454	LA-Upland	0.22	129.68	-0.24
14455	LA-Upland	3.49	129.68	-0.24
14456	LA-Upland	7.47	129.68	-0.24
14457	LA-Upland	8.18	129.68	-0.24
14458	LA-Upland	8.43	129.68	-0.24
14459	LA-Upland	11.22	129.69	-0.24
14460	LA-Upland	14.03	129.69	-0.24
14461	LA-Upland	16.28	129.69	-0.24
14462	LA-Upland	18.72	129.70	-0.24
14463	LA-Upland	20.64	129.70	-0.24
14464	LA-Upland	22.24	129.71	-0.24
14465	LA-Upland	23.77	129.72	-0.24
14466	LA-Upland	25.34	129.72	-0.24
14467	LA-Upland	26.83	129.73	-0.24
14468	LA-Upland	28.03	129.74	-0.24
14469	LA-Upland	28.48	129.75	-0.24
14470	LA-Upland	27.70	129.76	0.09
14471	LA-Upland	26.79	129.76	0.09
14472	LA-Upland	26.46	129.77	0.09
14473	LA-Upland	26.32	129.78	0.09
14474	LA-Upland	26.88	129.78	0.09
14475	LA-Upland	27.66	129.79	0.09
14476	LA-Upland	28.50	129.80	0.09
14477	LA-Upland	29.12	129.81	0.09
14478	LA-Upland	29.72	129.81	0.09
14479	LA-Upland	30.38	129.82	0.09
14480	LA-Upland	30.98	129.83	0.09
14481	LA-Upland	31.75	129.84	0.09
14482	LA-Upland	32.49	129.85	0.64
14483	LA-Upland	33.42	129.86	0.64
14484	LA-Upland	34.37	129.87	0.64
14485	LA-Upland	34.03	129.88	0.64
14486	LA-Upland	33.57	129.89	0.64
14487	LA-Upland	34.21	129.90	0.64
14488	LA-Upland	34.97	129.91	0.64
14489	LA-Upland	35.86	129.92	0.64
14490	LA-Upland	36.04	129.93	0.64
14491	LA-Upland	36.45	129.94	0.64
14492	LA-Upland	36.62	129.95	0.64
14493	LA-Upland	36.73	129.96	0.44
14494	LA-Upland	35.85	129.97	0.44
14495	LA-Upland	35.15	129.98	0.44
14496	LA-Upland	35.44	129.99	0.4

time (s)	route	speed (mph)	distance (mi)	grade (%)
14665	LA-Upland	50.55	131.09	0.09
14666	LA-Upland	49.87	131.11	0.09
14667	LA-Upland	49.22	131.12	0.09
14668	LA-Upland	48.78	131.13	0.09
14669	LA-Upland	47.55	131.15	0.09
14670	LA-Upland	45.83	131.16	-0.37
14671	LA-Upland	43.74	131.17	-0.37
14672	LA-Upland	41.46	131.18	-0.37
14673	LA-Upland	39.32	131.19	-0.37
14674	LA-Upland	36.76	131.20	-0.37
14675	LA-Upland	34.89	131.21	-0.37
14676	LA-Upland	34.28	131.22	-0.37
14677	LA-Upland	33.53	131.23	-0.37
14678	LA-Upland	32.94	131.24	-0.37
14679	LA-Upland	31.75	131.25	-0.37
14680	LA-Upland	30.63	131.26	-0.51
14681	LA-Upland	30.01	131.26	-0.51
14682	LA-Upland	28.57	131.27	-0.51
14683	LA-Upland	26.53	131.28	-0.51
14684	LA-Upland	23.75	131.29	-0.51
14685	LA-Upland	21.62	131.29	-0.51
14686	LA-Upland	18.99	131.30	-0.51
14687	LA-Upland	15.70	131.30	-0.51
14688	LA-Upland	13.85	131.31	-0.51
14689	LA-Upland	11.14	131.31	-0.51
14690	LA-Upland	9.57	131.31	-0.51
14691	LA-Upland	7.79	131.31	-0.51
14692	LA-Upland	6.05	131.31	-0.51
14693	LA-Upland	4.92	131.32	-0.51
14694	LA-Upland	4.02	131.32	-0.51
14695	LA-Upland	3.26	131.32	-0.51
14696	LA-Upland	2.38	131.32	-0.51
14697	LA-Upland	1.64	131.32	-0.51
14698	LA-Upland	2.32	131.32	-0.51
14699	LA-Upland	4.50	131.32	-0.51
14700	LA-Upland	7.86	131.32	-0.51
14701	LA-Upland	11.19	131.33	-0.51
14702	LA-Upland	14.94	131.33	-0.51
14703	LA-Upland	18.36	131.34	-0.51
14704	LA-Upland	21.78	131.34	-0.51
14705	LA-Upland	24.85	131.35	-0.51
14706	LA-Upland	27.26	131.36	-0.63
14707	LA-Upland	29.56	131.36	-0.63
14708	LA-Upland	31.18	131.37	-0.63
14709	LA-Upland	32.08	131.38	-0.63
14710	LA-Upland	32.21	131.39	-0.63
14711	LA-Upland	32.40	131.40	-0.63
14712	LA-Upland	31.89	131.41	-0.63
14713	LA-Upland	30.83	131.42	-0.63
14714	LA-Upland	30.45	131.42	-0.63
14715	LA-Upland	29.64	131.43	-0.63
14716	LA-Upland	28.47	131.44	-0.63
14717	LA-Upland	27.72	131.45	-0.63
14718	LA-Upland	28.15	131.46	-0.41
14719	LA-Upland	28.59	131.46	-0.41
14720	LA-Upland	30.36	131.47	-0.41
14721	LA-Upland	31.90	131.48	-0.41
14722	LA-Upland	33.27	131.49	-0.41
14723	LA-Upland	34.94	131.50	-0.41
14724	LA-Upland	36.13	131.51	-0.41
14725	LA-Upland	37.13	131.52	-0.41
14726	LA-Upland	38.09	131.53	-0.41
14727	LA-Upland	38.34	131.54	-0.41
14728	LA-Upland	37.93	131.55	-0.23
14729	LA-Upland	36.79	131.56	-0.23
14730	LA-Upland	34.46	131.57	-0.23
14731	LA-Upland	31.02	131.58	-0.23
14732	LA-Upland	27.19	131.59	-0.23
14733	LA-Upland	23.58	131.59	-0.23
14734	LA-Upland	19.10	131.60	-0.23
14735	LA-Upland	16.24	131.60	-0.23
14736	LA-Upland	16.07	131.61	-0.23
14737	LA-Upland	18.14	131.61	-0.23
14738	LA-Upland	22.37	131.62	-0.23
14739	LA-Upland	27.59	131.63	-0.23
14740	LA-Upland	32.72	131.64	-0.23
14741	LA-Upland	36.07	131.65	-0.23
14742	LA-Upland	39.19	131.66	-0.29

time (s)	route	speed (mph)	distance (mi)	grade (%)
14821	LA-Upland	19.02	132.62	4.05
14822	LA-Upland	21.60	132.63	4.05
14823	LA-Upland	23.51	132.63	4.05
14824	LA-Upland	24.98	132.64	4.05
14825	LA-Upland	25.70	132.65	4.05
14826	LA-Upland	24.82	132.65	6.26
14827	LA-Upland	22.60	132.66	6.26
14828	LA-Upland	20.34	132.67	6.26
14829	LA-Upland	18.04	132.67	6.26
14830	LA-Upland	15.66	132.67	6.26
14831	LA-Upland	12.93	132.68	6.26
14832	LA-Upland	9.21	132.68	6.26
14833	LA-Upland	5.68	132.68	6.26
14834	LA-Upland	3.13	132.68	6.26
14835	LA-Upland	0.84	132.68	6.26
14836	LA-Upland	0.00	132.68	6.26
14837	LA-Upland	0.00	132.68	6.26
14838	LA-Upland	0.00	132.68	6.26
14839	LA-Upland	0.00	132.68	6.26
14840	LA-Upland	0.00	132.68	6.26
14841	LA-Upland	0.00	132.68	6.26
14842	LA-Upland	0.00	132.68	6.26
14843	LA-Upland	0.00	132.68	6.26
14844	LA-Upland	0.00	132.68	6.26
14845	LA-Upland	0.00	132.68	6.26
14846	LA-Upland	0.00	132.68	6.26
14847	LA-Upland	0.00	132.68	6.26
14848	LA-Upland	0.00	132.68	6.26
14849	LA-Upland	0.00	132.68	6.26
14850	LA-Upland	0.00	132.68	6.26
14851	LA-Upland	0.00	132.68	6.26
14852	LA-Upland	0.00	132.68	6.26
14853	LA-Upland	0.00	132.68	6.26
14854	LA-Upland	0.00	132.68	6.26
14855	LA-Upland	0.00	132.68	6.26
14856	LA-Upland	0.00	132.68	6.26
14857	LA-Upland	0.00	132.68	6.26
14858	LA-Upland	0.00	132.68	6.26
14859	LA-Upland	0.00	132.68	6.26
14860	LA-Upland	0.00	132.68	6.26
14861	LA-Upland	0.00	132.68	6.26
14862	LA-Upland	0.00	132.68	6.26
14863	LA-Upland	0.81	132.68	6.26
14864	LA-Upland	1.90	132.68	6.26
14865	LA-Upland	5.13	132.69	6.26
14866	LA-Upland	10.31	132.69	6.26
14867	LA-Upland	15.00	132.69	6.26
14868	LA-Upland	18.18	132.70	6.26
14869	LA-Upland	21.76	132.70	6.26
14870	LA-Upland	24.64	132.71	6.26
14871	LA-Upland	27.19	132.72	6.26
14872	LA-Upland	29.53	132.73	6.26
14873	LA-Upland	31.21	132.73	6.26
14874	LA-Upland	32.53	132.74	6.26
14875	LA-Upland	33.50	132.75	1.23
14876	LA-Upland	34.53	132.76	1.23
14877	LA-Upland	35.81	132.77	1.23
14878	LA-Upland	35.63	132.78	1.23
14879	LA-Upland	34.48	132.79	1.23
14880	LA-Upland	34.39	132.80	1.23
14881	LA-Upland	34.82	132.81	1.23
14882	LA-Upland	34.05	132.82	1.23
14883	LA-Upland	33.41	132.83	1.23
14884	LA-Upland	32.63	132.84	1.23
14885	LA-Upland	30.12	132.85	1.23
14886	LA-Upland	25.83	132.85	2.56
14887	LA-Upland	20.11	132.86	2.56
14888	LA-Upland	14.44	132.86	2.56
14889	LA-Upland	9.25	132.87	2.56
14890	LA-Upland	5.54	132.87	2.56
14891	LA-Upland	3.68	132.87	2.56
14892	LA-Upland	2.50	132.87	2.56
14893	LA-Upland	1.82	132.87	2.56
14894	LA-Upland	1.22	132.87	2.56
14895	LA-Upland	0.33	132.87	2.56
14896	LA-Upland	0.00	132.87	2.56
14897	LA-Upland	0.00	132.87	2.56
14898	LA-Upland	0.00	132.87	2.56

time (s)	route	speed (mph)	distance (mi)	grade (%)
14743	LA-Upland	41.74	131.67	-0.29
14744	LA-Upland	43.53	131.68	-0.29
14745	LA-Upland	45.27	131.69	-0.29
14746	LA-Upland	46.75	131.70	-0.29
14747	LA-Upland	48.22	131.72	-0.29
14748	LA-Upland	49.63	131.73	-0.29
14749	LA-Upland	50.88	131.75	-0.29
14750	LA-Upland	51.88	131.76	-0.78
14751	LA-Upland	52.75	131.77	-0.78
14752	LA-Upland	53.25	131.79	-0.78
14753	LA-Upland	53.80	131.80	-0.78
14754	LA-Upland	54.33	131.82	-0.78
14755	LA-Upland	53.97	131.83	-0.78
14756	LA-Upland	52.58	131.85	-0.78
14757	LA-Upland	52.42	131.86	2.09
14758	LA-Upland	52.30	131.88	2.09
14759	LA-Upland	52.88	131.89	2.09
14760	LA-Upland	54.63	131.91	2.09
14761	LA-Upland	55.15	131.92	2.09
14762	LA-Upland	54.36	131.94	2.09
14763	LA-Upland	52.49	131.95	2.09
14764	LA-Upland	53.93	131.97	3.05
14765	LA-Upland	54.63	131.98	3.05
14766	LA-Upland	53.77	132.00	3.05
14767	LA-Upland	52.46	132.01	3.05
14768	LA-Upland	52.29	132.02	3.05
14769	LA-Upland	52.77	132.04	3.05
14770	LA-Upland	53.19	132.05	4.71
14771	LA-Upland	53.63	132.07	4.71
14772	LA-Upland	54.18	132.08	4.71
14773	LA-Upland	54.42	132.10	4.71
14774	LA-Upland	55.11	132.11	4.71
14775	LA-Upland	55.81	132.13	4.71
14776	LA-Upland	56.15	132.14	4.71
14777	LA-Upland	56.37	132.16	3.79
14778	LA-Upland	56.18	132.18	3.79
14779	LA-Upland	56.08	132.19	3.79
14780	LA-Upland	56.13	132.21	3.79
14781	LA-Upland	56.22	132.22	3.79
14782	LA-Upland	56.21	132.24	3.79
14783	LA-Upland	56.34	132.25	3.14
14784	LA-Upland	56.68	132.27	3.14
14785	LA-Upland	56.83	132.28	3.14
14786	LA-Upland	55.96	132.30	3.14
14787	LA-Upland	54.80	132.31	3.14
14788	LA-Upland	55.01	132.33	3.14
14789	LA-Upland	55.23	132.34	3.14
14790	LA-Upland	55.11	132.36	2.84
14791	LA-Upland	55.56	132.38	2.84
14792	LA-Upland	56.32	132.39	2.84
14793	LA-Upland	56.15	132.41	2.84
14794	LA-Upland	55.53	132.42	2.84
14795	LA-Upland	53.37	132.44	2.84
14796	LA-Upland	51.23	132.45	3.48
14797	LA-Upland	49.63	132.46	3.48
14798	LA-Upland	47.39	132.48	3.48
14799	LA-Upland	44.41	132.49	3.48
14800	LA-Upland	41.09	132.50	3.48
14801	LA-Upland	38.36	132.51	3.48
14802	LA-Upland	35.56	132.52	3.48
14803	LA-Upland	32.90	132.53	3.48
14804	LA-Upland	29.63	132.54	3.48
14805	LA-Upland	23.26	132.54	3.48
14806	LA-Upland	18.16	132.55	3.48
14807	LA-Upland	15.46	132.55	4.05

time (s)	route	speed (mph)	distance (mi)	grade (%)
15289	Upland-MtBaldy	27.07	133.17	0.34
15290	Upland-MtBaldy	33.62	133.18	0.34
15291	Upland-MtBaldy	39.44	133.19	0.34
15292	Upland-MtBaldy	43.02	133.21	0.34
15293	Upland-MtBaldy	40.66	133.22	0.34
15294	Upland-MtBaldy	36.15	133.23	0.34
15295	Upland-MtBaldy	31.04	133.24	0.34
15296	Upland-MtBaldy	25.98	133.24	0.34
15297	Upland-MtBaldy	20.92	133.25	0.34
15298	Upland-MtBaldy	15.66	133.25	1.67
15299	Upland-MtBaldy	11.05	133.26	1.67
15300	Upland-MtBaldy	6.80	133.26	1.67
15301	Upland-MtBaldy	2.76	133.26	1.67
15302	Upland-MtBaldy	0.14	133.26	1.67
15303	Upland-MtBaldy	0.00	133.26	1.67
15304	Upland-MtBaldy	0.00	133.26	1.67
15305	Upland-MtBaldy	0.00	133.26	1.67
15306	Upland-MtBaldy	0.00	133.26	1.67
15307	Upland-MtBaldy	0.00	133.26	1.67
15308	Upland-MtBaldy	0.00	133.26	1.67
15309	Upland-MtBaldy	0.00	133.26	1.67
15310	Upland-MtBaldy	0.00	133.26	1.67
15311	Upland-MtBaldy	0.00	133.26	1.67
15312	Upland-MtBaldy	0.00	133.26	1.67
15313	Upland-MtBaldy	0.00	133.26	1.67
15314	Upland-MtBaldy	0.00	133.26	1.67
15315	Upland-MtBaldy	0.00	133.26	1.67
15316	Upland-MtBaldy	0.00	133.26	1.67
15317	Upland-MtBaldy	0.00	133.26	1.67
15318	Upland-MtBaldy	0.00	133.26	1.67
15319	Upland-MtBaldy	0.00	133.26	1.67
15320	Upland-MtBaldy	0.00	133.26	1.67
15321	Upland-MtBaldy	0.00	133.26	1.67
15322	Upland-MtBaldy	0.00	133.26	1.67
15323	Upland-MtBaldy	0.00	133.26	1.67
15324	Upland-MtBaldy	0.00	133.26	1.67
15325	Upland-MtBaldy	0.00	133.26	1.67
15326	Upland-MtBaldy	0.00	133.26	1.67
15327	Upland-MtBaldy	0.00	133.26	1.67
15328	Upland-MtBaldy	0.00	133.26	1.67
15329	Upland-MtBaldy	0.00	133.26	1.67
15330	Upland-MtBaldy	0.00	133.26	1.67
15331	Upland-MtBaldy	0.00	133.26	1.67
15332	Upland-MtBaldy	0.00	133.26	1.67
15333	Upland-MtBaldy	0.00	133.26	1.67
15334	Upland-MtBaldy	0.00	133.26	1.67
15335	Upland-MtBaldy	0.00	133.26	1.67
15336	Upland-MtBaldy	0.00	133.26	1.67
15337	Upland-MtBaldy	0.00	133.26	1.67
15338	Upland-MtBaldy	0.00	133.26	1.67
15339	Upland-MtBaldy	0.00	133.26	1.67
15340	Upland-MtBaldy	0.00	133.26	1.67
15341	Upland-MtBaldy	0.00	133.26	1.67
15342	Upland-MtBaldy	0.00	133.26	1.67
15343	Upland-MtBaldy	0.00	133.26	1.67
15344	Upland-MtBaldy	0.00	133.26	1.67
15345	Upland-MtBaldy	0.00	133.26	1.67
15346	Upland-MtBaldy	0.00	133.26	1.67
15347	Upland-MtBaldy	0.00	133.26	1.67
15348	Upland-MtBaldy	0.00	133.26	1.67
15349	Upland-MtBaldy	0.00	133.26	1.67
15350	Upland-MtBaldy	0.00	133.26	1.67
15351	Upland-MtBaldy	0.00	133.26	1.67
15352	Upland-MtBaldy	0.00	133.26	1.67
15353	Upland-MtBaldy	0.00	133.26	1.67
15354	Upland-MtBaldy	0.00	133.26	1.67
15355	Upland-MtBaldy	0.00	133.26	1.67
15356	Upland-MtBaldy	0.00	133.26	1.67
15357	Upland-MtBaldy	0.00	133.26	1.67
15358	Upland-MtBaldy	0.00	133.26	1.67
15359	Upland-MtBaldy	0.00	133.26	1.67
15360	Upland-MtBaldy	0.00	133.26	1.67
15361	Upland-MtBaldy	0.00	133.26	1.67
15362	Upland-MtBaldy	0.00	133.26	1.67
15363	Upland-MtBaldy	0.00	133.26	1.67
15364	Upland-MtBaldy	0.00	133.26	1.67
15365	Upland-MtBaldy	0.00	133.26	1.67
15366	Upland-MtBaldy	0.00	133.26	1.67

time (s)	route	speed (mph)	distance (mi)	grade (%)
15445	Upland-MtBaldy	23.29	133.86	3.15
15446	Upland-MtBaldy	26.90	133.86	3.15
15447	Upland-MtBaldy	30.40	133.87	3.15
15448	Upland-MtBaldy	33.39	133.88	3.15
15449	Upland-MtBaldy	35.10	133.89	3.15
15450	Upland-MtBaldy	35.92	133.90	3.15
15451	Upland-MtBaldy	36.38	133.91	3.15
15452	Upland-MtBaldy	37.18	133.92	3.15
15453	Upland-MtBaldy	36.99	133.93	3.15
15454	Upland-MtBaldy	36.64	133.94	3.15
15455	Upland-MtBaldy	37.56	133.95	3.14
15456	Upland-MtBaldy	38.83	133.96	3.54
15457	Upland-MtBaldy	40.24	133.97	3.54
15458	Upland-MtBaldy	41.56	133.98	3.54
15459	Upland-MtBaldy	42.75	134.00	3.54
15460	Upland-MtBaldy	42.64	134.01	3.54
15461	Upland-MtBaldy	42.11	134.02	3.54
15462	Upland-MtBaldy	41.26	134.03	3.54
15463	Upland-MtBaldy	41.31	134.04	3.54
15464	Upland-MtBaldy	41.58	134.05	2.33
15465	Upland-MtBaldy	43.44	134.06	2.33
15466	Upland-MtBaldy	45.51	134.08	2.33
15467	Upland-MtBaldy	47.56	134.09	2.33
15468	Upland-MtBaldy	49.29	134.10	2.33
15469	Upland-MtBaldy	50.90	134.12	2.33
15470	Upland-MtBaldy	51.68	134.13	2.33
15471	Upland-MtBaldy	51.79	134.15	2.33
15472	Upland-MtBaldy	52.12	134.16	2.33
15473	Upland-MtBaldy	52.60	134.18	3.23
15474	Upland-MtBaldy	52.11	134.19	3.23
15475	Upland-MtBaldy	51.16	134.20	3.23
15476	Upland-MtBaldy	51.59	134.22	3.23
15477	Upland-MtBaldy	51.97	134.23	3.23
15478	Upland-MtBaldy	51.08	134.25	3.23
15479	Upland-MtBaldy	50.04	134.26	3.36
15480	Upland-MtBaldy	50.41	134.27	3.36
15481	Upland-MtBaldy	51.25	134.29	3.36
15482	Upland-MtBaldy	51.76	134.30	3.36
15483	Upland-MtBaldy	51.80	134.32	3.36
15484	Upland-MtBaldy	51.28	134.33	3.36
15485	Upland-MtBaldy	50.95	134.34	3.36
15486	Upland-MtBaldy	49.80	134.36	3.47
15487	Upland-MtBaldy	49.74	134.37	3.47
15488	Upland-MtBaldy	50.07	134.39	3.47
15489	Upland-MtBaldy	50.72	134.40	3.47
15490	Upland-MtBaldy	49.46	134.41	3.47
15491	Upland-MtBaldy	47.87	134.43	3.47
15492	Upland-MtBaldy	47.54	134.44	3.47
15493	Upland-MtBaldy	48.03	134.45	2.55
15494	Upland-MtBaldy	48.80	134.47	2.55
15495	Upland-MtBaldy	49.79	134.48	2.55
15496	Upland-MtBaldy	50.36	134.49	2.55
15497	Upland-MtBaldy	50.31	134.51	2.55
15498	Upland-MtBaldy	49.79	134.52	2.55
15499	Upland-MtBaldy	48.55	134.53	2.55
15500	Upland-MtBaldy	48.13	134.55	2.55
15501	Upland-MtBaldy	48.08	134.56	3.23
15502	Upland-MtBaldy	48.84	134.57	3.23
15503	Upland-MtBaldy	48.92	134.59	3.23
15504	Upland-MtBaldy	48.59	134.60	3.23
15505	Upland-MtBaldy	48.39	134.61	3.23
15506	Upland-MtBaldy	47.98	134.63	3.23
15507	Upland-MtBaldy	47.61	134.64	3.23
15508	Upland-MtBaldy	47.87	134.65	3.23
15509	Upland-MtBaldy	48.26	134.67	3.23
15510	Upland-MtBaldy	49.62	134.68	3.23
15511	Upland-MtBaldy	50.28	134.69	3.23
15512	Upland-MtBaldy	50.71	134.71	3.23
15513	Upland-MtBaldy	50.79	134.72	3.23
15514	Upland-MtBaldy	50.16	134.74	3.23
15515	Upland-MtBaldy	48.98	134.75	3.23
15516	Upland-MtBaldy	47.93	134.76	3.47
15517	Upland-MtBaldy	46.10	134.78	3.47
15518	Upland-MtBaldy	42.83	134.79	3.47
15519	Upland-MtBaldy	39.50	134.80	3.47
15520	Upland-MtBaldy	36.15	134.81	3.47
15521	Upland-MtBaldy	32.94	134.82	3.47
15522	Upland-MtBaldy	29.53	134.83	3.47

time (s)	route	speed (mph)	distance (mi)	grade (%)
15367	Upland-MtBaldy	0.00	133.26	1.67
15368	Upland-MtBaldy	0.55	133.26	1.67
15369	Upland-MtBaldy	4.82	133.26	1.67
15370	Upland-MtBaldy	11.40	133.26	1.67
15371	Upland-MtBaldy	18.02	133.27	1.67
15372	Upland-MtBaldy	22.77	133.27	1.67
15373	Upland-MtBaldy	25.94	133.28	1.67
15374	Upland-MtBaldy	28.09	133.29	1.67
15375	Upland-MtBaldy	29.63	133.30	1.67
15376	Upland-MtBaldy	30.72	133.31	1.67
15377	Upland-MtBaldy	31.98	133.31	1.67
15378	Upland-MtBaldy	33.80	133.32	1.67
15379	Upland-MtBaldy	36.26	133.33	1.67
15380	Upland-MtBaldy	38.77	133.34	1.67
15381	Upland-MtBaldy	40.33	133.36	-0.41
15382	Upland-MtBaldy	40.68	133.37	-0.41
15383	Upland-MtBaldy	40.81	133.38	-0.41
15384	Upland-MtBaldy	41.08	133.39	-0.41
15385	Upland-MtBaldy	40.52	133.40	-0.41
15386	Upland-MtBaldy	39.08	133.41	-0.41
15387	Upland-MtBaldy	37.29	133.42	-0.41
15388	Upland-MtBaldy	35.26	133.43	-0.41
15389	Upland-MtBaldy	33.19	133.44	-0.41
15390	Upland-MtBaldy	30.88	133.45	-0.41
15391	Upland-MtBaldy	28.26	133.46	0.12
15392	Upland-MtBaldy	25.44	133.46	0.12
15393	Upland-MtBaldy	22.48	133.47	0.12
15394	Upland-MtBaldy	18.80	133.47	0.12
15395	Upland-MtBaldy	14.03	133.48	0.12
15396	Upland-MtBaldy	9.55	133.48	0.12
15397	Upland-MtBaldy	5.43	133.48	0.12
15398	Upland-MtBaldy	1.87	133.48	0.12
15399	Upland-MtBaldy	0.00	133.48	0.12
15400	Upland-MtBaldy	1.02	133.48	0.12
15401	Upland-MtBaldy	2.12	133.48	0.12
15402	Upland-MtBaldy	0.94	133.48	0.12
15403	Upland-MtBaldy	0.00	133.48	0.12
15404	Upland-MtBaldy	0.16	133.48	0.12
15405	Upland-MtBaldy	2.77	133.49	0.12
15406	Upland-MtBaldy	5.04	133.49	0.12
15407	Upland-MtBaldy	5.75	133.49	0.12
15408	Upland-MtBaldy	8.02	133.49	0.12
15409	Upland-MtBaldy	10.83	133.49	0.12
15410	Upland-MtBaldy	13.99	133.50	0.12
15411	Upland-MtBaldy	17.99	133.50	0.12
15412	Upland-MtBaldy	22.18	133.51	0.12
15413	Upland-MtBaldy	26.45	133.52	0.12
15414	Upland-MtBaldy	30.28	133.52	0.12
15415	Upland-MtBaldy	33.72	133.53	0.12
15416	Upland-MtBaldy	36.46	133.54	0.12

time (s)	route	speed (mph)	distance (mi)	grade (%)
15601	Upland-MtBaldy	60.15	135.82	4.67
15602	Upland-MtBaldy	59.74	135.83	4.67
15603	Upland-MtBaldy	59.04	135.85	4.67
15604	Upland-MtBaldy	57.47	135.86	4.95
15605	Upland-MtBaldy	56.06	135.88	4.95
15606	Upland-MtBaldy	54.93	135.89	4.95
15607	Upland-MtBaldy	54.02	135.91	4.95
15608	Upland-MtBaldy	53.00	135.92	4.95
15609	Upland-MtBaldy	53.04	135.94	4.95
15610	Upland-MtBaldy	52.92	135.95	4.48
15611	Upland-MtBaldy	53.15	135.97	4.48
15612	Upland-MtBaldy	53.31	135.98	4.48
15613	Upland-MtBaldy	53.50	136.00	4.48
15614	Upland-MtBaldy	53.38	136.01	4.48
15615	Upland-MtBaldy	53.26	136.03	4.48
15616	Upland-MtBaldy	52.93	136.04	4.48
15617	Upland-MtBaldy	52.57	136.06	5.26
15618	Upland-MtBaldy	52.74	136.07	5.26
15619	Upland-MtBaldy	52.83	136.08	5.26
15620	Upland-MtBaldy	53.27	136.10	5.26
15621	Upland-MtBaldy	53.27	136.11	5.26
15622	Upland-MtBaldy	53.48	136.13	5.26
15623	Upland-MtBaldy	53.74	136.14	5.26
15624	Upland-MtBaldy	53.89	136.16	7.29
15625	Upland-MtBaldy	54.21	136.17	7.29
15626	Upland-MtBaldy	54.40	136.19	7.29
15627	Upland-MtBaldy	54.66	136.20	7.29
15628	Upland-MtBaldy	54.70	136.22	7.29
15629	Upland-MtBaldy	54.90	136.23	7.29
15630	Upland-MtBaldy	54.81	136.25	7.29
15631	Upland-MtBaldy	54.29	136.26	7.94
15632	Upland-MtBaldy	53.48	136.28	7.94
15633	Upland-MtBaldy	52.84	136.29	7.94
15634	Upland-MtBaldy	52.70	136.31	7.94
15635	Upland-MtBaldy	52.78	136.32	7.94
15636	Upland-MtBaldy	52.87	136.34	7.94
15637	Upland-MtBaldy	52.97	136.35	10.99
15638	Upland-MtBaldy	52.96	136.37	10.99
15639	Upland-MtBaldy	52.79	136.38	10.99
15640	Upland-MtBaldy	52.60	136.39	10.99
15641	Upland-MtBaldy	52.22	136.41	10.99
15642	Upland-MtBaldy	52.38	136.42	10.99
15643	Upland-MtBaldy	51.85	136.44	10.99
15644	Upland-MtBaldy	51.16	136.45	6.11
15645	Upland-MtBaldy	50.03	136.47	6.11
15646	Upland-MtBaldy	49.46	136.48	6.11
15647	Upland-MtBaldy	49.17	136.49	6.11
15648	Upland-MtBaldy	49.28	136.51	6.11
15649	Upland-MtBaldy	49.71	136.52	6.11
15650	Upland-MtBaldy	49.45	136.53	6.11
15651	Upland-MtBaldy	49.56	136.55	6.11
15652	Upland-MtBaldy	49.63	136.56	6.11
15653	Upland-MtBaldy	50.12	136.57	5.53
15654	Upland-MtBaldy	50.67	136.59	5.53
15655	Upland-MtBaldy	51.11	136.60	5.53
15656	Upland-MtBaldy	52.49	136.62	5.53
15657	Upland-MtBaldy	53.42	136.63	5.53
15658	Upland-MtBaldy	53.84	136.65	5.53
15659	Upland-MtBaldy	54.62	136.66	7.85
15660	Upland-MtBaldy	54.86	136.68	7.85
15661	Upland-MtBaldy	55.11	136.69	7.85
15662	Upland-MtBaldy	55.13	136.71	7.85
15663	Upland-MtBaldy	55.37	136.72	7.85
15664	Upland-MtBaldy	54.74	136.74	7.85
15665	Upland-MtBaldy	53.62	136.75	9.69
15666	Upland-MtBaldy	52.97	136.77	9.69
15667	Upland-MtBaldy	52.26	136.78	9.69
15668	Upland-MtBaldy	51.79	136.79	9.69
15669	Upland-MtBaldy	51.38	136.81	9.69
15670	Upland-MtBaldy	50.92	136.82	9.69
15671	Upland-MtBaldy	50.89	136.84	9.69
15672	Upland-MtBaldy	51.00	136.85	4.95
15673	Upland-MtBaldy	50.89	136.86	4.95
15674	Upland-MtBaldy	50.46	136.88	4.95
15675	Upland-MtBaldy	50.07	136.89	4.95
15676	Upland-MtBaldy	49.35	136.91	4.95
15677	Upland-MtBaldy	47.96	136.92	4.95
15678	Upland-MtBaldy	46.98	136.93	4.95

time (s)	route	speed (mph)	distance (mi)	grade (%)
15757	Upland-MtBaldy	46.62	138.08	8.69
15758	Upland-MtBaldy	46.38	138.09	8.69
15759	Upland-MtBaldy	46.37	138.10	8.69
15760	Upland-MtBaldy	46.53	138.11	8.69
15761	Upland-MtBaldy	47.12	138.13	8.69
15762	Upland-MtBaldy	47.81	138.14	8.69
15763	Upland-MtBaldy	47.93	138.15	8.69
15764	Upland-MtBaldy	47.43	138.17	9.81
15765	Upland-MtBaldy	46.41	138.18	9.81
15766	Upland-MtBaldy	45.49	138.19	9.81
15767	Upland-MtBaldy	45.41	138.20	9.81
15768	Upland-MtBaldy	45.82	138.22	9.81
15769	Upland-MtBaldy	46.52	138.23	9.81
15770	Upland-MtBaldy	47.56	138.24	8.81
15771	Upland-MtBaldy	46.47	138.26	8.81
15772	Upland-MtBaldy	44.63	138.27	8.81
15773	Upland-MtBaldy	42.13	138.28	8.81
15774	Upland-MtBaldy	39.58	138.29	8.81
15775	Upland-MtBaldy	38.17	138.30	8.81
15776	Upland-MtBaldy	37.88	138.31	8.81
15777	Upland-MtBaldy	38.74	138.32	8.81
15778	Upland-MtBaldy	40.13	138.33	8.81
15779	Upland-MtBaldy	41.16	138.34	8.81
15780	Upland-MtBaldy	42.34	138.36	4.64
15781	Upland-MtBaldy	43.21	138.37	4.64
15782	Upland-MtBaldy	43.69	138.38	4.64
15783	Upland-MtBaldy	43.19	138.39	4.64
15784	Upland-MtBaldy	41.26	138.40	6.64
15785	Upland-MtBaldy	39.74	138.41	4.64
15786	Upland-MtBaldy	39.66	138.42	4.64
15787	Upland-MtBaldy	39.17	138.44	6.64
15788	Upland-MtBaldy	40.76	138.45	4.64
15789	Upland-MtBaldy	41.52	138.46	5.49
15790	Upland-MtBaldy	40.50	138.47	5.49
15791	Upland-MtBaldy	39.37	138.48	5.49
15792	Upland-MtBaldy	38.61	138.49	5.49
15793	Upland-MtBaldy	38.40	138.50	5.49
15794	Upland-MtBaldy	37.77	138.51	5.49
15795	Upland-MtBaldy	37.36	138.52	5.49
15796	Upland-MtBaldy	37.26	138.53	5.49
15797	Upland-MtBaldy	37.55	138.54	5.49
15798	Upland-MtBaldy	38.54	138.55	5.99
15799	Upland-MtBaldy	39.78	138.56	5.99
15800	Upland-MtBaldy	40.52	138.58	5.99
15801	Upland-MtBaldy	40.54	138.59	5.99
15802	Upland-MtBaldy	39.57	138.60	5.99
15803	Upland-MtBaldy	40.07	138.61	5.99
15804	Upland-MtBaldy	40.79	138.62	5.99
15805	Upland-MtBaldy	41.16	138.63	5.99
15806	Upland-MtBaldy	41.42	138.64	5.99
15807	Upland-MtBaldy	40.79	138.65	6.07
15808	Upland-MtBaldy	39.81	138.66	6.07
15809	Upland-MtBaldy	39.03	138.68	6.07
15810	Upland-MtBaldy	38.99	138.69	6.07
15811	Upland-MtBaldy	37.18	138.70	6.07
15812	Upland-MtBaldy	35.34	138.71	6.07
15813	Upland-MtBaldy	34.68	138.72	6.07
15814	Upland-MtBaldy	36.52	138.73	6.07
15815	Upland-MtBaldy	39.46	138.74	6.07
15816	Upland-MtBaldy	41.71	138.75	6.07
15817	Upland-MtBaldy	43.26	138.76	4.89
15818	Upland-MtBaldy	44.12	138.77	4.89
15819	Upland-MtBaldy	45.08	138.78	4.89
15820	Upland-MtBaldy	46.02	138.80	4.89
15821	Upland-MtBaldy	46.46	138.81	4.89
15822	Upland-MtBaldy	45.49	138.82	4.89
15823	Upland-MtBaldy	44.82	138.83	4.89
15824	Upland-MtBaldy	44.44	138.84	4.89
15825	Upland-MtBaldy	43.46	138.86	2.59
15826	Upland-MtBaldy	41.79	138.87	2.59
15827	Upland-MtBaldy	39.61	138.88	2.59
15828	Upland-MtBaldy	37.29	138.89	2.59
15829	Upland-MtBaldy	36.03	138.90	2.59
15830	Upland-MtBaldy	35.24	138.91	2.59
15831	Upland-MtBaldy	34.73	138.92	2.59
15832	Upland-MtBaldy	34.06	138.93	2.59
15833	Upland-MtBaldy	33.14	138.94	2.59
15834	Upland-MtBaldy	32.21	138.95	2.59

time (s)	route	speed (mph)	distance (mi)	grade (%)
15679	Upland-MtBaldy	46.41	136.94	4.95
15680	Upland-MtBaldy	45.76	136.96	3.93
15681	Upland-MtBaldy	45.73	136.97	3.93
15682	Upland-MtBaldy	46.59	136.98	3.93
15683	Upland-MtBaldy	48.25	137.00	3.93
15684	Upland-MtBaldy	49.29	137.01	3.93
15685	Upland-MtBaldy	49.60	137.02	3.93
15686	Upland-MtBaldy	49.27	137.04	3.93
15687	Upland-MtBaldy	49.07	137.05	2.81
15688	Upland-MtBaldy	49.38	137.06	2.81
15689	Upland-MtBaldy	49.59	137.08	2.81
15690	Upland-MtBaldy	50.76	137.09	2.81
15691	Upland-MtBaldy	51.49	137.11	2.81
15692	Upland-MtBaldy	52.34	137.12	2.81
15693	Upland-MtBaldy	53.15	137.13	2.81
15694	Upland-MtBaldy	53.92	137.15	2.81
15695	Upland-MtBaldy	54.55	137.16	3.16
15696	Upland-MtBaldy	54.65	137.18	3.16
15697	Upland-MtBaldy	54.87	137.19	3.16
15698	Upland-MtBaldy	55.15	137.21	3.16
15699	Upland-MtBaldy	55.55	137.22	3.16
15700	Upland-MtBaldy	55.87	137.24	3.16
15701	Upland-MtBaldy	56.11	137.26	3.88
15702	Upland-MtBaldy	56.09	137.27	3.88
15703	Upland-MtBaldy	56.21	137.29	3.88
15704	Upland-MtBaldy	56.21	137.30	3.88
15705	Upland-MtBaldy	56.26	137.32	3.88
15706	Upland-MtBaldy	56.29	137.33	3.88
15707	Upland-MtBaldy	56.33	137.35	3.88
15708	Upland-MtBaldy	55.99	137.36	7.75
15709	Upland-MtBaldy	55.52	137.38	7.75
15710	Upland-MtBaldy	55.57	137.39	7.75
15711	Upland-MtBaldy	55.77	137.41	7.75
15712	Upland-MtBaldy	55.75	137.43	7.75
15713	Upland-MtBaldy	56.05	137.44	7.75
15714	Upland-MtBaldy	56.27	137.46	5.10
15715	Upland-MtBaldy	56.52	137.47	5.10
15716	Upland-MtBaldy	56.36	137.49	5.10
15717	Upland-MtBaldy	56.29	137.50	5.10
15718	Upland-MtBaldy	56.58	137.52	5.10
15719	Upland-MtBaldy	56.77	137.53	5.10
15720	Upland-MtBaldy	57.38	137.55	5.10
15721	Upland-MtBaldy	57.91	137.57	4.61
15722	Upland-MtBaldy	58.11	137.58	4.61
15723	Upland-MtBaldy	58.44	137.60	4.61
15724	Upland-MtBaldy	58.84	137.61	4.61
15725	Upland-MtBaldy	58.85	137.63	4.61
15726	Upland-MtBaldy	58.50	137.65	4.61
15727	Upland-MtBaldy	58.24		

time (s)	route	speed (mph)	distance (mi)	grade (%)
15913	Upland-MtBaldy	31.44	139.72	3.82
15914	Upland-MtBaldy	30.23	139.73	3.82
15915	Upland-MtBaldy	29.39	139.74	3.82
15916	Upland-MtBaldy	29.06	139.75	3.82
15917	Upland-MtBaldy	29.00	139.76	5.97
15918	Upland-MtBaldy	31.07	139.77	5.97
15919	Upland-MtBaldy	33.31	139.77	5.97
15920	Upland-MtBaldy	34.22	139.78	5.97
15921	Upland-MtBaldy	33.52	139.79	5.97
15922	Upland-MtBaldy	33.62	139.80	5.97
15923	Upland-MtBaldy	33.74	139.81	5.97
15924	Upland-MtBaldy	34.02	139.82	5.97
15925	Upland-MtBaldy	33.95	139.83	5.97
15926	Upland-MtBaldy	32.92	139.84	5.97
15927	Upland-MtBaldy	31.84	139.85	5.97
15928	Upland-MtBaldy	31.01	139.86	8.80
15929	Upland-MtBaldy	30.80	139.87	8.80
15930	Upland-MtBaldy	30.56	139.87	8.80
15931	Upland-MtBaldy	30.12	139.88	8.80
15932	Upland-MtBaldy	29.41	139.89	8.80
15933	Upland-MtBaldy	28.63	139.90	8.80
15934	Upland-MtBaldy	28.11	139.91	8.80
15935	Upland-MtBaldy	27.49	139.91	8.80
15936	Upland-MtBaldy	28.07	139.92	8.80
15937	Upland-MtBaldy	30.18	139.93	8.80
15938	Upland-MtBaldy	31.61	139.94	8.80
15939	Upland-MtBaldy	33.34	139.95	8.80
15940	Upland-MtBaldy	34.77	139.96	7.31
15941	Upland-MtBaldy	35.75	139.97	7.31
15942	Upland-MtBaldy	36.05	139.98	7.31
15943	Upland-MtBaldy	35.59	139.99	7.31
15944	Upland-MtBaldy	35.70	140.00	7.31
15945	Upland-MtBaldy	35.74	140.01	7.31
15946	Upland-MtBaldy	36.10	140.02	7.31
15947	Upland-MtBaldy	36.78	140.03	7.31
15948	Upland-MtBaldy	37.55	140.04	7.31
15949	Upland-MtBaldy	37.60	140.05	7.31
15950	Upland-MtBaldy	37.72	140.06	9.80
15951	Upland-MtBaldy	37.54	140.07	9.80
15952	Upland-MtBaldy	36.76	140.08	9.80
15953	Upland-MtBaldy	35.83	140.09	9.80
15954	Upland-MtBaldy	35.33	140.10	9.80
15955	Upland-MtBaldy	35.03	140.11	9.80
15956	Upland-MtBaldy	35.27	140.12	9.80
15957	Upland-MtBaldy	35.96	140.13	9.80
15958	Upland-MtBaldy	36.08	140.14	9.80
15959	Upland-MtBaldy	35.43	140.15	9.80
15960	Upland-MtBaldy	34.45	140.16	8.55
15961	Upland-MtBaldy	33.36	140.16	8.55
15962	Upland-MtBaldy	32.81	140.17	8.55
15963	Upland-MtBaldy	32.48	140.18	8.55
15964	Upland-MtBaldy	32.63	140.19	8.55
15965	Upland-MtBaldy	31.85	140.20	8.55
15966	Upland-MtBaldy	31.83	140.21	8.55
15967	Upland-MtBaldy	31.83	140.22	8.55
15968	Upland-MtBaldy	31.16	140.23	8.55
15969	Upland-MtBaldy	32.13	140.23	8.55
15970	Upland-MtBaldy	34.17	140.24	8.55
15971	Upland-MtBaldy	35.18	140.25	6.57
15972	Upland-MtBaldy	35.66	140.26	6.57
15973	Upland-MtBaldy	34.58	140.27	6.57
15974	Upland-MtBaldy	33.10	140.28	6.57
15975	Upland-MtBaldy	31.13	140.29	6.57
15976	Upland-MtBaldy	29.77	140.30	6.57
15977	Upland-MtBaldy	28.89	140.31	6.57
15978	Upland-MtBaldy	28.34	140.31	6.57
15979	Upland-MtBaldy	30.13	140.32	6.57
15980	Upland-MtBaldy	32.66	140.33	6.57
15981	Upland-MtBaldy	34.52	140.34	6.57
15982	Upland-MtBaldy	36.13	140.35	7.65
15983	Upland-MtBaldy	37.16	140.36	7.65
15984	Upland-MtBaldy	37.32	140.37	7.65
15985	Upland-MtBaldy	36.31	140.38	7.65
15986	Upland-MtBaldy	35.37	140.39	7.65
15987	Upland-MtBaldy	34.40	140.40	7.65
15988	Upland-MtBaldy	34.12	140.41	7.65
15989	Upland-MtBaldy	33.48	140.42	7.65
15990	Upland-MtBaldy	32.91	140.43	7.65

time (s)	route	speed (mph)	distance (mi)	grade (%)
16069	Upland-MtBaldy	32.51	141.17	10.33
16070	Upland-MtBaldy	32.72	141.18	10.33
16071	Upland-MtBaldy	33.07	141.19	10.33
16072	Upland-MtBaldy	33.99	141.20	10.33
16073	Upland-MtBaldy	35.97	141.21	10.33
16074	Upland-MtBaldy	38.16	141.22	10.33
16075	Upland-MtBaldy	38.97	141.23	10.33
16076	Upland-MtBaldy	38.83	141.24	10.33
16077	Upland-MtBaldy	38.21	141.25	11.71
16078	Upland-MtBaldy	37.61	141.26	11.71
16079	Upland-MtBaldy	37.67	141.27	11.71
16080	Upland-MtBaldy	38.27	141.28	11.71
16081	Upland-MtBaldy	38.35	141.29	11.71
16082	Upland-MtBaldy	38.74	141.30	11.71
16083	Upland-MtBaldy	39.47	141.31	11.71
16084	Upland-MtBaldy	40.50	141.33	11.71
16085	Upland-MtBaldy	40.35	141.34	11.71
16086	Upland-MtBaldy	39.34	141.35	11.71
16087	Upland-MtBaldy	38.01	141.36	13.43
16088	Upland-MtBaldy	36.54	141.37	13.43
16089	Upland-MtBaldy	34.84	141.38	13.43
16090	Upland-MtBaldy	34.33	141.39	13.43
16091	Upland-MtBaldy	34.61	141.40	13.43
16092	Upland-MtBaldy	35.52	141.41	13.43
16093	Upland-MtBaldy	37.07	141.42	13.43
16094	Upland-MtBaldy	40.50	141.43	13.43
16095	Upland-MtBaldy	45.01	141.44	13.43
16096	Upland-MtBaldy	49.03	141.45	6.87
16097	Upland-MtBaldy	52.17	141.47	6.87
16098	Upland-MtBaldy	53.49	141.48	6.87
16099	Upland-MtBaldy	55.04	141.50	6.87
16100	Upland-MtBaldy	56.40	141.51	6.87
16101	Upland-MtBaldy	57.83	141.53	6.87
16102	Upland-MtBaldy	58.28	141.55	6.87
16103	Upland-MtBaldy	58.04	141.56	6.87
16104	Upland-MtBaldy	56.41	141.58	6.87
16105	Upland-MtBaldy	54.72	141.59	6.87
16106	Upland-MtBaldy	52.89	141.61	6.87
16107	Upland-MtBaldy	51.59	141.62	6.87
16108	Upland-MtBaldy	51.40	141.63	6.87
16109	Upland-MtBaldy	51.55	141.65	6.87
16110	Upland-MtBaldy	52.15	141.66	6.87
16111	Upland-MtBaldy	52.46	141.68	6.87
16112	Upland-MtBaldy	52.56	141.69	6.87
16113	Upland-MtBaldy	52.70	141.71	6.87
16114	Upland-MtBaldy	51.71	141.72	6.87
16115	Upland-MtBaldy	50.26	141.73	6.87
16116	Upland-MtBaldy	48.68	141.75	6.87
16117	Upland-MtBaldy	47.46	141.76	10.00
16118	Upland-MtBaldy	46.36	141.77	10.00
16119	Upland-MtBaldy	45.23	141.80	10.00
16120	Upland-MtBaldy	46.49	141.80	10.00
16121	Upland-MtBaldy	46.75	141.81	10.00
16122	Upland-MtBaldy	47.22	141.83	10.00
16123	Upland-MtBaldy	47.56	141.84	10.00
16124	Upland-MtBaldy	47.88	141.85	9.17
16125	Upland-MtBaldy	48.20	141.86	9.17
16126	Upland-MtBaldy	48.74	141.88	9.17
16127	Upland-MtBaldy	49.17	141.89	9.17
16128	Upland-MtBaldy	49.45	141.91	9.17
16129	Upland-MtBaldy	49.19	141.92	9.17
16130	Upland-MtBaldy	48.54	141.93	9.17
16131	Upland-MtBaldy	47.77	141.95	9.17
16132	Upland-MtBaldy	46.50	141.96	8.57
16133	Upland-MtBaldy	45.06	141.97	8.57
16134	Upland-MtBaldy	43.70	141.98	8.57
16135	Upland-MtBaldy	42.39	141.99	8.57
16136	Upland-MtBaldy	40.81	142.00	8.57
16137	Upland-MtBaldy	39.30	142.02	8.57
16138	Upland-MtBaldy	37.75	142.03	8.57
16139	Upland-MtBaldy	35.91	142.04	8.57
16140	Upland-MtBaldy	33.66	142.05	8.57
16141	Upland-MtBaldy	31.67	142.05	6.81
16142	Upland-MtBaldy	30.00	142.06	6.81
16143	Upland-MtBaldy	28.68	142.07	6.81
16144	Upland-MtBaldy	27.91	142.08	6.81
16145	Upland-MtBaldy	27.69	142.09	6.81
16146	Upland-MtBaldy	27.87	142.09	6.81

time (s)	route	speed (mph)	distance (mi)	grade (%)
15991	Upland-MtBaldy	32.61	140.44	7.65
15992	Upland-MtBaldy	32.30	140.45	7.65
15993	Upland-MtBaldy	32.80	140.46	6.94
15994	Upland-MtBaldy	24.52	140.47	6.94
15995	Upland-MtBaldy	36.37	140.48	6.94
15996	Upland-MtBaldy	37.53	140.49	6.94
15997	Upland-MtBaldy	38.24	140.50	6.94
15998	Upland-MtBaldy	38.42	140.51	6.94
15999	Upland-MtBaldy	38.30	140.52	6.94
16000	Upland-MtBaldy	37.77	140.53	6.94
16001	Upland-MtBaldy	37.41	140.54	6.94
16002	Upland-MtBaldy	37.02	140.55	6.94
16003	Upland-MtBaldy	36.30	140.56	10.99
16004	Upland-MtBaldy	35.42	140.57	10.99
16005	Upland-MtBaldy	34.04	140.58	10.99
16006	Upland-MtBaldy	32.44	140.59	10.99
16007	Upland-MtBaldy	31.24	140.59	10.99
16008	Upland-MtBaldy	30.56	140.60	10.99
16009	Upland-MtBaldy	29.48	140.61	10.99
16010	Upland-MtBaldy	30.24	140.62	10.99
16011	Upland-MtBaldy	29.42	140.63	10.99
16012	Upland-MtBaldy	34.30	140.64	10.99
16013	Upland-MtBaldy	35.63	140.65	10.99
16014	Upland-MtBaldy	34.29	140.66	11.20
16015	Upland-MtBaldy	32.17	140.67	11.20
16016	Upland-MtBaldy	31.29	140.67	11.20
16017	Upland-MtBaldy	30.72	140.68	11.20
16018	Upland-MtBaldy	30.66	140.69	11.20
16019	Upland-MtBaldy	32.75	140.70	11.20
16020	Upland-MtBaldy	35.15	140.71	11.20
16021	Upland-MtBaldy	37.03	140.72	11.20
16022	Upland-MtBaldy	38.57	140.73	11.20
16023	Upland-MtBaldy	39.23	140.74	11.20
16024	Upland-MtBaldy	39.60	140.75	9.74
16025	Upland-MtBaldy	39.52	140.76	9.74
16026	Upland-MtBaldy	39.19	140.77	9.74
16027	Upland-MtBaldy	38.62	140.78	9.74
16028	Upland-MtBaldy	37.66	140.80	9.74
16029	Upland-MtBaldy	36.40	140.81	9.74
16030	Upland-MtBaldy	35.09	140.81	9.74
16031	Upland-MtBaldy	33.71	140.82	9.74
16032	Upland-MtBaldy	32.61	140.83	9.74
16033	Upland-MtBaldy	33.01	140.84	9.74
16034	Upland-MtBaldy	33.79	140.85	10.42
16035	Upland-MtBaldy	32.87	140.86	10.42
16036	Upland-MtBaldy	31.57	140.87	10.42
16037	Upland-MtBaldy	29.88	140.88	10.42
16038	Upland-MtBaldy	28.28	140.8	

time (s)	route	speed (mph)	distance (mi)	grade (%)
16225	Upland-MtBaldy	23.96	142.75	6.71
16226	Upland-MtBaldy	24.09	142.76	6.71
16227	Upland-MtBaldy	24.49	142.77	6.71
16228	Upland-MtBaldy	24.87	142.77	6.71
16229	Upland-MtBaldy	25.71	142.78	6.71
16230	Upland-MtBaldy	27.53	142.79	6.71
16231	Upland-MtBaldy	28.59	142.80	6.71
16232	Upland-MtBaldy	29.78	142.81	6.71
16233	Upland-MtBaldy	29.88	142.81	6.71
16234	Upland-MtBaldy	30.00	142.82	6.71
16235	Upland-MtBaldy	30.64	142.83	6.71
16236	Upland-MtBaldy	31.06	142.84	6.71
16237	Upland-MtBaldy	31.86	142.85	6.71
16238	Upland-MtBaldy	33.10	142.86	6.61
16239	Upland-MtBaldy	34.48	142.87	5.61
16240	Upland-MtBaldy	35.84	142.88	5.61
16241	Upland-MtBaldy	36.50	142.89	5.61
16242	Upland-MtBaldy	35.66	142.90	5.61
16243	Upland-MtBaldy	36.05	142.91	5.61
16244	Upland-MtBaldy	36.23	142.92	5.61
16245	Upland-MtBaldy	36.45	142.93	5.61
16246	Upland-MtBaldy	35.58	142.94	5.61
16247	Upland-MtBaldy	35.26	142.95	5.61
16248	Upland-MtBaldy	35.57	142.96	4.89
16249	Upland-MtBaldy	36.09	142.97	4.89
16250	Upland-MtBaldy	37.09	142.98	4.89
16251	Upland-MtBaldy	37.51	142.99	4.89
16252	Upland-MtBaldy	38.50	143.00	4.89
16253	Upland-MtBaldy	39.39	143.01	4.89
16254	Upland-MtBaldy	40.15	143.02	4.89
16255	Upland-MtBaldy	40.15	143.03	4.89
16256	Upland-MtBaldy	41.36	143.04	4.89
16257	Upland-MtBaldy	42.06	143.05	4.54
16258	Upland-MtBaldy	42.36	143.06	4.54
16259	Upland-MtBaldy	42.48	143.08	4.54
16260	Upland-MtBaldy	42.52	143.09	4.54
16261	Upland-MtBaldy	42.04	143.10	4.54
16262	Upland-MtBaldy	40.05	143.11	4.54
16263	Upland-MtBaldy	38.03	143.12	4.54
16264	Upland-MtBaldy	35.97	143.13	4.54
16265	Upland-MtBaldy	34.50	143.14	4.54
16266	Upland-MtBaldy	33.33	143.15	4.54
16267	Upland-MtBaldy	33.44	143.16	4.27
16268	Upland-MtBaldy	35.16	143.17	4.27
16269	Upland-MtBaldy	34.86	143.18	4.27
16270	Upland-MtBaldy	33.89	143.19	4.27
16271	Upland-MtBaldy	33.78	143.20	4.27
16272	Upland-MtBaldy	34.21	143.21	4.27
16273	Upland-MtBaldy	34.95	143.21	4.27
16274	Upland-MtBaldy	35.88	143.22	4.27
16275	Upland-MtBaldy	36.95	143.23	4.27
16276	Upland-MtBaldy	38.10	143.25	4.27
16277	Upland-MtBaldy	39.04	143.26	7.71
16278	Upland-MtBaldy	39.61	143.27	7.71
16279	Upland-MtBaldy	39.66	143.28	7.71
16280	Upland-MtBaldy	40.04	143.29	7.71
16281	Upland-MtBaldy	40.42	143.30	7.71
16282	Upland-MtBaldy	40.38	143.31	7.71
16283	Upland-MtBaldy	41.93	143.32	7.71
16284	Upland-MtBaldy	42.56	143.33	7.71
16285	Upland-MtBaldy	43.22	143.35	7.71
16286	Upland-MtBaldy	43.64	143.36	8.65
16287	Upland-MtBaldy	43.94	143.37	8.65
16288	Upland-MtBaldy	43.84	143.38	8.65
16289	Upland-MtBaldy	43.64	143.39	8.65
16290	Upland-MtBaldy	43.51	143.41	8.65
16291	Upland-MtBaldy	43.75	143.42	8.65
16292	Upland-MtBaldy	43.94	143.43	8.65
16293	Upland-MtBaldy	44.10	143.44	8.65
16294	Upland-MtBaldy	44.41	143.45	6.64
16295	Upland-MtBaldy	44.75	143.47	6.64
16296	Upland-MtBaldy	44.38	143.48	6.64
16297	Upland-MtBaldy	43.69	143.49	6.64
16298	Upland-MtBaldy	42.58	143.50	6.64
16299	Upland-MtBaldy	41.38	143.51	6.64
16300	Upland-MtBaldy	41.33	143.53	6.64
16301	Upland-MtBaldy	41.03	143.54	6.64
16302	Upland-MtBaldy	41.05	143.55	6.64

time (s)	route	speed (mph)	distance (mi)	grade (%)
16381	Upland-MtBaldy	21.50	144.35	9.57
16382	Upland-MtBaldy	18.28	144.36	9.57
16383	Upland-MtBaldy	14.40	144.36	9.57
16384	Upland-MtBaldy	10.11	144.37	9.57
16385	Upland-MtBaldy	6.88	144.37	9.57
16386	Upland-MtBaldy	6.33	144.37	9.57
16387	Upland-MtBaldy	6.48	144.37	9.57
16388	Upland-MtBaldy	6.33	144.37	9.57
16389	Upland-MtBaldy	6.48	144.37	9.57
16390	Upland-MtBaldy	7.68	144.38	9.57
16391	Upland-MtBaldy	9.89	144.38	9.57
16392	Upland-MtBaldy	11.80	144.38	9.57
16393	Upland-MtBaldy	12.90	144.39	9.57
16394	Upland-MtBaldy	13.20	144.39	9.57
16395	Upland-MtBaldy	13.06	144.39	9.57
16396	Upland-MtBaldy	13.01	144.40	9.57
16397	Upland-MtBaldy	12.84	144.40	9.57
16398	Upland-MtBaldy	12.76	144.40	9.57
16399	Upland-MtBaldy	12.47	144.41	9.57
16400	Upland-MtBaldy	11.94	144.41	9.57
16401	Upland-MtBaldy	11.19	144.41	9.57
16402	Upland-MtBaldy	10.39	144.42	9.57
16403	Upland-MtBaldy	9.59	144.42	9.57
16404	Upland-MtBaldy	8.37	144.42	9.57
16405	Upland-MtBaldy	7.08	144.42	9.57
16406	Upland-MtBaldy	5.80	144.43	9.57
16407	Upland-MtBaldy	5.23	144.43	9.57
16408	Upland-MtBaldy	4.56	144.43	9.57
16409	Upland-MtBaldy	3.05	144.43	9.57
16410	Upland-MtBaldy	0.87	144.43	9.57
16411	Upland-MtBaldy	0.00	144.43	9.57
16412	Upland-MtBaldy	0.00	144.43	9.57
16413	Upland-MtBaldy	0.62	144.43	9.57
16414	Upland-MtBaldy	4.26	144.43	9.57
16415	Upland-MtBaldy	5.07	144.43	9.57
16416	Upland-MtBaldy	4.79	144.43	9.57
16417	Upland-MtBaldy	5.28	144.43	9.57
16418	Upland-MtBaldy	4.58	144.44	9.57
16419	Upland-MtBaldy	2.28	144.44	9.57
16420	Upland-MtBaldy	0.17	144.44	9.57
16421	Upland-MtBaldy	0.00	144.44	9.57
16422	Upland-MtBaldy	0.00	144.44	9.57
16423	Upland-MtBaldy	0.00	144.44	9.57
16424	Upland-MtBaldy	0.00	144.44	9.57
16425	Upland-MtBaldy	0.00	144.44	9.57
16426	Upland-MtBaldy	0.00	144.44	9.57
16427	Upland-MtBaldy	0.00	144.44	9.57
16428	Upland-MtBaldy	0.00	144.44	9.57
16429	Upland-MtBaldy	0.00	144.44	9.57
16430	Upland-MtBaldy	0.00	144.44	9.57
16431	Upland-MtBaldy	0.00	144.44	9.57
16432	Upland-MtBaldy	0.00	144.44	9.57
16433	Upland-MtBaldy	0.00	144.44	9.57
16434	Upland-MtBaldy	0.00	144.44	9.57
16435	Upland-MtBaldy	0.00	144.44	9.57
16436	Upland-MtBaldy	0.00	144.44	9.57
16437	Upland-MtBaldy	0.00	144.44	9.57
16438	Upland-MtBaldy	0.00	144.44	9.57
16439	Upland-MtBaldy	0.00	144.44	9.57
16440	Upland-MtBaldy	0.00	144.44	9.57
16441	Upland-MtBaldy	0.00	144.44	9.57
16442	Upland-MtBaldy	0.00	144.44	9.57
16443	Upland-MtBaldy	0.00	144.44	9.57
16444	Upland-MtBaldy	0.00	144.44	9.57
16445	Upland-MtBaldy	0.00	144.44	9.57
16446	Upland-MtBaldy	0.00	144.44	9.57
16447	Upland-MtBaldy	0.00	144.44	9.57
16448	Upland-MtBaldy	0.00	144.44	9.57
16449	Upland-MtBaldy	0.00	144.44	9.57
16450	Upland-MtBaldy	0.00	144.44	9.57
16451	Upland-MtBaldy	0.00	144.44	9.57
16452	Upland-MtBaldy	0.00	144.44	9.57
16453	Upland-MtBaldy	0.00	144.44	9.57
16454	Upland-MtBaldy	0.00	144.44	9.57
16455	Upland-MtBaldy	0.00	144.44	9.57
16456	Upland-MtBaldy	0.00	144.44	9.57
16457	Upland-MtBaldy	0.00	144.44	9.57
16458	Upland-MtBaldy	0.00	144.44	9.57

time (s)	route	speed (mph)	distance (mi)	grade (%)
16303	Upland-MtBaldy	41.18	143.56	9.59
16304	Upland-MtBaldy	41.20	143.57	9.59
16305	Upland-MtBaldy	40.74	143.58	9.59
16306	Upland-MtBaldy	40.94	143.59	9.59
16307	Upland-MtBaldy	41.34	143.60	9.59
16308	Upland-MtBaldy	41.74	143.62	9.59
16309	Upland-MtBaldy	42.01	143.63	9.59
16310	Upland-MtBaldy	42.10	143.64	9.59
16311	Upland-MtBaldy	42.05	143.65	8.97
16312	Upland-MtBaldy	42.14	143.66	8.97
16313	Upland-MtBaldy	42.35	143.67	8.97
16314	Upland-MtBaldy	42.66	143.69	8.97
16315	Upland-MtBaldy	43.49	143.70	8.97
16316	Upland-MtBaldy	44.26	143.71	8.97
16317	Upland-MtBaldy	45.09	143.72	8.97
16318	Upland-MtBaldy	45.63	143.74	8.97
16319	Upland-MtBaldy	45.80	143.75	8.97
16320	Upland-MtBaldy	45.85	143.76	8.56
16321	Upland-MtBaldy	45.66	143.77	8.56
16322	Upland-MtBaldy	45.18	143.79	8.56
16323	Upland-MtBaldy	44.66	143.80	8.56
16324	Upland-MtBaldy	43.59	143.81	8.56
16325	Upland-MtBaldy	42.13	143.82	8.56
16326	Upland-MtBaldy	42.66	143.83	8.56
16327	Upland-MtBaldy	38.08	143.84	8.56
16328	Upland-MtBaldy	36.47	143.85	8.42
16329	Upland-MtBaldy	35.08	143.86	8.42
16330	Upland-MtBaldy	34.65	143.87	8.42
16331	Upland-MtBaldy	34.40	143.88	8.42
16332	Upland-MtBaldy	34.85	143.89	8.42
16333	Upland-MtBaldy	35.59	143.90	8.42
16334	Upland-MtBaldy	36.79	143.91	8.42
16335	Upland-MtBaldy	37.49	143.92	8.42
16336	Upland-MtBaldy	37.98	143.93	8.42
16337	Upland-MtBaldy	38.17	143.94	8.42
16338	Upland-MtBaldy	38.61	143.95	8.99
16339	Upland-MtBaldy	39.30	143.96	8.99
16340	Upland-MtBaldy	39.96	143.97	8.99
16341	Upland-MtBaldy	40.72	143.99	8.99
16342	Upland-MtBaldy	41.65	144.00	8.99
16343	Upland-MtBaldy	42.66	144.01	8.99
16344	Upland-MtBaldy	43.32	144.02	8.99
16345	Upland-MtBaldy	43.13	144.03	8.99
16346	Upland-MtBaldy	41.91	144.04	8.99
16347	Upland-MtBaldy	40.72	144.07	7.33
16348	Upland-MtBaldy	39.76	144.07	7.33
16349	Upland-MtBaldy	39.44	144.08	7.33
16350	Upland-MtBaldy	39.89	144.09	7.33
16351	Upland-MtBaldy	40.42	144.10	7.33
16352	Upland-MtBaldy	41.07		

time [s]	route	speed [mph]	distance [mi]	grade [%]
16537	IdlieMxBaldy	0.00	144.44	9.57
16538	IdlieMxBaldy	0.00	144.44	9.57
16539	IdlieMxBaldy	0.00	144.44	9.57
16540	IdlieMxBaldy	0.00	144.44	9.57
16541	IdlieMxBaldy	0.00	144.44	9.57
16542	IdlieMxBaldy	0.00	144.44	9.57
16543	IdlieMxBaldy	0.00	144.44	9.57
16544	IdlieMxBaldy	0.00	144.44	9.57
16545	IdlieMxBaldy	0.00	144.44	9.57
16546	IdlieMxBaldy	0.00	144.44	9.57
16547	IdlieMxBaldy	0.00	144.44	9.57
16548	IdlieMxBaldy	0.00	144.44	9.57
16549	IdlieMxBaldy	0.00	144.44	9.57
16550	IdlieMxBaldy	0.00	144.44	9.57
16551	IdlieMxBaldy	0.00	144.44	9.57
16552	IdlieMxBaldy	0.00	144.44	9.57
16553	IdlieMxBaldy	0.00	144.44	9.57
16554	IdlieMxBaldy	0.00	144.44	9.57
16555	IdlieMxBaldy	0.00	144.44	9.57
16556	IdlieMxBaldy	0.00	144.44	9.57
16557	IdlieMxBaldy	0.00	144.44	9.57
16558	IdlieMxBaldy	0.00	144.44	9.57
16559	IdlieMxBaldy	0.00	144.44	9.57
16560	IdlieMxBaldy	0.00	144.44	9.57
16561	IdlieMxBaldy	0.00	144.44	9.57
16562	IdlieMxBaldy	0.00	144.44	9.57
16563	IdlieMxBaldy	0.00	144.44	9.57
16564	IdlieMxBaldy	0.00	144.44	9.57
16565	IdlieMxBaldy	0.00	144.44	9.57
16566	IdlieMxBaldy	0.00	144.44	9.57
16567	IdlieMxBaldy	0.00	144.44	9.57
16568	IdlieMxBaldy	0.00	144.44	9.57
16569	IdlieMxBaldy	0.00	144.44	9.57
16570	IdlieMxBaldy	0.00	144.44	9.57
16571	IdlieMxBaldy	0.00	144.44	9.57
16572	IdlieMxBaldy	0.00	144.44	9.57
16573	IdlieMxBaldy	0.00	144.44	9.57
16574	IdlieMxBaldy	0.00	144.44	9.57
16575	IdlieMxBaldy	0.00	144.44	9.57
16576	IdlieMxBaldy	0.00	144.44	9.57
16577	IdlieMxBaldy	0.00	144.44	9.57
16578	IdlieMxBaldy	0.00	144.44	9.57
16579	IdlieMxBaldy	0.00	144.44	9.57
16580	IdlieMxBaldy	0.00	144.44	9.57
16581	IdlieMxBaldy	0.00	144.44	9.57
16582	IdlieMxBaldy	0.00	144.44	9.57
16583	IdlieMxBaldy	0.00	144.44	9.57
16584	IdlieMxBaldy	0.00	144.44	9.57
16585	IdlieMxBaldy	0.00	144.44	9.57
16586	IdlieMxBaldy	0.00	144.44	9.57
16587	IdlieMxBaldy	0.00	144.44	9.57
16588	IdlieMxBaldy	0.00	144.44	9.57
16589	IdlieMxBaldy	0.00	144.44	9.57
16590	IdlieMxBaldy	0.00	144.44	9.57
16591	IdlieMxBaldy	0.00	144.44	9.57
16592	IdlieMxBaldy	0.00	144.44	9.57
16593	IdlieMxBaldy	0.00	144.44	9.57
16594	IdlieMxBaldy	0.00	144.44	9.57
16595	IdlieMxBaldy	0.00	144.44	9.57
16596	IdlieMxBaldy	0.00	144.44	9.57
16597	IdlieMxBaldy	0.00	144.44	9.57
16598	IdlieMxBaldy	0.00	144.44	9.57
16599	IdlieMxBaldy	0.00	144.44	9.57
16600	IdlieMxBaldy	0.00	144.44	9.57
16601	IdlieMxBaldy	0.00	144.44	9.57
16602	IdlieMxBaldy	0.00	144.44	9.57
16603	IdlieMxBaldy	0.00	144.44	9.57
16604	IdlieMxBaldy	0.00	144.44	9.57
16605	IdlieMxBaldy	0.00	144.44	9.57
16606	IdlieMxBaldy	0.00	144.44	9.57
16607	IdlieMxBaldy	0.00	144.44	9.57
16608	MtBaldy-Upland	0.00	144.44	9.57
16609	MtBaldy-Upland	0.00	144.44	9.57
16610	MtBaldy-Upland	0.00	144.44	9.57
16611	MtBaldy-Upland	0.00	144.44	9.57
16612	MtBaldy-Upland	0.00	144.44	9.57
16613	MtBaldy-Upland	0.00	144.44	9.57
16614	MtBaldy-Upland	0.00	144.44	9.57

time [s]	route	speed [mph]	distance [mi]	grade [%]
16693	MtBaldy-Upland	42.39	145.10	-7.36
16694	MtBaldy-Upland	41.46	145.11	-7.36
16695	MtBaldy-Upland	40.52	145.12	-7.36
16696	MtBaldy-Upland	40.06	145.13	-7.36
16697	MtBaldy-Upland	40.48	145.15	-7.36
16698	MtBaldy-Upland	39.90	145.16	-7.20
16699	MtBaldy-Upland	39.02	145.17	-7.20
16700	MtBaldy-Upland	37.74	145.18	-7.20
16701	MtBaldy-Upland	36.57	145.19	-7.20
16702	MtBaldy-Upland	35.84	145.20	-7.20
16703	MtBaldy-Upland	35.11	145.21	-7.20
16704	MtBaldy-Upland	35.17	145.22	-7.20
16705	MtBaldy-Upland	35.68	145.23	-7.20
16706	MtBaldy-Upland	36.35	145.24	-7.20
16707	MtBaldy-Upland	37.09	145.25	-7.20
16708	MtBaldy-Upland	38.21	145.26	-10.29
16709	MtBaldy-Upland	39.45	145.27	-10.29
16710	MtBaldy-Upland	40.58	145.28	-10.29
16711	MtBaldy-Upland	40.46	145.29	-10.29
16712	MtBaldy-Upland	39.91	145.30	-10.29
16713	MtBaldy-Upland	39.19	145.31	-10.29
16714	MtBaldy-Upland	38.76	145.32	-10.29
16715	MtBaldy-Upland	38.59	145.33	-10.29
16716	MtBaldy-Upland	39.34	145.34	-10.29
16717	MtBaldy-Upland	40.20	145.35	-7.90
16718	MtBaldy-Upland	40.61	145.37	-7.90
16719	MtBaldy-Upland	40.28	145.38	-7.90
16720	MtBaldy-Upland	39.91	145.39	-7.90
16721	MtBaldy-Upland	39.69	145.40	-7.90
16722	MtBaldy-Upland	39.42	145.41	-7.90
16723	MtBaldy-Upland	38.82	145.42	-7.90
16724	MtBaldy-Upland	38.14	145.43	-7.90
16725	MtBaldy-Upland	37.18	145.44	-7.90
16726	MtBaldy-Upland	35.58	145.45	-8.06
16727	MtBaldy-Upland	34.39	145.46	-8.06
16728	MtBaldy-Upland	32.95	145.47	-8.06
16729	MtBaldy-Upland	32.83	145.48	-8.06
16730	MtBaldy-Upland	32.63	145.49	-8.06
16731	MtBaldy-Upland	31.77	145.50	-8.06
16732	MtBaldy-Upland	31.01	145.50	-8.06
16733	MtBaldy-Upland	30.39	145.51	-8.06
16734	MtBaldy-Upland	29.81	145.52	-8.06
16735	MtBaldy-Upland	28.82	145.53	-8.06
16736	MtBaldy-Upland	27.49	145.54	-8.06
16737	MtBaldy-Upland	26.16	145.54	-8.06
16738	MtBaldy-Upland	25.05	145.55	-9.40
16739	MtBaldy-Upland	24.41	145.56	-9.40
16740	MtBaldy-Upland	24.14	145.56	-9.40
16741	MtBaldy-Upland	25.11	145.57	-9.40
16742	MtBaldy-Upland	24.60	145.58	-9.40
16743	MtBaldy-Upland	24.24	145.58	-9.40
16744	MtBaldy-Upland	23.43	145.59	-9.40
16745	MtBaldy-Upland	22.26	145.60	-9.40
16746	MtBaldy-Upland	21.77	145.60	-9.40
16747	MtBaldy-Upland	23.04	145.61	-9.40
16748	MtBaldy-Upland	25.21	145.62	-9.40
16749	MtBaldy-Upland	28.08	145.62	-9.40
16750	MtBaldy-Upland	31.10	145.63	-9.40
16751	MtBaldy-Upland	34.02	145.64	-9.40
16752	MtBaldy-Upland	36.79	145.65	-8.18
16753	MtBaldy-Upland	39.23	145.66	-8.18
16754	MtBaldy-Upland	41.78	145.67	-8.18
16755	MtBaldy-Upland	43.39	145.69	-8.18
16756	MtBaldy-Upland	43.81	145.70	-8.18
16757	MtBaldy-Upland	44.63	145.71	-8.18
16758	MtBaldy-Upland	45.43	145.72	-8.18
16759	MtBaldy-Upland	46.12	145.74	-8.18
16760	MtBaldy-Upland	46.75	145.75	-8.18
16761	MtBaldy-Upland	47.62	145.76	-4.68
16762	MtBaldy-Upland	47.43	145.78	-4.68
16763	MtBaldy-Upland	45.28	145.79	-4.68
16764	MtBaldy-Upland	42.74	145.80	-6.68
16765	MtBaldy-Upland	40.71	145.81	-4.68
16766	MtBaldy-Upland	38.41	145.82	-4.68
16767	MtBaldy-Upland	36.11	145.83	-6.68
16768	MtBaldy-Upland	35.76	145.84	-4.68
16769	MtBaldy-Upland	35.27	145.85	-8.23
16770	MtBaldy-Upland	34.87	145.86	-8.23

time [s]	route	speed [mph]	distance [mi]	grade [%]
16615	MtBaldy-Upland	1.47	144.44	9.57
16616	MtBaldy-Upland	3.59	144.44	9.57
16617	MtBaldy-Upland	6.94	144.44	9.57
16618	MtBaldy-Upland	8.91	144.44	9.57
16619	MtBaldy-Upland	9.73	144.45	9.57
16620	MtBaldy-Upland	9.86	144.45	9.57
16621	MtBaldy-Upland	9.61	144.45	9.57
16622	MtBaldy-Upland	9.85	144.45	7.59
16623	MtBaldy-Upland	10.94	144.46	7.59
16624	MtBaldy-Upland	12.47	144.46	7.59
16625	MtBaldy-Upland	14.27	144.46	7.59
16626	MtBaldy-Upland	16.22	144.47	7.59
16627	MtBaldy-Upland	18.25	144.47	7.59
16628	MtBaldy-Upland	19.38	144.48	7.59
16629	MtBaldy-Upland	19.55	144.48	7.59
16630	MtBaldy-Upland	19.17	144.49	7.59
16631	MtBaldy-Upland	18.01	144.49	7.59
16632	MtBaldy-Upland	16.59	144.50	7.59
16633	MtBaldy-Upland	15.18	144.50	7.59
16634	MtBaldy-Upland	13.70	144.51	7.59
16635	MtBaldy-Upland	12.12	144.51	7.59
16636	MtBaldy-Upland	9.92	144.51	7.59
16637	MtBaldy-Upland	7.59	144.51	7.59
16638	MtBaldy-Upland	6.54	144.52	7.59
16639	MtBaldy-Upland	8.72	144.52	7.59
16640	MtBaldy-Upland	12.87	144.52	7.59
16641	MtBaldy-Upland	18.83	144.53	7.59
16642	MtBaldy-Upland	26.54	144.53	7.59
16643	MtBaldy-Upland	34.14	144.54	7.59
16644	MtBaldy-Upland	39.87	144.56	10.00
16645	MtBaldy-Upland	44.49	144.57	10.00
16646	MtBaldy-Upland	46.29	144.58	10.00
16647	MtBaldy-Upland	46.40	144.59	10.00
16648	MtBaldy-Upland	45.74	144.61	10.00
16649	MtBaldy-Upland	44.62	144.62	10.00
16650	MtBaldy-Upland	45.16	144.63	10.00
16651	MtBaldy-Upland	43.58	144.64	10.00
16652	MtBaldy-Upland	42.19	144.65	-15.76
16653	MtBaldy-Upland	40.93	144.67	-15.76
16654	MtBaldy-Upland	39.63	144.68	-15.76
16655	MtBaldy-Upland	38.51	144.69	-15.76
16656	MtBaldy-Upland	37.38	144.70	-15.76
16657	MtBaldy-Upland	36.60	144.71	-15.76
16658	MtBaldy-Upland	37.57	144.72	-15.76
16659	MtBaldy-Upland	38.71	144.73	-15.76
16660	MtBaldy-Upland	39.94	144.74	-15.76
16661	MtBaldy-Upland	40.92	144.75	-10.09
16662	MtBaldy-Upland	40.92	144.76	-10.09
16663	MtBaldy-Upland	40.41	144.77	-10.09
16664	MtBaldy-Upland	39.98	144.78	-10.09
16665	MtBaldy-Upland	39.58	144.79	-10.09
16666	MtBaldy-Upland	39.06	144.80	-10.09
16667	MtBaldy-Upland	38.44	144.82	-10.09
16668	MtBaldy-Upland	37.61	144.83	-10.09
16669	MtBaldy-Upland	37.69</		

time (s)	route	speed (mph)	distance (mi)	grade (%)
16849	MtBaldy-Upland	26.00	146.37	-6.45
16850	MtBaldy-Upland	26.57	146.37	-6.45
16851	MtBaldy-Upland	27.01	146.38	-6.45
16852	MtBaldy-Upland	26.63	146.39	-6.45
16853	MtBaldy-Upland	25.92	146.40	-6.45
16854	MtBaldy-Upland	25.04	146.40	-6.45
16855	MtBaldy-Upland	24.11	146.41	-6.45
16856	MtBaldy-Upland	24.30	146.42	-6.45
16857	MtBaldy-Upland	24.84	146.42	-6.45
16858	MtBaldy-Upland	25.49	146.43	-6.45
16859	MtBaldy-Upland	25.96	146.44	-6.45
16860	MtBaldy-Upland	26.01	146.45	-6.45
16861	MtBaldy-Upland	25.56	146.45	-6.45
16862	MtBaldy-Upland	25.45	146.46	-6.45
16863	MtBaldy-Upland	26.05	146.47	-6.45
16864	MtBaldy-Upland	26.41	146.47	-6.45
16865	MtBaldy-Upland	26.80	146.48	-6.45
16866	MtBaldy-Upland	26.93	146.49	-6.45
16867	MtBaldy-Upland	27.01	146.50	-6.45
16868	MtBaldy-Upland	27.18	146.50	-6.45
16869	MtBaldy-Upland	27.53	146.51	-6.45
16870	MtBaldy-Upland	27.96	146.52	-6.45
16871	MtBaldy-Upland	27.84	146.53	-6.45
16872	MtBaldy-Upland	28.22	146.53	-6.45
16873	MtBaldy-Upland	27.74	146.54	-6.45
16874	MtBaldy-Upland	27.00	146.55	-6.45
16875	MtBaldy-Upland	25.56	146.56	-9.13
16876	MtBaldy-Upland	24.17	146.56	-9.13
16877	MtBaldy-Upland	24.52	146.57	-9.13
16878	MtBaldy-Upland	24.44	146.58	-9.13
16879	MtBaldy-Upland	24.27	146.58	-9.13
16880	MtBaldy-Upland	24.13	146.59	-9.13
16881	MtBaldy-Upland	24.05	146.60	-9.13
16882	MtBaldy-Upland	24.08	146.60	-9.13
16883	MtBaldy-Upland	24.18	146.61	-9.13
16884	MtBaldy-Upland	23.92	146.62	-9.13
16885	MtBaldy-Upland	23.33	146.62	-9.13
16886	MtBaldy-Upland	23.70	146.63	-9.13
16887	MtBaldy-Upland	25.50	146.64	-9.13
16888	MtBaldy-Upland	27.11	146.64	-9.13
16889	MtBaldy-Upland	28.41	146.65	-9.96
16890	MtBaldy-Upland	29.93	146.66	-9.96
16891	MtBaldy-Upland	31.72	146.67	-9.96
16892	MtBaldy-Upland	32.93	146.68	-9.96
16893	MtBaldy-Upland	33.90	146.69	-9.96
16894	MtBaldy-Upland	34.41	146.70	-9.96
16895	MtBaldy-Upland	34.75	146.71	-9.96
16896	MtBaldy-Upland	34.88	146.72	-9.96
16897	MtBaldy-Upland	34.76	146.72	-9.96
16898	MtBaldy-Upland	34.89	146.73	-9.96
16899	MtBaldy-Upland	35.87	146.74	-9.96
16900	MtBaldy-Upland	36.62	146.75	-9.96
16901	MtBaldy-Upland	37.43	146.76	-9.96
16902	MtBaldy-Upland	35.80	146.77	-9.96
16903	MtBaldy-Upland	33.75	146.78	-9.96
16904	MtBaldy-Upland	32.08	146.79	-9.96
16905	MtBaldy-Upland	31.71	146.80	-9.96
16906	MtBaldy-Upland	32.29	146.81	-9.96
16907	MtBaldy-Upland	32.71	146.82	-9.96
16908	MtBaldy-Upland	33.29	146.83	-9.96
16909	MtBaldy-Upland	33.76	146.84	-9.96
16910	MtBaldy-Upland	34.23	146.85	-9.96
16911	MtBaldy-Upland	34.72	146.86	-9.96
16912	MtBaldy-Upland	35.08	146.87	-9.96
16913	MtBaldy-Upland	35.54	146.88	-9.96
16914	MtBaldy-Upland	35.94	146.89	-9.96
16915	MtBaldy-Upland	35.97	146.90	-9.96
16916	MtBaldy-Upland	34.64	146.91	-9.96
16917	MtBaldy-Upland	32.95	146.91	-9.96
16918	MtBaldy-Upland	31.49	146.92	-9.96
16919	MtBaldy-Upland	31.06	146.93	-9.96
16920	MtBaldy-Upland	31.53	146.94	-9.96
16921	MtBaldy-Upland	31.89	146.95	-9.96
16922	MtBaldy-Upland	32.20	146.96	-10.39
16923	MtBaldy-Upland	32.42	146.97	-10.39
16924	MtBaldy-Upland	32.94	146.98	-10.39
16925	MtBaldy-Upland	33.36	146.98	-10.39
16926	MtBaldy-Upland	33.60	146.99	-10.39

time (s)	route	speed (mph)	distance (mi)	grade (%)
17005	MtBaldy-Upland	28.62	147.72	-3.12
17006	MtBaldy-Upland	28.03	147.73	-3.12
17007	MtBaldy-Upland	28.09	147.73	-3.12
17008	MtBaldy-Upland	28.18	147.74	-3.12
17009	MtBaldy-Upland	28.22	147.75	-3.12
17010	MtBaldy-Upland	28.08	147.76	-4.85
17011	MtBaldy-Upland	28.54	147.77	-4.85
17012	MtBaldy-Upland	30.23	147.77	-4.85
17013	MtBaldy-Upland	30.64	147.78	-4.85
17014	MtBaldy-Upland	32.45	147.79	-4.85
17015	MtBaldy-Upland	32.73	147.80	-4.85
17016	MtBaldy-Upland	32.86	147.81	-4.85
17017	MtBaldy-Upland	33.52	147.82	-4.85
17018	MtBaldy-Upland	33.32	147.83	-4.85
17019	MtBaldy-Upland	32.92	147.84	-4.85
17020	MtBaldy-Upland	32.51	147.85	-4.85
17021	MtBaldy-Upland	32.60	147.85	-4.71
17022	MtBaldy-Upland	32.88	147.86	-4.71
17023	MtBaldy-Upland	33.07	147.87	-4.71
17024	MtBaldy-Upland	32.64	147.88	-4.71
17025	MtBaldy-Upland	32.41	147.89	-4.71
17026	MtBaldy-Upland	32.80	147.90	-4.71
17027	MtBaldy-Upland	32.92	147.91	-4.71
17028	MtBaldy-Upland	32.65	147.92	-4.71
17029	MtBaldy-Upland	32.27	147.93	-4.71
17030	MtBaldy-Upland	32.25	147.94	-4.71
17031	MtBaldy-Upland	32.36	147.94	-4.71
17032	MtBaldy-Upland	32.43	147.95	-10.84
17033	MtBaldy-Upland	32.35	147.96	-10.84
17034	MtBaldy-Upland	32.24	147.97	-10.84
17035	MtBaldy-Upland	32.57	147.98	-10.84
17036	MtBaldy-Upland	35.04	147.99	-10.84
17037	MtBaldy-Upland	38.44	148.00	-10.84
17038	MtBaldy-Upland	40.84	148.01	-10.84
17039	MtBaldy-Upland	39.83	148.02	-10.84
17040	MtBaldy-Upland	36.37	148.03	-10.84
17041	MtBaldy-Upland	33.52	148.04	-10.84
17042	MtBaldy-Upland	31.21	148.05	-10.84
17043	MtBaldy-Upland	30.07	148.06	-11.36
17044	MtBaldy-Upland	29.82	148.07	-11.36
17045	MtBaldy-Upland	30.54	148.07	-11.36
17046	MtBaldy-Upland	31.21	148.08	-11.36
17047	MtBaldy-Upland	31.38	148.09	-11.36
17048	MtBaldy-Upland	30.94	148.10	-11.36
17049	MtBaldy-Upland	30.43	148.11	-11.36
17050	MtBaldy-Upland	30.23	148.12	-11.36
17051	MtBaldy-Upland	30.74	148.13	-11.36
17052	MtBaldy-Upland	30.13	148.13	-11.36
17053	MtBaldy-Upland	28.97	148.14	-11.36
17054	MtBaldy-Upland	27.40	148.15	-11.36
17055	MtBaldy-Upland	26.69	148.16	-10.44
17056	MtBaldy-Upland	27.25	148.16	-10.44
17057	MtBaldy-Upland	28.14	148.17	-10.44
17058	MtBaldy-Upland	29.47	148.18	-10.44
17059	MtBaldy-Upland	31.27	148.19	-10.44
17060	MtBaldy-Upland	32.07	148.20	-10.44
17061	MtBaldy-Upland	32.71	148.21	-10.44
17062	MtBaldy-Upland	33.38	148.22	-10.44
17063	MtBaldy-Upland	33.43	148.22	-10.44
17064	MtBaldy-Upland	32.75	148.23	-10.44
17065	MtBaldy-Upland	32.03	148.24	-10.44
17066	MtBaldy-Upland	31.08	148.25	-11.67
17067	MtBaldy-Upland	30.41	148.26	-11.67
17068	MtBaldy-Upland	30.99	148.27	-11.67
17069	MtBaldy-Upland	31.90	148.28	-11.67
17070	MtBaldy-Upland	33.42	148.29	-11.67
17071	MtBaldy-Upland	34.27	148.30	-11.67
17072	MtBaldy-Upland	34.33	148.31	-11.67
17073	MtBaldy-Upland	34.54	148.31	-11.67
17074	MtBaldy-Upland	33.03	148.32	-11.67
17075	MtBaldy-Upland	31.42	148.33	-11.67
17076	MtBaldy-Upland	29.81	148.34	-11.67
17077	MtBaldy-Upland	28.20	148.35	-11.67
17078	MtBaldy-Upland	27.52	148.36	-9.20
17079	MtBaldy-Upland	28.13	148.36	-9.20
17080	MtBaldy-Upland	29.87	148.37	-9.20
17081	MtBaldy-Upland	31.16	148.38	-9.20
17082	MtBaldy-Upland	31.63	148.39	-9.20

time (s)	route	speed (mph)	distance (mi)	grade (%)
16927	MtBaldy-Upland	33.97	147.00	-10.39
16928	MtBaldy-Upland	34.36	147.01	-10.39
16929	MtBaldy-Upland	34.57	147.02	-10.39
16930	MtBaldy-Upland	34.85	147.03	-10.39
16931	MtBaldy-Upland	34.44	147.04	-10.39
16932	MtBaldy-Upland	33.68	147.05	-9.36
16933	MtBaldy-Upland	33.08	147.06	-9.36
16934	MtBaldy-Upland	33.27	147.07	-9.36
16935	MtBaldy-Upland	33.56	147.08	-9.36
16936	MtBaldy-Upland	33.95	147.09	-9.36
16937	MtBaldy-Upland	34.33	147.10	-9.36
16938	MtBaldy-Upland	34.57	147.11	-9.36
16939	MtBaldy-Upland	34.90	147.12	-9.36
16940	MtBaldy-Upland	35.26	147.13	-9.36
16941	MtBaldy-Upland	34.88	147.14	-9.36
16942	MtBaldy-Upland	34.14	147.14	-9.36
16943	MtBaldy-Upland	33.29	147.15	-8.40
16944	MtBaldy-Upland	32.46	147.16	-8.40
16945	MtBaldy-Upland	32.65	147.17	-8.40
16946	MtBaldy-Upland	33.02	147.18	-8.40
16947	MtBaldy-Upland	33.44	147.19	-8.40
16948	MtBaldy-Upland	33.74	147.20	-8.40
16949	MtBaldy-Upland	34.32	147.21	-8.40
16950	MtBaldy-Upland	34.79	147.22	-8.40
16951	MtBaldy-Upland	35.38	147.23	-8.40
16952	MtBaldy-Upland	35.89	147.24	-8.40
16953	MtBaldy-Upland	36.35	147.25	-8.40
16954	MtBaldy-Upland	36.79	147.26	-8.40
16955	MtBaldy-Upland	37.05	147.27	-10.05
16956	MtBaldy-Upland	37.86	147.28	-10.05
16957	MtBaldy-Upland	38.60	147.29	-10.05
16958	MtBaldy-Upland	38.01	147.30	-10.05
16959	MtBaldy-Upland	36.78	147.31	-10.05
16960	MtBaldy-Upland	34.99	147.32	-10.05
16961	MtBaldy-Upland	34.27	147.33	-10.05
16962	MtBaldy-Upland	34.82	147.34	-10.05
16963	MtBaldy-Upland	35.31	147.35	-10.05
16964	MtBaldy-Upland	35.26	147.36	-7.99
16965	MtBaldy-Upland	35.12	147.37	-7.99
16966	MtBaldy-Upland	34.75	147.38	-7.99
16967	MtBaldy-Upland	34.16	147.39	-7.99
16968	MtBaldy-Upland	33.29	147.40	-7.99
16969	MtBaldy-Upland	32.24	147.40	-7.99
16970	MtBaldy-Upland	31.88	147.41	-7.99
16971	MtBaldy-Upland	32.12	147.42	-7.99
16972	MtBaldy-Upland	32.92	147.43	-7.99
16973	MtBaldy-Upland	33.84	147.44	-7.99
16974	MtBaldy-Upland	34.36	147.45	-7.99
16975	MtBaldy-Upland	33.36	147.46	-9.83
16976	MtBaldy-Upland	32.10	147.47	-9.83
16977	MtBaldy-Upland	30.99	147.48	-9.83

time (s)	route	speed (mph)	distance (mi)	grade (%)
17164	MTBaldy-Upgrade	39.02	149.12	-9.33
17165	MTBaldy-Upgrade	37.95	149.13	-9.33
17166	MTBaldy-Upgrade	36.22	149.14	-9.33
17167	MTBaldy-Upgrade	35.24	149.15	-9.33
17168	MTBaldy-Upgrade	35.18	149.16	-10.15
17169	MTBaldy-Upgrade	34.72	149.17	-10.15
17170	MTBaldy-Upgrade	35.11	149.18	-10.15
17171	MTBaldy-Upgrade	35.23	149.19	-10.15
17172	MTBaldy-Upgrade	35.05	149.20	-10.15
17173	MTBaldy-Upgrade	34.81	149.21	-10.15
17174	MTBaldy-Upgrade	34.45	149.22	-10.15
17175	MTBaldy-Upgrade	34.50	149.23	-10.15
17176	MTBaldy-Upgrade	35.45	149.23	-10.15
17177	MTBaldy-Upgrade	35.17	149.24	-10.15
17178	MTBaldy-Upgrade	34.77	149.25	-8.33
17179	MTBaldy-Upgrade	34.19	149.26	-8.33
17180	MTBaldy-Upgrade	33.59	149.27	-8.33
17181	MTBaldy-Upgrade	32.60	149.28	-8.33
17182	MTBaldy-Upgrade	31.42	149.29	-8.33
17183	MTBaldy-Upgrade	31.23	149.30	-8.33
17184	MTBaldy-Upgrade	32.24	149.31	-8.33
17185	MTBaldy-Upgrade	33.38	149.32	-8.33
17186	MTBaldy-Upgrade	33.68	149.33	-8.33
17187	MTBaldy-Upgrade	32.81	149.34	-8.33
17188	MTBaldy-Upgrade	33.33	149.34	-8.33
17189	MTBaldy-Upgrade	34.36	149.35	-9.40
17190	MTBaldy-Upgrade	35.66	149.36	-9.40
17191	MTBaldy-Upgrade	37.06	149.37	-9.40
17192	MTBaldy-Upgrade	37.56	149.38	-9.40
17193	MTBaldy-Upgrade	36.70	149.39	-9.40
17194	MTBaldy-Upgrade	36.60	149.40	-9.40
17195	MTBaldy-Upgrade	36.33	149.41	-9.40
17196	MTBaldy-Upgrade	35.38	149.42	-9.40
17197	MTBaldy-Upgrade	34.81	149.43	-9.40
17198	MTBaldy-Upgrade	33.76	149.44	-9.40
17199	MTBaldy-Upgrade	33.75	149.45	-6.16
17200	MTBaldy-Upgrade	33.33	149.46	-6.16
17201	MTBaldy-Upgrade	32.25	149.47	-6.16
17202	MTBaldy-Upgrade	31.75	149.48	-6.16
17203	MTBaldy-Upgrade	31.91	149.49	-6.16
17204	MTBaldy-Upgrade	32.23	149.50	-6.16
17205	MTBaldy-Upgrade	32.39	149.51	-6.16
17206	MTBaldy-Upgrade	32.65	149.51	-6.16
17207	MTBaldy-Upgrade	33.34	149.52	-6.16
17208	MTBaldy-Upgrade	33.69	149.53	-6.16
17209	MTBaldy-Upgrade	34.95	149.54	-6.16
17210	MTBaldy-Upgrade	35.37	149.55	-3.26
17211	MTBaldy-Upgrade	36.60	149.56	-3.26
17212	MTBaldy-Upgrade	36.47	149.57	-3.26
17213	MTBaldy-Upgrade	36.50	149.58	-3.26
17214	MTBaldy-Upgrade	35.18	149.59	-3.26
17215	MTBaldy-Upgrade	33.17	149.60	-3.26
17216	MTBaldy-Upgrade	32.68	149.61	-3.26
17217	MTBaldy-Upgrade	33.40	149.62	-3.26
17218	MTBaldy-Upgrade	34.36	149.63	-3.26
17219	MTBaldy-Upgrade	35.53	149.64	-3.26
17220	MTBaldy-Upgrade	36.66	149.65	-3.26
17221	MTBaldy-Upgrade	36.18	149.66	-2.45
17222	MTBaldy-Upgrade	36.18	149.67	-2.45
17223	MTBaldy-Upgrade	36.83	149.68	-2.45
17224	MTBaldy-Upgrade	37.05	149.69	-2.45
17225	MTBaldy-Upgrade	36.90	149.70	-2.45
17226	MTBaldy-Upgrade	36.64	149.71	-2.45
17227	MTBaldy-Upgrade	36.78	149.72	-2.45
17228	MTBaldy-Upgrade	36.86	149.73	-2.45
17229	MTBaldy-Upgrade	36.85	149.74	-2.45
17230	MTBaldy-Upgrade	37.17	149.75	-2.45
17231	MTBaldy-Upgrade	38.02	149.76	1.35
17232	MTBaldy-Upgrade	38.66	149.77	1.35
17233	MTBaldy-Upgrade	38.97	149.78	1.35
17234	MTBaldy-Upgrade	38.98	149.79	1.35
17235	MTBaldy-Upgrade	38.28	149.80	1.35
17236	MTBaldy-Upgrade	37.40	149.81	1.35
17237	MTBaldy-Upgrade	36.32	149.82	1.35
17238	MTBaldy-Upgrade	35.35	149.83	1.35
17239	MTBaldy-Upgrade	35.17	149.84	1.35
17240	MTBaldy-Upgrade	35.43	149.85	1.83
17241	MTBaldy-Upgrade	35.63	149.86	1.83

time (s)	route	speed (mph)	distance (mi)	grade (%)
17317	MTBaldy-Upgrade	35.00	150.67	-4.68
17318	MTBaldy-Upgrade	35.33	150.67	-4.68
17319	MTBaldy-Upgrade	35.62	150.68	-4.68
17320	MTBaldy-Upgrade	35.96	150.69	-4.68
17321	MTBaldy-Upgrade	36.27	150.70	-4.68
17322	MTBaldy-Upgrade	36.64	150.71	-4.68
17323	MTBaldy-Upgrade	36.60	150.72	-4.68
17324	MTBaldy-Upgrade	35.23	150.73	-4.68
17325	MTBaldy-Upgrade	33.73	150.74	-4.68
17326	MTBaldy-Upgrade	32.43	150.75	-5.45
17327	MTBaldy-Upgrade	31.12	150.76	-5.45
17328	MTBaldy-Upgrade	29.76	150.77	-5.45
17329	MTBaldy-Upgrade	28.94	150.78	-5.45
17330	MTBaldy-Upgrade	28.90	150.79	-5.45
17331	MTBaldy-Upgrade	29.78	150.79	-5.45
17332	MTBaldy-Upgrade	31.43	150.80	-5.45
17333	MTBaldy-Upgrade	34.84	150.81	-5.45
17334	MTBaldy-Upgrade	38.75	150.82	-5.45
17335	MTBaldy-Upgrade	42.29	150.83	-5.45
17336	MTBaldy-Upgrade	45.29	150.85	-5.45
17337	MTBaldy-Upgrade	48.21	150.86	-4.89
17338	MTBaldy-Upgrade	51.33	150.87	-4.89
17339	MTBaldy-Upgrade	53.12	150.89	-4.89
17340	MTBaldy-Upgrade	52.81	150.90	-4.89
17341	MTBaldy-Upgrade	52.70	150.92	-4.89
17342	MTBaldy-Upgrade	53.14	150.93	-4.89
17343	MTBaldy-Upgrade	53.48	150.95	-4.89
17344	MTBaldy-Upgrade	53.45	150.96	-4.89
17345	MTBaldy-Upgrade	52.47	150.98	-8.93
17346	MTBaldy-Upgrade	51.37	150.99	-8.93
17347	MTBaldy-Upgrade	52.29	151.00	-8.93
17348	MTBaldy-Upgrade	52.58	151.02	-8.93
17349	MTBaldy-Upgrade	53.00	151.03	-8.93
17350	MTBaldy-Upgrade	53.82	151.05	-8.93
17351	MTBaldy-Upgrade	53.99	151.06	-9.13
17352	MTBaldy-Upgrade	53.70	151.08	-9.13
17353	MTBaldy-Upgrade	53.12	151.09	-9.13
17354	MTBaldy-Upgrade	52.85	151.11	-9.13
17355	MTBaldy-Upgrade	52.05	151.12	-9.13
17356	MTBaldy-Upgrade	52.06	151.14	-9.13
17357	MTBaldy-Upgrade	52.83	151.15	-9.13
17358	MTBaldy-Upgrade	52.29	151.16	-8.40
17359	MTBaldy-Upgrade	51.63	151.18	-8.40
17360	MTBaldy-Upgrade	52.06	151.19	-8.40
17361	MTBaldy-Upgrade	53.06	151.21	-8.40
17362	MTBaldy-Upgrade	53.80	151.22	-8.40
17363	MTBaldy-Upgrade	53.54	151.24	-8.40
17364	MTBaldy-Upgrade	53.09	151.25	-8.40
17365	MTBaldy-Upgrade	53.96	151.27	-3.22
17366	MTBaldy-Upgrade	53.97	151.28	-3.22
17367	MTBaldy-Upgrade	53.40	151.30	-3.22
17368	MTBaldy-Upgrade	53.17	151.31	-3.22
17369	MTBaldy-Upgrade	53.09	151.32	-3.22
17370	MTBaldy-Upgrade	53.60	151.34	-3.22
17371	MTBaldy-Upgrade	53.66	151.35	-3.22
17372	MTBaldy-Upgrade	53.42	151.37	-3.22
17373	MTBaldy-Upgrade	53.28	151.38	-3.22
17374	MTBaldy-Upgrade	53.05	151.40	-3.22
17375	MTBaldy-Upgrade	52.95	151.41	-3.22
17376	MTBaldy-Upgrade	52.62	151.43	-3.22
17377	MTBaldy-Upgrade	51.90	151.44	-3.22
17378	MTBaldy-Upgrade	50.40	151.46	-3.73
17379	MTBaldy-Upgrade	48.94	151.47	-3.73
17380	MTBaldy-Upgrade	47.39	151.48	-3.73
17381	MTBaldy-Upgrade	47.37	151.49	-3.73
17382	MTBaldy-Upgrade	47.31	151.51	-3.73
17383	MTBaldy-Upgrade	47.16	151.52	-3.73
17384	MTBaldy-Upgrade	46.44	151.53	-3.73
17385	MTBaldy-Upgrade	45.54	151.55	-3.73
17386	MTBaldy-Upgrade	45.51	151.56	-3.19
17387	MTBaldy-Upgrade	46.10	151.57	-3.19
17388	MTBaldy-Upgrade	47.04	151.58	-3.19
17389	MTBaldy-Upgrade	47.05	151.60	-3.19
17390	MTBaldy-Upgrade	47.05	151.61	-3.19
17391	MTBaldy-Upgrade	45.73	151.62	-3.19
17392	MTBaldy-Upgrade	44.27	151.63	-3.19
17393	MTBaldy-Upgrade	42.86	151.65	-3.19
17394	MTBaldy-Upgrade	42.87	151.66	-5.33

time (s)	route	speed (mph)	distance (mi)	grade (%)
17238	MTBaldy-Upgrade	35.68	149.87	1.83
17239	MTBaldy-Upgrade	35.73	149.88	1.83
17240	MTBaldy-Upgrade	36.79	149.89	1.83
17241	MTBaldy-Upgrade	38.59	149.90	1.83
17242	MTBaldy-Upgrade	39.45	149.91	1.83
17243	MTBaldy-Upgrade	39.47	149.92	1.83
17244	MTBaldy-Upgrade	40.41	149.94	1.83
17245	MTBaldy-Upgrade	41.32	149.95	1.83
17246	MTBaldy-Upgrade	41.25	149.96	-7.62
17247	MTBaldy-Upgrade	41.15	149.97	-7.62
17248	MTBaldy-Upgrade	41.07	149.98	-7.62
17249	MTBaldy-Upgrade	41.76	149.99	-7.62
17250	MTBaldy-Upgrade	41.24	150.00	-7.62
17251	MTBaldy-Upgrade	40.69	150.01	-7.62
17252	MTBaldy-Upgrade	39.48	150.03	-7.62
17253	MTBaldy-Upgrade	39.00	150.04	-7.62
17254	MTBaldy-Upgrade	38.33	150.05	-7.62
17255	MTBaldy-Upgrade	37.38	150.06	-7.43
17256	MTBaldy-Upgrade	37.43	150.07	-7.43
17257	MTBaldy-Upgrade	37.08	150.08	-7.43
17258	MTBaldy-Upgrade	36.14	150.09	-7.43
17259	MTBaldy-Upgrade	35.56	150.10	-7.43
17260	MTBaldy-Upgrade	36.33	150.11	-7.43
17261	MTBaldy-Upgrade	35.87	150.12	-7.43
17262	MTBaldy-Upgrade	35.28	150.13	-7.43
17263	MTBaldy-Upgrade	35.23	150.14	-7.43
17264	MTBaldy-Upgrade	35.79	150.15	-7.43
17265	MTBaldy-Upgrade	35.33	150.16	-8.90
17266	MTBaldy-Upgrade	35.18	150.17	-8.90
17267	MTBaldy-Upgrade	35.34	150.18	-8.90
17268	MTBaldy-Upgrade	36.13	150.19	-8.90
17269	MTBaldy-Upgrade	36.76	150.20	-8.90
17270	MTBaldy-Upgrade	37.22	150.21	-8.90
17271	MTBaldy-Upgrade	37.42	150.22	-8.90
17272	MTBaldy-Upgrade	37.23	150.23	-8.90
17273	MTBaldy-Upgrade	36.98	150.24	-8.90
17274	MTBaldy-Upgrade	36.73	150.25	-8.90
17275	MTBaldy-Upgrade	36.58	150.26	-5.15
17276	MTBaldy-Upgrade	37.70	150.27	-5.15
17277	MTBaldy-Upgrade	38.11	150.28	-5.15
17278	MTBaldy-Upgrade	37.89	150.29	-5.15
17279	MTBaldy-Upgrade	37.56	150.30	-5.15
17280	MTBaldy-Upgrade	36.99	150.31	-5.15
17281	MTBaldy-Upgrade	36.55	150.32	-5.15
17282	MTBaldy-Upgrade	36.13	150.33	-5.15
17283	MTBaldy-Upgrade	37.20	150.34	-3.24
17284	MTBaldy-Upgrade	38.48	150.35	-3.24
17285	MTBaldy-Upgrade	39.17	150.36	-2.44
17286	MTBaldy-Upgrade	38.72	150.37	-2.44
17287	MTBaldy-Upgrade	37.85	150.38	-2.44
17288	MTBaldy-Upgrade	36.72	150.39	-2.44
17289	MTBaldy-Upgrade	36.40	150.40	-2.44
17290	MTBaldy-Upgrade	34.65	150.41	-2.44
17291	MTBaldy-Upgrade	35.30	150.42	-2.44
17292	MTBaldy-Upgrade	35.28	150.43	-2.44
17293	MTBaldy-Upgrade	36.10	15	

time (s)	route	speed (mph)	distance (mi)	grade (%)
17473	MTBaldy-Upland	55.35	152.74	-8.78
17474	MTBaldy-Upland	54.95	152.76	-5.86
17475	MTBaldy-Upland	54.96	152.77	-5.86
17476	MTBaldy-Upland	54.75	152.79	-5.86
17477	MTBaldy-Upland	54.97	152.80	-5.86
17478	MTBaldy-Upland	54.97	152.82	-5.86
17479	MTBaldy-Upland	54.46	152.83	-5.86
17480	MTBaldy-Upland	54.15	152.85	-5.86
17481	MTBaldy-Upland	53.65	152.86	-10.43
17482	MTBaldy-Upland	53.21	152.87	-10.43
17483	MTBaldy-Upland	52.95	152.89	-10.43
17484	MTBaldy-Upland	52.62	152.90	-10.43
17485	MTBaldy-Upland	52.44	152.92	-10.43
17486	MTBaldy-Upland	52.16	152.93	-10.43
17487	MTBaldy-Upland	51.91	152.95	-10.43
17488	MTBaldy-Upland	51.64	152.96	-9.50
17489	MTBaldy-Upland	51.30	152.98	-9.50
17490	MTBaldy-Upland	51.01	152.99	-9.50
17491	MTBaldy-Upland	50.86	153.00	-9.50
17492	MTBaldy-Upland	50.70	153.02	-9.50
17493	MTBaldy-Upland	50.65	153.03	-9.50
17494	MTBaldy-Upland	50.56	153.04	-9.50
17495	MTBaldy-Upland	50.61	153.06	-7.93
17496	MTBaldy-Upland	50.50	153.07	-7.93
17497	MTBaldy-Upland	50.37	153.09	-7.93
17498	MTBaldy-Upland	50.13	153.10	-7.93
17499	MTBaldy-Upland	49.93	153.11	-7.93
17500	MTBaldy-Upland	49.71	153.13	-7.93
17501	MTBaldy-Upland	49.33	153.14	-7.93
17502	MTBaldy-Upland	48.61	153.15	-4.66
17503	MTBaldy-Upland	47.75	153.17	-4.66
17504	MTBaldy-Upland	46.68	153.18	-4.66
17505	MTBaldy-Upland	45.53	153.19	-4.66
17506	MTBaldy-Upland	43.92	153.21	-4.66
17507	MTBaldy-Upland	42.35	153.22	-4.66
17508	MTBaldy-Upland	40.88	153.23	-4.66
17509	MTBaldy-Upland	40.39	153.24	-4.66
17510	MTBaldy-Upland	38.84	153.25	-4.66
17511	MTBaldy-Upland	36.12	153.26	-4.70
17512	MTBaldy-Upland	32.95	153.27	-4.70
17513	MTBaldy-Upland	28.86	153.28	-4.70
17514	MTBaldy-Upland	24.12	153.28	-4.70
17515	MTBaldy-Upland	19.60	153.29	-4.70
17516	MTBaldy-Upland	14.96	153.29	-4.70
17517	MTBaldy-Upland	9.29	153.30	-4.70
17518	MTBaldy-Upland	4.84	153.30	-4.70
17519	MTBaldy-Upland	1.48	153.30	-4.70
17520	MTBaldy-Upland	0.00	153.30	-4.70
17521	MTBaldy-Upland	0.27	153.30	-4.70
17522	MTBaldy-Upland	5.00	153.30	-4.70
17523	MTBaldy-Upland	11.23	153.30	-4.70
17524	MTBaldy-Upland	15.52	153.31	-4.70
17525	MTBaldy-Upland	17.97	153.31	-4.70
17526	MTBaldy-Upland	19.47	153.32	-4.70
17527	MTBaldy-Upland	22.04	153.32	-4.70
17528	MTBaldy-Upland	25.23	153.33	-4.70
17529	MTBaldy-Upland	28.50	153.33	-4.70
17530	MTBaldy-Upland	31.67	153.35	-4.70
17531	MTBaldy-Upland	34.97	153.36	-5.44
17532	MTBaldy-Upland	37.73	153.37	-5.44
17533	MTBaldy-Upland	40.38	153.38	-5.44
17534	MTBaldy-Upland	42.80	153.39	-5.44
17535	MTBaldy-Upland	45.08	153.40	-5.44
17536	MTBaldy-Upland	47.16	153.41	-5.44
17537	MTBaldy-Upland	48.99	153.43	-5.44
17538	MTBaldy-Upland	50.05	153.44	-5.44
17539	MTBaldy-Upland	49.92	153.46	-4.68
17540	MTBaldy-Upland	50.66	153.47	-4.68
17541	MTBaldy-Upland	51.81	153.48	-4.68
17542	MTBaldy-Upland	52.65	153.50	-4.68
17543	MTBaldy-Upland	52.47	153.51	-4.68
17544	MTBaldy-Upland	52.16	153.53	-4.68
17545	MTBaldy-Upland	54.07	153.54	-4.68
17546	MTBaldy-Upland	54.34	153.56	-3.46
17547	MTBaldy-Upland	54.69	153.57	-3.46
17548	MTBaldy-Upland	54.64	153.59	-3.46
17549	MTBaldy-Upland	55.15	153.60	-3.46
17550	MTBaldy-Upland	55.29	153.62	-3.46

time (s)	route	speed (mph)	distance (mi)	grade (%)
17629	MTBaldy-Upland	53.98	154.77	-3.26
17630	MTBaldy-Upland	53.45	154.79	-3.26
17631	MTBaldy-Upland	53.37	154.80	-3.26
17632	MTBaldy-Upland	53.04	154.82	-3.26
17633	MTBaldy-Upland	52.81	154.83	-3.26
17634	MTBaldy-Upland	52.85	154.84	-3.26
17635	MTBaldy-Upland	53.38	154.86	-3.26
17636	MTBaldy-Upland	53.37	154.87	-2.86
17637	MTBaldy-Upland	52.44	154.89	-2.86
17638	MTBaldy-Upland	51.33	154.90	-2.86
17639	MTBaldy-Upland	49.60	154.92	-2.86
17640	MTBaldy-Upland	48.25	154.93	-2.86
17641	MTBaldy-Upland	47.42	154.94	-2.86
17642	MTBaldy-Upland	45.98	154.95	-3.04
17643	MTBaldy-Upland	44.77	154.97	-3.04
17644	MTBaldy-Upland	43.76	154.98	-3.04
17645	MTBaldy-Upland	41.82	154.99	-3.04
17646	MTBaldy-Upland	39.58	155.00	-3.04
17647	MTBaldy-Upland	36.82	155.01	-3.04
17648	MTBaldy-Upland	33.93	155.02	-3.04
17649	MTBaldy-Upland	31.38	155.03	-3.04
17650	MTBaldy-Upland	28.45	155.04	-3.04
17651	MTBaldy-Upland	25.18	155.04	-3.04
17652	MTBaldy-Upland	21.95	155.05	-3.04
17653	MTBaldy-Upland	18.84	155.06	-2.82
17654	MTBaldy-Upland	15.62	155.06	-2.82
17655	MTBaldy-Upland	11.98	155.06	-2.82
17656	MTBaldy-Upland	8.69	155.07	-2.82
17657	MTBaldy-Upland	8.75	155.07	-2.82
17658	MTBaldy-Upland	12.51	155.07	-2.82
17659	MTBaldy-Upland	16.58	155.08	-2.82
17660	MTBaldy-Upland	19.77	155.08	-2.82
17661	MTBaldy-Upland	20.88	155.09	-2.82
17662	MTBaldy-Upland	20.32	155.09	-2.82
17663	MTBaldy-Upland	19.34	155.10	-2.82
17664	MTBaldy-Upland	18.29	155.10	-2.82
17665	MTBaldy-Upland	17.88	155.11	-2.82
17666	MTBaldy-Upland	19.87	155.11	-2.82
17667	MTBaldy-Upland	23.55	155.12	-2.82
17668	MTBaldy-Upland	27.39	155.13	-2.82
17669	MTBaldy-Upland	30.88	155.14	-2.82
17670	MTBaldy-Upland	33.79	155.15	-2.82
17671	MTBaldy-Upland	36.12	155.16	-2.88
17672	MTBaldy-Upland	38.09	155.17	-2.88
17673	MTBaldy-Upland	39.11	155.18	-2.88
17674	MTBaldy-Upland	38.89	155.19	-2.88
17675	MTBaldy-Upland	37.33	155.20	-2.88
17676	MTBaldy-Upland	34.65	155.21	-2.88
17677	MTBaldy-Upland	32.23	155.22	-2.88
17678	MTBaldy-Upland	29.92	155.22	-2.88
17679	MTBaldy-Upland	26.32	155.23	-2.88
17680	MTBaldy-Upland	21.52	155.24	-2.88
17681	MTBaldy-Upland	16.52	155.24	-2.88
17682	MTBaldy-Upland	11.72	155.24	-2.88
17683	MTBaldy-Upland	7.45	155.25	-2.88
17684	MTBaldy-Upland	5.20	155.25	-2.88
17685	MTBaldy-Upland	3.96	155.25	-2.88
17686	MTBaldy-Upland	2.67	155.25	-2.75
17687	MTBaldy-Upland	1.90	155.25	-3.75
17688	MTBaldy-Upland	1.09	155.25	-3.75
17689	MTBaldy-Upland	0.00	155.25	-3.75
17690	MTBaldy-Upland	0.00	155.25	-3.75
17691	MTBaldy-Upland	0.00	155.25	-3.75
17692	MTBaldy-Upland	0.00	155.25	-3.75
17693	MTBaldy-Upland	0.00	155.25	-3.75
17694	MTBaldy-Upland	0.00	155.25	-3.75
17695	MTBaldy-Upland	0.00	155.25	-3.75
17696	MTBaldy-Upland	0.00	155.25	-3.75
17697	MTBaldy-Upland	0.00	155.25	-3.75
17698	MTBaldy-Upland	0.00	155.25	-3.75
17699	MTBaldy-Upland	0.00	155.25	-3.75
17700	MTBaldy-Upland	0.00	155.25	-3.75
17701	MTBaldy-Upland	0.00	155.25	-3.75
17702	MTBaldy-Upland	0.00	155.25	-3.75
17703	MTBaldy-Upland	0.00	155.25	-3.75
17704	MTBaldy-Upland	0.00	155.25	-3.75
17705	MTBaldy-Upland	0.00	155.25	-3.75
17706	MTBaldy-Upland	0.00	155.25	-3.75

time (s)	route	speed (mph)	distance (mi)	grade (%)
17551	MTBaldy-Upland	55.25	153.63	-3.46
17552	MTBaldy-Upland	55.67	153.65	-3.46
17553	MTBaldy-Upland	55.29	153.66	-2.09
17554	MTBaldy-Upland	54.07	153.68	-2.09
17555	MTBaldy-Upland	53.09	153.69	-2.09
17556	MTBaldy-Upland	53.54	153.71	-2.09
17557	MTBaldy-Upland	54.58	153.72	-2.09
17558	MTBaldy-Upland	55.37	153.74	-2.09
17559	MTBaldy-Upland	55.76	153.75	-2.09
17560	MTBaldy-Upland	56.09	153.77	-2.92
17561	MTBaldy-Upland	55.56	153.78	-2.92
17562	MTBaldy-Upland	55.23	153.80	-2.92
17563	MTBaldy-Upland	55.13	153.81	-2.92
17564	MTBaldy-Upland	55.25	153.83	-2.92
17565	MTBaldy-Upland	55.73	153.84	-2.92
17566	MTBaldy-Upland	55.18	153.86	-2.56
17567	MTBaldy-Upland	55.16	153.87	-2.56
17568	MTBaldy-Upland	56.44	153.89	-2.56
17569	MTBaldy-Upland	55.46	153.90	-2.56
17570	MTBaldy-Upland	54.96	153.92	-2.56
17571	MTBaldy-Upland	54.01	153.93	-2.56
17572	MTBaldy-Upland	53.05	153.95	-2.56
17573	MTBaldy-Upland	52.95	153.96	-2.35
17574	MTBaldy-Upland	53.56	153.98	-2.35
17575	MTBaldy-Upland	54.04	153.99	-2.35
17576	MTBaldy-Upland	54.38	154.01	-2.35
17577	MTBaldy-Upland	54.38	154.02	-2.35
17578	MTBaldy-Upland	53.84	154.04	-2.35
17579	MTBaldy-Upland	53.20	154.05	-2.35
17580	MTBaldy-Upland	52.48	154.07	-3.39
17581	MTBaldy-Upland	52.44	154.08	-3.39
17582	MTBaldy-Upland	53.24	154.10	-3.39
17583	MTBaldy-Upland	53.35	154.11	-3.39
17584	MTBaldy-Upland	52.56	154.13	-3.39
17585	MTBaldy-Upland	52.24	154.14	-3.39
17586	MTBaldy-Upland	52.72	154.15	-3.25
17587	MTBaldy-Upland	52.62	154.17	-3.25
17588	MTBaldy-Upland	52.55	154.18	-3.25
17589	MTBaldy-Upland	52.77	154.20	-3.25
17590	MTBaldy-Upland	52.27	154.21	-3.25
17591	MTBaldy-Upland	51.84	154.23	-3.25
17592	MTBaldy-Upland	51.81	154.24	-3.25
17593	MTBaldy-Upland	51.27	154.25	-3.25
17594	MTBaldy-Upland	51.49	154.27	-2.27
17595	MTBaldy-Upland	51.46	154.28	-2.27
17596	MTBaldy-Upland	51.27	154.30	-2.27
17597	MTBaldy-Upland	50.97	154.31	-2.27
17598	MTBaldy-Upland	50.40	154.33	-2.27
17599	MTBaldy-Upland	50.05	154.34	-2.27
17600	MTBaldy-Upland	50.00	154.35	-3.07
17601	MTBaldy-Upland	50.54	154.37	-3.07
17602	MTBaldy-Upland	50.14	154.38	-3.07
17603	MTBaldy-Upland	51.50	154.39	

time (s)	route	speed (mph)	distance (mi)	grade (%)
18097	Upland-CECER7	5.76	155.64	4.92
18098	Upland-CECER7	5.26	155.64	4.92
18099	Upland-CECER7	4.92	155.64	4.92
18100	Upland-CECER7	4.44	155.64	4.92
18101	Upland-CECER7	3.96	155.65	4.92
18102	Upland-CECER7	3.56	155.65	4.92
18103	Upland-CECER7	2.97	155.65	4.92
18104	Upland-CECER7	1.93	155.65	4.92
18105	Upland-CECER7	0.80	155.65	4.92
18106	Upland-CECER7	0.00	155.65	4.92
18107	Upland-CECER7	0.00	155.65	4.92
18108	Upland-CECER7	0.00	155.65	4.92
18109	Upland-CECER7	0.00	155.65	4.92
18110	Upland-CECER7	0.00	155.65	4.92
18111	Upland-CECER7	0.00	155.65	4.92
18112	Upland-CECER7	0.00	155.65	4.92
18113	Upland-CECER7	0.00	155.65	4.92
18114	Upland-CECER7	0.00	155.65	4.92
18115	Upland-CECER7	0.00	155.65	4.92
18116	Upland-CECER7	0.00	155.65	4.92
18117	Upland-CECER7	0.00	155.65	4.92
18118	Upland-CECER7	0.00	155.65	4.92
18119	Upland-CECER7	0.00	155.65	4.92
18120	Upland-CECER7	0.00	155.65	4.92
18121	Upland-CECER7	0.00	155.65	4.92
18122	Upland-CECER7	0.00	155.65	4.92
18123	Upland-CECER7	0.00	155.65	4.92
18124	Upland-CECER7	0.00	155.65	4.92
18125	Upland-CECER7	0.00	155.65	4.92
18126	Upland-CECER7	0.00	155.65	4.92
18127	Upland-CECER7	0.00	155.65	4.92
18128	Upland-CECER7	0.00	155.65	4.92
18129	Upland-CECER7	0.00	155.65	4.92
18130	Upland-CECER7	0.00	155.65	4.92
18131	Upland-CECER7	0.00	155.65	4.92
18132	Upland-CECER7	0.00	155.65	4.92
18133	Upland-CECER7	0.00	155.65	4.92
18134	Upland-CECER7	0.00	155.65	4.92
18135	Upland-CECER7	0.00	155.65	4.92
18136	Upland-CECER7	0.00	155.65	4.92
18137	Upland-CECER7	0.00	155.65	4.92
18138	Upland-CECER7	0.00	155.65	4.92
18139	Upland-CECER7	0.00	155.65	4.92
18140	Upland-CECER7	0.00	155.65	4.92
18141	Upland-CECER7	0.00	155.65	4.92
18142	Upland-CECER7	0.00	155.65	4.92
18143	Upland-CECER7	0.00	155.65	4.92
18144	Upland-CECER7	0.00	155.65	4.92
18145	Upland-CECER7	0.00	155.65	4.92
18146	Upland-CECER7	0.00	155.65	4.92
18147	Upland-CECER7	0.00	155.65	4.92
18148	Upland-CECER7	0.00	155.65	4.92
18149	Upland-CECER7	0.15	155.65	4.92
18150	Upland-CECER7	2.05	155.65	4.92
18151	Upland-CECER7	2.44	155.65	4.92
18152	Upland-CECER7	1.24	155.65	4.92
18153	Upland-CECER7	1.98	155.65	-1.16
18154	Upland-CECER7	5.73	155.65	-1.16
18155	Upland-CECER7	9.20	155.65	-1.16
18156	Upland-CECER7	11.66	155.66	-1.16
18157	Upland-CECER7	13.73	155.66	-1.16
18158	Upland-CECER7	17.13	155.67	-1.16
18159	Upland-CECER7	21.29	155.67	-1.16
18160	Upland-CECER7	27.40	155.68	-1.16
18161	Upland-CECER7	34.43	155.69	-1.16
18162	Upland-CECER7	40.91	155.70	-1.16
18163	Upland-CECER7	46.48	155.71	-1.16
18164	Upland-CECER7	51.56	155.73	-1.16
18165	Upland-CECER7	55.61	155.74	-1.16
18166	Upland-CECER7	59.04	155.76	-1.59
18167	Upland-CECER7	62.35	155.78	-1.59
18168	Upland-CECER7	62.58	155.79	-1.59
18169	Upland-CECER7	61.47	155.81	-1.59
18170	Upland-CECER7	60.39	155.83	-1.59
18171	Upland-CECER7	60.11	155.84	-1.59
18172	Upland-CECER7	60.35	155.86	0.21
18173	Upland-CECER7	60.75	155.88	0.21
18174	Upland-CECER7	60.90	155.89	0.21

time (s)	route	speed (mph)	distance (mi)	grade (%)
18253	Upland-CECER7	0.00	156.25	-0.18
18254	Upland-CECER7	0.00	156.25	-0.18
18255	Upland-CECER7	0.00	156.25	-0.18
18256	Upland-CECER7	0.00	156.25	-0.18
18257	Upland-CECER7	0.00	156.25	-0.18
18258	Upland-CECER7	0.00	156.25	-0.18
18259	Upland-CECER7	0.00	156.25	-0.18
18260	Upland-CECER7	0.00	156.25	-0.18
18261	Upland-CECER7	0.00	156.25	-0.18
18262	Upland-CECER7	0.00	156.25	-0.18
18263	Upland-CECER7	0.00	156.25	-0.18
18264	Upland-CECER7	0.00	156.25	-0.18
18265	Upland-CECER7	0.00	156.25	-0.18
18266	Upland-CECER7	0.00	156.25	-0.18
18267	Upland-CECER7	0.00	156.25	-0.18
18268	Upland-CECER7	0.96	156.25	-0.18
18269	Upland-CECER7	5.39	156.25	-0.18
18270	Upland-CECER7	10.65	156.25	-0.18
18271	Upland-CECER7	14.57	156.26	-0.18
18272	Upland-CECER7	18.31	156.26	-0.18
18273	Upland-CECER7	21.69	156.27	-0.18
18274	Upland-CECER7	24.17	156.27	-0.18
18275	Upland-CECER7	26.11	156.28	-0.18
18276	Upland-CECER7	28.86	156.29	-0.18
18277	Upland-CECER7	30.71	156.30	-0.18
18278	Upland-CECER7	32.01	156.30	-0.18
18279	Upland-CECER7	33.16	156.31	-0.18
18280	Upland-CECER7	33.12	156.32	-0.18
18281	Upland-CECER7	34.64	156.33	-0.18
18282	Upland-CECER7	36.72	156.34	-0.18
18283	Upland-CECER7	37.97	156.35	0.24
18284	Upland-CECER7	38.80	156.36	0.24
18285	Upland-CECER7	39.69	156.37	0.24
18286	Upland-CECER7	40.68	156.39	0.24
18287	Upland-CECER7	41.72	156.40	0.24
18288	Upland-CECER7	42.70	156.41	0.24
18289	Upland-CECER7	43.55	156.42	0.24
18290	Upland-CECER7	43.61	156.43	0.24
18291	Upland-CECER7	43.03	156.44	0.24
18292	Upland-CECER7	43.74	156.46	0.17
18293	Upland-CECER7	44.37	156.47	0.17
18294	Upland-CECER7	44.57	156.48	0.17
18295	Upland-CECER7	44.77	156.49	0.17
18296	Upland-CECER7	45.42	156.51	0.17
18297	Upland-CECER7	44.85	156.52	0.17
18298	Upland-CECER7	44.42	156.53	0.17
18299	Upland-CECER7	45.29	156.54	0.17
18300	Upland-CECER7	46.21	156.56	0.24
18301	Upland-CECER7	46.93	156.57	0.24
18302	Upland-CECER7	47.28	156.58	0.24
18303	Upland-CECER7	47.28	156.59	0.24
18304	Upland-CECER7	46.73	156.61	0.24
18305	Upland-CECER7	46.94	156.62	0.24
18306	Upland-CECER7	46.67	156.63	0.24
18307	Upland-CECER7	46.62	156.65	0.24
18308	Upland-CECER7	46.80	156.66	0.19
18309	Upland-CECER7	46.58	156.67	0.19
18310	Upland-CECER7	45.54	156.68	0.19
18311	Upland-CECER7	45.17	156.70	0.19
18312	Upland-CECER7	44.57	156.71	0.19
18313	Upland-CECER7	44.69	156.72	0.19
18314	Upland-CECER7	44.14	156.73	0.19
18315	Upland-CECER7	43.53	156.75	0.19
18316	Upland-CECER7	42.79	156.76	-0.12
18317	Upland-CECER7	42.11	156.77	-0.12
18318	Upland-CECER7	42.14	156.78	-0.12
18319	Upland-CECER7	42.88	156.79	-0.12
18320	Upland-CECER7	42.63	156.80	-0.12
18321	Upland-CECER7	41.67	156.82	-0.12
18322	Upland-CECER7	40.17	156.83	-0.12
18323	Upland-CECER7	37.66	156.84	-0.12
18324	Upland-CECER7	34.58	156.85	-0.12
18325	Upland-CECER7	31.24	156.85	-0.58
18326	Upland-CECER7	28.22	156.86	-0.58
18327	Upland-CECER7	25.28	156.87	-0.58
18328	Upland-CECER7	22.14	156.88	-0.58
18329	Upland-CECER7	18.81	156.88	-0.58
18330	Upland-CECER7	14.99	156.88	-0.58

time (s)	route	speed (mph)	distance (mi)	grade (%)
18175	Upland-CECER7	60.09	155.91	0.21
18176	Upland-CECER7	58.18	155.93	0.21
18177	Upland-CECER7	58.62	155.94	0.21
18178	Upland-CECER7	57.71	155.96	0.86
18179	Upland-CECER7	57.45	155.97	0.86
18180	Upland-CECER7	57.50	155.99	0.86
18181	Upland-CECER7	57.32	156.01	0.86
18182	Upland-CECER7	56.72	156.02	0.86
18183	Upland-CECER7	56.38	156.04	0.86
18184	Upland-CECER7	56.73	156.05	0.31
18185	Upland-CECER7	56.80	156.07	0.31
18186	Upland-CECER7	55.13	156.08	0.31
18187	Upland-CECER7	51.57	156.10	0.31
18188	Upland-CECER7	47.43	156.11	0.31
18189	Upland-CECER7	43.26	156.12	0.31
18190	Upland-CECER7	39.33	156.13	0.31
18191	Upland-CECER7	36.21	156.14	0.31
18192	Upland-CECER7	33.67	156.15	-0.18
18193	Upland-CECER7	31.09	156.16	-0.18
18194	Upland-CECER7	28.67	156.17	-0.18
18195	Upland-CECER7	26.20	156.18	-0.18
18196	Upland-CECER7	23.76	156.18	-0.18
18197	Upland-CECER7	21.53	156.19	-0.18
18198	Upland-CECER7	20.09	156.19	-0.18
18199	Upland-CECER7	20.04	156.20	-0.18
18200	Upland-CECER7	19.69	156.20	-0.18
18201	Upland-CECER7	18.32	156.21	-0.18
18202	Upland-CECER7	16.62	156.21	-0.18
18203	Upland-CECER7	14.64	156.22	-0.18
18204	Upland-CECER7	13.28	156.22	-0.18
18205	Upland-CECER7	12.19	156.22	-0.18
18206	Upland-CECER7	10.88	156.23	-0.18
18207	Upland-CECER7	9.12	156.23	-0.18
18208	Upland-CECER7	6.84	156.23	-0.18
18209	Upland-CECER7	4.81	156.23	-0.18
18210	Upland-CECER7	3.87	156.23	-0.18
18211	Upland-CECER7	3.06	156.24	-0.18
18212	Upland-CECER7	2.20	156.24	-0.18
18213	Upland-CECER7	2.20	156.24	-0.18
18214	Upland-CECER7	3.22	156.24	-0.18
18215	Upland-CECER7	4.18	156.24	-0.18
18216	Upland-CECER7	4.98	156.24	-0.18
18217	Upland-CECER7	5.48	156.24	-0.18
18218	Upland-CECER7	5.22	156.24	-0.18
18219	Upland-CECER7	4.73	156.24	-0.18
18220	Upland-CECER7	3.85	156.25	-0.18
18221	Upland-CECER7	2.61	156.25	-0.18
18222	Upland-CECER7	1.02	156.25	-0.18
18223	Upland-CECER7	0.00	156.25	-0.18
18224	Upland-CECER7	0.00	156.25	-0.18
18225	Upland-CECER			

time (s)	route	speed (mph)	distance (mi)	grade (%)
18405	Upland-CECERT	44.82	157.05	-0.43
18410	Upland-CECERT	46.66	157.06	-0.62
18411	Upland-CECERT	48.65	157.07	-0.62
18412	Upland-CECERT	50.74	157.09	-0.62
18413	Upland-CECERT	51.24	157.10	-0.62
18414	Upland-CECERT	50.72	157.11	-0.62
18415	Upland-CECERT	51.62	157.13	-0.62
18416	Upland-CECERT	52.42	157.14	-0.62
18417	Upland-CECERT	52.05	157.16	-1.08
18418	Upland-CECERT	51.95	157.17	-1.08
18419	Upland-CECERT	52.67	157.19	-1.08
18420	Upland-CECERT	53.65	157.20	-1.08
18421	Upland-CECERT	54.51	157.22	-1.08
18422	Upland-CECERT	54.84	157.23	-1.08
18423	Upland-CECERT	55.46	157.25	-1.08
18424	Upland-CECERT	55.85	157.26	-1.18
18425	Upland-CECERT	56.08	157.28	-1.18
18426	Upland-CECERT	56.29	157.29	-1.18
18427	Upland-CECERT	55.90	157.31	-1.18
18428	Upland-CECERT	56.48	157.32	-1.18
18429	Upland-CECERT	56.62	157.34	-1.18
18430	Upland-CECERT	56.26	157.35	-1.09
18431	Upland-CECERT	56.77	157.37	-1.09
18432	Upland-CECERT	56.84	157.39	-1.09
18433	Upland-CECERT	57.03	157.40	-1.09
18434	Upland-CECERT	56.92	157.42	-1.09
18435	Upland-CECERT	56.07	157.43	-1.09
18436	Upland-CECERT	55.57	157.45	-0.99
18437	Upland-CECERT	55.16	157.46	-0.64
18438	Upland-CECERT	55.78	157.48	-0.64
18439	Upland-CECERT	55.33	157.49	-0.64
18440	Upland-CECERT	55.17	157.51	-0.64
18441	Upland-CECERT	55.88	157.52	-0.64
18442	Upland-CECERT	56.68	157.54	-0.64
18443	Upland-CECERT	56.54	157.56	-1.19
18444	Upland-CECERT	56.34	157.57	-1.19
18445	Upland-CECERT	56.41	157.59	-1.19
18446	Upland-CECERT	56.38	157.60	-1.19
18447	Upland-CECERT	55.69	157.62	-1.19
18448	Upland-CECERT	55.27	157.63	-1.19
18449	Upland-CECERT	54.81	157.65	-1.19
18450	Upland-CECERT	54.78	157.66	-1.25
18451	Upland-CECERT	54.45	157.68	-1.25
18452	Upland-CECERT	54.14	157.69	-1.25
18453	Upland-CECERT	54.69	157.71	-1.25
18454	Upland-CECERT	55.14	157.72	-1.25
18455	Upland-CECERT	55.30	157.74	-1.25
18456	Upland-CECERT	55.17	157.75	-1.47
18457	Upland-CECERT	54.48	157.77	-1.47
18458	Upland-CECERT	54.02	157.78	-1.47
18459	Upland-CECERT	52.93	157.80	-1.47
18460	Upland-CECERT	51.11	157.81	-1.47
18461	Upland-CECERT	49.69	157.82	-1.47
18462	Upland-CECERT	49.22	157.84	-1.47
18463	Upland-CECERT	48.86	157.85	-1.33
18464	Upland-CECERT	49.00	157.87	-1.33
18465	Upland-CECERT	48.39	157.88	-1.33
18466	Upland-CECERT	47.78	157.89	-1.33
18467	Upland-CECERT	47.47	157.90	-1.33
18468	Upland-CECERT	48.16	157.92	-1.33
18469	Upland-CECERT	49.09	157.93	-1.33
18470	Upland-CECERT	49.64	157.95	-1.33
18471	Upland-CECERT	48.25	157.96	-0.87
18472	Upland-CECERT	46.53	157.97	-0.87
18473	Upland-CECERT	44.45	157.98	-0.87
18474	Upland-CECERT	42.24	157.99	-0.87
18475	Upland-CECERT	40.03	158.01	-0.87
18476	Upland-CECERT	38.12	158.02	-0.87
18477	Upland-CECERT	37.00	158.03	-0.87
18478	Upland-CECERT	37.07	158.04	-0.87
18479	Upland-CECERT	36.85	158.05	-0.87
18480	Upland-CECERT	36.68	158.06	-0.87
18481	Upland-CECERT	37.88	158.07	-0.87
18482	Upland-CECERT	39.73	158.08	-0.87
18483	Upland-CECERT	41.79	158.09	-0.87
18484	Upland-CECERT	43.67	158.10	-0.87
18485	Upland-CECERT	43.65	158.11	-0.87
18486	Upland-CECERT	43.02	158.13	-0.87

time (s)	route	speed (mph)	distance (mi)	grade (%)
18565	Upland-CECERT	0.00	158.53	-0.91
18566	Upland-CECERT	0.00	158.53	-0.91
18567	Upland-CECERT	0.00	158.53	-0.91
18568	Upland-CECERT	0.00	158.53	-0.91
18569	Upland-CECERT	0.00	158.53	-0.91
18570	Upland-CECERT	0.00	158.53	-0.91
18571	Upland-CECERT	0.00	158.53	-0.91
18572	Upland-CECERT	0.00	158.53	-0.91
18573	Upland-CECERT	0.00	158.53	-0.91
18574	Upland-CECERT	0.00	158.53	-0.91
18575	Upland-CECERT	0.00	158.53	-0.91
18576	Upland-CECERT	0.00	158.53	-0.91
18577	Upland-CECERT	0.00	158.53	-0.91
18578	Upland-CECERT	0.00	158.53	-0.91
18579	Upland-CECERT	0.00	158.53	-0.91
18580	Upland-CECERT	0.00	158.53	-0.91
18581	Upland-CECERT	0.00	158.53	-0.91
18582	Upland-CECERT	0.00	158.53	-0.91
18583	Upland-CECERT	0.00	158.53	-0.91
18584	Upland-CECERT	0.00	158.53	-0.91
18585	Upland-CECERT	0.00	158.53	-0.91
18586	Upland-CECERT	0.00	158.53	-0.91
18587	Upland-CECERT	0.00	158.53	-0.91
18588	Upland-CECERT	0.39	158.53	-0.91
18589	Upland-CECERT	3.95	158.53	-0.91
18590	Upland-CECERT	8.79	158.54	-0.91
18591	Upland-CECERT	13.13	158.54	-0.91
18592	Upland-CECERT	16.69	158.54	-0.91
18593	Upland-CECERT	19.66	158.55	-1.17
18594	Upland-CECERT	21.51	158.56	-1.17
18595	Upland-CECERT	23.14	158.56	-1.17
18596	Upland-CECERT	24.79	158.57	-1.17
18597	Upland-CECERT	26.97	158.58	-1.17
18598	Upland-CECERT	28.66	158.58	-1.17
18599	Upland-CECERT	30.07	158.59	-1.17
18600	Upland-CECERT	31.30	158.60	-1.17
18601	Upland-CECERT	32.78	158.61	-1.17
18602	Upland-CECERT	34.15	158.62	-1.17
18603	Upland-CECERT	35.23	158.63	-1.17
18604	Upland-CECERT	35.35	158.64	-1.17
18605	Upland-CECERT	34.88	158.65	-1.17
18606	Upland-CECERT	35.87	158.66	0.31
18607	Upland-CECERT	37.22	158.67	0.31
18608	Upland-CECERT	38.45	158.68	0.31
18609	Upland-CECERT	39.62	158.69	0.31
18610	Upland-CECERT	38.93	158.70	0.31
18611	Upland-CECERT	39.69	158.71	0.31
18612	Upland-CECERT	40.64	158.72	0.31
18613	Upland-CECERT	40.97	158.73	0.31
18614	Upland-CECERT	40.30	158.75	0.31
18615	Upland-CECERT	39.63	158.76	0.04
18616	Upland-CECERT	39.11	158.77	0.04
18617	Upland-CECERT	38.39	158.78	0.04
18618	Upland-CECERT	37.89	158.79	0.04
18619	Upland-CECERT	37.89	158.80	0.04
18620	Upland-CECERT	37.24	158.81	0.04
18621	Upland-CECERT	36.64	158.82	0.04
18622	Upland-CECERT	37.06	158.83	0.04
18623	Upland-CECERT	38.03	158.84	0.04
18624	Upland-CECERT	39.31	158.85	0.44
18625	Upland-CECERT	40.62	158.86	0.44
18626	Upland-CECERT	41.80	158.87	0.44
18627	Upland-CECERT	42.21	158.88	0.44
18628	Upland-CECERT	42.48	158.90	0.44
18629	Upland-CECERT	42.14	158.91	0.44
18630	Upland-CECERT	43.00	158.92	0.44
18631	Upland-CECERT	43.28	158.93	0.44
18632	Upland-CECERT	43.72	158.94	0.44
18633	Upland-CECERT	44.04	158.96	0.47
18634	Upland-CECERT	44.61	158.97	0.47
18635	Upland-CECERT	45.22	158.98	0.47
18636	Upland-CECERT	45.89	158.99	0.47
18637	Upland-CECERT	46.33	159.01	0.47
18638	Upland-CECERT	46.74	159.02	0.47
18639	Upland-CECERT	46.16	159.03	0.47
18640	Upland-CECERT	45.67	159.04	0.14
18641	Upland-CECERT	45.88	159.06	0.14
18642	Upland-CECERT	46.67	159.07	0.14

time (s)	route	speed (mph)	distance (mi)	grade (%)
18487	Upland-CECERT	43.58	158.14	-0.38
18488	Upland-CECERT	45.17	158.15	-0.67
18489	Upland-CECERT	47.16	158.16	-0.67
18490	Upland-CECERT	47.29	158.18	-0.67
18491	Upland-CECERT	46.74	158.19	-0.67
18492	Upland-CECERT	45.93	158.20	-0.67
18493	Upland-CECERT	45.40	158.21	-0.67
18494	Upland-CECERT	45.51	158.23	-0.67
18495	Upland-CECERT	45.11	158.24	-0.67
18496	Upland-CECERT	44.50	158.25	-0.74
18497	Upland-CECERT	45.32	158.26	-0.74
18498	Upland-CECERT	45.93	158.28	-0.74
18499	Upland-CECERT	45.19	158.29	-0.74
18500	Upland-CECERT	44.42	158.30	-0.74
18501	Upland-CECERT	42.73	158.31	-0.74
18502	Upland-CECERT	40.03	158.32	-0.74
18503	Upland-CECERT	37.52	158.33	-0.74
18504	Upland-CECERT	36.85	158.34	-0.74
18505	Upland-CECERT	33.87	158.35	-0.63
18506	Upland-CECERT	32.11	158.36	-0.63
18507	Upland-CECERT	23.50	158.37	-0.63
18508	Upland-CECERT	30.99	158.38	-0.63
18509	Upland-CECERT	30.47	158.39	-0.63
18510	Upland-CECERT	29.94	158.40	-0.63
18511	Upland-CECERT	28.58	158.40	-0.63
18512	Upland-CECERT	26.17	158.41	-0.63
18513	Upland-CECERT	22.63	158.42	-0.63
18514	Upland-CECERT	18.64	158.42	-0.63
18515	Upland-CECERT	12.88	158.43	-0.63
18516	Upland-CECERT	7.25	158.43	-0.63
18517	Upland-CECERT	3.32	158.43	-0.63
18518	Upland-CECERT	1.40	158.43	-0.63
18519	Upland-CECERT	1.75	158.43	-0.63
18520	Upland-CECERT	3.05	158.43	-0.63
18521	Upland-CECERT	4.22	158.43	-0.63
18522	Upland-CECERT	5.24	158.43	-0.63
18523	Upland-CECERT	7.60	158.43	-0.63
18524	Upland-CECERT	8.96	158.44	-0.63
18525	Upland-CECERT	10.27	158.44	-0.63
18526	Upland-CECERT	12.47	158.44	-0.63
18527	Upland-CECERT	14.15	158.45	-0.63
18528	Upland-CECERT	15.68	158.45	-0.91
18529	Upland-CECERT	16.98	158.46	-0.91
18530	Upland-CECERT	17.37	158.46	-0.91
18531	Upland-CECERT	17.09	158.47	-0.91
18532	Upland-CECERT	17.42	158.47	-0.91
18533	Upland-CECERT	17.64	158.48	-0.91
18534	Upland-CECERT	17.32	158.48	-0.91
18535	Upland-CECERT	17.56	158.49	-0.91
18536	Upland-CECERT	17.16	158.49	-0.91
18537	Upland-CECERT	16.66	158.49	-0.91
18538	Upland-CECERT	16.16	158.50	-0.91
18539	Upland-CECERT	15.47	158.50	-0.91

time [s]	route	speed [mph]	distance [mi]	grade [%]
18721	Upland-CECERT	34.61	159.63	0.23
18722	Upland-CECERT	35.06	159.64	0.23
18723	Upland-CECERT	35.45	159.65	0.02
18724	Upland-CECERT	35.63	159.66	0.02
18725	Upland-CECERT	36.08	159.67	0.02
18726	Upland-CECERT	35.69	159.68	0.02
18727	Upland-CECERT	34.41	159.69	0.02
18728	Upland-CECERT	32.32	159.70	0.02
18729	Upland-CECERT	29.87	159.71	0.02
18730	Upland-CECERT	27.50	159.72	0.02
18731	Upland-CECERT	24.83	159.72	0.02
18732	Upland-CECERT	21.98	159.73	0.02
18733	Upland-CECERT	19.00	159.74	0.02
18734	Upland-CECERT	15.98	159.74	0.02
18735	Upland-CECERT	13.86	159.74	0.02
18736	Upland-CECERT	12.04	159.75	0.02
18737	Upland-CECERT	10.67	159.75	0.02
18738	Upland-CECERT	9.39	159.75	0.45
18739	Upland-CECERT	7.82	159.75	0.45
18740	Upland-CECERT	6.60	159.76	0.45
18741	Upland-CECERT	5.66	159.76	0.45
18742	Upland-CECERT	5.36	159.76	0.45
18743	Upland-CECERT	5.59	159.76	0.45
18744	Upland-CECERT	7.88	159.76	0.45
18745	Upland-CECERT	12.32	159.77	0.45
18746	Upland-CECERT	15.40	159.77	0.45
18747	Upland-CECERT	18.51	159.78	0.45
18748	Upland-CECERT	21.18	159.78	0.45
18749	Upland-CECERT	23.40	159.79	0.45
18750	Upland-CECERT	24.07	159.79	0.45
18751	Upland-CECERT	24.80	159.80	0.45
18752	Upland-CECERT	26.41	159.81	0.45
18753	Upland-CECERT	27.69	159.82	0.45
18754	Upland-CECERT	29.27	159.82	0.45
18755	Upland-CECERT	30.88	159.83	0.45
18756	Upland-CECERT	31.73	159.84	0.45
18757	Upland-CECERT	32.26	159.85	-2.32
18758	Upland-CECERT	22.52	159.86	-2.32
18759	Upland-CECERT	33.07	159.87	-2.32
18760	Upland-CECERT	32.11	159.88	-2.32
18761	Upland-CECERT	31.97	159.89	-2.32
18762	Upland-CECERT	32.22	159.89	-2.32
18763	Upland-CECERT	32.06	159.90	-2.32
18764	Upland-CECERT	31.28	159.91	-2.32
18765	Upland-CECERT	30.68	159.92	-2.32
18766	Upland-CECERT	30.10	159.93	-2.32
18767	Upland-CECERT	29.37	159.94	-2.32
18768	Upland-CECERT	28.30	159.94	-2.32
18769	Upland-CECERT	26.47	159.95	0.03
18770	Upland-CECERT	24.65	159.96	0.03
18771	Upland-CECERT	23.03	159.97	0.03
18772	Upland-CECERT	20.88	159.97	0.03
18773	Upland-CECERT	18.60	159.98	0.03
18774	Upland-CECERT	16.54	159.98	0.03
18775	Upland-CECERT	14.73	159.98	0.03
18776	Upland-CECERT	13.77	159.99	0.03
18777	Upland-CECERT	13.43	159.99	0.03
18778	Upland-CECERT	11.86	160.00	0.03
18779	Upland-CECERT	9.99	160.00	0.03
18780	Upland-CECERT	8.36	160.00	0.03
18781	Upland-CECERT	6.76	160.00	0.03
18782	Upland-CECERT	5.42	160.00	0.03
18783	Upland-CECERT	4.45	160.00	0.03
18784	Upland-CECERT	3.62	160.01	0.03
18785	Upland-CECERT	2.74	160.01	0.03
18786	Upland-CECERT	1.58	160.01	0.03
18787	Upland-CECERT	0.17	160.01	0.03
18788	Upland-CECERT	0.00	160.01	0.03
18789	Upland-CECERT	0.00	160.01	0.03
18790	Upland-CECERT	0.00	160.01	0.03
18791	Upland-CECERT	0.00	160.01	0.03
18792	Upland-CECERT	0.00	160.01	0.03
18793	Upland-CECERT	0.00	160.01	0.03
18794	Upland-CECERT	0.00	160.01	0.03
18795	Upland-CECERT	0.00	160.01	0.03
18796	Upland-CECERT	0.00	160.01	0.03
18797	Upland-CECERT	0.00	160.01	0.03
18798	Upland-CECERT	1.17	160.01	0.03

time [s]	route	speed [mph]	distance [mi]	grade [%]
18877	Upland-CECERT	37.82	160.37	-0.06
18878	Upland-CECERT	38.60	160.38	-0.06
18879	Upland-CECERT	39.63	160.40	-0.06
18880	Upland-CECERT	40.28	160.41	-0.06
18881	Upland-CECERT	40.06	160.42	-0.06
18882	Upland-CECERT	40.53	160.43	-0.06
18883	Upland-CECERT	40.55	160.44	-0.06
18884	Upland-CECERT	41.01	160.45	1.85
18885	Upland-CECERT	41.06	160.46	1.85
18886	Upland-CECERT	41.83	160.47	1.85
18887	Upland-CECERT	43.36	160.49	1.85
18888	Upland-CECERT	44.97	160.50	1.85
18889	Upland-CECERT	46.35	160.51	1.85
18890	Upland-CECERT	46.56	160.52	1.85
18891	Upland-CECERT	47.49	160.54	1.85
18892	Upland-CECERT	48.86	160.55	1.85
18893	Upland-CECERT	49.85	160.56	-3.02
18894	Upland-CECERT	50.52	160.58	-3.02
18895	Upland-CECERT	51.41	160.59	-3.02
18896	Upland-CECERT	51.67	160.61	-3.02
18897	Upland-CECERT	51.96	160.62	-3.02
18898	Upland-CECERT	51.28	160.63	-3.02
18899	Upland-CECERT	49.89	160.65	-3.02
18900	Upland-CECERT	47.60	160.66	-5.24
18901	Upland-CECERT	45.83	160.67	-5.24
18902	Upland-CECERT	45.23	160.69	-5.24
18903	Upland-CECERT	43.66	160.70	-5.24
18904	Upland-CECERT	41.60	160.71	-5.24
18905	Upland-CECERT	39.20	160.72	-5.24
18906	Upland-CECERT	36.80	160.73	-5.24
18907	Upland-CECERT	34.88	160.74	-5.24
18908	Upland-CECERT	31.94	160.75	-5.24
18909	Upland-CECERT	29.01	160.76	-2.99
18910	Upland-CECERT	25.85	160.76	-2.99
18911	Upland-CECERT	21.93	160.77	-2.99
18912	Upland-CECERT	18.03	160.77	-2.99
18913	Upland-CECERT	14.21	160.78	-2.99
18914	Upland-CECERT	12.01	160.78	-2.99
18915	Upland-CECERT	10.13	160.78	-2.99
18916	Upland-CECERT	7.80	160.79	-2.99
18917	Upland-CECERT	5.81	160.79	-2.99
18918	Upland-CECERT	4.57	160.79	-2.99
18919	Upland-CECERT	3.34	160.79	-2.99
18920	Upland-CECERT	2.26	160.79	-2.99
18921	Upland-CECERT	1.24	160.79	-2.99
18922	Upland-CECERT	0.00	160.79	-2.99
18923	Upland-CECERT	0.00	160.79	-2.99
18924	Upland-CECERT	0.00	160.79	-2.99
18925	Upland-CECERT	0.00	160.79	-2.99
18926	Upland-CECERT	0.00	160.79	-2.99
18927	Upland-CECERT	0.00	160.79	-2.99
18928	Upland-CECERT	0.00	160.79	-2.99
18929	Upland-CECERT	0.00	160.79	-2.99
18930	Upland-CECERT	0.00	160.79	-2.99
18931	Upland-CECERT	0.00	160.79	-2.99
18932	Upland-CECERT	0.00	160.79	-2.99
18933	Upland-CECERT	1.51	160.79	-2.99
18934	Upland-CECERT	5.16	160.79	-2.99
18935	Upland-CECERT	10.14	160.80	-2.99
18936	Upland-CECERT	13.81	160.80	-2.99
18937	Upland-CECERT	17.06	160.80	-2.99
18938	Upland-CECERT	21.52	160.81	-2.99
18939	Upland-CECERT	25.70	160.82	-2.99
18940	Upland-CECERT	28.66	160.83	-2.99
18941	Upland-CECERT	30.77	160.83	-2.99
18942	Upland-CECERT	32.46	160.84	-2.99
18943	Upland-CECERT	34.11	160.85	0.15
18944	Upland-CECERT	34.78	160.86	0.15
18945	Upland-CECERT	34.29	160.87	0.15
18946	Upland-CECERT	34.62	160.88	0.15
18947	Upland-CECERT	36.00	160.89	0.15
18948	Upland-CECERT	36.68	160.90	0.15
18949	Upland-CECERT	36.87	160.91	0.15
18950	Upland-CECERT	37.99	160.92	0.15
18951	Upland-CECERT	39.18	160.93	0.15
18952	Upland-CECERT	38.89	160.94	0.15
18953	Upland-CECERT	38.19	160.95	-0.75
18954	Upland-CECERT	37.70	160.96	-0.75

time [s]	route	speed [mph]	distance [mi]	grade [%]
18799	Upland-CECERT	1.31	160.01	0.03
18800	Upland-CECERT	1.34	160.01	0.03
18801	Upland-CECERT	1.30	160.01	0.03
18802	Upland-CECERT	1.24	160.01	0.03
18803	Upland-CECERT	1.31	160.01	0.03
18804	Upland-CECERT	1.43	160.01	0.03
18805	Upland-CECERT	0.88	160.01	0.03
18806	Upland-CECERT	0.00	160.01	0.03
18807	Upland-CECERT	0.00	160.01	0.03
18808	Upland-CECERT	0.00	160.01	0.03
18809	Upland-CECERT	0.00	160.01	0.03
18810	Upland-CECERT	0.00	160.01	0.03
18811	Upland-CECERT	0.00	160.01	0.03
18812	Upland-CECERT	0.00	160.01	0.03
18813	Upland-CECERT	0.00	160.01	0.03
18814	Upland-CECERT	0.00	160.01	0.03
18815	Upland-CECERT	0.00	160.01	0.03
18816	Upland-CECERT	0.00	160.01	0.03
18817	Upland-CECERT	0.00	160.01	0.03
18818	Upland-CECERT	0.00	160.01	0.03
18819	Upland-CECERT	0.00	160.01	0.03
18820	Upland-CECERT	0.00	160.01	0.03
18821	Upland-CECERT	0.00	160.01	0.03
18822	Upland-CECERT	0.00	160.01	0.03
18823	Upland-CECERT	0.00	160.01	0.03
18824	Upland-CECERT	0.00	160.01	0.03
18825	Upland-CECERT	0.00	160.01	0.03
18826	Upland-CECERT	0.00	160.01	0.03
18827	Upland-CECERT	0.00	160.01	0.03
18828	Upland-CECERT	0.00	160.01	0.03
18829	Upland-CECERT	0.00	160.01	0.03
18830	Upland-CECERT	0.00	160.01	0.03
18831	Upland-CECERT	0.00	160.01	0.03
18832	Upland-CECERT	0.00	160.01	0.03
18833	Upland-CECERT	0.00	160.01	0.03
18834	Upland-CECERT	0.43	160.01	0.03
18835	Upland-CECERT	2.67	160.01	0.03
18836	Upland-CECERT	4.91	160.01	0.03
18837	Upland-CECERT	6.95	160.01	0.03
18838	Upland-CECERT	10.08	160.02	0.03
18839	Upland-CECERT	12.25	160.02	0.03
18840	Upland-CECERT	14.54	160.02	0.03
18841	Upland-CECERT	18.03	160.03	0.03
18842	Upland-CECERT	22.52	160.04	0.03
18843	Upland-CECERT	24.91	160.04	0.03
18844	Upland-CECERT	24.91	160.05	0.03
18845	Upland-CECERT	25.06	160.06	0.03
18846	Upland-CECERT	27.20	160.06	0.03
18847	Upland-CECERT	30.59	160.07	0.03
18848	Upland-CECERT	33.79	160.08	0.03
18849	Upland-CECERT	36.34	160.09	0.03
18850	Upland-CECERT	38.54	160.09	0.03
18851	Upland-CECERT	40.02	160.11	0.03
18852	Upland-CECERT	40.07	160.12	

time (s)	route	speed (mph)	distance (mi)	grade (%)
19033	Upland-CECER7	36.04	161.70	-1.72
19034	Upland-CECER7	36.69	161.71	-1.72
19035	Upland-CECER7	37.86	161.72	-1.72
19036	Upland-CECER7	38.73	161.73	-1.72
19037	Upland-CECER7	39.24	161.74	-1.72
19038	Upland-CECER7	38.86	161.75	-1.72
19039	Upland-CECER7	39.50	161.76	-1.14
19040	Upland-CECER7	38.06	161.77	-1.14
19041	Upland-CECER7	34.95	161.78	-1.14
19042	Upland-CECER7	32.20	161.79	-1.14
19043	Upland-CECER7	30.41	161.80	-1.14
19044	Upland-CECER7	29.18	161.80	-1.14
19045	Upland-CECER7	28.08	161.81	-1.14
19046	Upland-CECER7	27.77	161.82	-1.14
19047	Upland-CECER7	27.87	161.83	-1.14
19048	Upland-CECER7	29.42	161.84	-1.14
19049	Upland-CECER7	31.75	161.84	-1.14
19050	Upland-CECER7	34.27	161.85	-1.01
19051	Upland-CECER7	36.05	161.86	-1.01
19052	Upland-CECER7	37.24	161.87	-1.01
19053	Upland-CECER7	38.25	161.88	-1.01
19054	Upland-CECER7	38.63	161.89	-1.01
19055	Upland-CECER7	37.86	161.91	-1.01
19056	Upland-CECER7	37.83	161.92	-1.01
19057	Upland-CECER7	36.14	161.93	-1.01
19058	Upland-CECER7	35.14	161.93	-1.01
19059	Upland-CECER7	34.23	161.94	-1.01
19060	Upland-CECER7	33.51	161.95	-1.12
19061	Upland-CECER7	34.13	161.96	0.12
19062	Upland-CECER7	35.57	161.97	0.12
19063	Upland-CECER7	36.57	161.98	0.12
19064	Upland-CECER7	37.08	161.99	0.12
19065	Upland-CECER7	37.68	162.00	0.12
19066	Upland-CECER7	37.37	162.01	0.12
19067	Upland-CECER7	38.05	162.02	0.12
19068	Upland-CECER7	39.26	162.03	0.12
19069	Upland-CECER7	40.46	162.05	0.12
19070	Upland-CECER7	41.68	162.06	0.38
19071	Upland-CECER7	42.10	162.07	0.38
19072	Upland-CECER7	41.81	162.08	0.38
19073	Upland-CECER7	42.14	162.09	0.38
19074	Upland-CECER7	41.48	162.10	0.38
19075	Upland-CECER7	40.73	162.11	0.38
19076	Upland-CECER7	40.04	162.13	0.38
19077	Upland-CECER7	38.78	162.14	0.38
19078	Upland-CECER7	37.03	162.15	0.38
19079	Upland-CECER7	35.11	162.16	-0.30
19080	Upland-CECER7	33.57	162.17	-0.30
19081	Upland-CECER7	34.67	162.18	-0.30
19082	Upland-CECER7	34.80	162.18	-0.30
19083	Upland-CECER7	34.21	162.19	-0.30
19084	Upland-CECER7	33.57	162.20	-0.30
19085	Upland-CECER7	32.73	162.21	-0.30
19086	Upland-CECER7	31.42	162.22	-0.30
19087	Upland-CECER7	29.64	162.23	-0.30
19088	Upland-CECER7	27.94	162.24	-0.30
19089	Upland-CECER7	26.30	162.24	-0.30
19090	Upland-CECER7	25.63	162.25	-0.39
19091	Upland-CECER7	25.28	162.26	-0.39
19092	Upland-CECER7	24.20	162.26	-0.39
19093	Upland-CECER7	22.29	162.27	-0.39
19094	Upland-CECER7	19.87	162.28	-0.39
19095	Upland-CECER7	16.37	162.28	-0.39
19096	Upland-CECER7	12.76	162.28	-0.39
19097	Upland-CECER7	12.18	162.29	-0.39
19098	Upland-CECER7	12.37	162.29	-0.39
19099	Upland-CECER7	12.85	162.29	-0.39
19100	Upland-CECER7	15.00	162.30	-0.39
19101	Upland-CECER7	17.88	162.30	-0.39
19102	Upland-CECER7	19.65	162.31	-0.39
19103	Upland-CECER7	19.60	162.31	-0.39
19104	Upland-CECER7	19.83	162.32	-0.39
19105	Upland-CECER7	21.97	162.33	-0.39
19106	Upland-CECER7	24.85	162.33	-0.39
19107	Upland-CECER7	27.66	162.34	-0.39
19108	Upland-CECER7	30.04	162.35	-0.39
19109	Upland-CECER7	32.63	162.36	-0.27
19110	Upland-CECER7	34.94	162.37	-0.27

time (s)	route	speed (mph)	distance (mi)	grade (%)
19189	Upland-CECER7	46.22	163.18	0.41
19190	Upland-CECER7	44.55	163.20	0.41
19191	Upland-CECER7	42.05	163.21	0.41
19192	Upland-CECER7	39.23	163.22	0.41
19193	Upland-CECER7	36.44	163.23	0.41
19194	Upland-CECER7	33.97	163.24	0.41
19195	Upland-CECER7	31.59	163.25	0.41
19196	Upland-CECER7	29.38	163.25	-0.19
19197	Upland-CECER7	27.18	163.26	-0.19
19198	Upland-CECER7	24.91	163.27	-0.19
19199	Upland-CECER7	22.65	163.27	-0.19
19200	Upland-CECER7	20.27	163.28	-0.19
19201	Upland-CECER7	17.78	163.29	-0.19
19202	Upland-CECER7	14.99	163.29	-0.19
19203	Upland-CECER7	12.07	163.29	-0.19
19204	Upland-CECER7	9.51	163.30	-0.19
19205	Upland-CECER7	7.02	163.30	-0.19
19206	Upland-CECER7	5.28	163.30	-0.19
19207	Upland-CECER7	4.09	163.30	-0.19
19208	Upland-CECER7	2.97	163.30	-0.19
19209	Upland-CECER7	1.90	163.30	-0.19
19210	Upland-CECER7	0.86	163.30	-0.19
19211	Upland-CECER7	0.00	163.30	-0.19
19212	Upland-CECER7	0.00	163.30	-0.19
19213	Upland-CECER7	0.00	163.30	-0.19
19214	Upland-CECER7	0.00	163.30	-0.19
19215	Upland-CECER7	0.00	163.30	-0.19
19216	Upland-CECER7	0.00	163.30	-0.19
19217	Upland-CECER7	0.00	163.30	-0.19
19218	Upland-CECER7	0.00	163.30	-0.19
19219	Upland-CECER7	0.13	163.30	-0.19
19220	Upland-CECER7	1.41	163.30	-0.19
19221	Upland-CECER7	2.37	163.30	-0.19
19222	Upland-CECER7	5.22	163.30	-0.19
19223	Upland-CECER7	7.47	163.31	-0.19
19224	Upland-CECER7	10.06	163.31	-0.19
19225	Upland-CECER7	13.44	163.31	-0.19
19226	Upland-CECER7	17.42	163.32	-0.19
19227	Upland-CECER7	21.10	163.32	-0.19
19228	Upland-CECER7	24.22	163.33	-0.19
19229	Upland-CECER7	26.56	163.34	-0.19
19230	Upland-CECER7	28.30	163.34	-0.19
19231	Upland-CECER7	30.97	163.35	-0.03
19232	Upland-CECER7	33.32	163.36	-0.03
19233	Upland-CECER7	35.16	163.37	0.03
19234	Upland-CECER7	36.28	163.38	0.03
19235	Upland-CECER7	36.92	163.39	0.03
19236	Upland-CECER7	37.66	163.40	0.03
19237	Upland-CECER7	38.91	163.41	0.03
19238	Upland-CECER7	40.41	163.42	0.03
19239	Upland-CECER7	41.83	163.44	0.03
19240	Upland-CECER7	43.41	163.45	0.03
19241	Upland-CECER7	45.01	163.46	-0.16
19242	Upland-CECER7	46.51	163.47	-0.16
19243	Upland-CECER7	47.89	163.49	-0.16
19244	Upland-CECER7	49.28	163.50	-0.16
19245	Upland-CECER7	50.62	163.51	-0.16
19246	Upland-CECER7	50.52	163.53	-0.16
19247	Upland-CECER7	49.56	163.54	-0.16
19248	Upland-CECER7	49.49	163.55	0.45
19249	Upland-CECER7	50.30	163.57	0.45
19250	Upland-CECER7	50.67	163.58	0.45
19251	Upland-CECER7	50.99	163.60	0.45
19252	Upland-CECER7	51.20	163.61	0.45
19253	Upland-CECER7	51.49	163.62	0.45
19254	Upland-CECER7	52.10	163.64	0.45
19255	Upland-CECER7	52.45	163.65	0.21
19256	Upland-CECER7	51.88	163.67	0.21
19257	Upland-CECER7	51.83	163.68	0.21
19258	Upland-CECER7	52.19	163.70	0.21
19259	Upland-CECER7	52.55	163.71	0.21
19260	Upland-CECER7	53.30	163.73	0.21
19261	Upland-CECER7	54.26	163.74	0.21
19262	Upland-CECER7	55.34	163.76	-0.25
19263	Upland-CECER7	55.45	163.77	-0.25
19264	Upland-CECER7	54.66	163.79	-0.25
19265	Upland-CECER7	54.04	163.80	-0.25
19266	Upland-CECER7	53.42	163.82	-0.25

time (s)	route	speed (mph)	distance (mi)	grade (%)
19111	Upland-CECER7	36.85	162.38	-0.27
19112	Upland-CECER7	37.55	162.39	-0.27
19113	Upland-CECER7	37.48	162.40	-0.27
19114	Upland-CECER7	36.88	162.41	-0.27
19115	Upland-CECER7	35.40	162.42	-0.27
19116	Upland-CECER7	32.32	162.43	-0.27
19117	Upland-CECER7	29.28	162.43	-0.27
19118	Upland-CECER7	27.38	162.44	-0.27
19119	Upland-CECER7	24.99	162.45	-0.27
19120	Upland-CECER7	22.37	162.46	-0.33
19121	Upland-CECER7	19.71	162.46	-0.33
19122	Upland-CECER7	17.14	162.47	-0.33
19123	Upland-CECER7	14.72	162.47	-0.33
19124	Upland-CECER7	12.41	162.47	-0.33
19125	Upland-CECER7	10.42	162.48	-0.33
19126	Upland-CECER7	8.38	162.48	-0.33
19127	Upland-CECER7	7.44	162.48	-0.33
19128	Upland-CECER7	7.22	162.48	-0.33
19129	Upland-CECER7	6.61	162.48	-0.33
19130	Upland-CECER7	5.99	162.49	-0.33
19131	Upland-CECER7	6.49	162.49	-0.33
19132	Upland-CECER7	13.01	162.49	-0.33
19133	Upland-CECER7	16.78	162.50	-0.33
19134	Upland-CECER7	20.18	162.50	-0.33
19135	Upland-CECER7	23.55	162.51	-0.33
19136	Upland-CECER7	27.32	162.52	-0.33
19137	Upland-CECER7	30.82	162.52	-0.33
19138	Upland-CECER7	33.76	162.52	-0.33
19139	Upland-CECER7	36.06	162.54	-0.33
19140	Upland-CECER7	36.72	162.55	0.04
19141	Upland-CECER7	36.16	162.56	0.04
19142	Upland-CECER7	36.25	162.57	0.04
19143	Upland-CECER7	37.14	162.58	0.04
19144	Upland-CECER7	38.16	162.59	0.04
19145	Upland-CECER7	39.44	162.60	0.04
19146	Upland-CECER7	39.15	162.62	0.04
19147	Upland-CECER7	38.13	162.63	0.04
19148	Upland-CECER7	38.77	162.64	0.04
19149	Upland-CECER7	39.93	162.65	0.04
19150	Upland-CECER7	41.33	162.66	0.08
19151	Upland-CECER7	42.35	162.67	0.08
19152	Upland-CECER7	43.29	162.68	0.08
19153	Upland-CECER7	44.01	162.69	0.08
19154	Upland-CECER7	44.49	162.71	0.08
19155	Upland-CECER7	44.66	162.72	0.08
19156	Upland-CECER7	43.93	162.73	0.08
19157	Upland-CECER7	43.95	162.74	0.08
19158	Upland-CECER7	44.59	162.76	0.07
19159	Upland-CECER7	46.32	162.77	0.07

time (s)	route	speed (mph)	distance (mi)	grade (%)
19345	Upland-CECER7	40.53	164.53	-0.41
19346	Upland-CECER7	41.70	164.54	-0.41
19347	Upland-CECER7	42.53	164.56	-0.34
19348	Upland-CECER7	42.73	164.57	-0.34
19349	Upland-CECER7	44.41	164.58	-0.34
19350	Upland-CECER7	44.10	164.59	-0.34
19351	Upland-CECER7	45.16	164.60	-0.34
19352	Upland-CECER7	46.57	164.62	-0.34
19353	Upland-CECER7	48.15	164.63	-0.34
19354	Upland-CECER7	49.18	164.64	-0.34
19355	Upland-CECER7	50.12	164.66	-0.70
19356	Upland-CECER7	51.38	164.67	-0.70
19357	Upland-CECER7	52.57	164.69	-0.70
19358	Upland-CECER7	53.73	164.70	-0.70
19359	Upland-CECER7	53.63	164.72	-0.70
19360	Upland-CECER7	53.27	164.73	-0.70
19361	Upland-CECER7	54.37	164.75	-0.70
19362	Upland-CECER7	54.84	164.76	-0.22
19363	Upland-CECER7	55.15	164.78	-0.22
19364	Upland-CECER7	54.82	164.79	-0.22
19365	Upland-CECER7	54.53	164.81	-0.22
19366	Upland-CECER7	54.36	164.82	-0.22
19367	Upland-CECER7	53.85	164.84	-0.22
19368	Upland-CECER7	53.65	164.85	-0.22
19369	Upland-CECER7	53.83	164.86	-0.18
19370	Upland-CECER7	53.33	164.88	-0.18
19371	Upland-CECER7	52.42	164.89	-0.18
19372	Upland-CECER7	50.50	164.91	-0.18
19373	Upland-CECER7	47.98	164.92	-0.18
19374	Upland-CECER7	45.07	164.93	-0.18
19375	Upland-CECER7	40.67	164.94	-0.18
19376	Upland-CECER7	35.80	164.95	-0.74
19377	Upland-CECER7	30.37	164.96	-0.74
19378	Upland-CECER7	24.77	164.97	-0.74
19379	Upland-CECER7	19.14	164.97	-0.74
19380	Upland-CECER7	14.49	164.98	-0.74
19381	Upland-CECER7	11.16	164.98	-0.74
19382	Upland-CECER7	8.26	164.98	-0.74
19383	Upland-CECER7	5.88	164.99	-0.74
19384	Upland-CECER7	4.43	164.99	-0.74
19385	Upland-CECER7	3.07	164.99	-0.74
19386	Upland-CECER7	1.64	164.99	-0.74
19387	Upland-CECER7	0.17	164.99	-0.74
19388	Upland-CECER7	0.00	164.99	-0.74
19389	Upland-CECER7	0.00	164.99	-0.74
19390	Upland-CECER7	0.00	164.99	-0.74
19391	Upland-CECER7	0.00	164.99	-0.74
19392	Upland-CECER7	0.00	164.99	-0.74
19393	Upland-CECER7	0.00	164.99	-0.74
19394	Upland-CECER7	0.00	164.99	-0.74
19395	Upland-CECER7	0.00	164.99	-0.74
19396	Upland-CECER7	0.00	164.99	-0.74
19397	Upland-CECER7	0.00	164.99	-0.74
19398	Upland-CECER7	0.00	164.99	-0.74
19399	Upland-CECER7	0.00	164.99	-0.74
19400	Upland-CECER7	0.00	164.99	-0.74
19401	Upland-CECER7	0.00	164.99	-0.74
19402	Upland-CECER7	0.00	164.99	-0.74
19403	Upland-CECER7	0.48	164.99	-0.74
19404	Upland-CECER7	5.02	164.99	-0.74
19405	Upland-CECER7	11.85	164.99	-0.74
19406	Upland-CECER7	17.36	165.00	-0.74
19407	Upland-CECER7	21.83	165.00	-0.74
19408	Upland-CECER7	25.94	165.01	-0.74
19409	Upland-CECER7	29.50	165.02	-0.74
19410	Upland-CECER7	32.14	165.03	-0.74
19411	Upland-CECER7	34.74	165.04	-0.74
19412	Upland-CECER7	36.96	165.05	-0.74
19413	Upland-CECER7	38.61	165.06	-0.09
19414	Upland-CECER7	39.85	165.07	-0.09
19415	Upland-CECER7	40.77	165.08	-0.09
19416	Upland-CECER7	41.76	165.09	-0.09
19417	Upland-CECER7	42.28	165.10	-0.09
19418	Upland-CECER7	44.36	165.12	-0.09
19419	Upland-CECER7	45.07	165.13	-0.09
19420	Upland-CECER7	45.45	165.14	-0.09
19421	Upland-CECER7	45.93	165.15	0.05
19422	Upland-CECER7	46.77	165.17	0.05

time (s)	route	speed (mph)	distance (mi)	grade (%)
19501	Upland-CECER7	73.75	166.27	-0.99
19502	Upland-CECER7	73.97	166.29	-0.99
19503	Upland-CECER7	74.26	166.31	-0.99
19504	Upland-CECER7	74.50	166.33	-0.99
19505	Upland-CECER7	74.84	166.35	-1.19
19506	Upland-CECER7	75.05	166.37	-1.19
19507	Upland-CECER7	75.44	166.39	-1.19
19508	Upland-CECER7	75.70	166.41	-1.19
19509	Upland-CECER7	76.02	166.43	-1.19
19510	Upland-CECER7	75.42	166.46	-0.63
19511	Upland-CECER7	74.89	166.48	-0.63
19512	Upland-CECER7	75.42	166.50	-0.63
19513	Upland-CECER7	75.75	166.52	-0.63
19514	Upland-CECER7	76.15	166.54	-0.63
19515	Upland-CECER7	76.60	166.56	-0.68
19516	Upland-CECER7	77.01	166.58	-0.68
19517	Upland-CECER7	77.26	166.60	-0.68
19518	Upland-CECER7	76.73	166.62	-0.68
19519	Upland-CECER7	77.18	166.64	-0.68
19520	Upland-CECER7	77.53	166.67	-1.15
19521	Upland-CECER7	78.00	166.69	-1.15
19522	Upland-CECER7	78.42	166.71	-1.15
19523	Upland-CECER7	78.66	166.73	-1.15
19524	Upland-CECER7	78.86	166.75	-1.81
19525	Upland-CECER7	78.99	166.77	-1.81
19526	Upland-CECER7	78.22	166.79	-1.81
19527	Upland-CECER7	78.42	166.82	-1.81
19528	Upland-CECER7	78.47	166.84	-1.81
19529	Upland-CECER7	78.46	166.86	-0.82
19530	Upland-CECER7	78.00	166.88	-0.82
19531	Upland-CECER7	77.43	166.90	-0.82
19532	Upland-CECER7	77.55	166.92	-0.82
19533	Upland-CECER7	77.47	166.94	-0.82
19534	Upland-CECER7	76.41	166.97	-0.95
19535	Upland-CECER7	76.13	166.99	-0.95
19536	Upland-CECER7	76.08	167.01	-0.95
19537	Upland-CECER7	75.83	167.03	-0.95
19538	Upland-CECER7	74.78	167.05	-0.95
19539	Upland-CECER7	74.08	167.07	-1.35
19540	Upland-CECER7	73.49	167.09	-1.35
19541	Upland-CECER7	72.37	167.11	-1.35
19542	Upland-CECER7	71.37	167.13	-1.35
19543	Upland-CECER7	69.92	167.15	-1.35
19544	Upland-CECER7	67.95	167.17	-1.18
19545	Upland-CECER7	65.85	167.19	-1.18
19546	Upland-CECER7	64.57	167.20	-1.18
19547	Upland-CECER7	64.02	167.22	-1.18
19548	Upland-CECER7	64.45	167.24	-1.18
19549	Upland-CECER7	64.99	167.26	-1.18
19550	Upland-CECER7	65.76	167.27	-1.17
19551	Upland-CECER7	65.61	167.29	-1.17
19552	Upland-CECER7	65.21	167.31	-1.17
19553	Upland-CECER7	64.92	167.33	-1.17
19554	Upland-CECER7	64.54	167.35	-1.17
19555	Upland-CECER7	64.26	167.36	-2.04
19556	Upland-CECER7	63.96	167.38	-2.04
19557	Upland-CECER7	63.35	167.40	-2.04
19558	Upland-CECER7	62.15	167.42	-2.04
19559	Upland-CECER7	61.58	167.43	-2.04
19560	Upland-CECER7	61.00	167.45	-2.04
19561	Upland-CECER7	60.80	167.47	-0.69
19562	Upland-CECER7	60.92	167.48	-0.69
19563	Upland-CECER7	60.19	167.50	-0.69
19564	Upland-CECER7	59.64	167.52	-0.69
19565	Upland-CECER7	59.04	167.53	-0.69
19566	Upland-CECER7	58.08	167.55	-0.69
19567	Upland-CECER7	57.50	167.56	-1.00
19568	Upland-CECER7	57.40	167.58	-1.00
19569	Upland-CECER7	56.87	167.60	-1.00
19570	Upland-CECER7	57.57	167.61	-1.00
19571	Upland-CECER7	58.54	167.63	-1.00
19572	Upland-CECER7	59.17	167.64	-1.00
19573	Upland-CECER7	59.16	167.66	-0.71
19574	Upland-CECER7	58.46	167.68	-0.71
19575	Upland-CECER7	57.95	167.69	-0.71
19576	Upland-CECER7	57.38	167.71	-0.71
19577	Upland-CECER7	56.81	167.72	-0.71
19578	Upland-CECER7	56.06	167.74	-0.71

time (s)	route	speed (mph)	distance (mi)	grade (%)
19423	Upland-CECER7	47.88	165.18	0.05
19424	Upland-CECER7	49.35	165.19	0.05
19425	Upland-CECER7	49.63	165.21	0.05
19426	Upland-CECER7	49.66	165.22	0.05
19427	Upland-CECER7	48.94	165.23	0.05
19428	Upland-CECER7	49.01	165.25	0.05
19429	Upland-CECER7	48.72	165.26	-0.43
19430	Upland-CECER7	49.48	165.27	-0.43
19431	Upland-CECER7	50.54	165.29	-0.43
19432	Upland-CECER7	52.05	165.30	-0.43
19433	Upland-CECER7	52.60	165.32	-0.43
19434	Upland-CECER7	51.38	165.33	-0.43
19435	Upland-CECER7	50.82	165.34	-0.43
19436	Upland-CECER7	50.21	165.36	-0.40
19437	Upland-CECER7	50.49	165.37	-0.40
19438	Upland-CECER7	51.58	165.39	-0.40
19439	Upland-CECER7	52.81	165.40	-0.40
19440	Upland-CECER7	53.83	165.42	-0.40
19441	Upland-CECER7	54.85	165.43	-0.40
19442	Upland-CECER7	55.58	165.45	-0.40
19443	Upland-CECER7	55.49	165.46	-0.60
19444	Upland-CECER7	54.78	165.48	-0.60
19445	Upland-CECER7	54.27	165.49	-0.60
19446	Upland-CECER7	53.39	165.51	-0.60
19447	Upland-CECER7	52.91	165.52	-0.60
19448	Upland-CECER7	52.23	165.54	-0.60
19449	Upland-CECER7	51.01	165.55	-0.60
19450	Upland-CECER7	49.70	165.56	-0.35
19451	Upland-CECER7	49.01	165.58	-0.35
19452	Upland-CECER7	48.96	165.59	-0.35
19453	Upland-CECER7	49.58	165.60	-0.35
19454	Upland-CECER7	50.16	165.62	-0.35
19455	Upland-CECER7	49.96	165.63	-0.35
19456	Upland-CECER7	49.53	165.64	-0.35
19457	Upland-CECER7	49.12	165.66	0.05
19458	Upland-CECER7	49.60	165.67	0.05
19459	Upland-CECER7	48.65	165.69	0.05
19460	Upland-CECER7	47.25	165.70	0.05
19461	Upland-CECER7	45.64	165.71	0.05
19462	Upland-CECER7	44.26	165.72	0.05
19463	Upland-CECER7	41.79	165.73	0.05
19464	Upland-CECER7	39.24	165.75	0.05
19465	Upland-CECER7	36.38	165.76	0.63
19466	Upland-CECER7	32.91	165.76	0.63
19467	Upland-CECER7	29.61	165.77	0.63
19468	Upland-CECER7	26.75	165.78	0.63
19469	Upland-CECER7	23.34	165.79	0.63
19470	Upland-CECER7	21.42	165.79	0.63
19471	Upland-CECER7	21.79	165.80	0.63
1947				

time [s]	route	speed [mph]	distance [mi]	grade [%]
19657	Upland-CECER7	40.63	168.86	-1.39
19658	Upland-CECER7	42.98	168.87	-1.39
19659	Upland-CECER7	45.50	168.88	-1.39
19660	Upland-CECER7	47.79	168.89	-1.39
19661	Upland-CECER7	49.88	168.91	-1.39
19662	Upland-CECER7	51.79	168.92	-1.39
19663	Upland-CECER7	53.47	168.94	-1.39
19664	Upland-CECER7	55.14	168.95	-1.25
19665	Upland-CECER7	56.54	168.97	-1.25
19666	Upland-CECER7	56.52	168.98	-1.25
19667	Upland-CECER7	56.75	169.00	-1.25
19668	Upland-CECER7	57.83	169.01	-1.25
19669	Upland-CECER7	58.84	169.03	-1.25
19670	Upland-CECER7	60.86	169.05	-1.25
19671	Upland-CECER7	61.65	169.06	-1.84
19672	Upland-CECER7	62.82	169.08	-1.84
19673	Upland-CECER7	63.55	169.10	-1.84
19674	Upland-CECER7	64.49	169.12	-1.84
19675	Upland-CECER7	65.07	169.13	-1.84
19676	Upland-CECER7	65.63	169.15	-1.26
19677	Upland-CECER7	66.22	169.17	-1.26
19678	Upland-CECER7	66.72	169.19	-1.26
19679	Upland-CECER7	66.82	169.21	-1.26
19680	Upland-CECER7	67.02	169.22	-1.26
19681	Upland-CECER7	67.21	169.24	-1.26
19682	Upland-CECER7	67.25	169.26	-1.36
19683	Upland-CECER7	67.04	169.28	-1.36
19684	Upland-CECER7	66.91	169.30	-1.36
19685	Upland-CECER7	67.13	169.32	-1.36
19686	Upland-CECER7	67.30	169.34	-1.36
19687	Upland-CECER7	67.39	169.35	-1.30
19688	Upland-CECER7	67.78	169.37	-1.30
19689	Upland-CECER7	68.12	169.39	-1.30
19690	Upland-CECER7	68.34	169.41	-1.30
19691	Upland-CECER7	68.59	169.43	-1.30
19692	Upland-CECER7	68.86	169.45	-1.30
19693	Upland-CECER7	68.40	169.47	-1.24
19694	Upland-CECER7	68.81	169.49	-1.24
19695	Upland-CECER7	68.95	169.50	-1.24
19696	Upland-CECER7	68.43	169.52	-1.24
19697	Upland-CECER7	67.73	169.54	-1.24
19698	Upland-CECER7	67.82	169.56	-1.10
19699	Upland-CECER7	68.09	169.58	-1.10
19700	Upland-CECER7	67.52	169.60	-1.10
19701	Upland-CECER7	67.05	169.62	-1.10
19702	Upland-CECER7	67.12	169.64	-1.10
19703	Upland-CECER7	67.12	169.65	-1.38
19704	Upland-CECER7	67.39	169.67	-1.38
19705	Upland-CECER7	66.72	169.69	-1.38
19706	Upland-CECER7	66.76	169.71	-1.38
19707	Upland-CECER7	67.34	169.73	-1.38
19708	Upland-CECER7	68.08	169.76	-1.38
19709	Upland-CECER7	68.77	169.78	-1.29
19710	Upland-CECER7	69.20	169.78	-1.29
19711	Upland-CECER7	69.49	169.80	-1.29
19712	Upland-CECER7	69.44	169.82	-1.29
19713	Upland-CECER7	69.27	169.84	-1.29
19714	Upland-CECER7	68.92	169.86	-1.34
19715	Upland-CECER7	68.53	169.88	-1.34
19716	Upland-CECER7	68.25	169.90	-1.34
19717	Upland-CECER7	67.80	169.92	-1.34
19718	Upland-CECER7	66.51	169.93	-1.34
19719	Upland-CECER7	65.86	169.95	-1.21
19720	Upland-CECER7	65.20	169.97	-1.21
19721	Upland-CECER7	64.78	169.99	-1.21
19722	Upland-CECER7	64.38	170.01	-1.21
19723	Upland-CECER7	63.90	170.02	-1.21
19724	Upland-CECER7	63.55	170.04	-1.21
19725	Upland-CECER7	63.41	170.06	-1.25
19726	Upland-CECER7	63.61	170.08	-1.25
19727	Upland-CECER7	63.85	170.09	-1.25
19728	Upland-CECER7	64.20	170.11	-1.25
19729	Upland-CECER7	64.32	170.13	-1.25
19730	Upland-CECER7	64.86	170.15	-1.25
19731	Upland-CECER7	65.42	170.16	-0.41
19732	Upland-CECER7	66.86	170.18	-0.41
19733	Upland-CECER7	66.43	170.20	-0.41
19734	Upland-CECER7	67.16	170.22	-0.41

time [s]	route	speed [mph]	distance [mi]	grade [%]
19813	Upland-CECER7	67.17	171.73	0.89
19814	Upland-CECER7	67.52	171.75	1.01
19815	Upland-CECER7	67.79	171.77	1.01
19816	Upland-CECER7	68.15	171.79	1.01
19817	Upland-CECER7	68.41	171.81	1.01
19818	Upland-CECER7	68.56	171.83	1.01
19819	Upland-CECER7	68.59	171.85	1.01
19820	Upland-CECER7	68.98	171.86	-0.67
19821	Upland-CECER7	69.37	171.88	-0.67
19822	Upland-CECER7	69.27	171.90	-0.67
19823	Upland-CECER7	68.38	171.92	-0.67
19824	Upland-CECER7	68.31	171.94	-0.67
19825	Upland-CECER7	69.06	171.96	4.98
19826	Upland-CECER7	69.85	171.98	4.98
19827	Upland-CECER7	70.46	172.00	4.98
19828	Upland-CECER7	70.82	172.02	4.98
19829	Upland-CECER7	71.19	172.04	4.98
19830	Upland-CECER7	71.75	172.06	-1.18
19831	Upland-CECER7	71.90	172.08	-1.18
19832	Upland-CECER7	71.61	172.10	-1.18
19833	Upland-CECER7	71.58	172.12	-1.18
19834	Upland-CECER7	70.97	172.13	-1.18
19835	Upland-CECER7	70.48	172.15	-4.07
19836	Upland-CECER7	69.92	172.17	-4.07
19837	Upland-CECER7	70.06	172.19	-4.07
19838	Upland-CECER7	70.48	172.21	-4.07
19839	Upland-CECER7	70.89	172.23	-4.07
19840	Upland-CECER7	71.20	172.25	-1.18
19841	Upland-CECER7	71.50	172.27	-1.18
19842	Upland-CECER7	71.79	172.29	-2.18
19843	Upland-CECER7	72.01	172.31	-2.18
19844	Upland-CECER7	71.99	172.33	-2.18
19845	Upland-CECER7	72.04	172.35	-2.18
19846	Upland-CECER7	71.97	172.37	-0.41
19847	Upland-CECER7	71.34	172.39	-0.41
19848	Upland-CECER7	70.60	172.41	-0.41
19849	Upland-CECER7	70.55	172.43	-0.41
19850	Upland-CECER7	70.92	172.45	-0.41
19851	Upland-CECER7	71.29	172.47	0.05
19852	Upland-CECER7	71.24	172.49	0.05
19853	Upland-CECER7	70.91	172.51	0.05
19854	Upland-CECER7	70.33	172.53	0.05
19855	Upland-CECER7	69.78	172.54	0.05
19856	Upland-CECER7	70.17	172.56	0.08
19857	Upland-CECER7	70.53	172.58	0.08
19858	Upland-CECER7	70.83	172.60	0.08
19859	Upland-CECER7	70.89	172.62	0.08
19860	Upland-CECER7	70.60	172.64	0.08
19861	Upland-CECER7	70.35	172.66	0.21
19862	Upland-CECER7	70.43	172.68	0.21
19863	Upland-CECER7	70.49	172.70	0.21
19864	Upland-CECER7	70.54	172.72	0.21
19865	Upland-CECER7	70.57	172.74	0.21
19866	Upland-CECER7	70.60	172.76	-0.04
19867	Upland-CECER7	70.63	172.78	-0.04
19868	Upland-CECER7	70.62	172.80	-0.04
19869	Upland-CECER7	69.95	172.82	-0.04
19870	Upland-CECER7	68.89	172.84	0.04
19871	Upland-CECER7	68.40	172.85	-0.02
19872	Upland-CECER7	68.42	172.87	-0.02
19873	Upland-CECER7	68.02	172.89	-0.02
19874	Upland-CECER7	67.72	172.91	-0.02
19875	Upland-CECER7	67.80	172.93	-0.02
19876	Upland-CECER7	67.37	172.95	-0.02
19877	Upland-CECER7	67.09	172.97	0.30
19878	Upland-CECER7	67.22	172.98	0.30
19879	Upland-CECER7	67.40	173.00	0.30
19880	Upland-CECER7	67.15	173.02	0.30
19881	Upland-CECER7	66.79	173.04	0.30
19882	Upland-CECER7	66.44	173.06	0.66
19883	Upland-CECER7	66.42	173.08	0.66
19884	Upland-CECER7	66.69	173.09	0.66
19885	Upland-CECER7	67.01	173.11	0.66
19886	Upland-CECER7	67.36	173.13	0.66
19887	Upland-CECER7	67.11	173.15	0.66
19888	Upland-CECER7	67.96	173.17	0.45
19889	Upland-CECER7	68.19	173.19	0.45
19890	Upland-CECER7	68.40	173.21	0.45

time [s]	route	speed [mph]	distance [mi]	grade [%]
19735	Upland-CECER7	68.24	170.24	-0.41
19736	Upland-CECER7	69.51	170.26	-0.40
19737	Upland-CECER7	70.75	170.28	-0.40
19738	Upland-CECER7	71.13	170.30	-0.40
19739	Upland-CECER7	71.86	170.32	-0.40
19740	Upland-CECER7	73.23	170.34	-0.40
19741	Upland-CECER7	74.51	170.36	-0.51
19742	Upland-CECER7	75.56	170.38	-0.51
19743	Upland-CECER7	75.56	170.40	-0.51
19744	Upland-CECER7	75.45	170.42	-0.51
19745	Upland-CECER7	75.47	170.44	-0.51
19746	Upland-CECER7	75.21	170.46	-0.79
19747	Upland-CECER7	74.52	170.48	0.79
19748	Upland-CECER7	73.39	170.50	0.79
19749	Upland-CECER7	72.55	170.52	0.79
19750	Upland-CECER7	71.83	170.54	0.79
19751	Upland-CECER7	71.05	170.56	-0.21
19752	Upland-CECER7	69.72	170.58	-0.21
19753	Upland-CECER7	67.62	170.60	-0.21
19754	Upland-CECER7	65.44	170.62	-0.21
19755	Upland-CECER7	64.29	170.63	-0.21
19756	Upland-CECER7	64.52	170.65	0.55
19757	Upland-CECER7	65.22	170.67	0.55
19758	Upland-CECER7	65.79	170.69	0.55
19759	Upland-CECER7	66.36	170.71	0.55
19760	Upland-CECER7	66.86	170.72	0.55
19761	Upland-CECER7	66.27	170.74	0.55
19762	Upland-CECER7	65.88	170.76	0.13
19763	Upland-CECER7	66.20	170.78	0.13
19764	Upland-CECER7	66.34	170.80	0.13
19765	Upland-CECER7	66.61	170.82	0.13
19766	Upland-CECER7	67.14	170.83	0.13
19767	Upland-CECER7	67.82	170.85	0.06
19768	Upland-CECER7	68.18	170.87	0.06
19769	Upland-CECER7	68.69	170.89	0.06
19770	Upland-CECER7	69.17	170.91	0.06
19771	Upland-CECER7	69.61	170.93	0.06
19772	Upland-CECER7	69.57	170.95	0.06
19773	Upland-CECER7	69.81	170.97	-1.02
19774	Upland-CECER7	70.74	170.99	-1.02
19775	Upland-CECER7	71.59	171.01	-1.02
19776	Upland-CECER7	72.28	171.03	-1.02
19777	Upland-CECER7	72.57	171.05	-1.02
19778	Upland-CECER7	72.79	171.07	-0.69
19779	Upland-CECER7	72.94	171.09	-0.69
19780	Upland-CECER7	73.07	171.11	-0.69
19781	Upland-CECER7	72.74	171.13	-0.69
19782	Upland-CECER7	71.87	171.15	-0.69

time (s)	route	speed (mph)	distance (mi)	grade (%)
19969	Upland-CECER2	67.33	174.66	0.47
19970	Upland-CECER2	66.55	174.67	0.47
19971	Upland-CECER2	66.10	174.69	0.47
19972	Upland-CECER2	66.45	174.71	0.47
19973	Upland-CECER2	66.74	174.73	0.47
19974	Upland-CECER2	67.03	174.75	0.47
19975	Upland-CECER2	67.07	174.77	0.33
19976	Upland-CECER2	66.31	174.78	0.33
19977	Upland-CECER2	66.02	174.80	0.33
19978	Upland-CECER2	65.97	174.82	0.33
19979	Upland-CECER2	65.87	174.84	0.33
19980	Upland-CECER2	66.27	174.86	0.60
19981	Upland-CECER2	66.76	174.88	0.60
19982	Upland-CECER2	66.65	174.89	0.60
19983	Upland-CECER2	66.12	174.91	0.60
19984	Upland-CECER2	66.80	174.93	0.60
19985	Upland-CECER2	67.27	174.95	0.60
19986	Upland-CECER2	66.99	174.97	0.53
19987	Upland-CECER2	66.22	174.99	0.53
19988	Upland-CECER2	65.79	175.00	0.53
19989	Upland-CECER2	66.37	175.02	0.53
19990	Upland-CECER2	67.20	175.04	0.53
19991	Upland-CECER2	67.70	175.06	0.63
19992	Upland-CECER2	67.39	175.08	0.63
19993	Upland-CECER2	67.06	175.10	0.63
19994	Upland-CECER2	67.21	175.11	0.63
19995	Upland-CECER2	67.78	175.13	0.63
19996	Upland-CECER2	68.08	175.15	0.51
19997	Upland-CECER2	67.92	175.17	0.51
19998	Upland-CECER2	66.83	175.19	0.51
19999	Upland-CECER2	66.60	175.21	0.51
20000	Upland-CECER2	67.02	175.23	0.51
20001	Upland-CECER2	67.35	175.24	0.51
20002	Upland-CECER2	67.28	175.26	0.79
20003	Upland-CECER2	66.55	175.28	0.79
20004	Upland-CECER2	65.52	175.30	0.79
20005	Upland-CECER2	64.64	175.32	0.79
20006	Upland-CECER2	63.78	175.33	0.79
20007	Upland-CECER2	62.75	175.35	-0.10
20008	Upland-CECER2	61.44	175.37	-0.10
20009	Upland-CECER2	59.91	175.39	-0.10
20010	Upland-CECER2	59.77	175.40	-0.10
20011	Upland-CECER2	60.49	175.42	-0.10
20012	Upland-CECER2	61.54	175.43	-0.10
20013	Upland-CECER2	62.14	175.45	0.98
20014	Upland-CECER2	61.93	175.47	0.98
20015	Upland-CECER2	61.59	175.49	0.98
20016	Upland-CECER2	61.86	175.50	0.98
20017	Upland-CECER2	61.79	175.52	0.98
20018	Upland-CECER2	61.62	175.54	0.98
20019	Upland-CECER2	61.06	175.55	3.15
20020	Upland-CECER2	61.46	175.57	3.15
20021	Upland-CECER2	61.30	175.59	3.15
20022	Upland-CECER2	60.49	175.60	3.15
20023	Upland-CECER2	59.90	175.62	3.15
20024	Upland-CECER2	58.61	175.64	3.15
20025	Upland-CECER2	56.16	175.65	-0.07
20026	Upland-CECER2	55.11	175.67	-0.07
20027	Upland-CECER2	50.44	175.68	-0.07
20028	Upland-CECER2	48.18	175.69	-0.07
20029	Upland-CECER2	46.00	175.71	-0.07
20030	Upland-CECER2	44.62	175.72	-0.07
20031	Upland-CECER2	44.48	175.73	-0.07
20032	Upland-CECER2	45.04	175.74	-0.07
20033	Upland-CECER2	45.86	175.76	0.41
20034	Upland-CECER2	46.69	175.77	0.41
20035	Upland-CECER2	48.34	175.78	0.41
20036	Upland-CECER2	50.20	175.80	0.41
20037	Upland-CECER2	51.59	175.81	0.41
20038	Upland-CECER2	53.64	175.83	0.41
20039	Upland-CECER2	55.27	175.84	0.41
20040	Upland-CECER2	56.88	175.86	0.81
20041	Upland-CECER2	58.04	175.87	0.81
20042	Upland-CECER2	59.37	175.89	0.81
20043	Upland-CECER2	60.45	175.90	0.81
20044	Upland-CECER2	61.05	175.92	0.81
20045	Upland-CECER2	60.51	175.94	0.81
20046	Upland-CECER2	59.94	175.95	0.43

time (s)	route	speed (mph)	distance (mi)	grade (%)
20125	Upland-CECER2	55.93	177.32	-0.24
20126	Upland-CECER2	56.56	177.33	-0.24
20127	Upland-CECER2	57.66	177.35	-0.24
20128	Upland-CECER2	58.81	177.37	-0.32
20129	Upland-CECER2	60.08	177.38	-0.32
20130	Upland-CECER2	60.57	177.40	-0.32
20131	Upland-CECER2	60.38	177.42	-0.32
20132	Upland-CECER2	60.12	177.43	-0.32
20133	Upland-CECER2	59.98	177.45	-0.32
20134	Upland-CECER2	60.38	177.46	0.01
20135	Upland-CECER2	60.83	177.48	0.01
20136	Upland-CECER2	61.63	177.50	0.01
20137	Upland-CECER2	62.36	177.52	0.01
20138	Upland-CECER2	63.11	177.53	0.01
20139	Upland-CECER2	64.19	177.55	-0.04
20140	Upland-CECER2	64.67	177.57	-0.04
20141	Upland-CECER2	65.15	177.59	-0.04
20142	Upland-CECER2	64.67	177.60	-0.04
20143	Upland-CECER2	63.90	177.62	-0.04
20144	Upland-CECER2	63.53	177.64	-0.04
20145	Upland-CECER2	64.01	177.66	-0.18
20146	Upland-CECER2	64.43	177.67	-0.18
20147	Upland-CECER2	64.12	177.69	-0.18
20148	Upland-CECER2	64.50	177.71	-0.18
20149	Upland-CECER2	64.02	177.73	-0.18
20150	Upland-CECER2	63.81	177.75	-0.18
20151	Upland-CECER2	63.58	177.76	-0.45
20152	Upland-CECER2	63.89	177.78	-0.45
20153	Upland-CECER2	63.80	177.80	-0.45
20154	Upland-CECER2	63.21	177.82	-0.45
20155	Upland-CECER2	63.59	177.83	-0.45
20156	Upland-CECER2	64.11	177.85	-0.26
20157	Upland-CECER2	64.21	177.87	-0.26
20158	Upland-CECER2	63.44	177.89	-0.26
20159	Upland-CECER2	62.67	177.90	-0.26
20160	Upland-CECER2	62.70	177.92	-0.26
20161	Upland-CECER2	62.98	177.94	-0.26
20162	Upland-CECER2	63.20	177.95	-0.19
20163	Upland-CECER2	63.38	177.97	-0.19
20164	Upland-CECER2	63.35	177.99	-0.19
20165	Upland-CECER2	63.13	178.01	-0.19
20166	Upland-CECER2	62.35	178.02	-0.19
20167	Upland-CECER2	62.64	178.04	-0.19
20168	Upland-CECER2	63.14	178.06	0.17
20169	Upland-CECER2	63.84	178.08	0.17
20170	Upland-CECER2	64.66	178.09	0.17
20171	Upland-CECER2	65.34	178.11	0.17
20172	Upland-CECER2	66.00	178.13	0.17
20173	Upland-CECER2	66.61	178.15	0.17
20174	Upland-CECER2	66.96	178.17	0.15
20175	Upland-CECER2	67.45	178.19	0.15
20176	Upland-CECER2	67.99	178.20	0.15
20177	Upland-CECER2	67.92	178.22	0.15
20178	Upland-CECER2	67.29	178.24	0.15
20179	Upland-CECER2	66.45	178.26	0.11
20180	Upland-CECER2	65.74	178.28	-0.11
20181	Upland-CECER2	64.30	178.29	-0.11
20182	Upland-CECER2	62.45	178.31	-0.11
20183	Upland-CECER2	60.27	178.33	-0.11
20184	Upland-CECER2	59.34	178.35	-0.11
20185	Upland-CECER2	58.69	178.36	-0.25
20186	Upland-CECER2	57.97	178.38	-0.25
20187	Upland-CECER2	57.31	178.39	-0.25
20188	Upland-CECER2	56.78	178.41	-0.25
20189	Upland-CECER2	56.02	178.42	-0.25
20190	Upland-CECER2	55.47	178.44	-0.25
20191	Upland-CECER2	54.83	178.45	-0.16
20192	Upland-CECER2	54.88	178.47	-0.16
20193	Upland-CECER2	55.10	178.48	-0.16
20194	Upland-CECER2	54.55	178.50	-0.16
20195	Upland-CECER2	54.80	178.51	-0.16
20196	Upland-CECER2	54.51	178.53	-0.16
20197	Upland-CECER2	54.94	178.54	-0.16
20198	Upland-CECER2	55.58	178.56	0.79
20199	Upland-CECER2	55.74	178.58	0.79
20200	Upland-CECER2	55.58	178.59	0.79
20201	Upland-CECER2	56.46	178.61	0.79
20202	Upland-CECER2	57.18	178.62	0.79

time (s)	route	speed (mph)	distance (mi)	grade (%)
20047	Upland-CECER2	60.16	175.97	0.43
20048	Upland-CECER2	60.04	175.99	0.43
20049	Upland-CECER2	59.29	176.00	0.43
20050	Upland-CECER2	58.66	176.02	0.43
20051	Upland-CECER2	58.46	176.04	0.43
20052	Upland-CECER2	59.09	176.05	0.36
20053	Upland-CECER2	59.82	176.07	0.36
20054	Upland-CECER2	60.41	176.09	0.36
20055	Upland-CECER2	61.11	176.10	0.36
20056	Upland-CECER2	61.61	176.12	0.36
20057	Upland-CECER2	62.34	176.14	0.36
20058	Upland-CECER2	62.80	176.15	0.08
20059	Upland-CECER2	63.49	176.17	0.08
20060	Upland-CECER2	64.43	176.19	0.08
20061	Upland-CECER2	65.08	176.21	0.08
20062	Upland-CECER2	65.61	176.22	0.08
20063	Upland-CECER2	65.38	176.24	0.08
20064	Upland-CECER2	64.46	176.26	0.25
20065	Upland-CECER2	63.75	176.28	0.25
20066	Upland-CECER2	63.95	176.30	0.25
20067	Upland-CECER2	64.29	176.31	0.25
20068	Upland-CECER2	64.85	176.33	0.25
20069	Upland-CECER2	64.84	176.35	0.25
20070	Upland-CECER2	64.60	176.37	2.07
20071	Upland-CECER2	63.34	176.38	2.07
20072	Upland-CECER2	63.56	176.40	2.07
20073	Upland-CECER2	64.22	176.42	2.07
20074	Upland-CECER2	64.82	176.44	2.07
20075	Upland-CECER2	64.93	176.45	1.01
20076	Upland-CECER2	64.90	176.47	1.01
20077	Upland-CECER2	64.80	176.49	1.01
20078	Upland-CECER2	64.55	176.51	1.01
20079	Upland-CECER2	64.99	176.53	1.01
20080	Upland-CECER2	65.30	176.54	1.01
20081	Upland-CECER2	65.50	176.56	0.89
20082	Upland-CECER2	65.69	176.58	-0.89
20083	Upland-CECER2	65.97	176.60	-0.89
20084	Upland-CECER2	66.26	176.62	-0.89
20085	Upland-CECER2	66.80	176.63	-0.89
20086	Upland-CECER2	67.29	176.65	-1.37
20087	Upland-CECER2	67.66	176.67	-1.37
20088	Upland-CECER2	67.98	176.69	-1.37
20089	Upland-CECER2	68.06	176.71	-1.37
20090	Upland-CECER2	68.29	176.73	-1.37
20091	Upland-CECER2	68.63	176.75	-1.37
20092	Upland-CECER2	68.27	176.77	-0.19
20093	Upland-CECER2	67.51	176.78	-0.19
20094	Upland-CECER2	66.76	176.80	-0.19
20095	Upland-CECER2	65.93	176.82	

time (s)	route	speed (mph)	distance (mi)	grade (%)
20281	Upland-CECERT	5.38	179.90	-0.50
20282	Upland-CECERT	2.60	179.91	-0.50
20283	Upland-CECERT	1.24	179.91	-0.50
20284	Upland-CECERT	2.08	179.91	-0.50
20285	Upland-CECERT	3.55	179.91	-0.50
20286	Upland-CECERT	5.01	179.91	-0.50
20287	Upland-CECERT	5.91	179.91	-0.50
20288	Upland-CECERT	7.54	179.91	-0.50
20289	Upland-CECERT	8.11	179.91	-0.50
20290	Upland-CECERT	7.49	179.92	-0.50
20291	Upland-CECERT	6.58	179.92	-0.50
20292	Upland-CECERT	6.38	179.92	-0.50
20293	Upland-CECERT	6.79	179.92	-0.50
20294	Upland-CECERT	9.27	179.92	-0.50
20295	Upland-CECERT	11.55	179.93	-0.50
20296	Upland-CECERT	11.79	179.93	-0.50
20297	Upland-CECERT	11.32	179.93	-0.50
20298	Upland-CECERT	11.30	179.94	-0.50
20299	Upland-CECERT	10.27	179.94	-0.50
20300	Upland-CECERT	10.25	179.94	-0.50
20301	Upland-CECERT	9.59	179.95	-0.50
20302	Upland-CECERT	9.09	179.95	-0.50
20303	Upland-CECERT	8.18	179.95	-0.81
20304	Upland-CECERT	8.83	179.95	-0.81
20305	Upland-CECERT	7.95	179.96	-0.81
20306	Upland-CECERT	7.89	179.96	-0.81
20307	Upland-CECERT	7.80	179.96	-0.81
20308	Upland-CECERT	7.73	179.96	-0.81
20309	Upland-CECERT	7.66	179.96	-0.81
20310	Upland-CECERT	7.62	179.97	-0.81
20311	Upland-CECERT	7.55	179.97	-0.81
20312	Upland-CECERT	7.50	179.97	-0.81
20313	Upland-CECERT	7.46	179.97	-0.81
20314	Upland-CECERT	7.40	179.97	-0.81
20315	Upland-CECERT	7.56	179.98	-0.81
20316	Upland-CECERT	8.20	179.98	-0.81
20317	Upland-CECERT	8.41	179.98	-0.81
20318	Upland-CECERT	8.20	179.98	-0.81
20319	Upland-CECERT	8.15	179.99	-0.81
20320	Upland-CECERT	7.75	179.99	-0.81
20321	Upland-CECERT	6.38	179.99	-0.81
20322	Upland-CECERT	4.76	179.99	-0.81
20323	Upland-CECERT	3.74	179.99	-0.81
20324	Upland-CECERT	3.27	179.99	-0.81
20325	Upland-CECERT	2.51	179.99	-0.81
20326	Upland-CECERT	1.50	179.99	-0.81
20327	Upland-CECERT	0.35	179.99	-0.81
20328	Upland-CECERT	0.34	179.99	-0.81
20329	Upland-CECERT	1.38	179.99	-0.81
20330	Upland-CECERT	1.30	179.99	-0.81
20331	Upland-CECERT	0.33	179.99	-0.81
20332	Upland-CECERT	0.00	179.99	-0.81
20333	Upland-CECERT	0.00	179.99	-0.81
20334	Upland-CECERT	0.00	179.99	-0.81
20335	Upland-CECERT	0.00	179.99	-0.81
20336	Upland-CECERT	0.00	179.99	-0.81
20337	Upland-CECERT	0.00	179.99	-0.81
20338	Upland-CECERT	0.00	179.99	-0.81
20339	Upland-CECERT	0.00	179.99	-0.81
20340	Upland-CECERT	0.00	179.99	-0.81
20341	Upland-CECERT	0.00	179.99	-0.81
20342	Upland-CECERT	0.00	179.99	-0.81
20343	Upland-CECERT	0.00	179.99	-0.81
20344	Upland-CECERT	0.00	179.99	-0.81
20345	Upland-CECERT	0.00	179.99	-0.81
20346	Upland-CECERT	0.90	179.99	-0.81
20347	Upland-CECERT	0.98	179.99	-0.81
20348	Upland-CECERT	0.81	180.00	-0.81
20349	Upland-CECERT	0.00	180.00	-0.81
20350	Upland-CECERT	0.00	180.00	-0.81
20351	Upland-CECERT	0.00	180.00	-0.81
20352	Upland-CECERT	0.00	180.00	-0.81
20353	Upland-CECERT	0.00	180.00	-0.81
20354	Upland-CECERT	0.00	180.00	-0.81
20355	Upland-CECERT	0.00	180.00	-0.81
20356	Upland-CECERT	0.00	180.00	-0.81
20357	Upland-CECERT	0.00	180.00	-0.81
20358	Upland-CECERT	0.00	180.00	-0.81

time (s)	route	speed (mph)	distance (mi)	grade (%)
20437	Upland-CECERT	51.00	180.42	3.74
20438	Upland-CECERT	47.05	180.44	3.74
20439	Upland-CECERT	43.27	180.45	3.74
20440	Upland-CECERT	40.68	180.46	3.75
20441	Upland-CECERT	38.40	180.47	-6.75
20442	Upland-CECERT	36.56	180.48	-6.75
20443	Upland-CECERT	35.95	180.49	-6.75
20444	Upland-CECERT	36.08	180.50	-6.75
20445	Upland-CECERT	37.51	180.51	-6.75
20446	Upland-CECERT	39.82	180.52	-6.75
20447	Upland-CECERT	42.11	180.53	-6.75
20448	Upland-CECERT	44.64	180.55	-6.75
20449	Upland-CECERT	46.59	180.56	-1.44
20450	Upland-CECERT	46.22	180.57	-1.44
20451	Upland-CECERT	45.00	180.58	-1.44
20452	Upland-CECERT	42.80	180.59	-1.44
20453	Upland-CECERT	40.41	180.61	-1.44
20454	Upland-CECERT	37.95	180.62	-1.44
20455	Upland-CECERT	36.25	180.63	-1.44
20456	Upland-CECERT	36.42	180.64	-1.44
20457	Upland-CECERT	36.81	180.65	-1.44
20458	Upland-CECERT	36.44	180.66	-1.57
20459	Upland-CECERT	37.27	180.67	-1.57
20460	Upland-CECERT	38.73	180.68	-1.57
20461	Upland-CECERT	39.73	180.69	-1.57
20462	Upland-CECERT	39.25	180.70	-1.57
20463	Upland-CECERT	38.06	180.71	-1.57
20464	Upland-CECERT	37.22	180.72	-1.57
20465	Upland-CECERT	36.82	180.73	-1.57
20466	Upland-CECERT	37.65	180.74	-1.57
20467	Upland-CECERT	38.17	180.75	-1.55
20468	Upland-CECERT	38.16	180.76	-1.55
20469	Upland-CECERT	37.75	180.77	-1.55
20470	Upland-CECERT	37.45	180.78	-1.55
20471	Upland-CECERT	37.00	180.79	-1.55
20472	Upland-CECERT	36.59	180.80	-1.55
20473	Upland-CECERT	35.56	180.81	-1.55
20474	Upland-CECERT	34.89	180.82	-1.55
20475	Upland-CECERT	33.66	180.83	-1.55
20476	Upland-CECERT	33.13	180.84	-1.55
20477	Upland-CECERT	32.71	180.85	-1.55
20478	Upland-CECERT	32.13	180.86	-1.26
20479	Upland-CECERT	30.94	180.87	-1.26
20480	Upland-CECERT	29.18	180.87	-1.26
20481	Upland-CECERT	27.52	180.88	-1.26
20482	Upland-CECERT	25.47	180.89	-1.26
20483	Upland-CECERT	23.51	180.90	-1.26
20484	Upland-CECERT	21.50	180.90	-1.26
20485	Upland-CECERT	19.40	180.91	-1.26
20486	Upland-CECERT	17.11	180.91	-1.26
20487	Upland-CECERT	14.30	180.92	-1.26
20488	Upland-CECERT	12.61	180.92	-1.26
20489	Upland-CECERT	11.44	180.92	-1.26
20490	Upland-CECERT	10.89	180.92	-1.26
20491	Upland-CECERT	9.59	180.93	-1.26
20492	Upland-CECERT	7.70	180.93	-1.26
20493	Upland-CECERT	5.83	180.93	-1.26
20494	Upland-CECERT	4.61	180.93	-1.26
20495	Upland-CECERT	3.67	180.93	-1.26
20496	Upland-CECERT	2.90	180.93	-1.26
20497	Upland-CECERT	2.15	180.93	-1.26
20498	Upland-CECERT	1.56	180.94	-1.26
20499	Upland-CECERT	0.96	180.94	-1.26
20500	Upland-CECERT	0.00	180.94	-1.26
20501	Upland-CECERT	0.00	180.94	-1.26
20502	Upland-CECERT	0.00	180.94	-1.26
20503	Upland-CECERT	0.78	180.94	-1.26
20504	Upland-CECERT	0.79	180.94	-1.26
20505	Upland-CECERT	0.00	180.94	-1.26
20506	Upland-CECERT	0.00	180.94	-1.26
20507	Upland-CECERT	0.51	180.94	-1.26
20508	Upland-CECERT	1.16	180.94	-1.26
20509	Upland-CECERT	0.70	180.94	-1.26
20510	Upland-CECERT	0.00	180.94	-1.26
20511	Upland-CECERT	0.00	180.94	-1.26
20512	Upland-CECERT	0.76	180.94	-1.26
20513	Upland-CECERT	0.00	180.94	-1.26
20514	Upland-CECERT	0.96	180.94	-1.26

time (s)	route	speed (mph)	distance (mi)	grade (%)
20359	Upland-CECERT	0.00	180.00	-0.81
20360	Upland-CECERT	0.00	180.00	-0.81
20361	Upland-CECERT	0.00	180.00	-0.81
20362	Upland-CECERT	0.00	180.00	-0.81
20363	Upland-CECERT	0.00	180.00	-0.81
20364	Upland-CECERT	0.00	180.00	-0.81
20365	Upland-CECERT	0.14	180.00	-0.81
20366	Upland-CECERT	1.23	180.00	-0.81
20367	Upland-CECERT	1.52	180.00	-0.81
20368	Upland-CECERT	2.48	180.00	-0.81
20369	Upland-CECERT	4.81	180.00	-0.81
20370	Upland-CECERT	7.36	180.00	-0.81
20371	Upland-CECERT	7.79	180.00	-0.81
20372	Upland-CECERT	8.07	180.00	-0.81
20373	Upland-CECERT	8.50	180.01	-0.81
20374	Upland-CECERT	8.08	180.01	-0.81
20375	Upland-CECERT	8.82	180.01	-0.81
20376	Upland-CECERT	10.06	180.01	-0.81
20377	Upland-CECERT	11.67	180.02	-0.81
20378	Upland-CECERT	12.87	180.02	-0.81
20379	Upland-CECERT	13.86	180.02	-0.81
20380	Upland-CECERT	13.59	180.03	-0.81
20381	Upland-CECERT	12.69	180.03	-0.81
20382	Upland-CECERT	12.25	180.04	-0.81
20383	Upland-CECERT	13.55	180.04	-0.81
20384	Upland-CECERT	15.28	180.04	-0.81
20385	Upland-CECERT	17.43	180.05	-0.81
20386	Upland-CECERT	19.53	180.05	-1.03
20387	Upland-CECERT	20.11	180.06	-1.03
20388	Upland-CECERT	18.90	180.06	-1.03
20389	Upland-CECERT	17.58	180.07	-1.03
20390	Upland-CECERT	15.98	180.07	-1.03
20391	Upland-CECERT	14.61	180.08	-1.03
20392	Upland-CECERT	14.09	180.08	-1.03
20393	Upland-CECERT	14.57	180.09	-1.03
20394	Upland-CECERT	14.53	180.09	-1.03
20395	Upland-CECERT	14.81	180.09	-1.03
20396	Upland-CECERT	14.26	180.10	-1.03
20397	Upland-CECERT	13.68	180.10	-1.03
20398	Upland-CECERT	13.45	180.10	-1.03
20399	Upland-CECERT	13.36	180.11	-1.03
20400	Upland-CECERT	13.27	180.11	-1.03
20401	Upland-CECERT	12.90	180.12	-1.03
20402	Upland-CECERT	11.57	180.12	-1.03
20403	Upland-CECERT	9.02	180.12	-1.03
20404	Upland-CECERT	7.17	180.12	-1.03
20405	Upland-CECERT	7.06	180.12	-1.03
20406	Upland-CECERT	8.70	180.13	-1.03
20407	Upland-CECERT	11.28	180.13	-1.03
20408	Upland-CECERT	13.13	180.13	-1.03
20409	Upland-CECERT	13.25	180.14	-1.03
20410	Upland-CECERT	11.71	180.14	-1.03
20411	Upland-CECERT	9.15	180.14	-1.03
20412	Upland-CECERT	7.95	180.15	-1.03
20413				

time (s)	route	speed (mph)	distance (mi)	grade (%)
20593	Upland-CECER	6.26	181.52	-1.03
20594	Upland-CECER	7.58	181.52	-1.03
20595	Upland-CECER	10.76	181.53	-1.03
20596	Upland-CECER	11.17	181.53	-1.03
20597	Upland-CECER	12.53	181.53	-1.03
20598	Upland-CECER	15.92	181.54	-1.03
20599	Upland-CECER	19.84	181.54	-1.03
20600	Upland-CECER	23.75	181.55	-1.03
20601	Upland-CECER	27.09	181.56	-1.00
20602	Upland-CECER	29.98	181.56	-1.00
20603	Upland-CECER	32.42	181.57	-1.00
20604	Upland-CECER	33.96	181.58	-1.00
20605	Upland-CECER	35.51	181.59	-1.00
20606	Upland-CECER	36.77	181.60	-1.00
20607	Upland-CECER	38.42	181.61	-1.00
20608	Upland-CECER	40.50	181.62	-1.00
20609	Upland-CECER	43.12	181.64	-1.00
20610	Upland-CECER	45.60	181.65	-1.00
20611	Upland-CECER	47.42	181.66	-0.77
20612	Upland-CECER	48.55	181.68	-0.77
20613	Upland-CECER	49.20	181.69	-0.77
20614	Upland-CECER	49.34	181.70	-0.77
20615	Upland-CECER	48.68	181.72	-0.77
20616	Upland-CECER	48.22	181.73	-0.77
20617	Upland-CECER	47.75	181.74	-0.77
20618	Upland-CECER	46.88	181.75	-0.78
20619	Upland-CECER	45.06	181.77	-0.78
20620	Upland-CECER	42.17	181.78	-0.78
20621	Upland-CECER	39.77	181.79	-0.78
20622	Upland-CECER	36.54	181.80	-0.78
20623	Upland-CECER	33.38	181.81	-0.78
20624	Upland-CECER	30.33	181.82	-0.78
20625	Upland-CECER	28.31	181.83	-0.78
20626	Upland-CECER	26.48	181.83	-0.78
20627	Upland-CECER	24.63	181.84	-0.78
20628	Upland-CECER	22.83	181.85	-0.78
20629	Upland-CECER	21.26	181.85	-1.12
20630	Upland-CECER	19.74	181.86	-1.12
20631	Upland-CECER	18.24	181.86	-1.12
20632	Upland-CECER	16.88	181.87	-1.12
20633	Upland-CECER	15.64	181.87	-1.12
20634	Upland-CECER	14.53	181.87	-1.12
20635	Upland-CECER	12.79	181.88	-1.12
20636	Upland-CECER	11.45	181.88	-1.12
20637	Upland-CECER	9.97	181.88	-1.12
20638	Upland-CECER	8.33	181.89	-1.12
20639	Upland-CECER	7.15	181.89	-1.12
20640	Upland-CECER	6.31	181.89	-1.12
20641	Upland-CECER	5.64	181.89	-1.12
20642	Upland-CECER	5.21	181.89	-1.12
20643	Upland-CECER	4.72	181.89	-1.12
20644	Upland-CECER	4.28	181.90	-1.12
20645	Upland-CECER	3.81	181.90	-1.12
20646	Upland-CECER	3.29	181.90	-1.12
20647	Upland-CECER	2.73	181.90	-1.12
20648	Upland-CECER	2.21	181.90	-1.12
20649	Upland-CECER	1.66	181.90	-1.12
20650	Upland-CECER	1.09	181.90	-1.12
20651	Upland-CECER	0.54	181.90	-1.12
20652	Upland-CECER	0.00	181.90	-1.12
20653	Upland-CECER	1.65	181.90	-1.12
20654	Upland-CECER	3.04	181.90	-1.12
20655	Upland-CECER	3.38	181.90	-1.12
20656	Upland-CECER	3.06	181.90	-1.12
20657	Upland-CECER	2.93	181.90	-1.12
20658	Upland-CECER	2.83	181.90	-1.12
20659	Upland-CECER	2.66	181.91	-1.12
20660	Upland-CECER	2.43	181.91	-1.12
20661	Upland-CECER	2.01	181.91	-1.12
20662	Upland-CECER	1.35	181.91	-1.12
20663	Upland-CECER	0.49	181.91	-1.12
20664	Upland-CECER	0.00	181.91	-1.12
20665	Upland-CECER	0.00	181.91	-1.12
20666	Upland-CECER	0.44	181.91	-1.12
20667	Upland-CECER	2.32	181.91	-1.12
20668	Upland-CECER	4.52	181.91	-1.12
20669	Upland-CECER	7.12	181.91	-1.12
20670	Upland-CECER	8.87	181.91	-1.12

time (s)	route	speed (mph)	distance (mi)	grade (%)
20749	Upland-CECER	7.98	182.21	-4.41
20750	Upland-CECER	8.81	182.21	-4.41
20751	Upland-CECER	8.51	182.21	-4.41
20752	Upland-CECER	8.16	182.22	-4.41
20753	Upland-CECER	7.78	182.22	-4.41
20754	Upland-CECER	7.15	182.22	-4.41
20755	Upland-CECER	5.22	182.22	-4.41
20756	Upland-CECER	3.82	182.22	-4.41
20757	Upland-CECER	2.31	182.22	-4.41
20758	Upland-CECER	3.10	182.22	-4.41
20759	Upland-CECER	4.97	182.23	-4.41
20760	Upland-CECER	6.47	182.23	-4.41
20761	Upland-CECER	6.02	182.23	-4.41
20762	Upland-CECER	3.65	182.23	-4.41
20763	Upland-CECER	1.42	182.23	-4.41
20764	Upland-CECER	3.47	182.23	-4.41
20765	Upland-CECER	8.15	182.23	-4.41
20766	Upland-CECER	12.74	182.24	-4.41
20767	Upland-CECER	16.68	182.24	-4.41
20768	Upland-CECER	20.93	182.25	-0.68
20769	Upland-CECER	24.63	182.25	-0.68
20770	Upland-CECER	26.99	182.26	-0.68
20771	Upland-CECER	26.54	182.27	-0.68
20772	Upland-CECER	25.62	182.28	-0.68
20773	Upland-CECER	23.15	182.28	-0.68
20774	Upland-CECER	21.30	182.29	-0.68
20775	Upland-CECER	20.66	182.29	-0.68
20776	Upland-CECER	19.11	182.30	-0.68
20777	Upland-CECER	17.26	182.30	-0.68
20778	Upland-CECER	14.98	182.31	-0.68
20779	Upland-CECER	12.52	182.31	-0.68
20780	Upland-CECER	9.94	182.31	-0.68
20781	Upland-CECER	6.36	182.32	-0.68
20782	Upland-CECER	3.28	182.32	-0.68
20783	Upland-CECER	0.72	182.32	-0.68
20784	Upland-CECER	0.00	182.32	-0.68
20785	Upland-CECER	0.00	182.32	-0.68
20786	Upland-CECER	0.00	182.32	-0.68
20787	Upland-CECER	0.00	182.32	-0.68
20788	Upland-CECER	0.00	182.32	-0.68
20789	Upland-CECER	0.00	182.32	-0.68
20790	Upland-CECER	0.00	182.32	-0.68
20791	Upland-CECER	0.00	182.32	-0.68
20792	Upland-CECER	0.00	182.32	-0.68
20793	Upland-CECER	0.00	182.32	-0.68
20794	Upland-CECER	0.00	182.32	-0.68
20795	Upland-CECER	0.00	182.32	-0.68
20796	Upland-CECER	0.00	182.32	-0.68
20797	Upland-CECER	0.00	182.32	-0.68
20798	Upland-CECER	0.00	182.32	-0.68
20799	Upland-CECER	0.00	182.32	-0.68
20800	Upland-CECER	0.00	182.32	-0.68
20801	Upland-CECER	0.00	182.32	-0.68
20802	Upland-CECER	0.00	182.32	-0.68
20803	Upland-CECER	0.00	182.32	-0.68
20804	Upland-CECER	0.00	182.32	-0.68
20805	Upland-CECER	0.00	182.32	-0.68
20806	Upland-CECER	0.00	182.32	-0.68
20807	Upland-CECER	0.00	182.32	-0.68
20808	Upland-CECER	0.00	182.32	-0.68
20809	Upland-CECER	0.00	182.32	-0.68
20810	Upland-CECER	0.00	182.32	-0.68
20811	Upland-CECER	0.00	182.32	-0.68
20812	Upland-CECER	0.00	182.32	-0.68
20813	Upland-CECER	0.58	182.32	-0.68
20814	Upland-CECER	2.23	182.32	-0.68
20815	Upland-CECER	4.86	182.32	-0.68
20816	Upland-CECER	7.36	182.32	-0.68
20817	Upland-CECER	10.42	182.32	-0.68
20818	Upland-CECER	9.36	182.33	-0.68
20819	Upland-CECER	7.48	182.33	-0.68
20820	Upland-CECER	5.52	182.33	-0.68
20821	Upland-CECER	3.72	182.33	-0.68
20822	Upland-CECER	0.57	182.33	-0.68
20823	Upland-CECER	2.87	182.33	-0.68
20824	Upland-CECER	6.78	182.33	-0.68
20825	Upland-CECER	8.49	182.34	-0.68
20826	Upland-CECER	8.99	182.34	-0.68

time (s)	route	speed (mph)	distance (mi)	grade (%)
20671	Upland-CECER	12.25	181.92	-1.12
20672	Upland-CECER	15.49	181.92	-1.12
20673	Upland-CECER	18.88	181.93	-1.12
20674	Upland-CECER	21.70	181.93	-1.12
20675	Upland-CECER	24.39	181.94	-1.12
20676	Upland-CECER	25.73	181.95	-1.12
20677	Upland-CECER	26.50	181.95	-1.96
20678	Upland-CECER	27.82	181.96	-1.96
20679	Upland-CECER	29.84	181.97	-1.96
20680	Upland-CECER	31.87	181.98	-1.96
20681	Upland-CECER	32.90	181.99	-1.96
20682	Upland-CECER	32.95	182.00	-1.96
20683	Upland-CECER	34.05	182.01	-1.96
20684	Upland-CECER	35.40	182.01	-1.96
20685	Upland-CECER	35.38	182.02	-1.96
20686	Upland-CECER	35.47	182.03	-1.96
20687	Upland-CECER	35.88	182.04	-1.96
20688	Upland-CECER	35.91	182.05	-4.88
20689	Upland-CECER	35.61	182.06	-4.88
20690	Upland-CECER	35.39	182.07	-4.88
20691	Upland-CECER	35.25	182.08	-4.88
20692	Upland-CECER	34.95	182.09	-4.88
20693	Upland-CECER	34.52	182.10	-4.88
20694	Upland-CECER	34.02	182.11	-4.88
20695	Upland-CECER	33.55	182.12	-4.88
20696	Upland-CECER	33.03	182.13	-4.88
20697	Upland-CECER	32.44	182.14	-4.88
20698	Upland-CECER	31.88	182.15	-4.88
20699	Upland-CECER	31.25	182.16	-4.41
20700	Upland-CECER	30.15	182.16	-4.41
20701	Upland-CECER	28.17	182.17	-4.41
20702	Upland-CECER	26.48	182.18	-4.41
20703	Upland-CECER	24.10	182.19	-4.41
20704	Upland-CECER	19.87	182.19	-4.41
20705	Upland-CECER	15.05	182.20	-4.41
20706	Upland-CECER	9.86	182.20	-4.41
20707	Upland-CECER	5.00	182.20	-4.41
20708	Upland-CECER	1.56	182.20	-4.41
20709	Upland-CECER	0.00	182.20	-4.41
20710	Upland-CECER	0.00	182.20	-4.41
20711	Upland-CECER	0.00	182.20	-4.41
20712	Upland-CECER	0.00	182.20	-4.41
20713	Upland-CECER	0.00	182.20	-4.41
20714	Upland-CECER	0.00	182.20	-4.41
20715	Upland-CECER	0.00	182.20	-4.41
20716	Upland-CECER	0.00	182.20	-4.41
20717	Upland-CECER	0.00	182.20	-4.41
20718	Upland-CECER	1.83	182.20	-4.41
20719	Upland-CECER	3.63	182.20	-4.41
20720	Upland-CECER	3.69	182.20	-4.41
20721	Upland-CECER	2.97	182.20	-4.41
20722	Upland-CECER	2.19	182.20	-4.41
20723	Upland-CECER	1.37	182.20	-4.41
20724	Upland-CECER	0.33	182.20	-4.41
20725	Upland-CECER			

time (s)	route	speed (mph)	distance (mi)	grade (%)
20905	Upland-CECERT	0.00	182.38	-1.11
20906	Upland-CECERT	0.00	182.38	-1.11
20907	Upland-CECERT	0.00	182.38	-1.11
20908	Upland-CECERT	0.00	182.38	-1.11
20909	Upland-CECERT	0.00	182.38	-1.11
20910	Upland-CECERT	0.00	182.38	-1.11
20911	Upland-CECERT	0.00	182.38	-1.11
20912	Upland-CECERT	0.00	182.38	-1.11
20913	Upland-CECERT	0.00	182.38	-1.11
20914	Upland-CECERT	0.00	182.38	-1.11
20915	Upland-CECERT	0.00	182.38	-1.11
20916	Upland-CECERT	0.00	182.38	-1.11
20917	Upland-CECERT	0.00	182.38	-1.11
20918	Upland-CECERT	0.00	182.38	-1.11
20919	Upland-CECERT	0.00	182.38	-1.11
20920	Upland-CECERT	0.00	182.38	-1.11
20921	Upland-CECERT	0.00	182.38	-1.11
20922	Upland-CECERT	0.00	182.38	-1.11
20923	Upland-CECERT	0.00	182.38	-1.11
20924	Upland-CECERT	0.00	182.38	-1.11
20925	Upland-CECERT	0.00	182.38	-1.11
20926	Upland-CECERT	0.00	182.38	-1.11
20927	Upland-CECERT	0.00	182.38	-1.11
20928	Upland-CECERT	0.00	182.38	-1.11
20929	Upland-CECERT	0.00	182.38	-1.11
20930	Upland-CECERT	0.00	182.38	-1.11
20931	Upland-CECERT	0.00	182.38	-1.11
20932	Upland-CECERT	0.00	182.38	-1.11
20933	Upland-CECERT	0.00	182.38	-1.11
20934	Upland-CECERT	0.00	182.38	-1.11
20935	Upland-CECERT	0.00	182.38	-1.11
20936	Upland-CECERT	0.00	182.38	-1.11
20937	Upland-CECERT	0.00	182.38	-1.11
20938	Upland-CECERT	0.00	182.38	-1.11
20939	Upland-CECERT	0.00	182.38	-1.11
20940	Upland-CECERT	0.00	182.38	-1.11
20941	Upland-CECERT	0.00	182.38	-1.11
20942	Upland-CECERT	0.00	182.38	-1.11
20943	Upland-CECERT	0.00	182.38	-1.11
20944	Upland-CECERT	0.00	182.38	-1.11
20945	Upland-CECERT	0.00	182.38	-1.11
20946	Upland-CECERT	0.00	182.38	-1.11
20947	Upland-CECERT	0.00	182.38	-1.11
20948	Upland-CECERT	0.00	182.38	-1.11
20949	Upland-CECERT	0.00	182.38	-1.11
20950	Upland-CECERT	0.14	182.38	-1.11
20951	Upland-CECERT	1.57	182.38	-1.11
20952	Upland-CECERT	4.10	182.38	-1.11
20953	Upland-CECERT	6.37	182.38	-1.11
20954	Upland-CECERT	8.17	182.39	-1.11
20955	Upland-CECERT	9.80	182.39	-1.11
20956	Upland-CECERT	10.61	182.39	-1.11
20957	Upland-CECERT	10.89	182.40	-1.11
20958	Upland-CECERT	10.36	182.40	-1.11
20959	Upland-CECERT	9.63	182.40	-1.11
20960	Upland-CECERT	11.45	182.40	-1.11
20961	Upland-CECERT	14.28	182.41	-1.11
20962	Upland-CECERT	15.55	182.41	-1.11
20963	Upland-CECERT	15.80	182.42	-1.11
20964	Upland-CECERT	15.13	182.42	-1.11
20965	Upland-CECERT	12.95	182.42	-1.11
20966	Upland-CECERT	9.61	182.43	-1.11
20967	Upland-CECERT	5.16	182.43	-1.11
20968	Upland-CECERT	4.65	182.43	-1.11
20969	Upland-CECERT	7.39	182.43	-1.11
20970	Upland-CECERT	10.72	182.43	-1.11
20971	Upland-CECERT	15.58	182.44	-1.11
20972	Upland-CECERT	20.74	182.44	-1.11
20973	Upland-CECERT	26.42	182.45	-1.11
20974	Upland-CECERT	31.44	182.46	-1.81
20975	Upland-CECERT	35.32	182.47	-1.81
20976	Upland-CECERT	39.36	182.48	-1.81
20977	Upland-CECERT	42.84	182.49	-1.81
20978	Upland-CECERT	45.08	182.51	-1.81
20979	Upland-CECERT	45.88	182.52	-1.81
20980	Upland-CECERT	48.65	182.53	-1.81
20981	Upland-CECERT	51.50	182.55	-1.81
20982	Upland-CECERT	51.85	182.56	-2.81

time (s)	route	speed (mph)	distance (mi)	grade (%)
21061	Upland-CECERT	61.49	183.76	-0.50
21062	Upland-CECERT	60.77	183.77	-0.50
21063	Upland-CECERT	60.57	183.79	-0.50
21064	Upland-CECERT	60.51	183.81	-0.50
21065	Upland-CECERT	60.49	183.82	-0.50
21066	Upland-CECERT	59.84	183.84	-0.50
21067	Upland-CECERT	59.20	183.86	-0.40
21068	Upland-CECERT	58.95	183.87	-0.40
21069	Upland-CECERT	58.13	183.89	-0.40
21070	Upland-CECERT	57.36	183.90	-0.40
21071	Upland-CECERT	56.68	183.92	-0.40
21072	Upland-CECERT	56.24	183.94	-0.40
21073	Upland-CECERT	56.59	183.95	-0.65
21074	Upland-CECERT	56.53	183.97	-0.65
21075	Upland-CECERT	55.68	183.98	-0.65
21076	Upland-CECERT	55.02	184.00	-0.65
21077	Upland-CECERT	54.67	184.01	-0.65
21078	Upland-CECERT	54.73	184.03	-0.65
21079	Upland-CECERT	54.30	184.04	-0.65
21080	Upland-CECERT	54.09	184.06	-0.55
21081	Upland-CECERT	54.45	184.07	-0.55
21082	Upland-CECERT	54.79	184.09	-0.55
21083	Upland-CECERT	55.17	184.10	-0.55
21084	Upland-CECERT	55.53	184.12	-0.55
21085	Upland-CECERT	55.88	184.13	-0.55
21086	Upland-CECERT	56.16	184.15	-0.55
21087	Upland-CECERT	56.45	184.16	-0.35
21088	Upland-CECERT	56.86	184.18	-0.35
21089	Upland-CECERT	57.32	184.20	-0.35
21090	Upland-CECERT	56.93	184.21	-0.35
21091	Upland-CECERT	56.86	184.23	-0.35
21092	Upland-CECERT	57.20	184.24	-0.35
21093	Upland-CECERT	56.62	184.26	-0.47
21094	Upland-CECERT	55.60	184.27	-0.47
21095	Upland-CECERT	52.84	184.29	-0.47
21096	Upland-CECERT	49.09	184.30	-0.47
21097	Upland-CECERT	44.94	184.31	-0.47
21098	Upland-CECERT	41.46	184.33	-0.47
21099	Upland-CECERT	38.20	184.34	-0.47
21100	Upland-CECERT	35.44	184.35	-0.47
21101	Upland-CECERT	32.99	184.35	-0.53
21102	Upland-CECERT	31.12	184.36	-0.53
21103	Upland-CECERT	29.11	184.37	-0.53
21104	Upland-CECERT	27.26	184.38	-0.53
21105	Upland-CECERT	25.81	184.39	-0.53
21106	Upland-CECERT	24.66	184.39	-0.53
21107	Upland-CECERT	24.26	184.40	-0.53
21108	Upland-CECERT	24.16	184.41	-0.53
21109	Upland-CECERT	23.35	184.41	-0.53
21110	Upland-CECERT	22.10	184.42	-0.53
21111	Upland-CECERT	20.13	184.42	-0.53
21112	Upland-CECERT	18.05	184.43	-0.53
21113	Upland-CECERT	15.75	184.43	-0.53
21114	Upland-CECERT	12.99	184.44	-0.53
21115	Upland-CECERT	10.32	184.44	-0.53
21116	Upland-CECERT	7.54	184.44	-0.53
21117	Upland-CECERT	5.32	184.44	-0.53
21118	Upland-CECERT	4.51	184.44	-0.53
21119	Upland-CECERT	5.90	184.45	-0.53
21120	Upland-CECERT	8.44	184.45	-0.53
21121	Upland-CECERT	9.36	184.45	-0.27
21122	Upland-CECERT	9.61	184.45	-0.27
21123	Upland-CECERT	9.64	184.46	-0.27
21124	Upland-CECERT	10.78	184.46	-0.27
21125	Upland-CECERT	10.74	184.46	-0.27
21126	Upland-CECERT	11.39	184.47	-0.27
21127	Upland-CECERT	12.44	184.47	-0.27
21128	Upland-CECERT	13.46	184.47	-0.27
21129	Upland-CECERT	13.58	184.48	-0.27
21130	Upland-CECERT	13.44	184.48	-0.27
21131	Upland-CECERT	14.45	184.48	-0.27
21132	Upland-CECERT	14.58	184.49	-0.27
21133	Upland-CECERT	14.58	184.49	-0.27
21134	Upland-CECERT	15.20	184.50	-0.27
21135	Upland-CECERT	15.32	184.50	-0.27
21136	Upland-CECERT	14.84	184.50	-0.27
21137	Upland-CECERT	13.44	184.51	-0.27
21138	Upland-CECERT	11.27	184.51	-0.27

time (s)	route	speed (mph)	distance (mi)	grade (%)
20983	Upland-CECERT	51.51	182.57	-2.81
20984	Upland-CECERT	52.29	182.59	-2.81
20985	Upland-CECERT	53.37	182.60	-2.81
20986	Upland-CECERT	52.36	182.62	-2.81
20987	Upland-CECERT	53.11	182.63	-2.81
20988	Upland-CECERT	53.16	182.65	-2.81
20989	Upland-CECERT	52.59	182.66	-1.89
20990	Upland-CECERT	51.97	182.68	-1.89
20991	Upland-CECERT	51.44	182.69	-1.89
20992	Upland-CECERT	50.86	182.70	-1.89
20993	Upland-CECERT	50.06	182.72	-1.89
20994	Upland-CECERT	48.46	182.73	-1.89
20995	Upland-CECERT	45.90	182.74	-1.89
20996	Upland-CECERT	42.94	182.76	-0.36
20997	Upland-CECERT	39.91	182.77	-0.36
20998	Upland-CECERT	36.81	182.78	-0.36
20999	Upland-CECERT	33.74	182.79	-0.36
21000	Upland-CECERT	30.59	182.79	-0.36
21001	Upland-CECERT	28.02	182.80	-0.36
21002	Upland-CECERT	26.55	182.81	-0.36
21003	Upland-CECERT	25.27	182.82	-0.36
21004	Upland-CECERT	24.66	182.82	-0.36
21005	Upland-CECERT	25.30	182.83	-0.36
21006	Upland-CECERT	27.33	182.84	-0.36
21007	Upland-CECERT	31.45	182.85	-0.36
21008	Upland-CECERT	36.70	182.86	-0.47
21009	Upland-CECERT	41.52	182.87	-0.47
21010	Upland-CECERT	45.68	182.88	-0.47
21011	Upland-CECERT	48.74	182.89	-0.47
21012	Upland-CECERT	51.56	182.91	-0.47
21013	Upland-CECERT	54.18	182.93	-0.47
21014	Upland-CECERT	56.63	182.94	-0.47
21015	Upland-CECERT	58.54	182.95	0.05
21016	Upland-CECERT	59.75	182.97	0.05
21017	Upland-CECERT	60.67	182.99	0.05
21018	Upland-CECERT	61.45	183.00	0.05
21019	Upland-CECERT	62.25	183.02	0.05
21020	Upland-CECERT	62.97	183.04	0.05
21021	Upland-CECERT	63.97	183.06	2.47
21022	Upland-CECERT	64.60	183.07	2.47
21023	Upland-CECERT	63.84	183.09	2.47
21024	Upland-CECERT	63.59	183.11	2.47
21025	Upland-CECERT	63.65	183.13	2.47
21026	Upland-CECERT	63.29	183.14	2.47
21027	Upland-CECERT	63.65	183.16	0.00
21028	Upland-CECERT	63.98	183.18	0.00
21029	Upland-CECERT	64.22	183.20	0.00
21030	Upland-CECERT	64.51	183.21	0.00
21031	Upland-CECERT	64.79	183.23	0.00
21032	Upland-CECERT	64.20	183.25	0.00
21033	Upland-CECERT	63.58	183.27	-0.36
21034	Upland-CECERT	63.38	183.28	-0.36
21035	Upland-CECERT	63.17	183.30	-0.36
21036	Upland-CECERT	62.55	183.32	-0.36
21037	Upland-CECERT	62.00	183.34	-0.36
21038	Upland-CECERT	61.81	183.35	-0.35
21039	Upland-CECERT	61.23	183.37	-0.35

time (s)	route	speed (mph)	distance (mi)	grade (%)
21217	Upland-CECERT	48.89	184.67	-0.13
21218	Upland-CECERT	50.63	184.68	-0.13
21219	Upland-CECERT	52.13	184.69	-0.13
21220	Upland-CECERT	52.28	184.71	-0.13
21221	Upland-CECERT	54.44	184.72	-0.13
21222	Upland-CECERT	55.73	184.74	-0.13
21223	Upland-CECERT	56.72	184.75	-0.07
21224	Upland-CECERT	57.27	184.77	-0.07
21225	Upland-CECERT	55.42	184.79	-0.07
21226	Upland-CECERT	51.86	184.80	-0.07
21227	Upland-CECERT	48.13	184.81	-0.07
21228	Upland-CECERT	44.18	184.82	-0.07
21229	Upland-CECERT	40.62	184.84	-0.07
21230	Upland-CECERT	37.35	184.85	-0.07
21231	Upland-CECERT	34.15	184.86	0.54
21232	Upland-CECERT	30.70	184.86	0.54
21233	Upland-CECERT	27.45	184.87	0.54
21234	Upland-CECERT	24.53	184.88	0.54
21235	Upland-CECERT	21.21	184.88	0.54
21236	Upland-CECERT	18.25	184.89	0.54
21237	Upland-CECERT	15.02	184.89	0.54
21238	Upland-CECERT	12.00	184.90	0.54
21239	Upland-CECERT	9.13	184.90	0.54
21240	Upland-CECERT	6.18	184.90	0.54
21241	Upland-CECERT	4.17	184.90	0.54
21242	Upland-CECERT	2.72	184.90	0.54
21243	Upland-CECERT	1.32	184.90	0.54
21244	Upland-CECERT	0.94	184.90	0.54
21245	Upland-CECERT	1.32	184.90	0.54
21246	Upland-CECERT	1.24	184.90	0.54
21247	Upland-CECERT	0.68	184.90	0.54
21248	Upland-CECERT	0.00	184.90	0.54
21249	Upland-CECERT	0.00	184.90	0.54
21250	Upland-CECERT	0.00	184.90	0.54
21251	Upland-CECERT	0.00	184.90	0.54
21252	Upland-CECERT	0.00	184.90	0.54
21253	Upland-CECERT	0.00	184.90	0.54
21254	Upland-CECERT	0.00	184.90	0.54
21255	Upland-CECERT	0.00	184.90	0.54
21256	Upland-CECERT	0.00	184.90	0.54
21257	Upland-CECERT	2.52	184.90	0.54
21258	Upland-CECERT	7.46	184.91	0.54
21259	Upland-CECERT	13.02	184.91	0.54
21260	Upland-CECERT	17.36	184.92	0.54
21261	Upland-CECERT	21.13	184.92	0.54
21262	Upland-CECERT	25.52	184.93	0.54
21263	Upland-CECERT	29.58	184.94	0.54
21264	Upland-CECERT	33.85	184.95	0.54
21265	Upland-CECERT	36.54	184.96	1.89
21266	Upland-CECERT	39.42	184.97	1.89
21267	Upland-CECERT	41.17	184.98	1.89
21268	Upland-CECERT	42.50	184.99	1.89
21269	Upland-CECERT	44.89	185.00	1.89
21270	Upland-CECERT	46.25	185.01	1.89
21271	Upland-CECERT	47.46	185.02	1.89
21272	Upland-CECERT	48.33	185.04	1.89
21273	Upland-CECERT	49.09	185.05	1.34
21274	Upland-CECERT	49.83	185.07	1.34
21275	Upland-CECERT	48.38	185.08	1.34
21276	Upland-CECERT	46.47	185.09	1.34
21277	Upland-CECERT	42.26	185.11	1.34
21278	Upland-CECERT	36.69	185.12	1.34
21279	Upland-CECERT	30.72	185.12	1.34
21280	Upland-CECERT	25.99	185.13	1.34
21281	Upland-CECERT	21.45	185.14	1.34
21282	Upland-CECERT	20.09	185.14	1.34
21283	Upland-CECERT	16.66	185.15	1.34
21284	Upland-CECERT	14.74	185.15	3.67
21285	Upland-CECERT	15.02	185.16	3.67
21286	Upland-CECERT	17.51	185.16	3.67
21287	Upland-CECERT	22.33	185.17	3.67
21288	Upland-CECERT	27.65	185.17	3.67
21289	Upland-CECERT	31.87	185.18	3.67
21290	Upland-CECERT	35.30	185.19	3.67
21291	Upland-CECERT	38.41	185.20	3.67
21292	Upland-CECERT	41.18	185.21	3.67
21293	Upland-CECERT	43.15	185.23	3.67
21294	Upland-CECERT	45.07	185.24	3.67

time (s)	route	speed (mph)	distance (mi)	grade (%)
21373	Upland-CECERT	49.28	185.73	6.11
21374	Upland-CECERT	49.59	185.74	6.11
21375	Upland-CECERT	50.12	185.76	-2.40
21376	Upland-CECERT	51.42	185.77	-2.40
21377	Upland-CECERT	52.92	185.79	-2.40
21378	Upland-CECERT	54.17	185.80	-2.40
21379	Upland-CECERT	54.83	185.82	-2.40
21380	Upland-CECERT	54.55	185.83	-2.40
21381	Upland-CECERT	54.50	185.85	-2.40
21382	Upland-CECERT	54.50	185.86	-1.24
21383	Upland-CECERT	53.39	185.88	-2.40
21384	Upland-CECERT	52.19	185.89	-1.24
21385	Upland-CECERT	49.97	185.90	-1.24
21386	Upland-CECERT	47.13	185.92	-1.24
21387	Upland-CECERT	44.09	185.93	-1.24
21388	Upland-CECERT	40.83	185.94	-1.24
21389	Upland-CECERT	37.45	185.95	0.95
21390	Upland-CECERT	33.48	185.96	0.95
21391	Upland-CECERT	29.34	185.97	0.95
21392	Upland-CECERT	25.06	185.98	0.95
21393	Upland-CECERT	20.85	185.98	0.95
21394	Upland-CECERT	16.69	185.99	0.95
21395	Upland-CECERT	12.97	185.99	0.95
21396	Upland-CECERT	9.85	185.99	0.95
21397	Upland-CECERT	5.95	185.99	0.95
21398	Upland-CECERT	2.87	185.99	0.95
21399	Upland-CECERT	0.72	185.99	0.95
21400	Upland-CECERT	0.00	185.99	0.95
21401	Upland-CECERT	0.00	185.99	0.95
21402	Upland-CECERT	0.00	185.99	0.95
21403	Upland-CECERT	0.00	185.99	0.95
21404	Upland-CECERT	0.00	185.99	0.95
21405	Upland-CECERT	0.00	185.99	0.95
21406	Upland-CECERT	0.00	185.99	0.95
21407	Upland-CECERT	0.00	185.99	0.95
21408	Upland-CECERT	0.00	185.99	0.95
21409	Upland-CECERT	0.00	185.99	0.95
21410	Upland-CECERT	0.00	185.99	0.95
21411	Upland-CECERT	0.00	185.99	0.95
21412	Upland-CECERT	0.00	185.99	0.95
21413	Upland-CECERT	0.00	185.99	0.95
21414	Upland-CECERT	0.00	185.99	0.95
21415	Upland-CECERT	0.00	185.99	0.95
21416	Upland-CECERT	0.00	185.99	0.95
21417	Upland-CECERT	0.00	185.99	0.95
21418	Upland-CECERT	0.00	185.99	0.95
21419	Upland-CECERT	0.00	185.99	0.95
21420	Upland-CECERT	0.00	185.99	0.95
21421	Upland-CECERT	0.00	185.99	0.95
21422	Upland-CECERT	0.00	185.99	0.95
21423	Upland-CECERT	0.00	185.99	0.95
21424	Upland-CECERT	0.00	185.99	0.95
21425	Upland-CECERT	0.00	185.99	0.95
21426	Upland-CECERT	0.00	185.99	0.95
21427	Upland-CECERT	0.00	185.99	0.95
21428	Upland-CECERT	0.00	185.99	0.95
21429	Upland-CECERT	0.00	185.99	0.95
21430	Upland-CECERT	0.00	185.99	0.95
21431	Upland-CECERT	0.00	185.99	0.95
21432	Upland-CECERT	0.00	185.99	0.95
21433	Upland-CECERT	0.00	185.99	0.95
21434	Upland-CECERT	0.00	185.99	0.95
21435	Upland-CECERT	0.00	185.99	0.95
21436	Upland-CECERT	0.00	185.99	0.95
21437	Upland-CECERT	0.00	185.99	0.95
21438	Upland-CECERT	0.00	185.99	0.95
21439	Upland-CECERT	0.00	185.99	0.95
21440	Upland-CECERT	0.00	185.99	0.95
21441	Upland-CECERT	0.00	185.99	0.95
21442	Upland-CECERT	0.00	185.99	0.95
21443	Upland-CECERT	0.00	185.99	0.95
21444	Upland-CECERT	0.00	185.99	0.95
21445	Upland-CECERT	0.00	185.99	0.95
21446	Upland-CECERT	0.00	185.99	0.95
21447	Upland-CECERT	0.00	185.99	0.95
21448	Upland-CECERT	0.00	185.99	0.95
21449	Upland-CECERT	0.00	185.99	0.95
21450	Upland-CECERT	0.00	185.99	0.95

time (s)	route	speed (mph)	distance (mi)	grade (%)
21295	Upland-CECERT	46.38	185.25	1.84
21296	Upland-CECERT	46.75	185.26	1.84
21297	Upland-CECERT	46.21	185.28	1.84
21298	Upland-CECERT	45.09	185.29	1.84
21299	Upland-CECERT	43.51	185.30	1.84
21300	Upland-CECERT	41.47	185.31	1.84
21301	Upland-CECERT	38.12	185.32	1.84
21302	Upland-CECERT	33.98	185.33	1.84
21303	Upland-CECERT	29.80	185.34	1.84
21304	Upland-CECERT	26.38	185.35	1.84
21305	Upland-CECERT	23.06	185.35	-0.58
21306	Upland-CECERT	19.76	185.36	-0.58
21307	Upland-CECERT	16.01	185.36	-0.58
21308	Upland-CECERT	12.79	185.37	-0.58
21309	Upland-CECERT	9.76	185.37	-0.58
21310	Upland-CECERT	7.03	185.37	-0.58
21311	Upland-CECERT	5.18	185.37	-0.58
21312	Upland-CECERT	3.36	185.37	-0.58
21313	Upland-CECERT	1.13	185.38	-0.58
21314	Upland-CECERT	0.00	185.38	-0.58
21315	Upland-CECERT	0.00	185.38	-0.58
21316	Upland-CECERT	0.00	185.38	-0.58
21317	Upland-CECERT	0.00	185.38	-0.58
21318	Upland-CECERT	0.00	185.38	-0.58
21319	Upland-CECERT	0.00	185.38	-0.58
21320	Upland-CECERT	0.00	185.38	-0.58
21321	Upland-CECERT	0.00	185.38	-0.58
21322	Upland-CECERT	0.00	185.38	-0.58
21323	Upland-CECERT	0.00	185.38	-0.58
21324	Upland-CECERT	0.00	185.38	-0.58
21325	Upland-CECERT	0.00	185.38	-0.58
21326	Upland-CECERT	0.00	185.38	-0.58
21327	Upland-CECERT	0.00	185.38	-0.58
21328	Upland-CECERT	0.00	185.38	-0.58
21329	Upland-CECERT	0.00	185.38	-0.58
21330	Upland-CECERT	0.00	185.38	-0.58
21331	Upland-CECERT	0.00	185.38	-0.58
21332	Upland-CECERT	0.00	185.38	-0.58
21333	Upland-CECERT	0.00	185.38	-0.58
21334	Upland-CECERT	0.00	185.38	-0.58
21335	Upland-CECERT	0.00	185.38	-0.58
21336	Upland-CECERT	0.00	185.38	-0.58
21337	Upland-CECERT	0.00	185.38	-0.58
21338	Upland-CECERT	0.00	185.38	-0.58
21339	Upland-CECERT	0.00	185.38	-0.58
21340	Upland-CECERT	0.27	185.38	-0.58
21341	Upland-CECERT	5.10	185.38	-0.58
21342	Upland-CECERT	11.73	185.38	-0.58
21343	Upland-CECERT	16.65	185.38	-0.58
21344	Upland-CECERT	21.28	185.39	-0.58
21345	Upland-CECERT	25.16	185.40	-0.58
21346	Upland-CECERT	28.13	185.40	-0.58
21347	Upland-CECERT	30.92	185.41	-0.58
21348	Upland-CECERT	33.74	185.42	-0.58
21349				

APPENDIX D**Adjustment Factors**

The table below contains the upward adjustment factors to be added to the testing results for the Emission Modification Enhanced In-Use Testing performed pursuant to this Consent Decree. These adjustment factors, submitted by Cummins as part of the application for the MY 2018 RAMS, account for the emissions associated with regeneration of the Diesel Particulate Filter (DPF).

Adjustment Factors as Submitted for 2018 MY Certification Application						
Infrequent Regeneration Adjustment Factor (IRAF)	NMOG/NMHC (Non-methane Hydrocarbons) g/mi	CO (Carbon Monoxide) g/mi	NOx (Oxides of Nitrogen) g/mi	CH4 (Methane) g/mi	THC (Total Hydrocarbons)	N2O (Nitrous Oxide) g/mi
Class 2b/3 - Upward Diesel Adjustment Factor (FTP75)	0.0005	0.0013	0.0118	0.0		0.0
Class 2b/3 - Upward Diesel Adjustment Factor (HWFET)	0.0002	N/a	0.0036	0.0		0.0