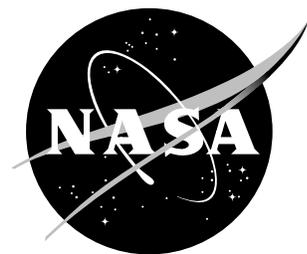


NASA/TM-2012-217598



Experimental Sonic Boom Measurements on a Mach 1.6 Cruise Low-Boom Configuration

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August 2012

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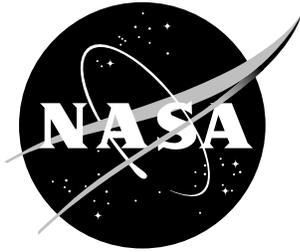
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August 2012

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Summary

A wind tunnel test has been conducted by Gulfstream Aerospace Corporation (GAC) to measure the sonic boom pressure signature of a low boom Mach 1.6 cruise business jet in the Langley Unitary Plan Wind Tunnel at Mach numbers 1.60 and 1.80. Through a cooperative agreement between GAC and the National Aeronautics and Space Administration (NASA), GAC provided NASA access to some of the experimental data. NASA is publishing these data in an effort to supply experimental data for a low sonic boom configuration to the sonic boom research community. Sonic boom pressure signatures were acquired at three separation distances (0.5, 1.2, and 1.7 reference body lengths) and three angles of attack (-0.26° , 0.26° , and 0.68°). Both on-track and off-track pressure signatures were acquired, however, only selected on-track data are plotted to illustrate salient features of the data. Tabulated sonic boom pressure data and schlieren images are provided.

Introduction

One of the factors that prevents supersonic flight over land is the sonic boom generated from aircraft. Although sonic boom research has been conducted for many decades, it is still extremely difficult to design aircraft with low sonic boom signatures that would be acceptable for over land flight. The Gulfstream Aerospace Corporation (GAC) designed, built, and wind tunnel tested a low sonic boom Mach 1.6 cruise business jet aircraft (see references 1 and 2). Through a cooperative agreement between GAC and the National Aeronautics and Space Administration (NASA), GAC provided access to some of the experimental data. NASA is publishing these data in an effort to supply experimental data for a low sonic boom configuration to the sonic boom research community.

The purpose of this report is to document the results of the wind tunnel test conducted by GAC to measure the sonic boom characteristics of a low boom business jet configuration at Mach numbers of 1.60 and 1.80. The model was supported by a blade sting instead of a traditional sting to minimize the effect of the sting on the sonic boom measurements of the aftbody. The wind tunnel test was conducted in the Langley Unitary Plan Wind Tunnel (UPWT) at a free-stream unit Reynolds number of 3.5 million per foot. On-track and off-track sonic boom pressure signatures were acquired at three separation distances (0.5, 1.2, and 1.7 reference body lengths) and three angles of attack (-0.26° , 0.26° , and 0.68°). Only selected data are plotted to illustrate salient features of the data, however, all the data are tabulated.

Additional testing of the GAC sonic boom model was conducted at the Ames Research Center and is described in reference 3. Results of computational fluid dynamics (CFD) studies on the sonic boom model are presented in reference 4. In addition, GAC conducted a performance test on a larger scale model of this same configuration from subsonic through supersonic conditions as described in reference 5.

Nomenclature

c	reference chord, 2.1029 in.
C_m	pitching moment coefficient, $PM/(qSc)$
C_N	normal force coefficient, $NF/(qS)$
GAC	Gulfstream Aerospace Corporation
h	distance from model nose to on-track (centerline) survey probe measured perpendicular to tunnel sidewall (see figure 4a), in.
L	reference model length (13.20 in.)
M	Mach number

NF	normal force, lbf
p	free-stream static pressure, psfa
PM	pitching moment (see figure 7 for moment reference center location), in·lbf
p_{ref}	measured reference probe pressure, psia
p_0	free-stream stagnation pressure, psfa
q	free-stream dynamic pressure, psfa
Re	free-stream unit Reynolds number, million per ft
S	reference area, 0.060 ft ²
t	time, min.
T_0	free-stream stagnation temperature, °F
x	longitudinal distance from center pair of four orifices in survey probe to model nose measured parallel to tunnel sidewall (see figure 4a), in.
x_{sppos}	longitudinal distance from sidewall door leading edge to survey probes (see figure 4b), in.
α	angle of attack, deg
β	$\sqrt{M^2 - 1}$
$(\Delta p/p_{ref})_{avg}$	average sonic boom pressure signature parameter for first five data points in a run
$(\Delta p/p_{ref})_{cor}$	corrected sonic boom pressure signature parameter
$(\Delta p/p_{ref})_{unc}$	uncorrected sonic boom pressure signature parameter
Δp	measured differential pressure between survey probe and reference probe, psia
ϕ	model roll angle, deg (0° = wings horizontal, positive right wing down)

Apparatus and Experimental Methods

Model Description

The model was a 1 percent scale business jet configuration that was designed to produce a low sonic boom at a cruise Mach number of 1.6. The model was designed by Gulfstream Aerospace Corporation. Figure 1 shows a photograph of the model, an isometric sketch, and a sketch with some basic overall model dimensions. The model had a highly swept wing with a curved leading edge and sharp wing tips. The vertical tail had a bullet shaped closure that extended downstream of the tail trailing edge at the tip of the tail. The model did not have a horizontal tail. A unique feature of the configuration was the four section segmented nose with each section having a slightly larger diameter than the previous segment. Details of the model nose are shown in figure 2. The configuration was mounted to a blade sting that was attached to the upper surface of the model near the model mid-length just forward of the vertical tail. The end of the blade sting was instrumented with strain gages to measure the normal force and pitching moment on the model. Further information about the model instrumentation is provided in the Instrumentation and Measurements section.

Boundary layer transition grit was not applied to the model for most of the sonic boom pressure signature runs. However, for the limited runs conducted using boundary layer transition grit, further information about the boundary layer transition grit is provided in the Discussion section.

Wind-Tunnel Description

The wind tunnel test was conducted in the Langley Unitary Plan Wind Tunnel (UPWT) which is a continuous flow, variable pressure supersonic wind tunnel. The tunnel contains two test sections which are approximately 4 ft square and 7 ft long. Each test section covers only part of the Mach number range of the tunnel. The nozzle ahead of each test section consists of an asymmetric sliding block which allows continuous Mach number variation during tunnel operations from 1.5 to 2.9 in the low Mach number test section (#1) and 2.3 to 4.6 in the high Mach number test section (#2). A complete description of the facility along with test section calibration information is contained in reference 6.

The nominal free-stream conditions used during this test in test section #1 are shown below.

M	$Re \times 10^{-6}$, per foot	p_0 , psfa	T_0 , degF	q , psfa	p , psfa
1.60	3.5	1888	125	795.9	444.1
1.80	3.5	2020	125	797.2	351.5

The tunnel air dew point was maintained below -20°F (at atmospheric pressure) to minimize water vapor condensation effects.

Model Installation

Shown in figures 3 and 4 are photographs and sketches of the model installation. The wind tunnel test section has two sidewall doors measuring approximately 69 in. long and 48 in. tall that normally contain schlieren windows. For sonic boom testing, one of the test section doors was removed and replaced with a solid steel door so that the reference and survey probes could be attached to the tunnel sidewall. The reference probe was mounted above and slightly forward of the survey probes so that it would remain in the free-stream flow at all times during the sonic boom pressure signature data acquisition.

Three survey probes were mounted in a probe holder so that one on-track (centerline) and two off-track pressure signatures were measured. The survey probes were attached to a mechanism that permitted the probes to be moved longitudinally in the test section while the tunnel was in operation. The purpose of the mechanism was to move the survey probes downstream when either the model h/L (model nose to survey probe separation distance parameter) or Mach number increased so that the survey probes would be able to measure the pressure signature as the model shocks moved further downstream. The mechanism prevented having to shut the tunnel down to physically move the probes or install a longer sting. The total axial movement of the survey probes was approximately 6 in. The position of the survey probes remained fixed during each sonic boom pressure signature run.

Shown in figure 5 are details of the reference and survey probes (all four probes were identical). The probes were 2° included angle cones with four pressure orifices located approximately 1.9 in. aft of the probe tip. All four orifices were 0.013 in. in diameter and were connected to a common chamber. Two of the orifices were located 180° apart at the same longitudinal station and the other two orifices were located forward and aft of these orifices.

The survey probes were mounted in a probe holder that held all three probes as shown previously in figures 3 and 4. Shown in figure 6 is the orientation of the four pressure orifices in each survey probe. Orifice 1 (farthest upstream) was always oriented toward the model for all three probes. The off-track survey probes 1 and 3 were rotated 15° and 30° , respectively, so that at a separation distance of 11 in., the orifices on survey probes 1 and 3 would be at the same orientation relative to the model as the orifices on the on-track (centerline) survey probe 2.

As mentioned previously, the model was mounted to a blade sting that attached to the top of the fuselage just forward of the vertical tail (see figure 4a). The end of the blade sting was cylindrical and fit into a cylindrical bore in an angle of attack mechanism that was specially built for sonic boom testing. The sonic boom angle of attack mechanism is completely independent of the tunnel angle of attack system. The sting was held by two set screws which pressed against two flats machined into the sting; these set screws were used to level the model wing tips relative to the sonic boom angle of attack mechanism. The sonic boom angle of attack mechanism was attached to a short sting which was in turn attached to a roll coupling, which was attached to the tunnel model support system. The model was tested with the wings vertical ($\phi = -90^\circ$) for all of the sonic boom pressure signature runs.

The tunnel model support system has the capability to move the model approximately 36 in. longitudinally and approximately 32 in. laterally in the test section. The tunnel model support system angle of attack mechanism was not used to set the model angle of attack and remained fixed at zero degrees during this test. The sonic boom angle of attack mechanism was used to vary model angle of attack.

A typical sonic boom pressure signature run consisted of first adjusting the sonic boom angle of attack mechanism so that a given normal force was obtained on the model. Using the tunnel model support system, the model nose was laterally positioned a specified distance, h (see figure 4a), from the on-track (centerline) survey probe. Initially, the model was located so that the nose shock was downstream of the survey probes. The model was then moved forward in 0.125 in. increments while the model pressure signature data were obtained from the reference and survey static pressure probes. As the model was moved forward during the run, the model normal force would vary because of flow gradients within the test section. During a run, the model angle of attack was not adjusted to account for the changing normal force on the model because it would have significantly increased the time required to complete a run. Typical run times were on the order of 55 minutes. Data were acquired in a move/pause mode of operation. For each pressure signature run, the model was moved approximately 24 in.

Instrumentation and Measurements

The model normal force and pitching moment were measured with a strain gage balance that was built into the end of the blade sting as shown in figure 7. The balance normal force and pitching moment measurement ranges are shown in table 1. Also shown in the table are the computed balance accuracies as a percent of the full scale balance ranges based on the data obtained during the balance calibration. To compute the balance accuracy, the data acquired during the balance calibration was run through the balance calibration equations. The standard deviation of the difference between the computed and applied loads was determined for all of the calibration loads. The balance accuracy reported in table 1 is twice the computed standard deviation.

Table 1. Range and accuracy of balance components.

Component	Range	Accuracy
Normal force	± 20 lbf	± 0.18 percent of full scale
Pitching moment	± 410.4 in·lbf	± 0.09 percent of full scale

Platinum resistance temperature detectors were attached to the balance near each bridge loca-

tion so that the balance temperature gradients could be monitored. The temperature measurements were not used to adjust the balance sensitivities.

Shown in figure 8 is a sketch showing the pressure transducer connections to the survey and reference probes. The survey probe pressures were measured with ± 0.09 psid (± 2.5 in. water column) differential pressure transducers. The reference probe pressure was used as the reference for all of the survey probes. Bypass valves were installed in the system to allow the pressure across the differential pressure transducers to be equalized during tunnel startup and shutdown so that the transducers would not be damaged as the tunnel normal shock passed through the test section. The quoted accuracy of the differential pressure transducers was ± 0.14 percent of full scale. The reference probe pressure was measured independently with a 5 psia pressure transducer that had a quoted accuracy of ± 0.1 percent of full scale. All of the pressure transducers were located outside of the tunnel as indicated by the dashed line in the figure.

As discussed in the Model Installation section, the model was mounted to the tunnel model support system, which has the capability to move the model both longitudinally and laterally in the test section and was used to position the model relative to the on-track (centerline) survey probe. The position of the model support system was measured with absolute encoders that were mounted on the model support system drive screws. The estimated accuracy of the model support system position based on calibration data is ± 0.005 in. and ± 0.003 in. for the longitudinal and lateral positions, respectively.

The sonic boom angle of attack mechanism was used to adjust the model angle of attack for each pressure signature run as described previously in the Model Installation section. The angle of attack reading was measured with a linear potentiometer inside the mechanism. The potentiometer was calibrated in situ using an accelerometer based angle measuring system. A linear least squares curve fit was computed from the calibration data. The standard deviation of the difference between the calibration angles and the potentiometer curve fit was 0.047° . The sonic boom angle of attack mechanism did have some noticeable play in the system such that a person could grab the sting and apply a moment that caused the sting to move but the potentiometer output would not change. It is the play in the system that is the most likely cause for the large standard deviation of the difference between the calibration angles and the potentiometer curve fit.

The tunnel free-stream stagnation pressure was measured with a 100 psia bourdon tube pressure transducer and the free-stream stagnation temperature was measured with a 4-wire platinum resistor-temperature detector.

Data were acquired at 30 frames/second over a 2 second period. All 60 frames of data were averaged to provide a single data point.

Corrections

The model angle of attack has been corrected for sting deflections caused by aerodynamic loads. In addition, the computed distance, h , between the on-track (centerline) survey probe and the model nose has been corrected for sting deflections caused by aerodynamic loads.

Because of static pressure variation within the tunnel test section, the sonic boom pressure data $(\Delta p/p_{ref})_{unc}$ were not equal to zero when the model nose shock was downstream of the survey probe, i.e., both the survey probes and reference probe were in the free-stream flow. Therefore, the sonic boom pressure signatures were adjusted by averaging the first five $(\Delta p/p_{ref})_{unc}$ values in a signature run (survey and reference probes in the free-stream flow) and subtracting the average

value from each $(\Delta p/p_{ref})_{unc}$ value, i.e.,

$$\left(\frac{\Delta p}{p}\right)_{cor} = \left(\frac{\Delta p}{p}\right)_{unc} - \left(\frac{\Delta p}{p}\right)_{avg} \quad (1)$$

Shown in figure 9 are the corrected and uncorrected sonic boom pressure signatures as a function of $x - \beta h$ for a sample run to illustrate the approximate magnitude of the correction. No additional corrections or adjustments were performed to the sonic boom pressure signature data.

Results

Tabulated Data

Sonic boom pressure signature data are presented in Appendix A in tabulated form. Data from all three survey probes is presented in corrected and uncorrected form as described in the Corrections section. The uncorrected data is included so that the reader can apply their own correction to the measured data if desired.

Schlieren Photographs

Because one of the tunnel doors that contains schlieren windows was removed during the test to allow the reference and survey probes to be attached to the tunnel sidewall, schlieren images were not obtained during the sonic boom measurement portion of the test. However, at the end of the test after all sonic boom measurements were completed, the solid test section door was removed and the test section door with schlieren windows was reinstalled so that schlieren images could be acquired.

Each test section is equipped with a single pass off-axis schlieren system. A schematic of the system is shown in figure 10. The complete schlieren system consists of a light source, two spherical mirrors, knife-edge, optical beam splitter, still camera, flat mirror, video camera, and image screen. The entire system is supported from a beam as a unit and can be positioned along the longitudinal axis of the test section to provide schlieren images of any part of the test section. The light source is provided by a xenon vapor arc lamp that is operated continuously. An optical beam splitter is located just behind the knife edge and is used to provide a schlieren image for both still and video cameras.

Schlieren photographs of the model were obtained at Mach numbers of 1.50, 1.60, and 1.80 over a range of angles of attack and are shown in figures 11, 12, and 13, respectively. Schlieren photographs were obtained at $M = 1.50$ even though no sonic boom pressure measurements were acquired at this Mach number. During this test, the schlieren system knife-edge was oriented approximately parallel to the free-stream flow to highlight density gradients in the test section vertical direction. For this knife-edge orientation, increasing density gradients in the upward direction appear as white areas in the photographs. The vertical black lines in the photographs are the test section window support bars.

Discussion

Sonic boom pressure signature plots are presented to illustrate salient features of the data, however, extensive data analysis was not conducted. All of the sonic boom pressure signature plots that are presented use the on-track (centerline) survey probe data, no off-track pressure signature data are

included. All of the pressure signature data are plotted as a function of $x - \beta h$. The model angle of attack was set to three nominal angles during the test, -0.26° , 0.26° , and 0.68° . Although the angle of attack values shown in the following figures will differ from these nominal values because of normal experimental variation, the angle of attack values referred to in the text and figure titles will be the nominal values.

Data Repeatability

Six repeat runs were conducted at $M = 1.60$ and $h/L = 1.7$ during the test including three back-to-back repeat runs obtained near the end of the test. Shown in figure 14a are the three back-to-back repeat sonic boom pressure signatures; these signatures should show the best possible repeatability for this particular test. The results show that there are no significant shifts in the pressure peaks or expansions along the length of the model. The pressure peaks from the nose tip and the four nose segments are clearly measurable. Shown in figure 14b are the same three back-to-back repeats with three additional repeat runs that were obtained at different times (run 137 on one day and runs 149 and 160 on another day 6 hours apart). The results show additional scatter in the data but the overall repeatability of $(\Delta p/p_{ref})_{cor}$ appears to be less than approximately ± 0.0015 .

As discussed previously, the first five data points in each pressure signature run was used to adjust the signatures to account for static pressure variation within the test section. Because the reference probe and the three survey probes were in the free-stream flow for these five data points, these data were used to examine the variation of $(\Delta p/p_{ref})_{cor}$ for each probe over the course of the entire test. Shown in figure 15 are the individual $(\Delta p/p_{ref})_{cor}$ values for the first five data points for all runs at $M = 1.60$ and the computed standard deviations. These data were acquired over a period of 8 days at various times during the day. The results show that the standard deviations remained relatively constant over the length of the test although survey probe 3 did generally show larger variation than survey probes 1 and 2 for runs 133, 140, 196, 197, 198, and 202. The reason for the larger variation in survey probe 3 data is unknown.

Variation of C_N

As discussed previously in the Model Installation section, the model C_N varied during the pressure signature runs because of flow gradients in the test section. Shown in figure 16 is C_N as a function of $x - \beta h$ for the three back-to-back repeat runs shown in figure 14a. The general trend of the data is the same for all three runs with C_N varying by approximately 0.01 over the entire run.

Shown in figure 17 is C_N as a function of $x - \beta h$ for three angles of attack at $h/L = 1.2$. The general trend of C_N for the three angles of attack are the same indicating that the flow field variation in the test section causing the C_N variation is independent of angle of attack. Figure 18 shows the same data as figure 17 with the addition of data for $h/L = 1.7$. The general trend of the C_N variation is different between the two values of h/L at each angle of attack, however, the general trend of C_N for each angle of attack at each h/L is the same. These data also indicate that the variation of C_N is caused by flow field gradients and is independent of angle of attack.

Variation of p_{ref}

Shown in figure 19 are examples of typical and larger than typical reference probe pressure variation measured during this test. Figure 19a shows that p_{ref} varied by approximately 1 psfa, which was typical for the entire test although there were a few runs which exhibited larger variation in p_{ref} . A typical example of the larger variation of p_{ref} is shown in figure 19b.

The primary cause of the p_{ref} variation is believed to be tunnel stagnation pressure variation. Shown in figure 20 is p_{ref} and tunnel stagnation pressure, p_0 , as a function of $x - \beta h$ for the data previously shown in figure 19. The reason for the increased p_0 variation in figure 20b compared to figure 20a is probably the result of the tunnel stagnation pressure control system settings being different between the runs. However, since the stagnation pressure control system settings were not recorded with the data, it is impossible to confirm this hypothesis.

Effect of h/L

The effect of h/L on the sonic boom pressure signatures for three angles of attack are shown in figure 21. Although three h/L values were tested, data from only two h/L values are plotted because at the smallest h/L value only about one half of the pressure signature was obtained because there was not enough longitudinal movement available in the model support system to acquire the complete aircraft signature. As expected, the data show that as h/L increases, the strength of the aircraft shocks decrease. At $\alpha = 0.68$ (figure 21c), the pressure signature just before the wing expansion for $h/L = 1.7$ remains essentially constant rather than rising to a peak for the $h/L = 1.2$ case.

Effect of Angle of Attack

The effect of angle of attack on the sonic boom pressure signatures for $h/L = 1.2$ and 1.7 are shown in figure 22 for the model without boundary layer transition grit. Angle of attack has little effect on the peak pressures from the nose tip and the four nose segments, however, as angle of attack and consequently normal force coefficient increases, the peak pressures due to the wing also increase. Shown in figure 23 are results showing the effect of angle of attack for the model at $h/L = 1.7$ and with boundary layer grit (a complete description of the grit applied to the model will be discussed in a later section). Comparing the results for the models without and with grit, figures 22b and 23, respectively, show that the expansion from the wing is slightly less for the wing without grit. A pressure peak caused by the boundary layer grit can be seen at $x - \beta h \approx 3.5$ in. (figure 23).

Effect of Survey Probe Position

The survey probes were mounted to a mechanism that allowed the longitudinal position of the probes to be varied remotely while the tunnel was in operation. Shown in figure 24 are three sonic boom pressure signatures that were acquired back-to-back while the position of the survey probes was varied by 2 in. between each run. Ideally, these runs should be as repeatable as the repeat runs shown in figure 14, however, the results indicate that there is additional scatter in the data and possibly a slight shift in $x - \beta h$. These data suggest that the variation in tunnel flow conditions as a function of location within the test section is a factor in the additional data scatter because both the model and survey probes were in different spatial locations within the test section for each run.

Effect of Mach Number

The effect of Mach number on the sonic boom pressure signatures at three angles of attack are shown in figure 25. The pressure peaks from the nose tip and the four nose segments are not significantly affected by the change in Mach number from 1.60 to 1.80. However, the pressure peak for the wing (near $x - \beta h \approx 7$ in.) and expansion after the wing are larger at $M = 1.80$ than $M = 1.60$.

Effect of Boundary Layer Transition Grit

Sublimation tests were conducted to determine the size and location of boundary layer grit that would transition the boundary layer flow from laminar to turbulent. The sublimation tests identified a grit size that would transition the flow on the wing, however, no grit size was identified that would transition the nose and fuselage boundary layer. Tunnel test time constraints prevented further investigation to determine an appropriate grit size for the model nose. A complete description of the sublimation portion of the test is presented in Appendix B.

The boundary layer grit that was applied to the model based on the sublimation tests is described below. The transition strips consisted of sand grit sparsely sprinkled in a lacquer film.

- #50 grit (0.0128 in. \pm 0.0011 in. nominal size) on model nose \approx 5.0 in. and 7.5 in. from the nose tip measured along the model surface. The strip was \approx 0.125 in. wide measured streamwise.
- # 80 grit (0.0077 in. \pm 0.0007 in. nominal size) on outboard 2/3 of wing. The strip was located 0.4 in. aft of the wing leading edge measured streamwise and was approximately 0.063 in. wide (measured streamwise).
- # 50 grit on inboard 1/3 of wing. The strip was located 0.4 in. aft of the wing leading edge measured streamwise and was approximately 0.063 in. wide (measured streamwise).

The effect of boundary layer grit on the sonic boom signatures for $M = 1.60$ is shown in figure 26. The primary affect of the boundary layer grit is seen downstream of the wing expansion. Turbulent flow over the model wing does not significantly affect the peak pressures generated by the wing. The grit located on the model nose does not create a noticeable pressure peak, whereas, the effect of the wing boundary layer grit does show a compression, expansion, and re-compression at $x - \beta h \approx 4$ in.

Concluding Remarks

A wind tunnel test has been conducted by Gulfstream Aerospace Corporation (GAC) to measure the sonic boom signature of a low boom Mach 1.6 cruise business jet in the Langley Unitary Plan Wind Tunnel at Mach numbers 1.60 and 1.80 at separation distances from 0.5 to 1.7 reference body lengths and at three angles of attack. Both on-track and off-track pressure signature data were acquired. Through a cooperative agreement between GAC and the National Aeronautics and Space Administration (NASA), GAC provided NASA access to the experimental data. NASA is publishing these data in an effort to supply experimental data for a low sonic boom configuration to the sonic boom research community.

Tabulated pressure signature data are provided to facilitate their use. Schlieren images of the model are also presented. Plots of selected data are presented to illustrate the salient features of the data, however, no extensive data analysis was conducted.

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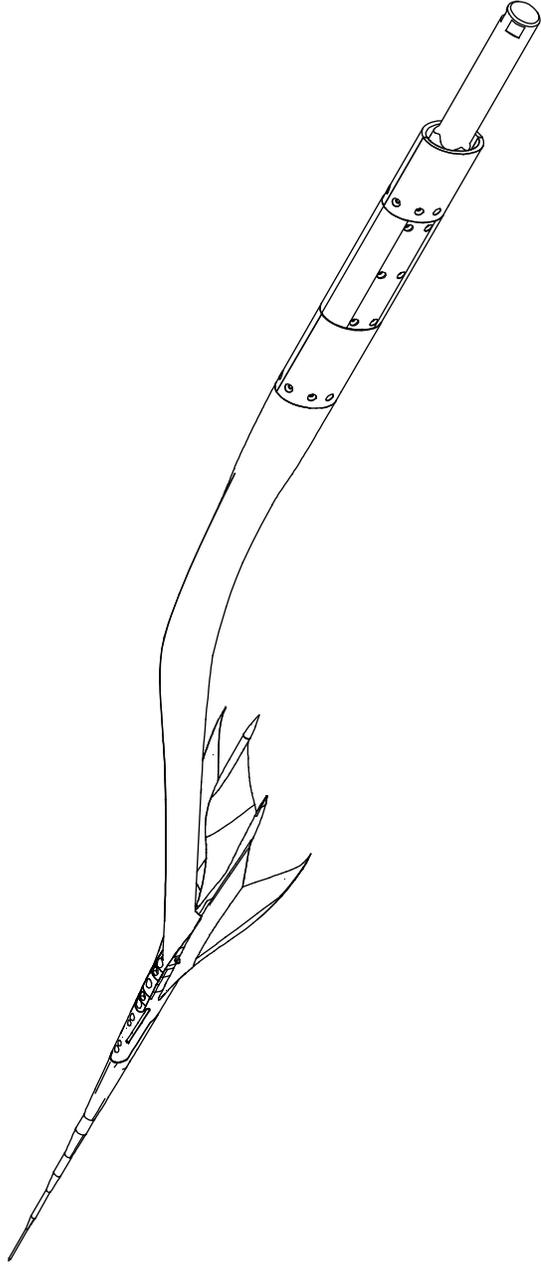
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6. Jackson, Charlie M., Jr.; Corlett, William A.; and Monta, William J.: *Description and Calibration of the Langley Unitary Plan Wind Tunnel*. NASA TP-1905, 1981.
7. Braslow, Albert L.; and Knox, Eugene C.: *Simplified Method for Determination of Critical Height of Distributed Roughness Particles for Boundary-Layer Transition at Mach Numbers from 0 to 5*. NACA TN 4363, Sept. 1958.
8. Braslow, Albert L.; Hicks, Raymond M.; and Harris, Roy V., Jr.: *Use of Grit-Type Boundary-Layer-Transition Trips on Wind-Tunnel Models*. NASA TN D-3579, Sept. 1966.



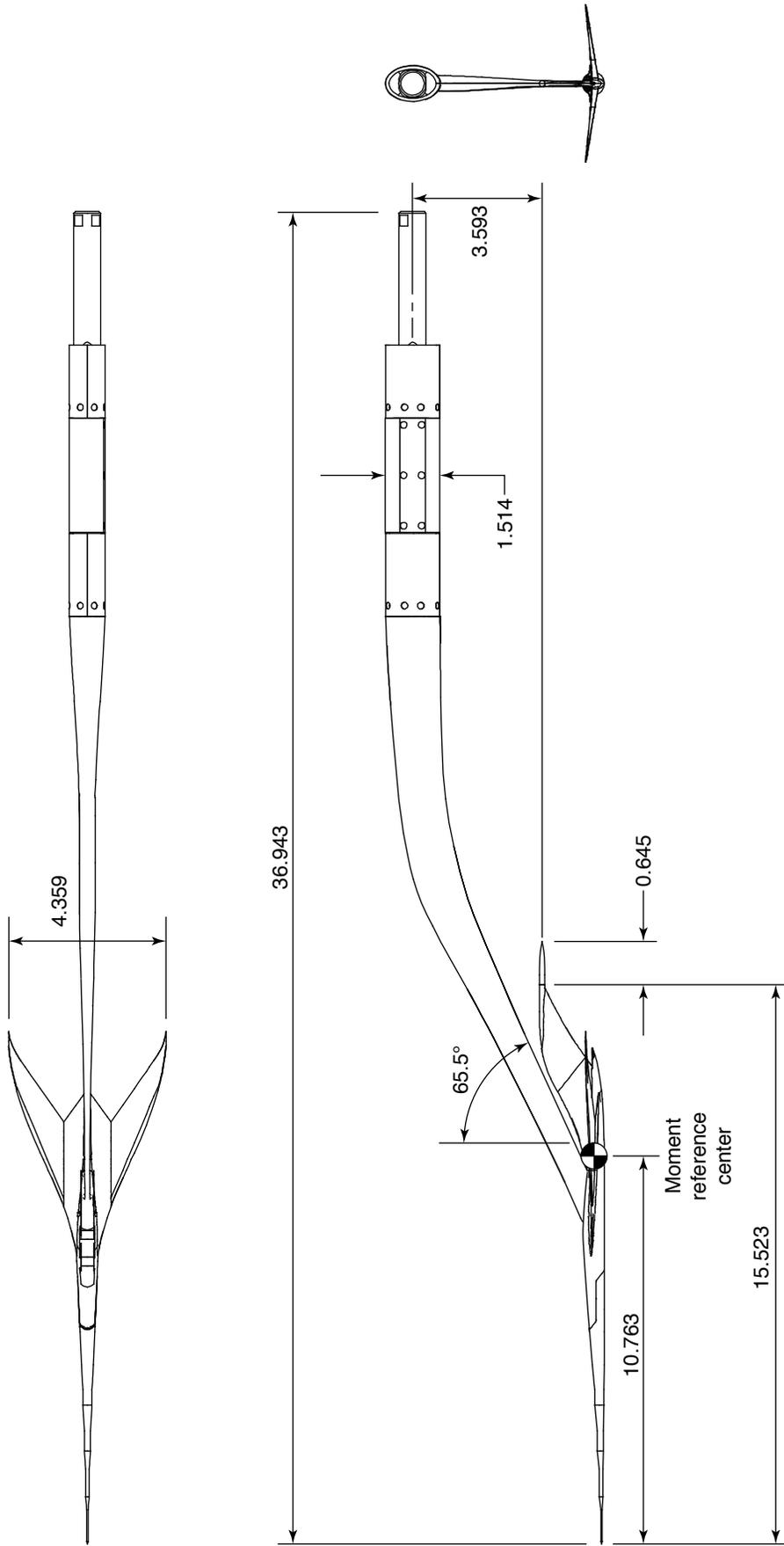
(a) Model mounted in wind tunnel.

Figure 1. Low sonic boom business jet configuration.



(b) Isometric sketch of model and blade sting.

Figure 1. Continued.



(c) Three-view sketch of model. Dimensions are in inches unless otherwise noted.

Figure 1. Concluded.

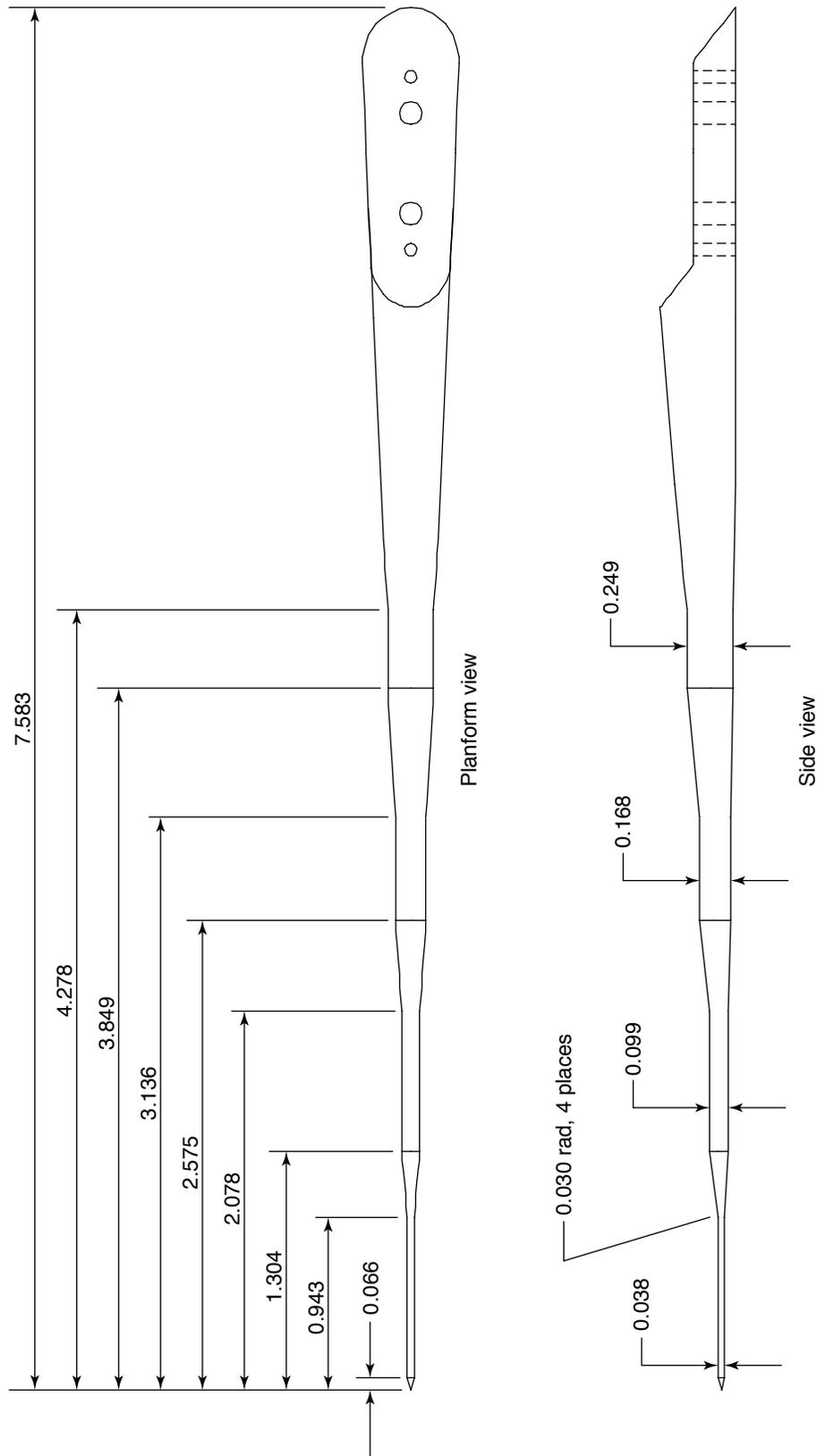


Figure 2. Nose details. Dimensions are in inches.



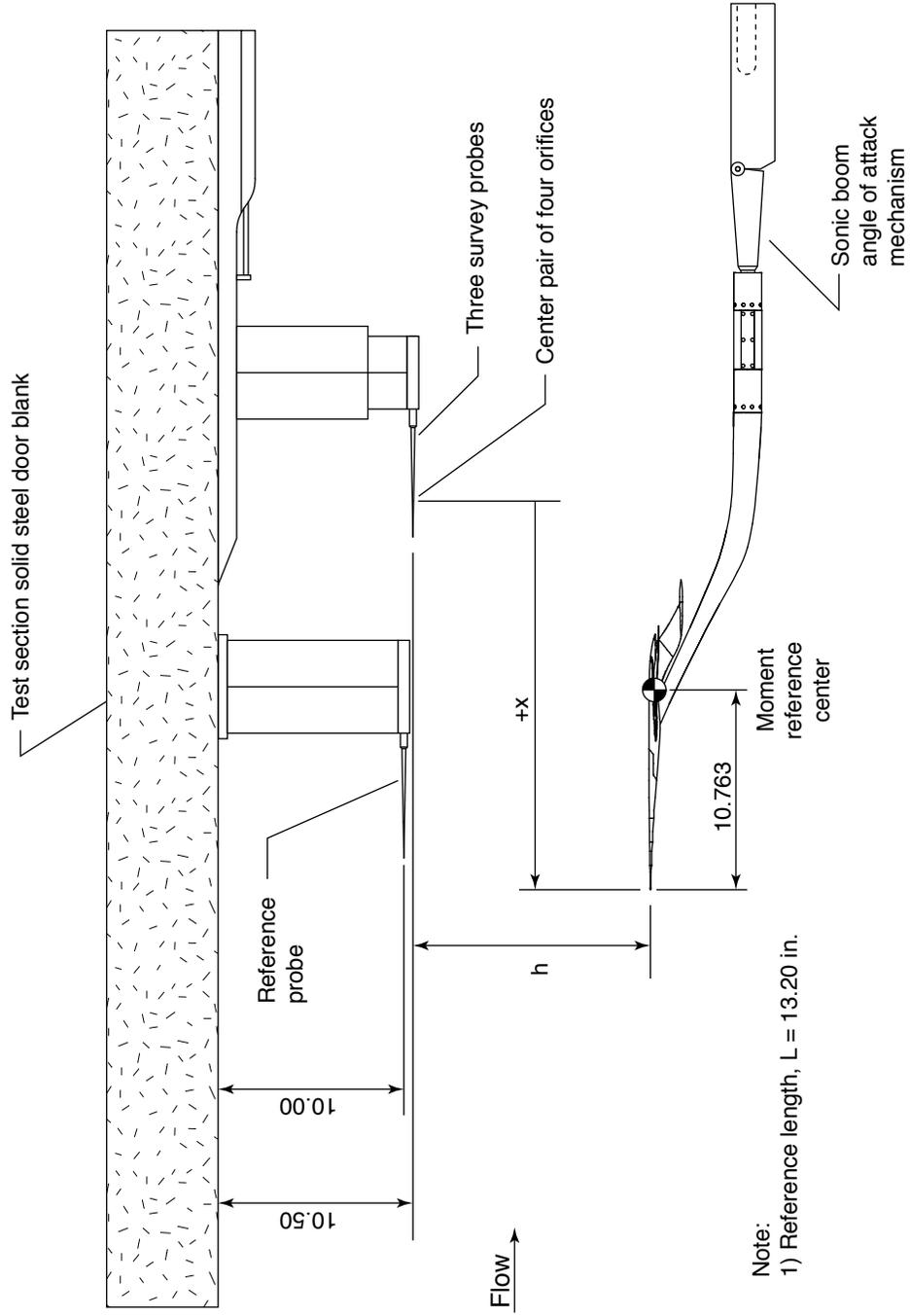
(a) View looking at the tunnel sidewall.

Figure 3. Model installation photographs (reference probe is outside the photograph field of view.)



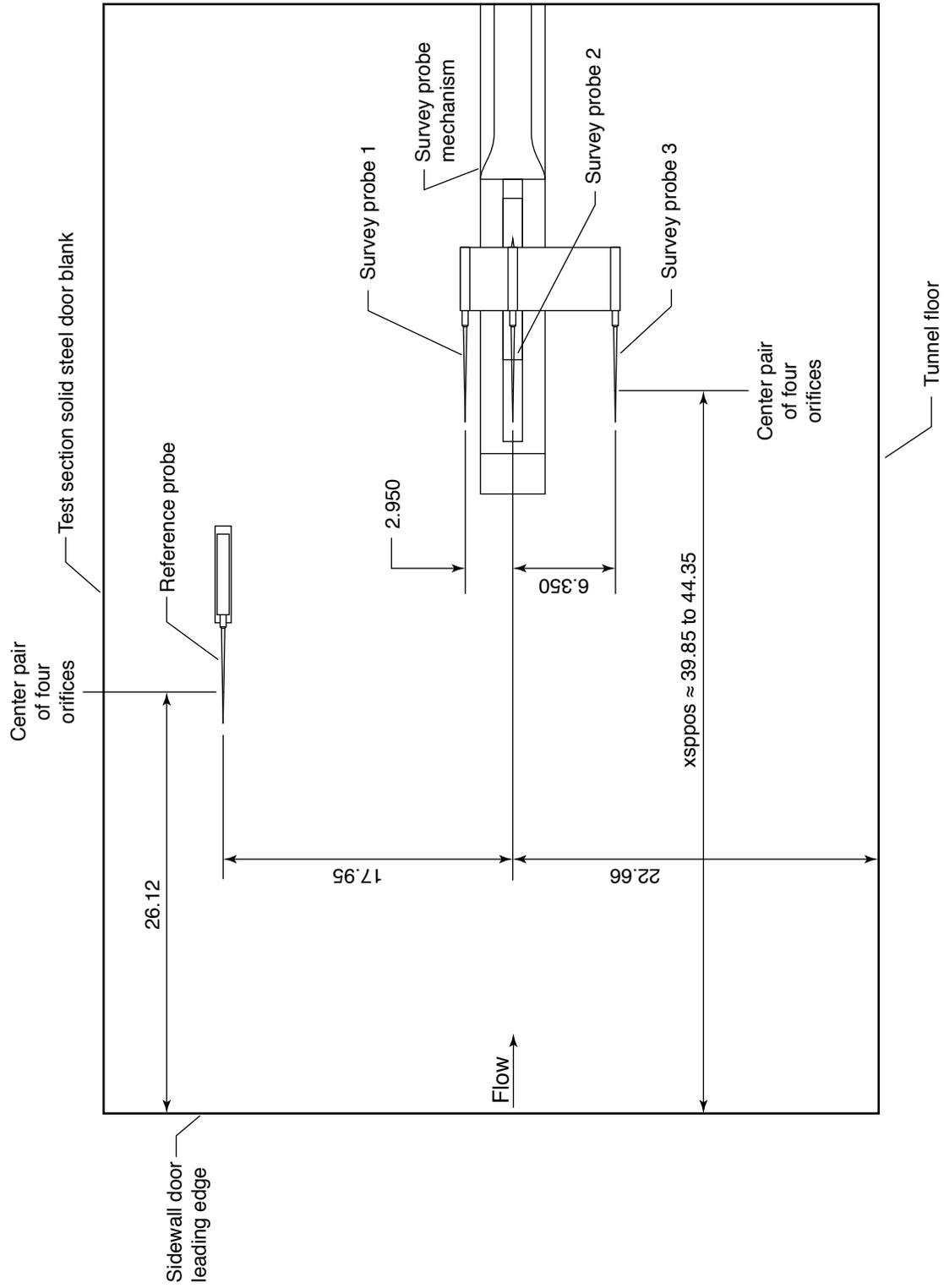
(b) View looking downstream.

Figure 3. Concluded.



(a) Top view.

Figure 4. Model installation sketches. Dimensions are in inches.



(b) Side view without model.

Figure 4. Concluded.

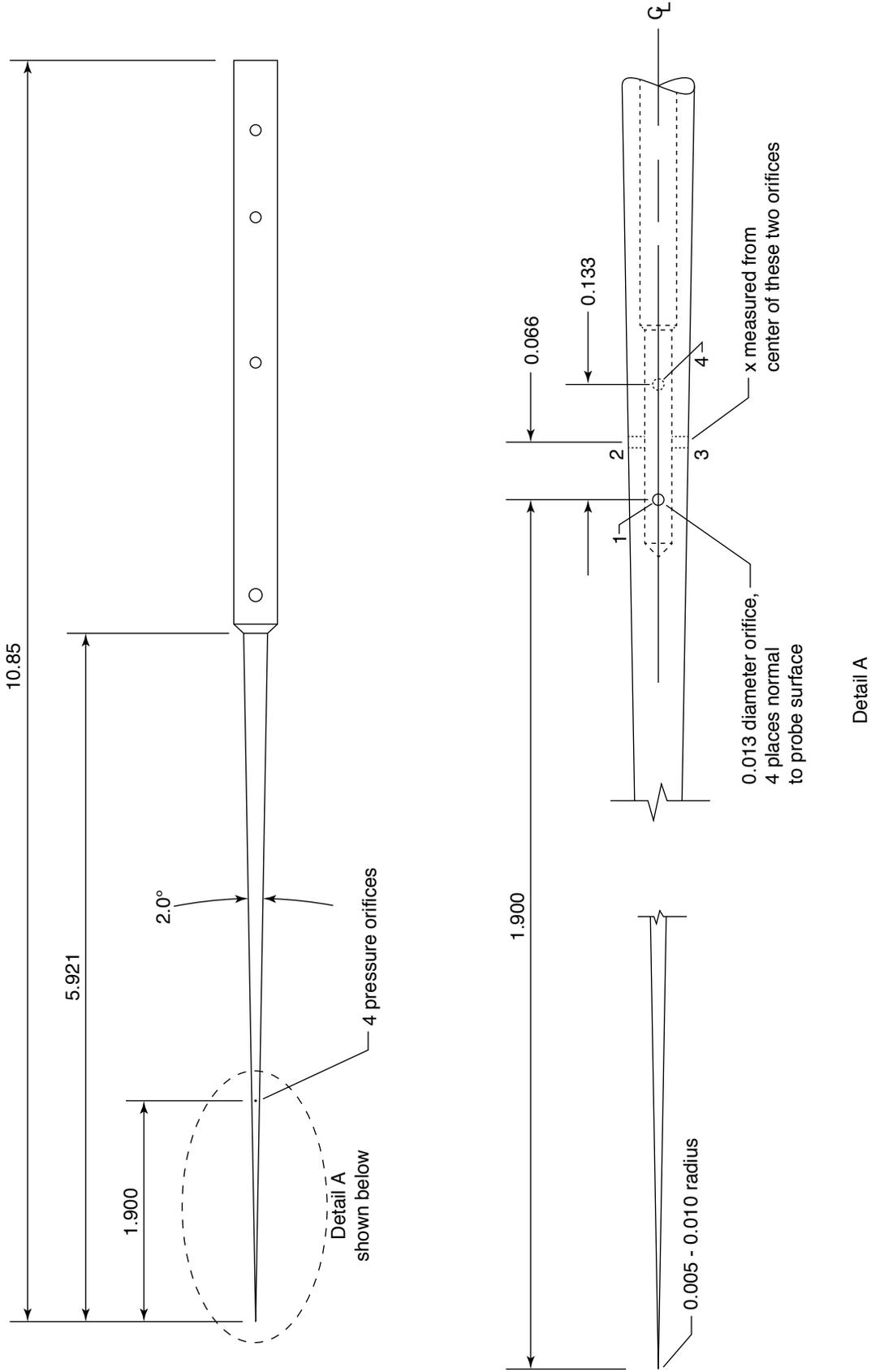
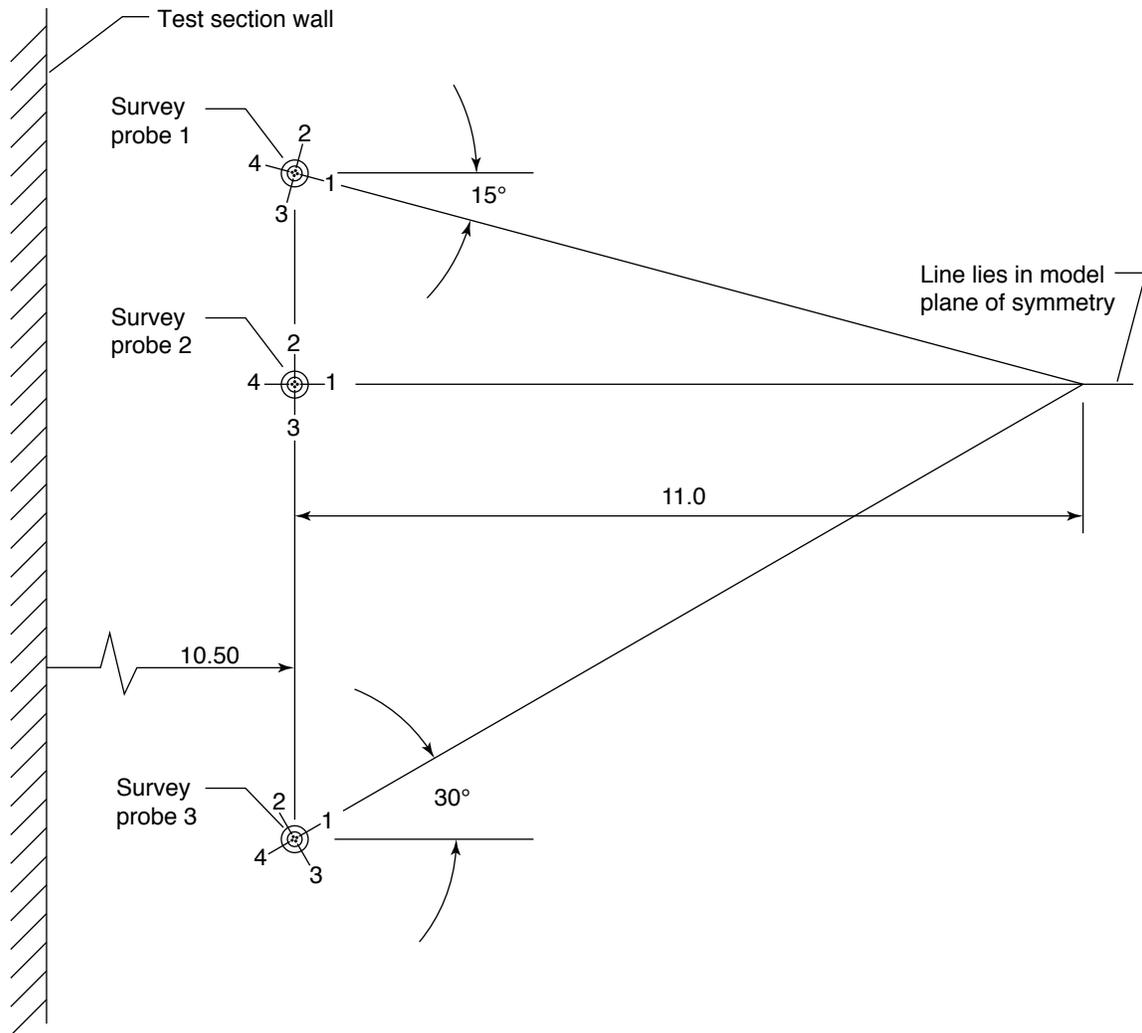
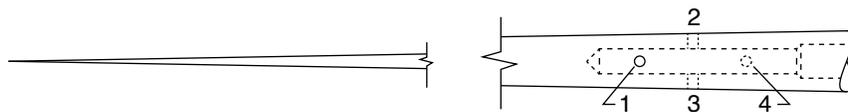


Figure 5. Reference and survey probe details. Dimensions are in inches unless otherwise noted.



(a) View looking downstream.



(b) Survey probe orifice identification.

Figure 6. Survey probe orifice orientation (for clarity, the survey probe holder and mechanism are not shown). Dimensions are in inches unless otherwise noted.

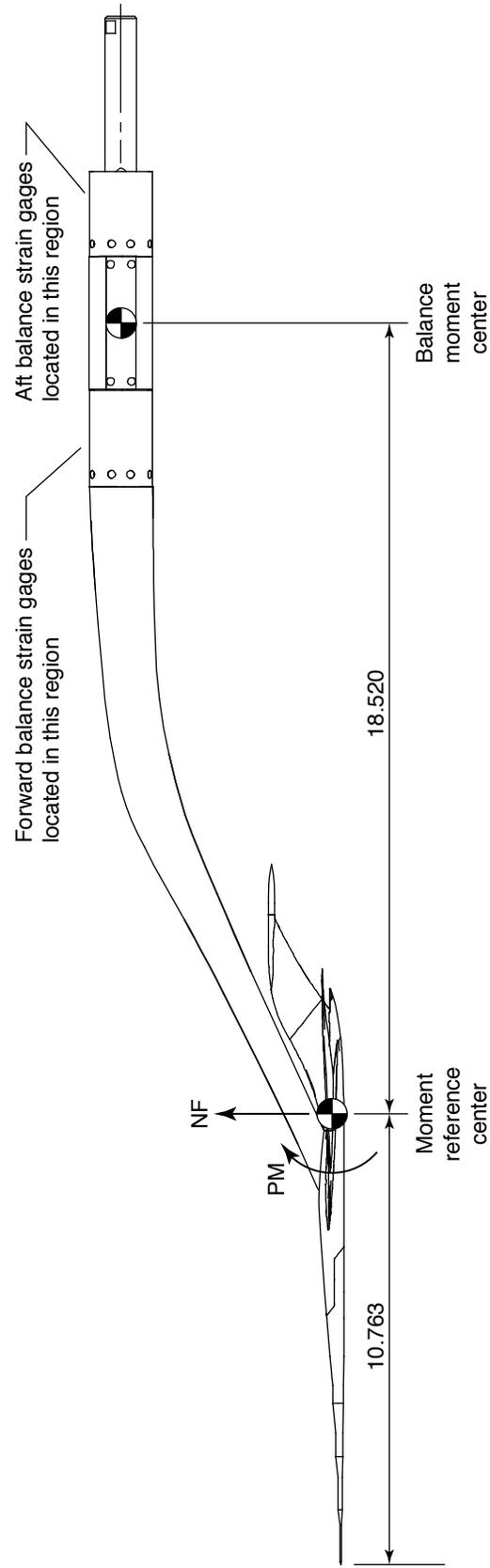


Figure 7. Model moment reference center location. Dimensions are in inches unless otherwise noted.

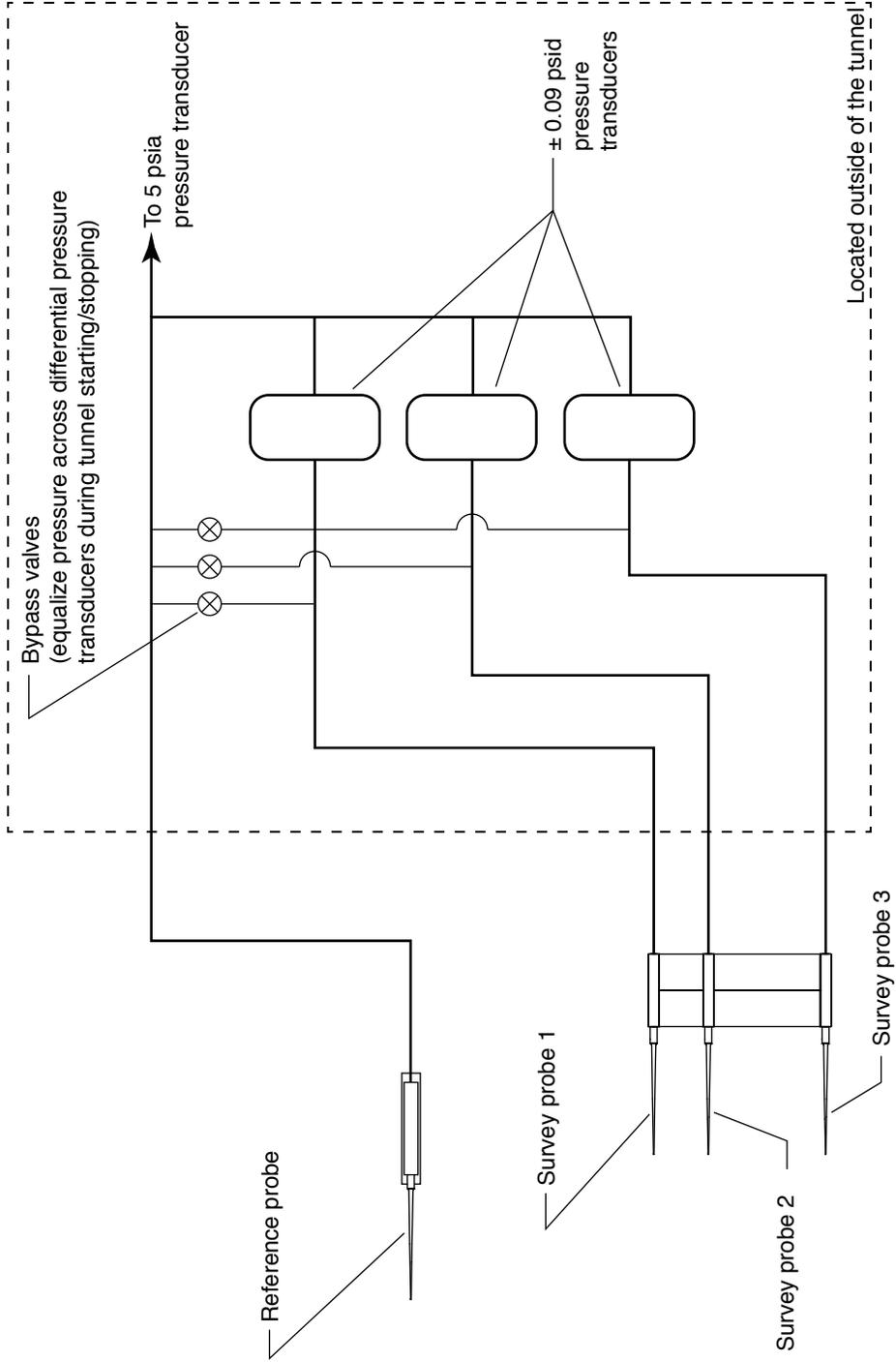


Figure 8. Pressure instrumentation schematic.

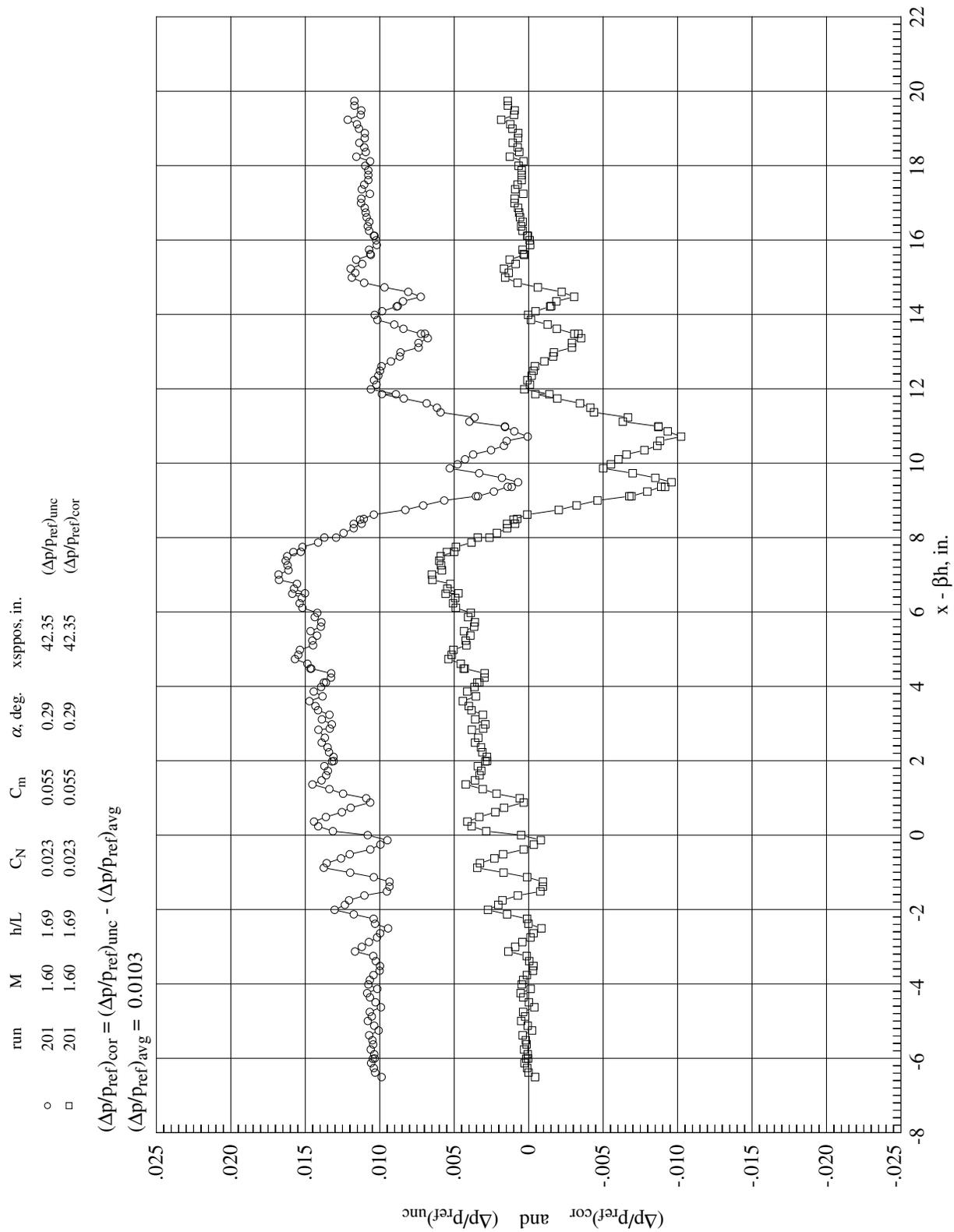


Figure 9. Corrected and uncorrected sonic boom pressure signatures.

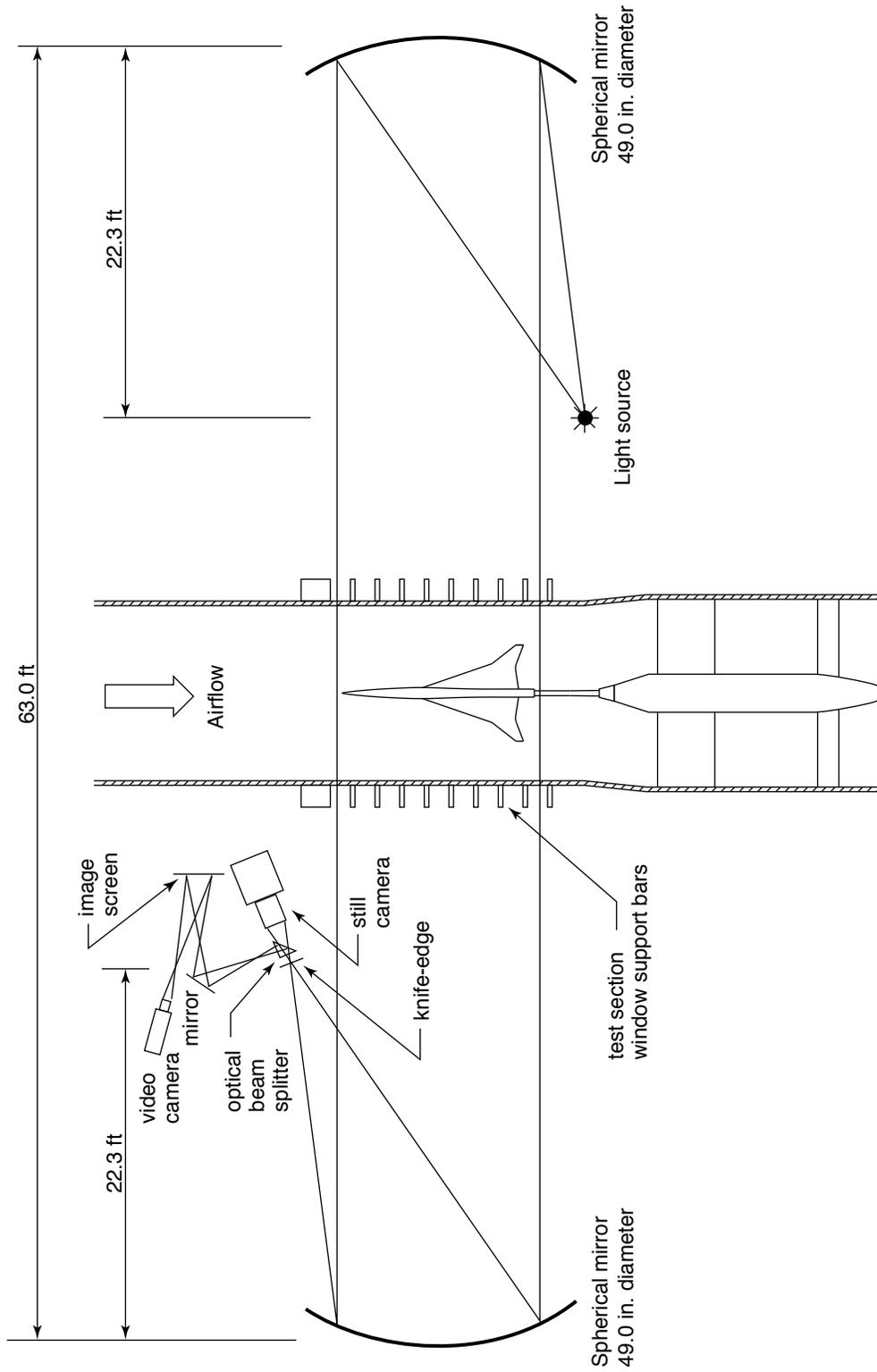
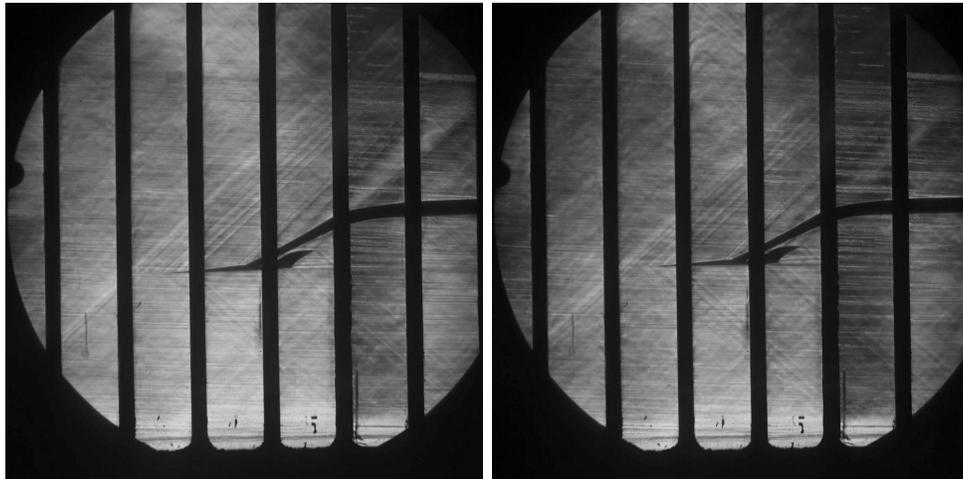
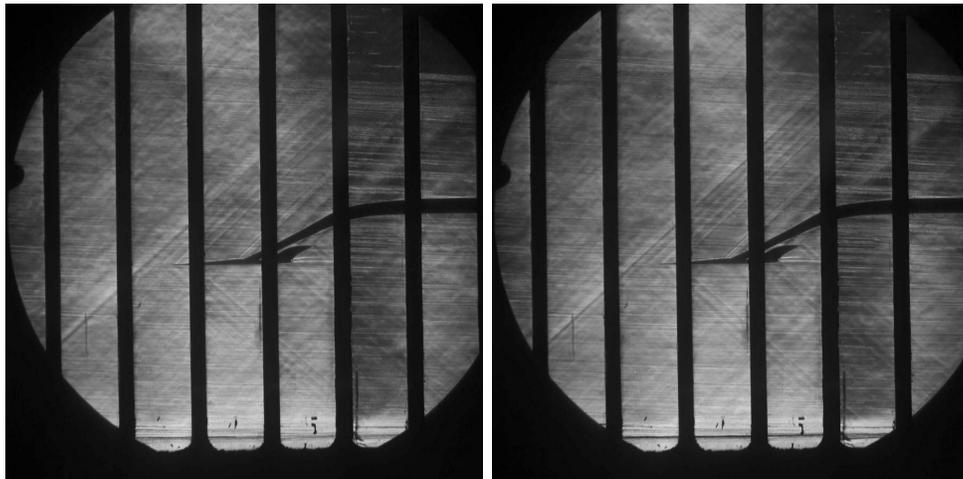


Figure 10. Schlieren system schematic.



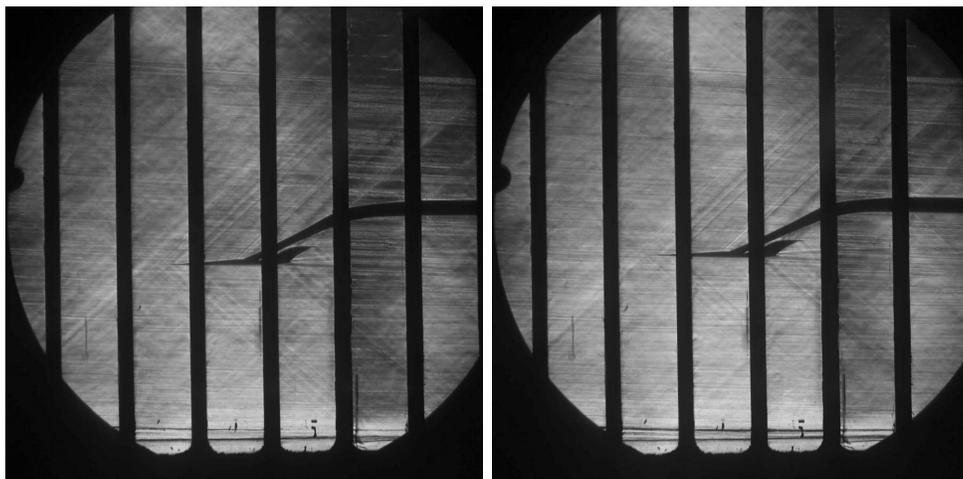
(a) $\alpha = -1.12^\circ$.

(b) $\alpha = -0.25^\circ$.



(c) $\alpha = -0.05^\circ$.

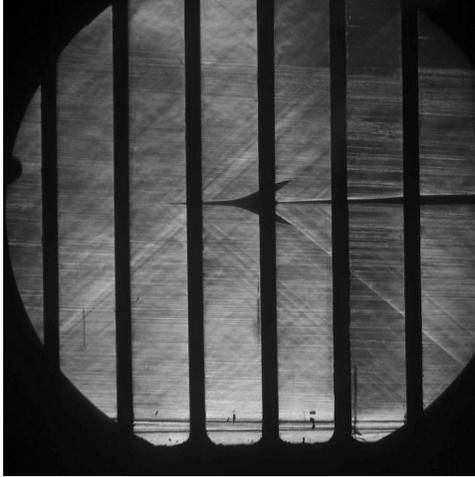
(d) $\alpha = 0.22^\circ$.



(e) $\alpha = 0.66^\circ$.

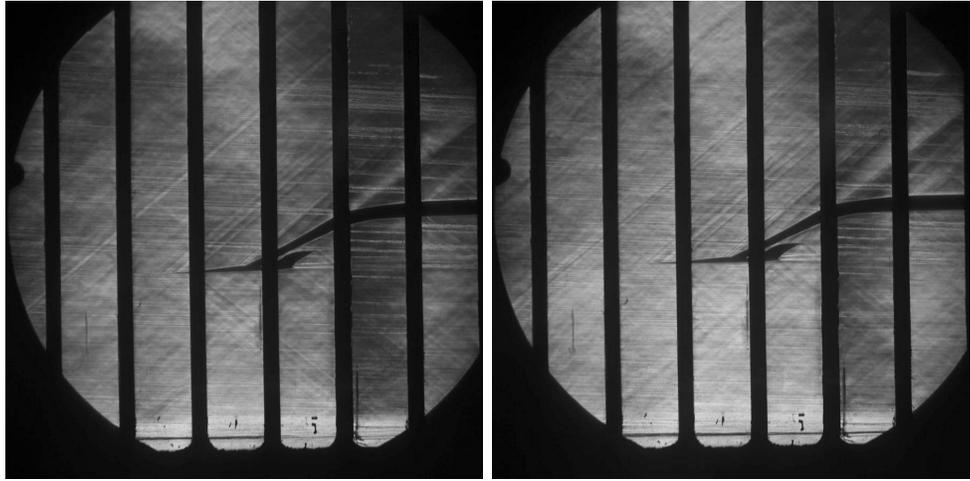
(f) $\alpha = 1.87^\circ$.

Figure 11. Schlieren images at $M = 1.50$.



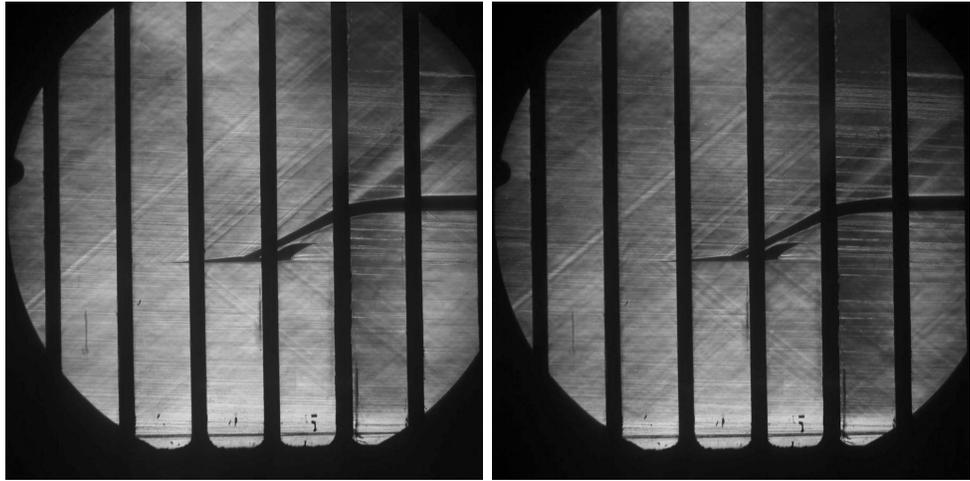
(g) $\alpha = -0.02^\circ$, $\phi = -90^\circ$ (viewing top surface of the model).

Figure 11. Concluded.



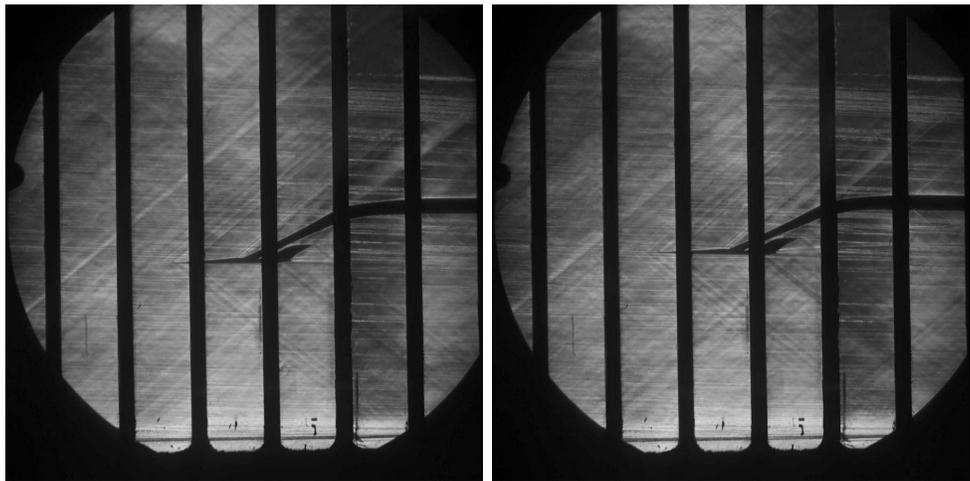
(a) $\alpha = -1.22^\circ$.

(b) $\alpha = -0.24^\circ$.



(c) $\alpha = 0.04^\circ$.

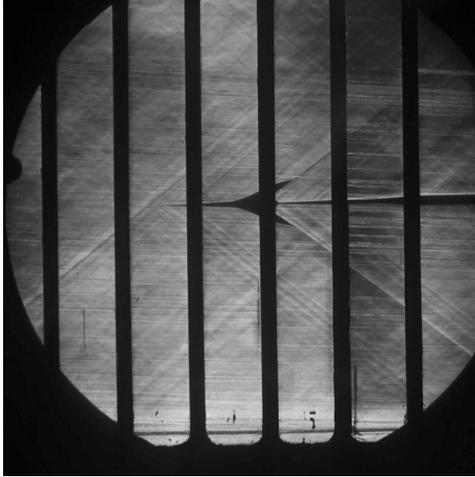
(d) $\alpha = 0.35^\circ$.



(e) $\alpha = 0.68^\circ$.

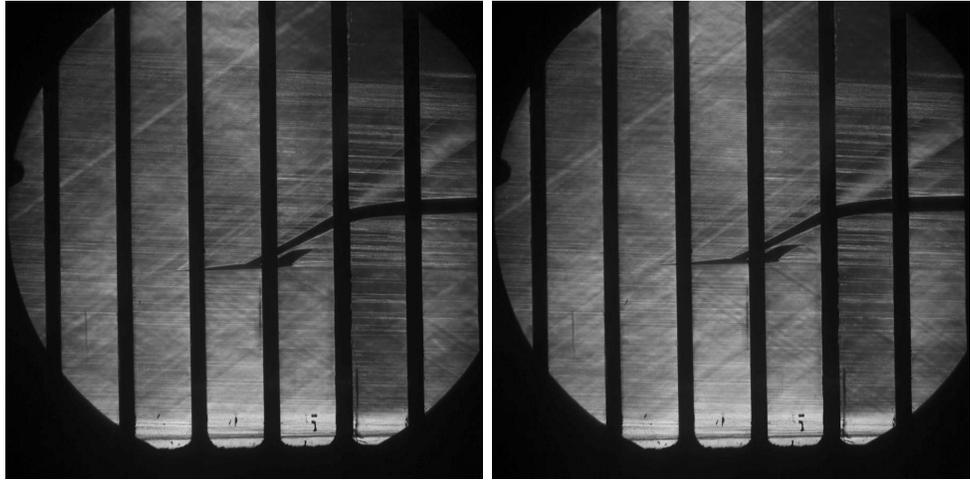
(f) $\alpha = 1.87^\circ$.

Figure 12. Schlieren images at $M = 1.60$.



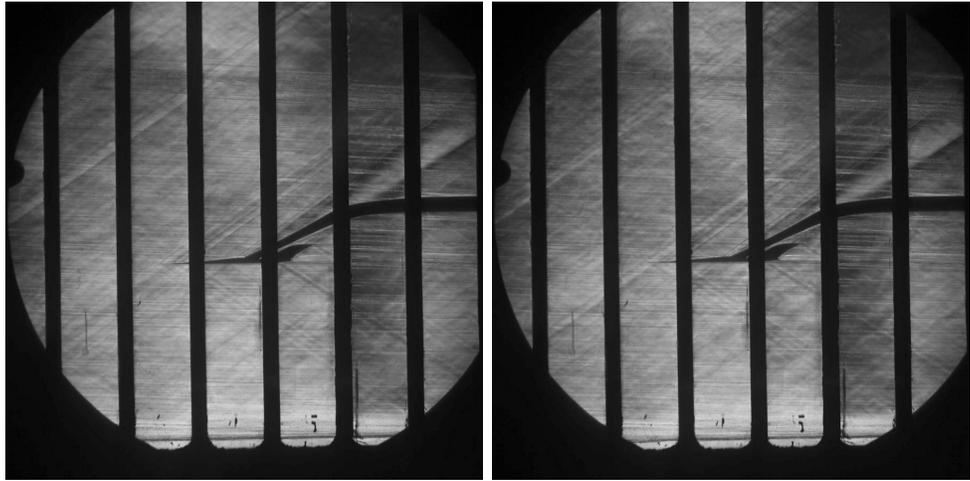
(g) $\alpha = 0.01^\circ$, $\phi = -90^\circ$ (viewing top surface of the model).

Figure 12. Concluded.



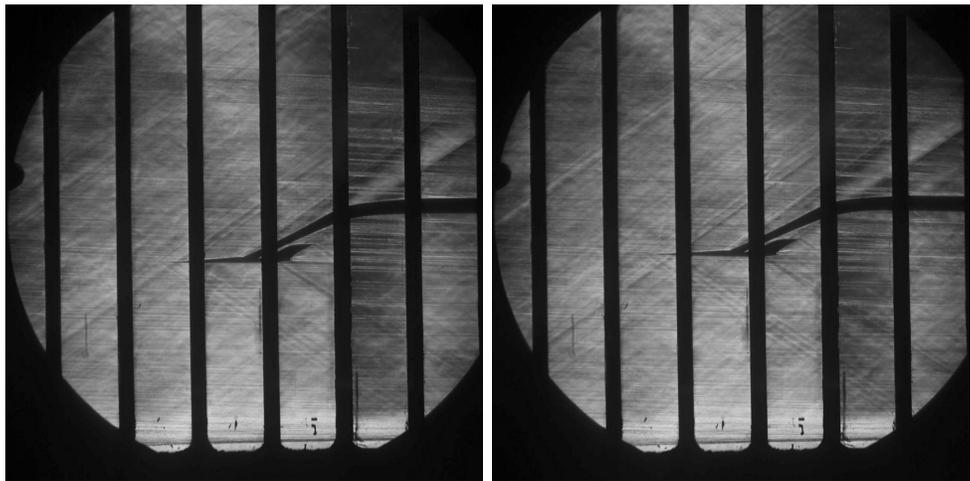
(a) $\alpha = -1.20^\circ$.

(b) $\alpha = -0.27^\circ$.



(c) $\alpha = -0.02^\circ$.

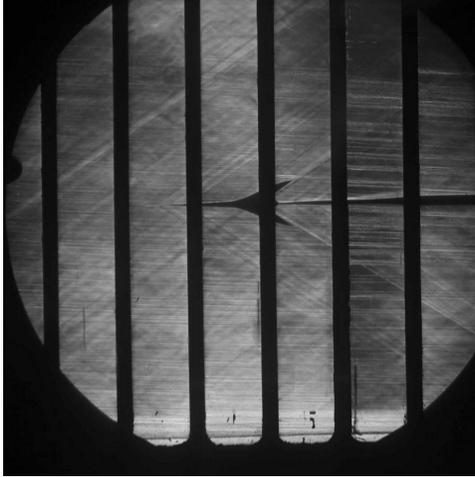
(d) $\alpha = 0.25^\circ$.



(e) $\alpha = 0.65^\circ$.

(f) $\alpha = 1.83^\circ$.

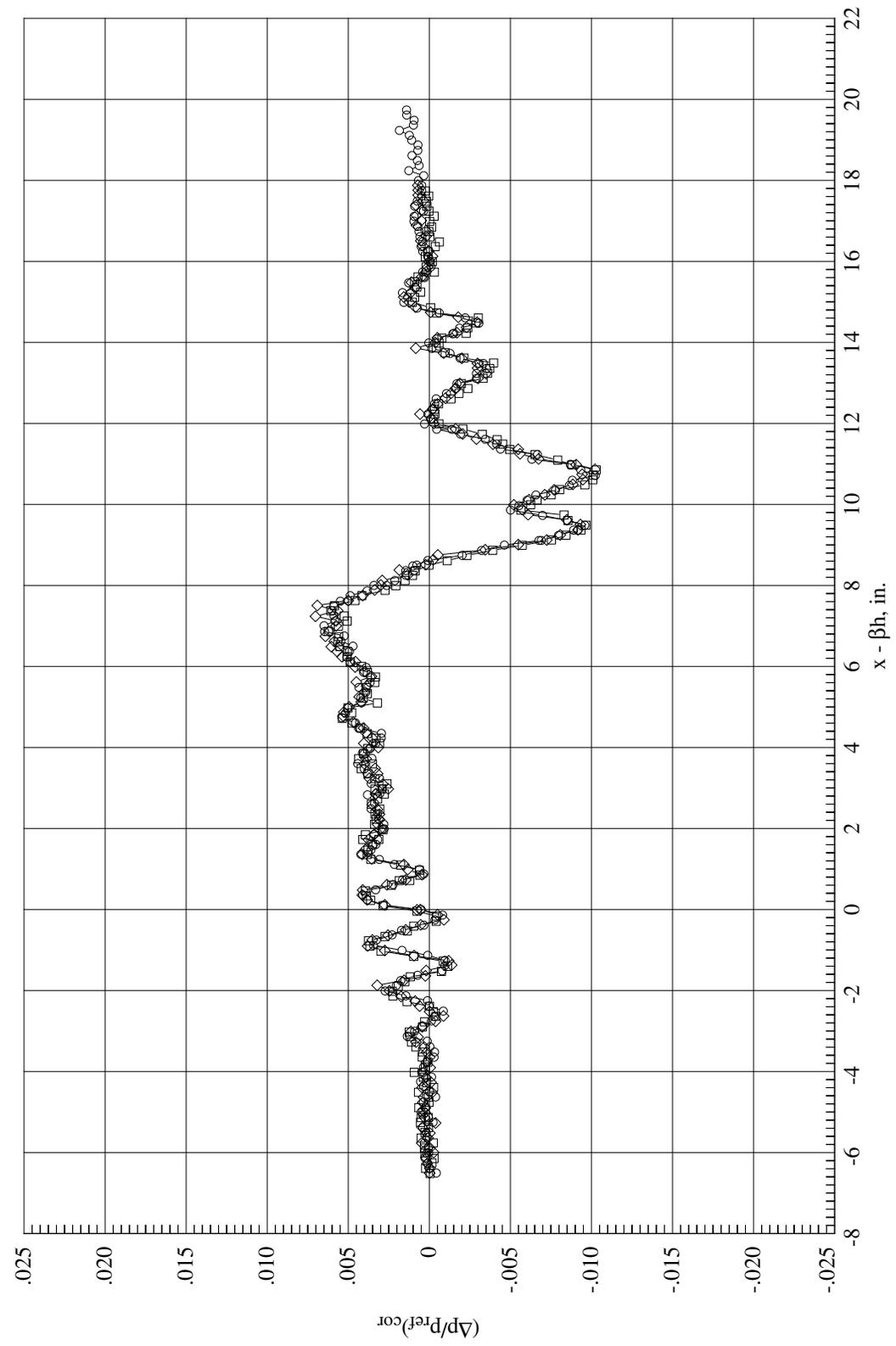
Figure 13. Schlieren images at $M = 1.80$.



(g) $\alpha = 0.07^\circ$, $\phi = -90^\circ$ (viewing top surface of the model).

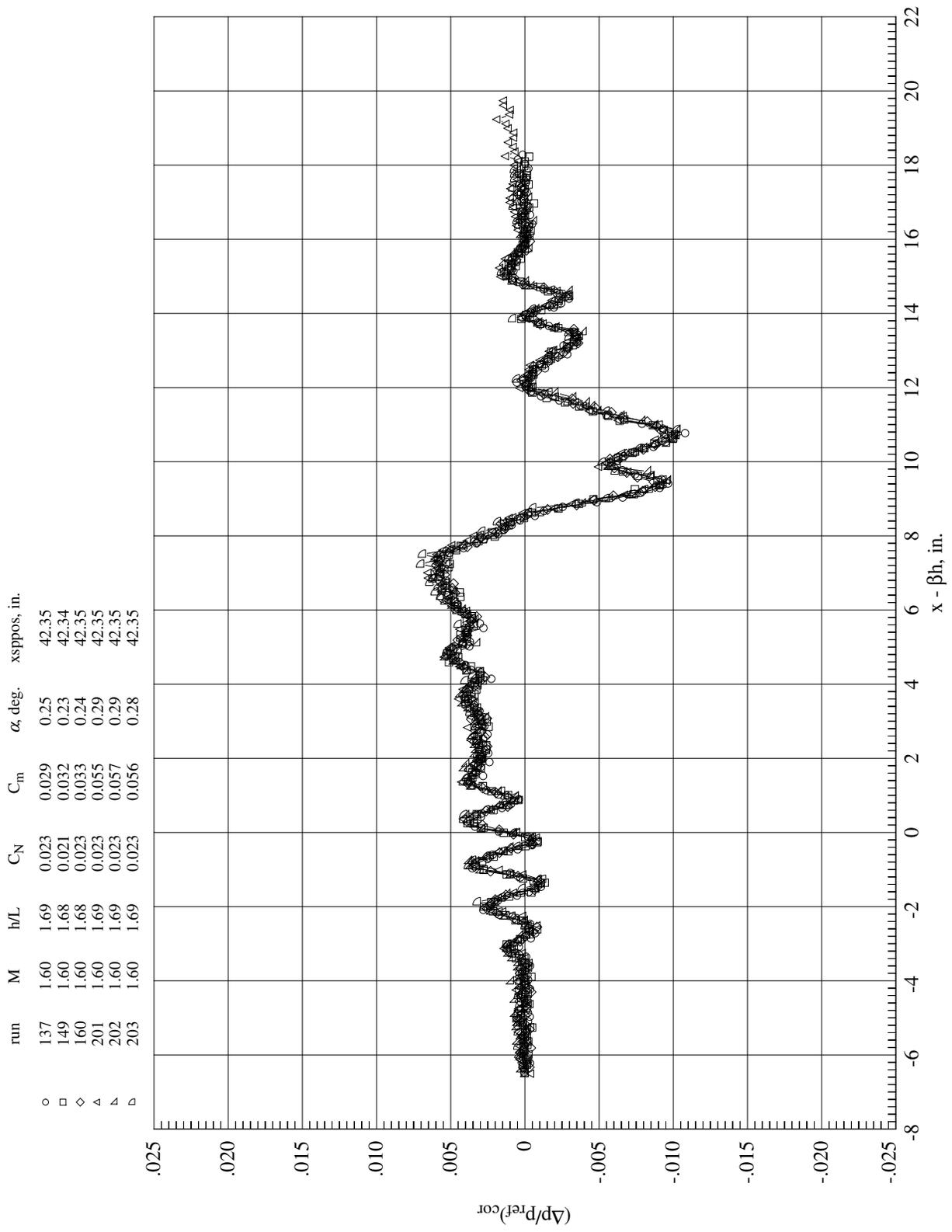
Figure 13. Concluded.

run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
201	1.60	1.69	0.023	0.055	0.29	42.35
202	1.60	1.69	0.023	0.057	0.29	42.35
203	1.60	1.69	0.023	0.056	0.28	42.35



(a) Back-to-back repeats.

Figure 14. Repeatability of sonic boom pressure signatures.



(b) Back-to-back and non back-to-back repeats.

Figure 14. Concluded.

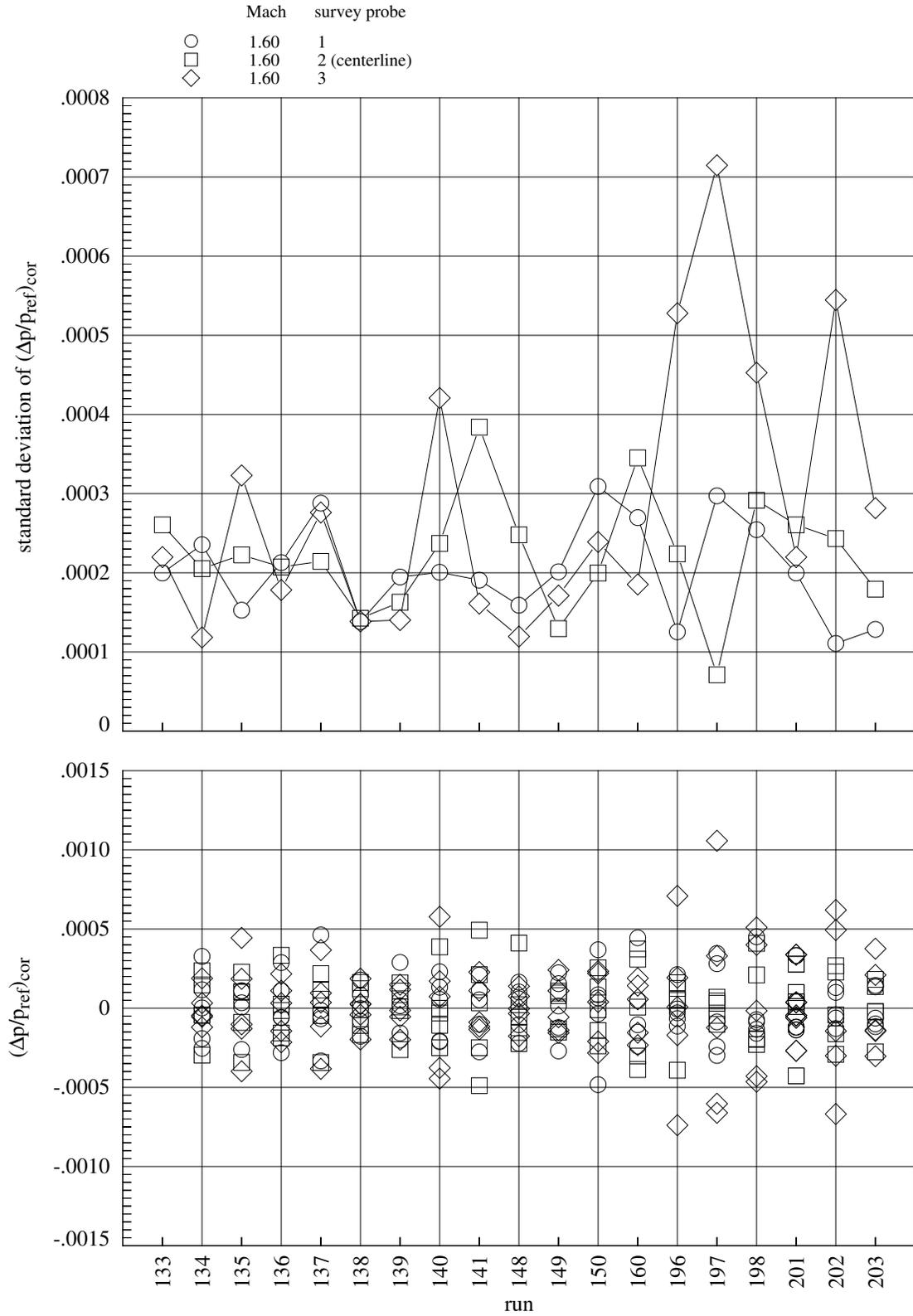


Figure 15. Variation in $(\Delta p/p_{ref})_{cor}$ for first five data points in each run.

run	M	h/L	C_N	C_m	α , deg.	xsppos, in.
201	1.60	1.69	0.023	0.055	0.29	42.35
202	1.60	1.69	0.023	0.057	0.29	42.35
203	1.60	1.69	0.023	0.056	0.28	42.35

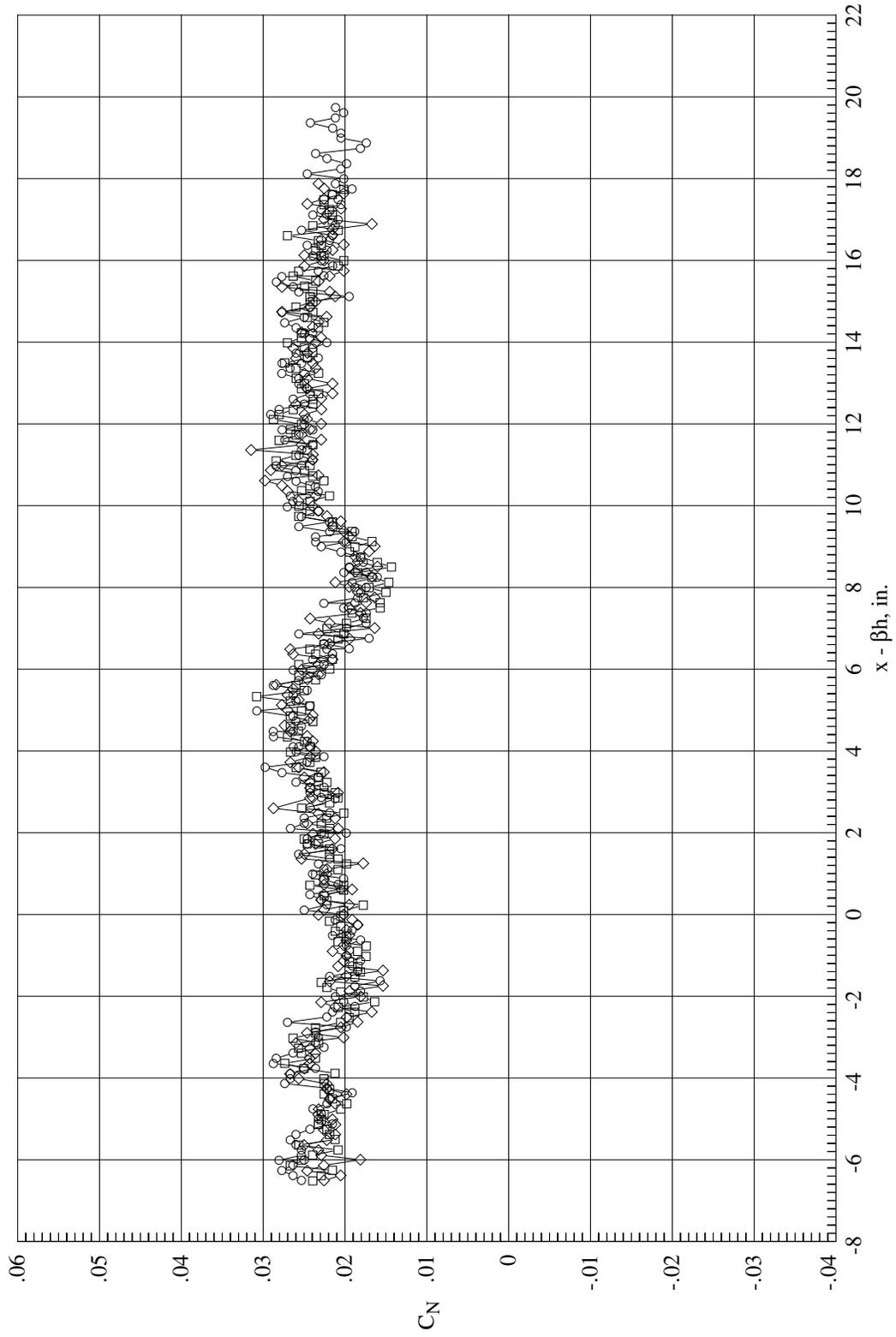


Figure 16. C_N variation for three back-to-back repeat runs.

run	M	h/L	C_N	C_m	α deg.	xsppos, in.
134	1.60	1.18	-0.008	0.053	-0.30	39.85
133	1.60	1.19	0.021	0.037	0.26	39.85
135	1.60	1.19	0.043	0.003	0.66	39.85

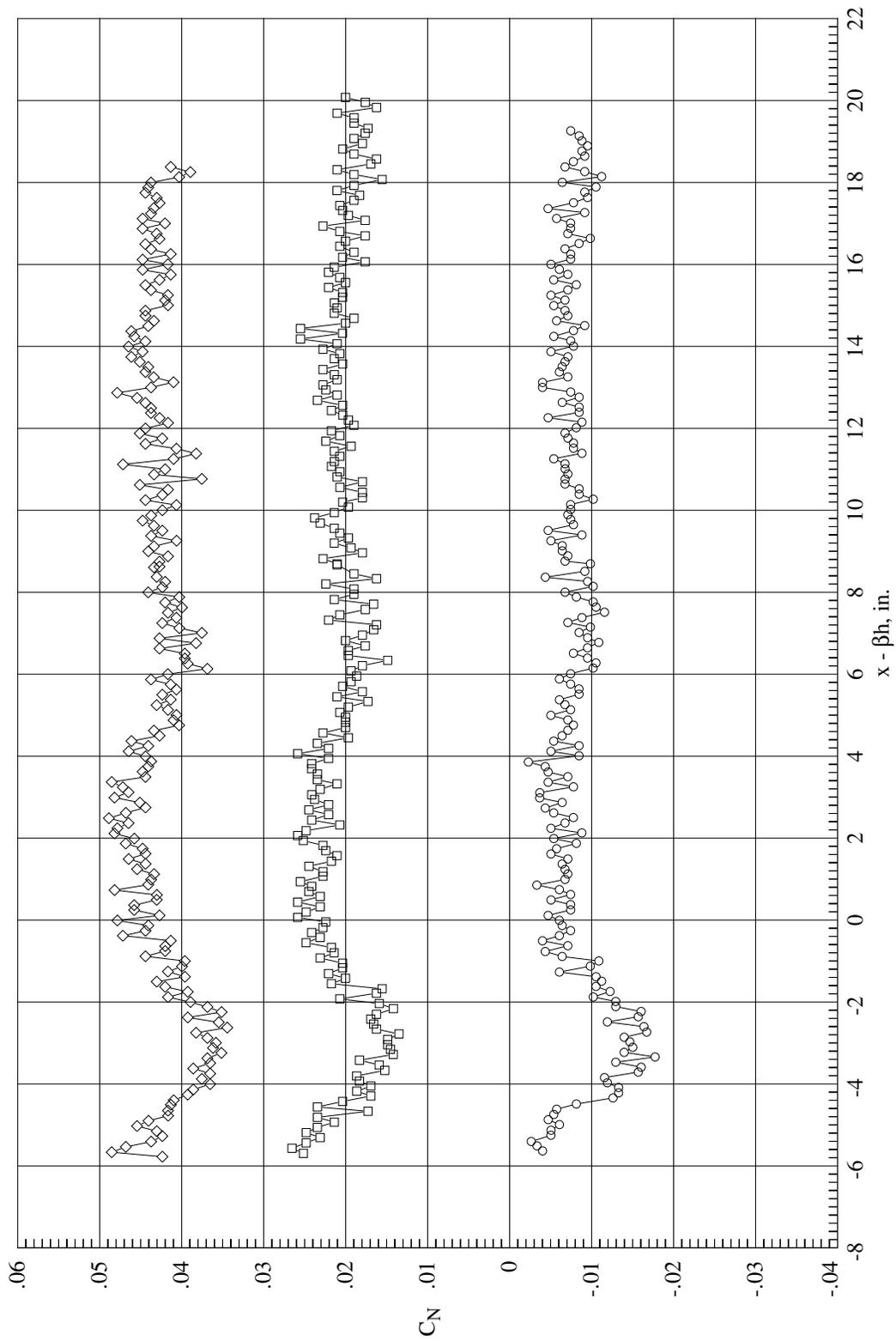


Figure 17. C_N variation at three angles of attack.

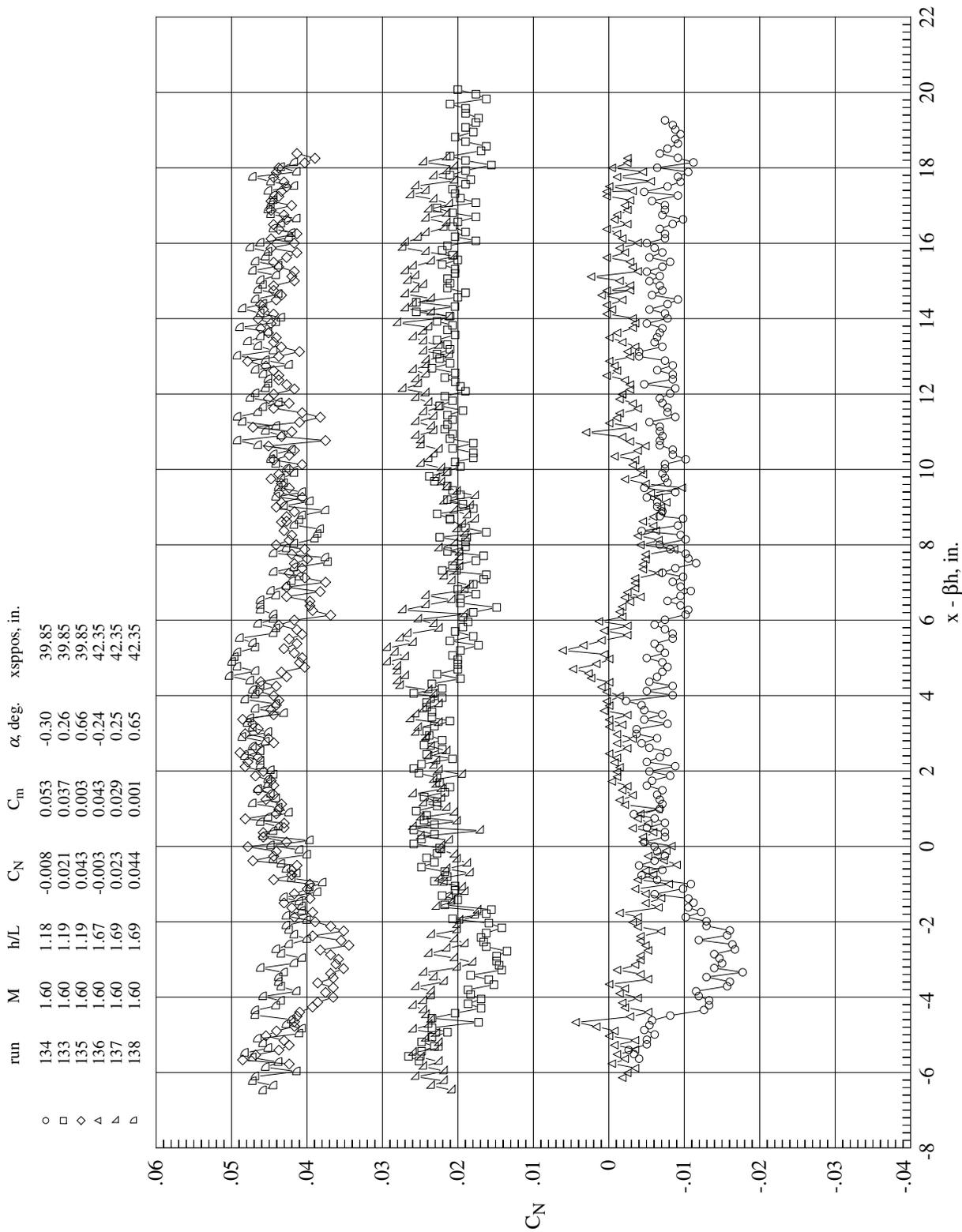
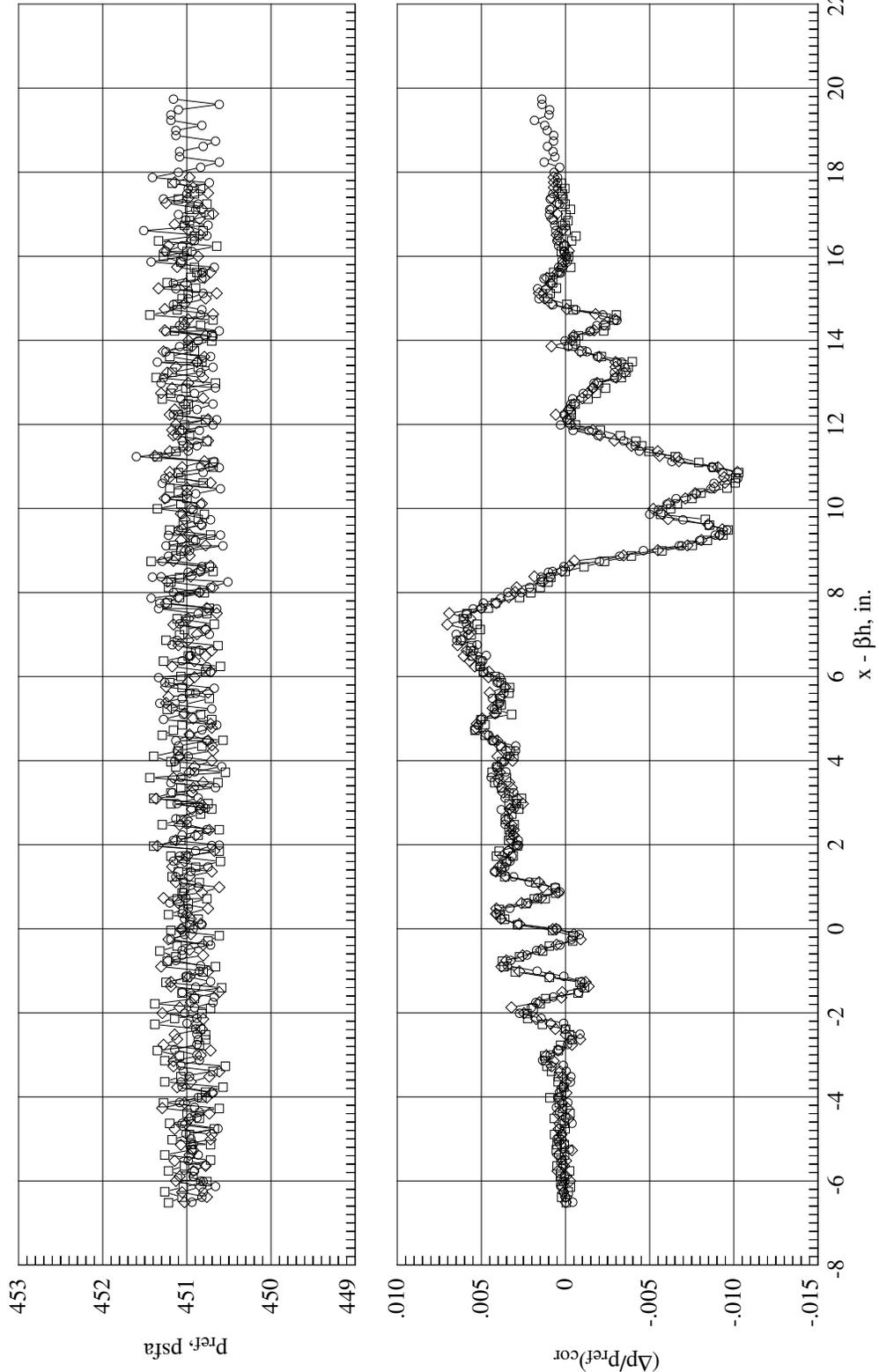


Figure 18. C_N variation at three angles of attack at $h/L = 1.2$ and 1.7 .

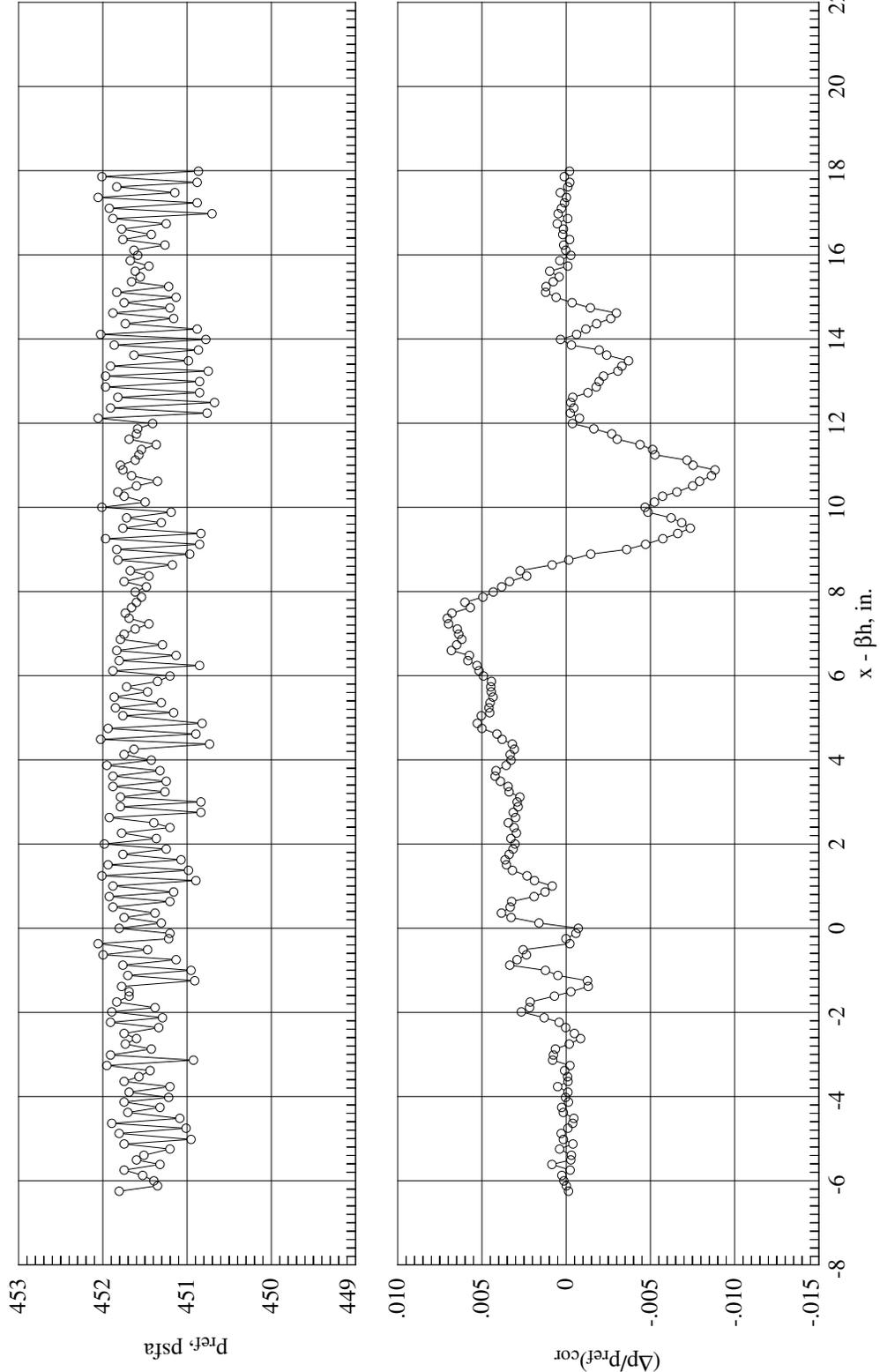
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
○	201	1.60	0.023	0.055	0.29	42.35
□	202	1.60	0.023	0.057	0.29	42.35
◇	203	1.60	0.023	0.056	0.28	42.35



(a) Typical p_{ref} variation.

Figure 19. Variation of p_{ref} during sonic boom pressure signature runs.

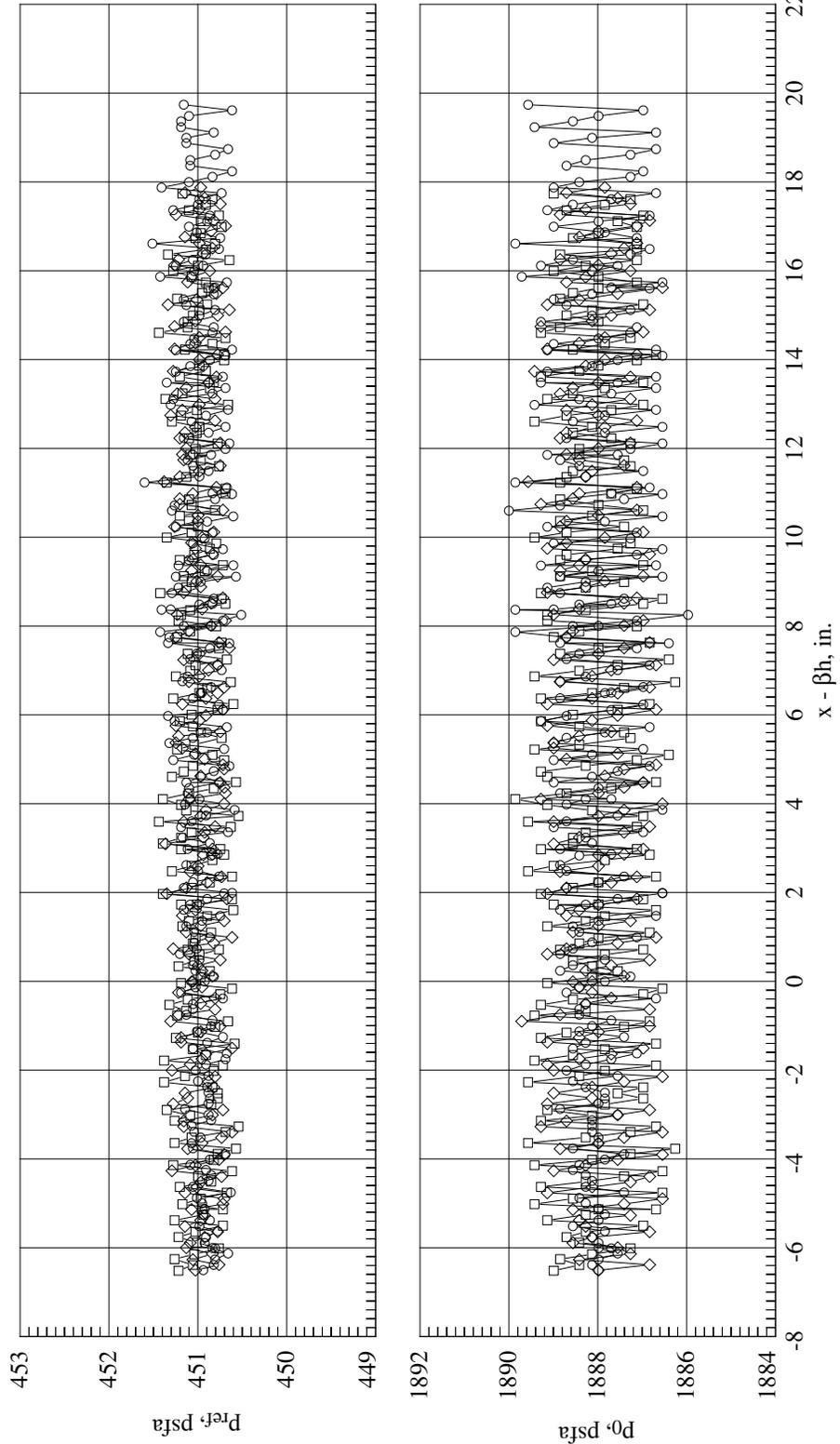
run	M	h/L	C_N	C_m	α , deg.	x_{sppos} , in.
150	1.60	1.68	0.021	0.029	0.23	44.35



(b) Larger than typical p_{ref} variation.

Figure 19. Concluded.

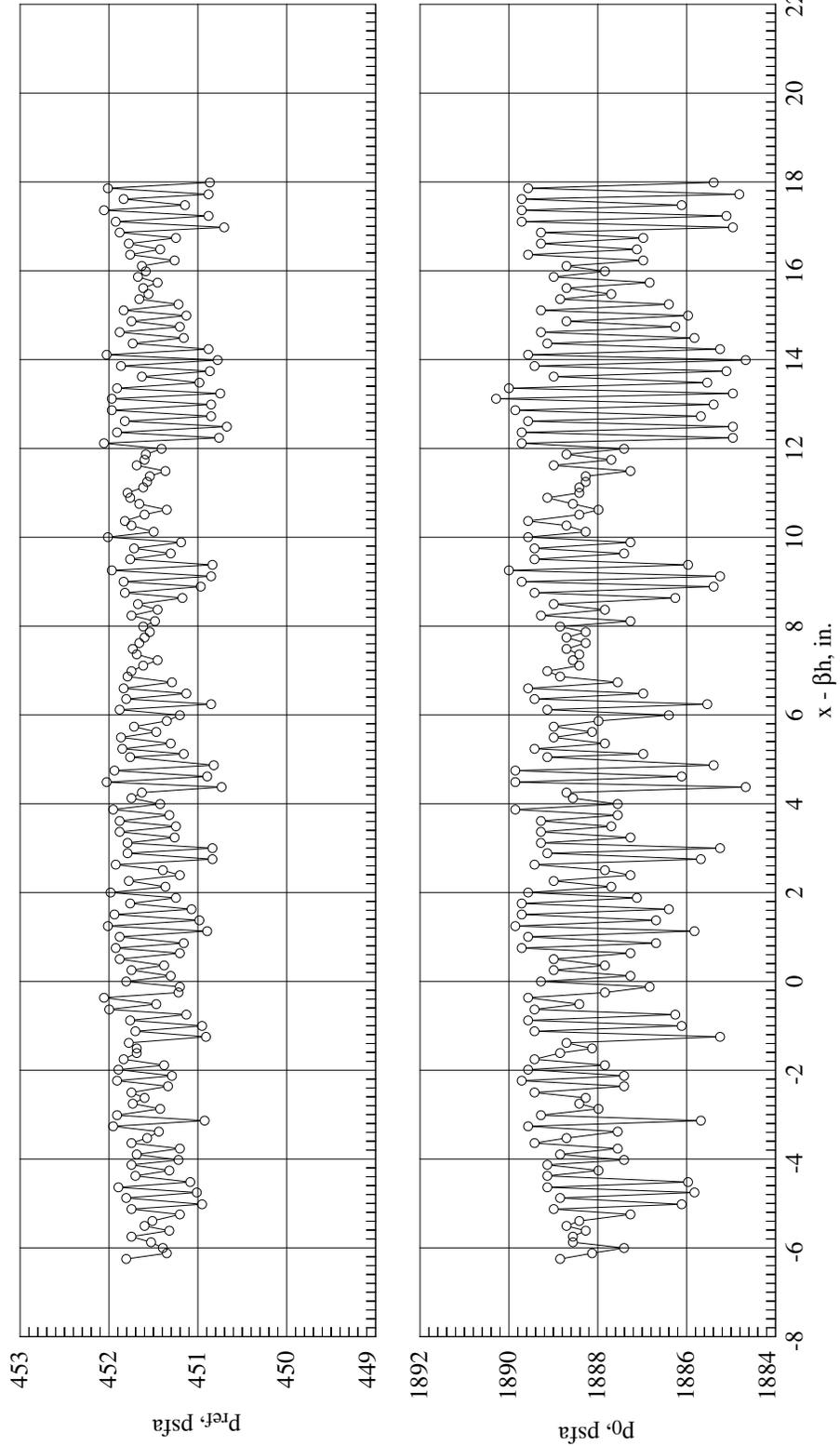
run	M	h/L	C _N	C _m	α , deg.	xspos, in.	
○	201	1.60	1.69	0.023	0.055	0.29	42.35
□	202	1.60	1.69	0.023	0.057	0.29	42.35
◇	203	1.60	1.69	0.023	0.056	0.28	42.35



(a) Typical p_{ref} variation.

Figure 20. Variation of p_{ref} and p_0 during sonic boom pressure signature runs.

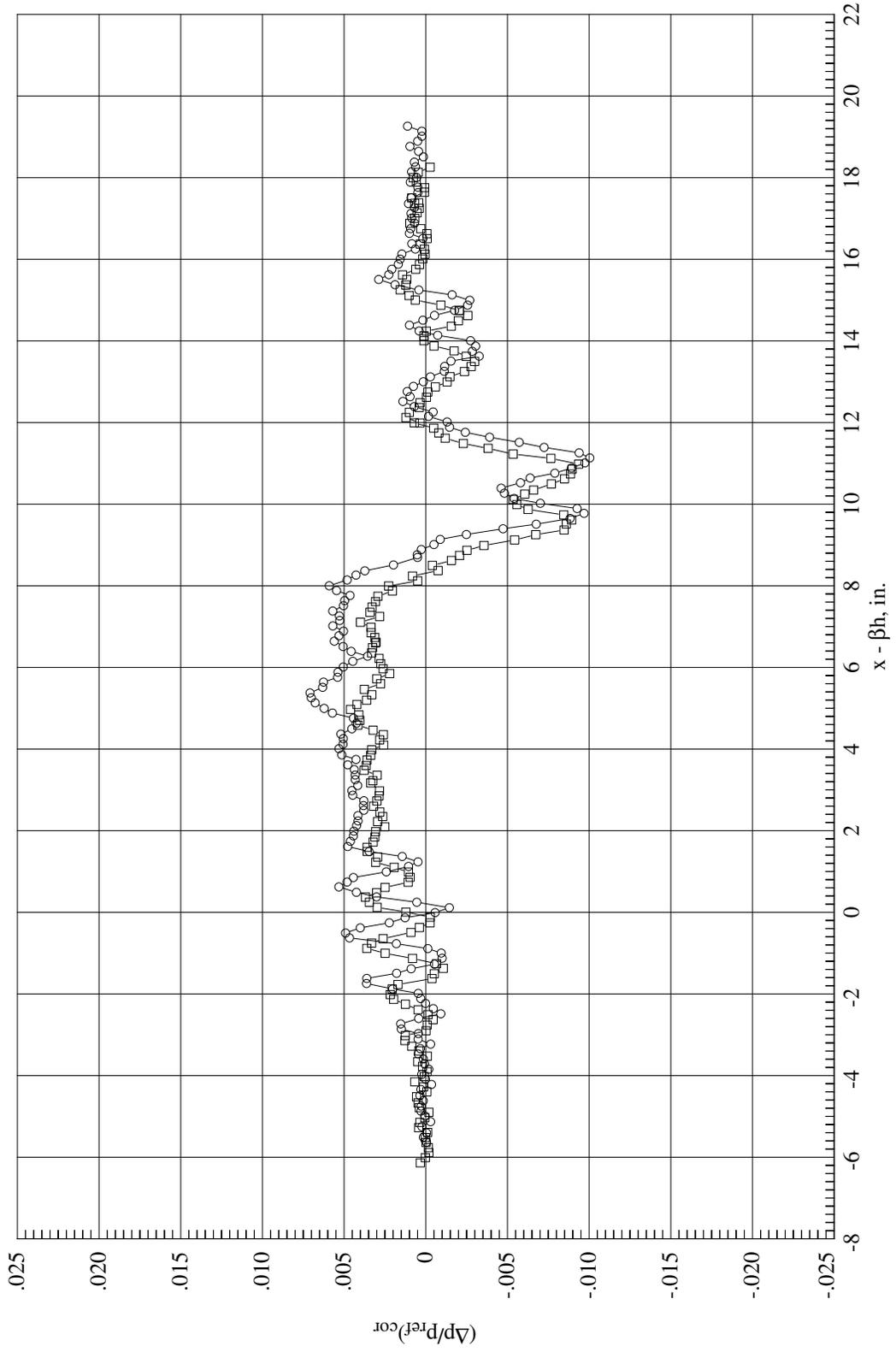
run	M	h/L	C_N	C_m	α , deg.	xsppos, in.
150	1.60	1.68	0.021	0.029	0.23	44.35



(b) Larger than typical p_{ref} variation.

Figure 20. Concluded.

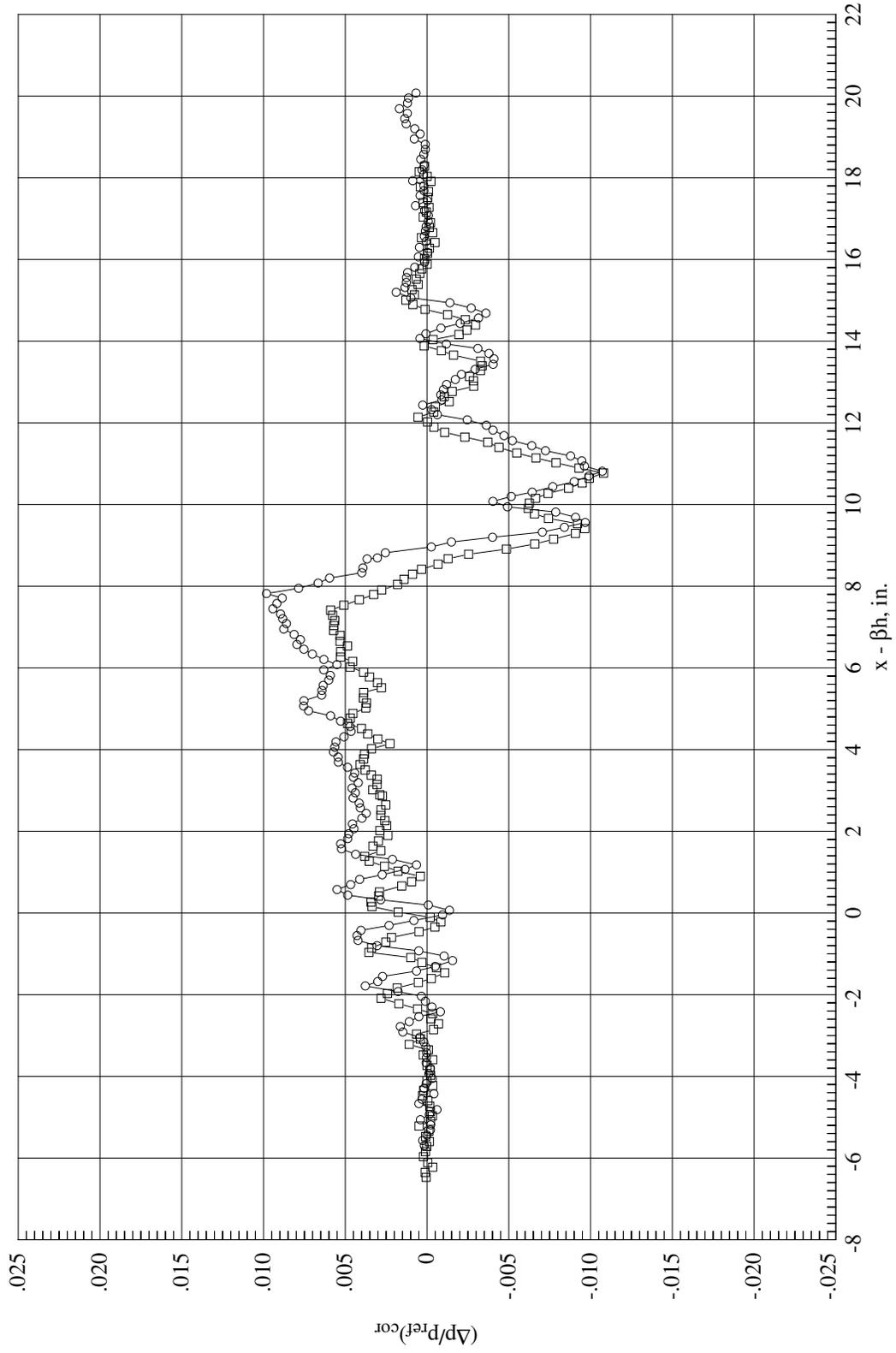
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
○	1.34	1.18	-0.008	0.053	-0.30	39.85
□	1.36	1.67	-0.003	0.043	-0.24	42.35



(a) $\alpha = -0.26^\circ$.

Figure 21. Effect of h/L on sonic boom pressure signatures.

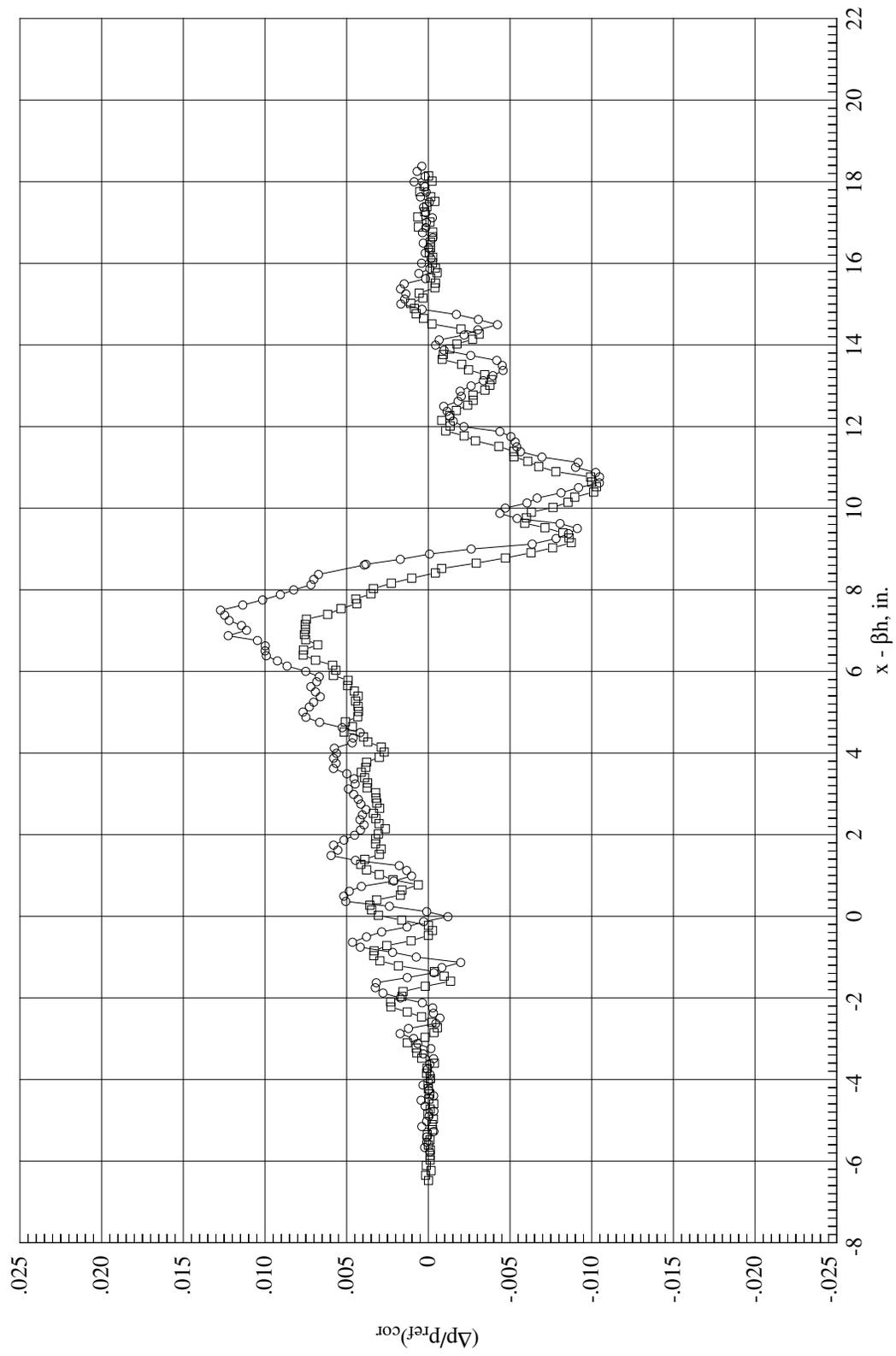
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
133	1.60	1.19	0.021	0.037	0.26	39.85
137	1.60	1.69	0.023	0.029	0.25	42.35



(b) $\alpha = 0.26^\circ$.

Figure 21. Continued.

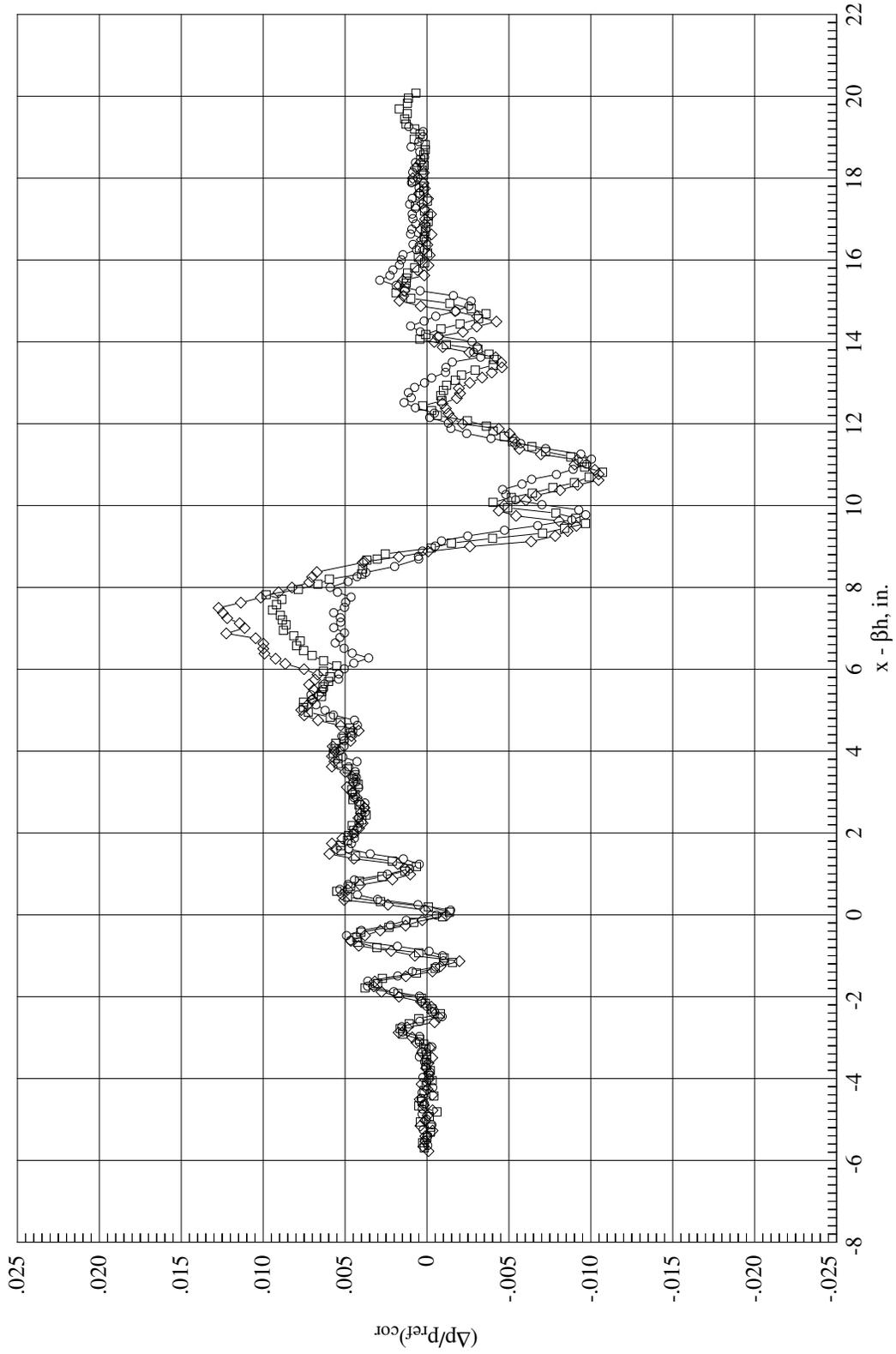
run	M	h/L	C_N	C_m	α , deg.	x _{spos} , in.
135	1.60	1.19	0.043	0.003	0.66	39.85
138	1.60	1.69	0.044	0.001	0.65	42.35



(c) $\alpha = 0.68^\circ$.

Figure 21. Concluded.

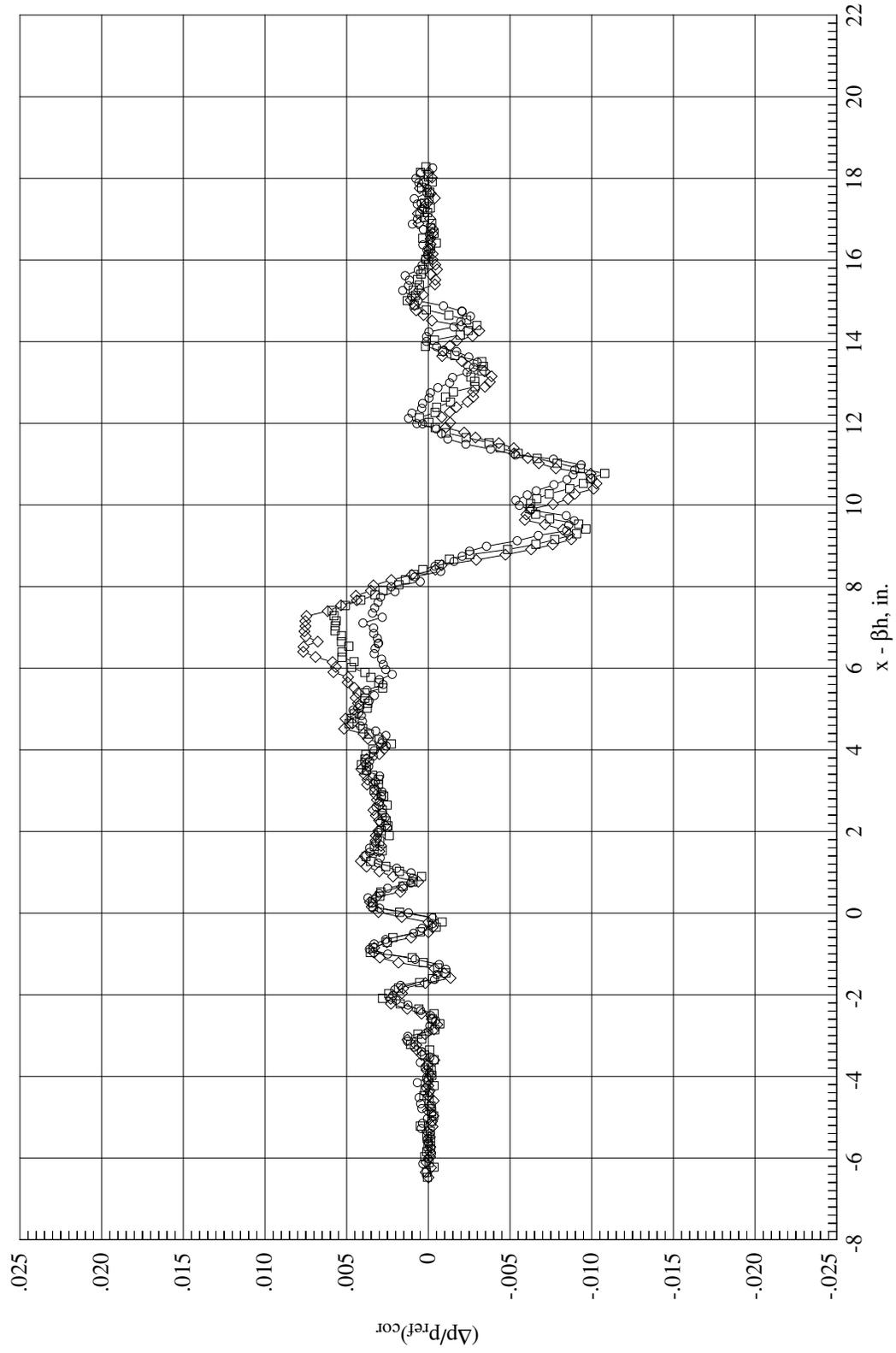
run	M	h/L	C _N	C _m	α, deg.	x _{sppos} , in.
○	1.34	1.18	-0.008	0.053	-0.30	39.85
□	1.33	1.19	0.021	0.037	0.26	39.85
◇	1.35	1.19	0.043	0.003	0.66	39.85



(a) $M = 1.60$ and $h/L = 1.2$.

Figure 22. Effect of angle of attack on sonic boom pressure signatures. Model without boundary layer transition grit.

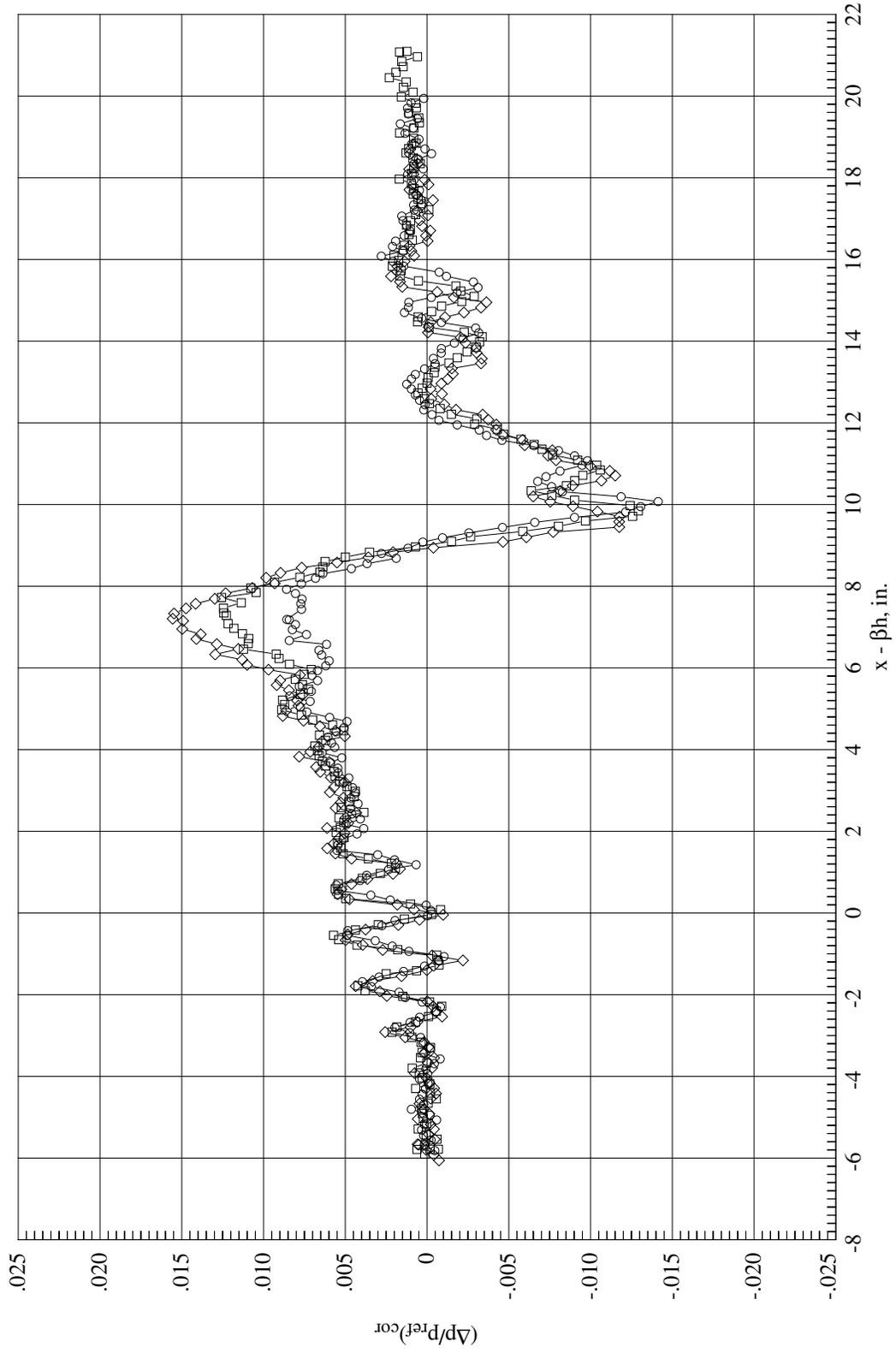
run	M	h/L	C _N	C _m	α, deg.	x _{spos} , in.
136	1.60	1.67	-0.003	0.043	-0.24	42.35
137	1.60	1.69	0.023	0.029	0.25	42.35
138	1.60	1.69	0.044	0.001	0.65	42.35



(b) $M = 1.60$ and $h/L = 1.7$.

Figure 22. Continued.

run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
144	1.80	1.18	-0.016	0.029	-0.25	42.35
142	1.80	1.18	0.009	0.007	0.28	42.35
143	1.80	1.19	0.025	0.002	0.63	42.35



(c) $M = 1.80$ and $h/L = 1.2$.

Figure 22. Concluded.

run	M	h/L	C _N	C _m	α, deg.	x _{sppos} , in.
196	1.60	1.67	0.007	0.031	-0.24	42.35
197	1.60	1.69	0.035	0.011	0.30	42.35
198	1.60	1.69	0.049	0.009	0.66	42.35

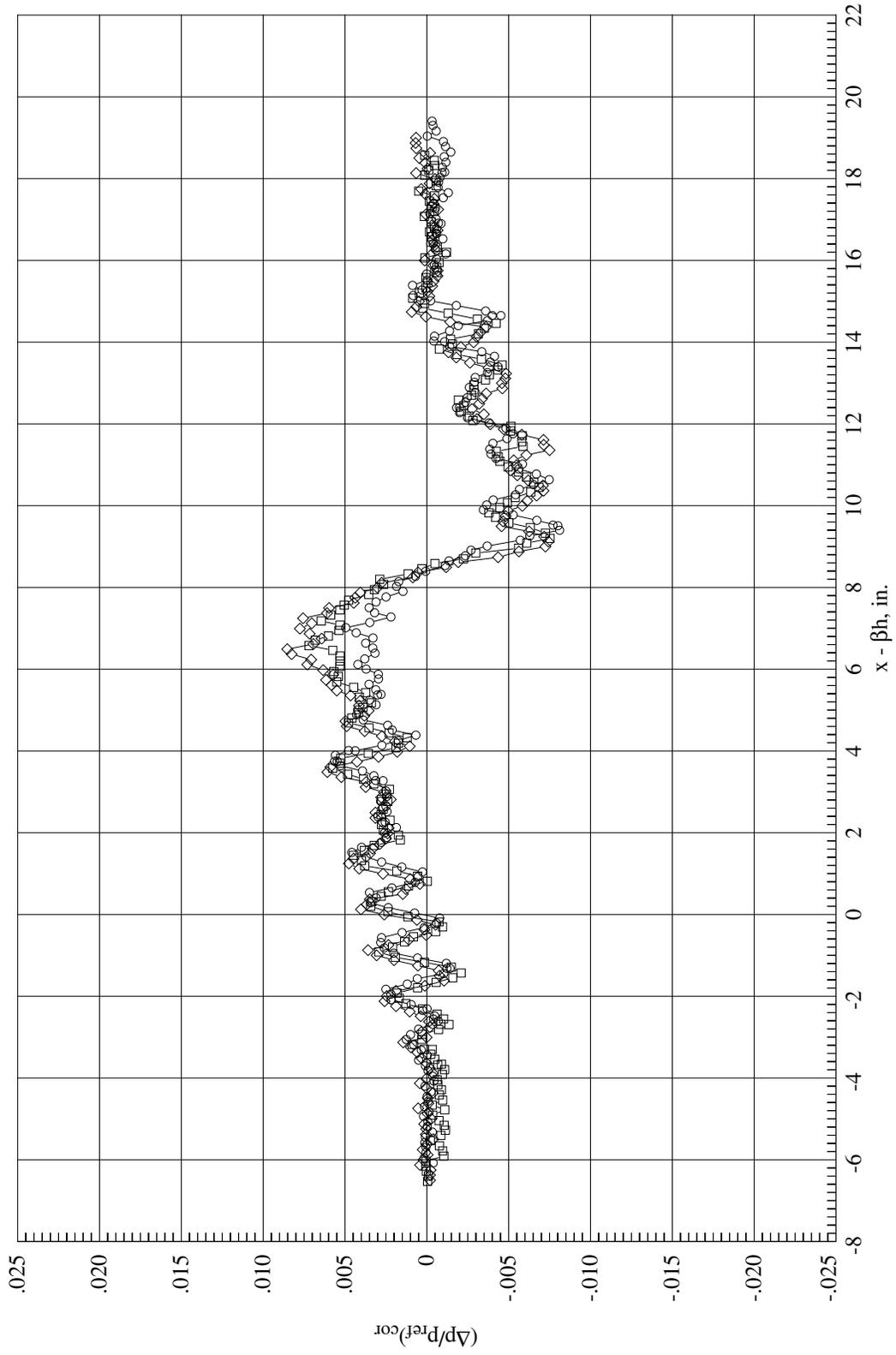


Figure 23. Effect of angle of attack on sonic boom pressure signatures. Model with boundary layer transition grit.

run	M	h/L	C _N	C _m	α deg.	x _{spos} , in.
148	1.60	1.68	0.021	0.031	0.24	40.35
149	1.60	1.68	0.021	0.032	0.23	42.34
150	1.60	1.68	0.021	0.029	0.23	44.35

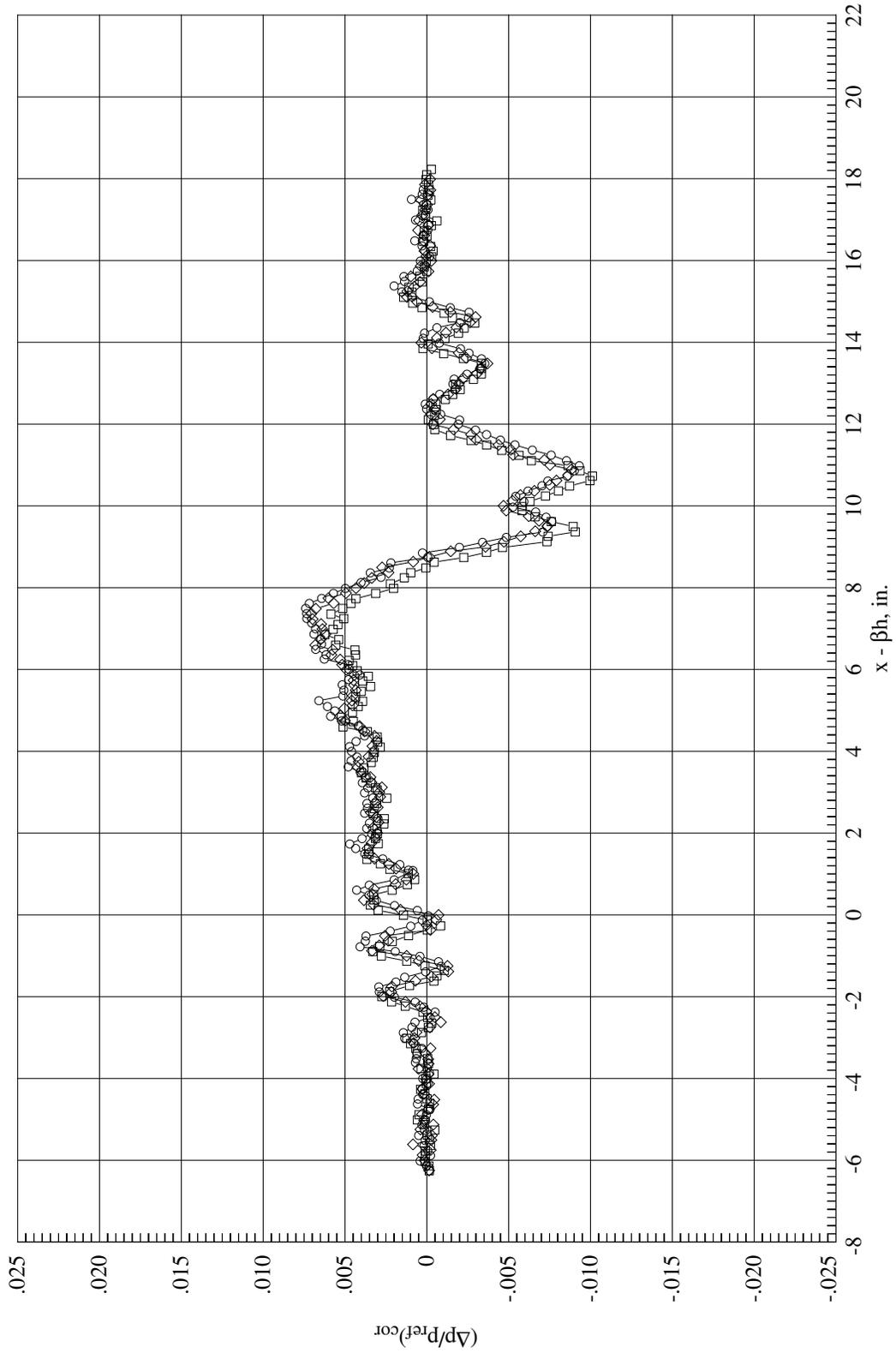
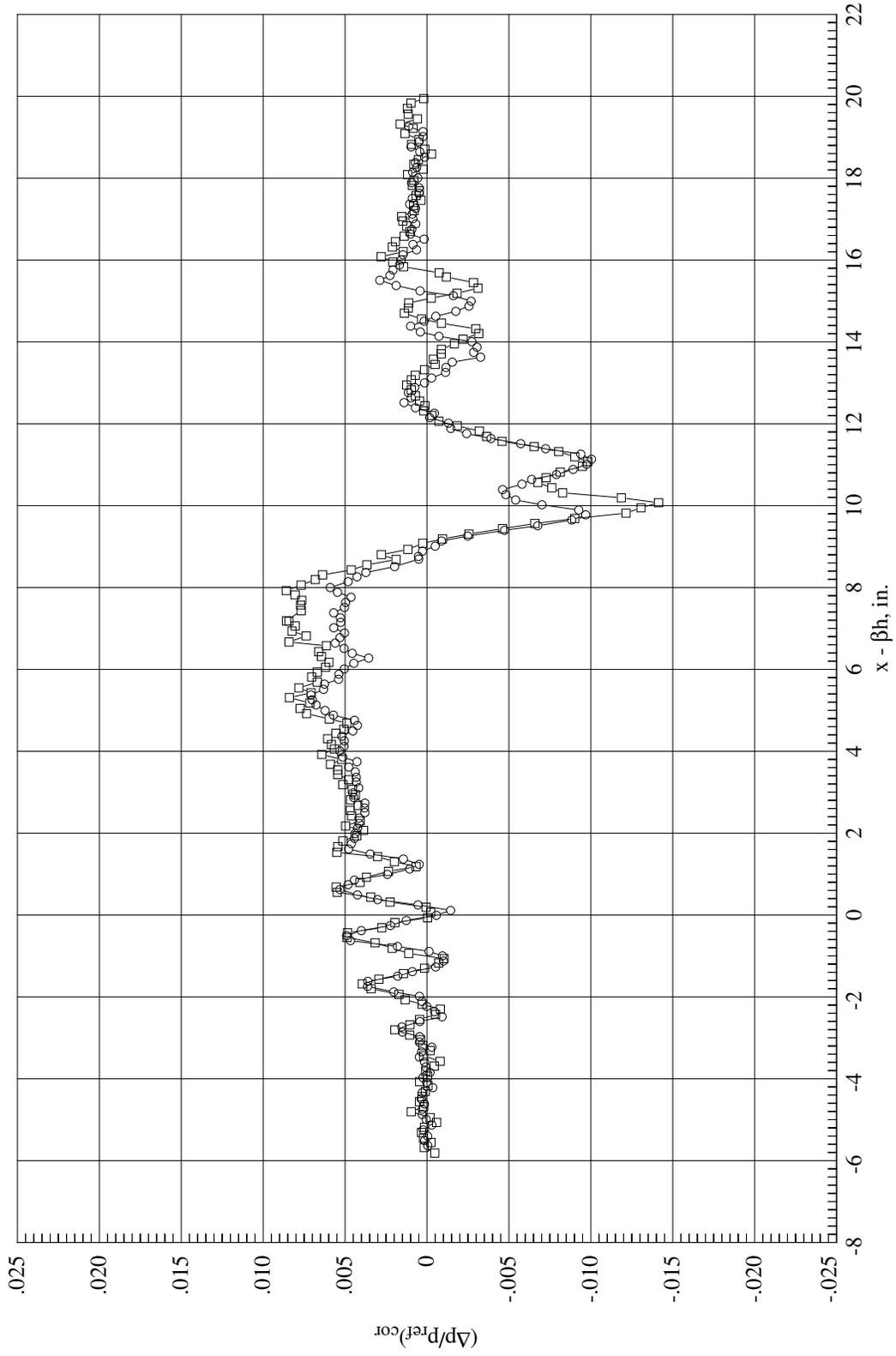


Figure 24. Effect of survey probe position on sonic boom pressure signatures.

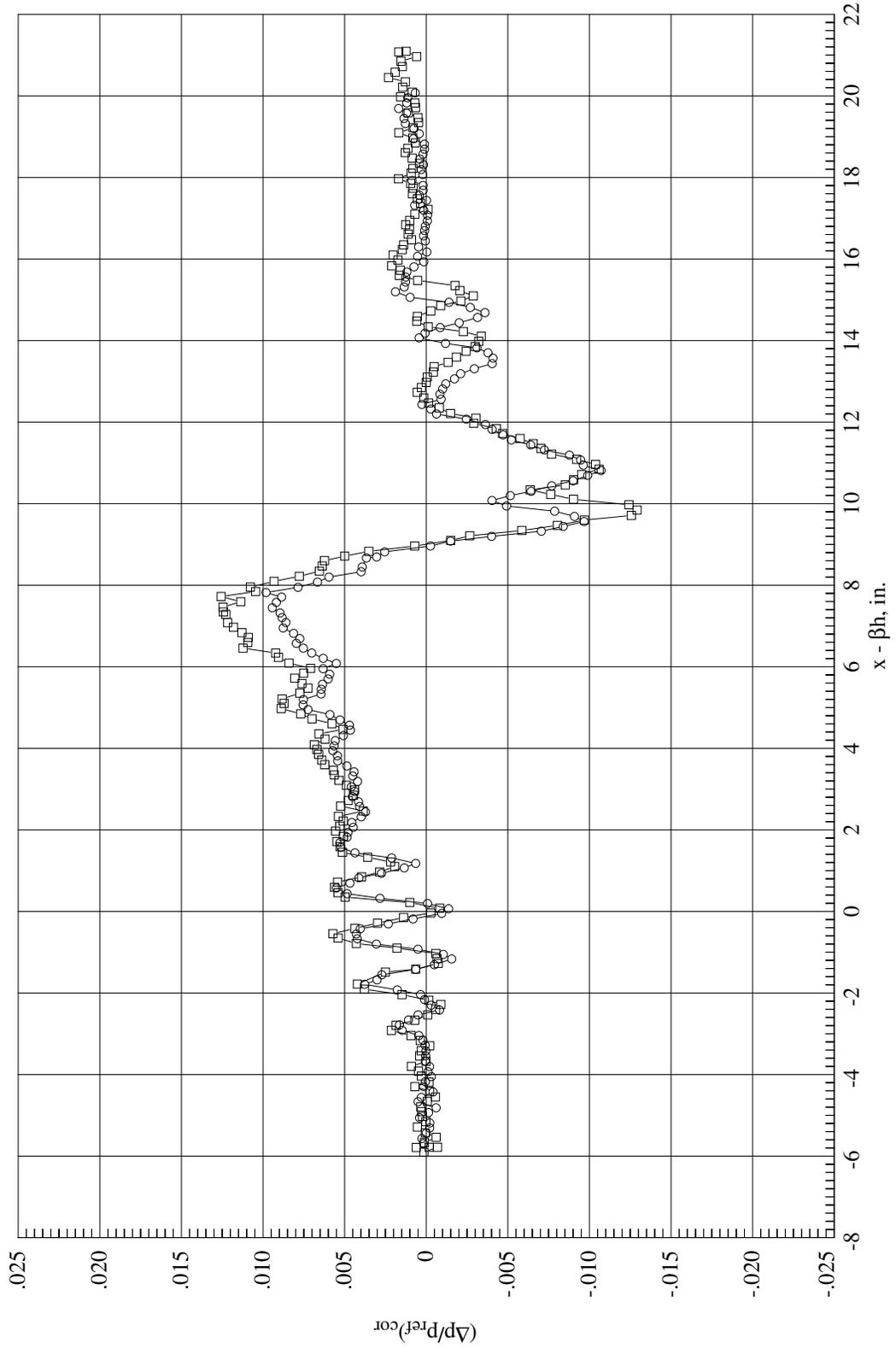
run	M	h/L	C_N	C_m	α , deg.	xsppos, in.
○	1.34	1.18	-0.008	0.053	-0.30	39.85
□	1.44	1.18	-0.016	0.029	-0.25	42.35



(a) $\alpha = -0.26$.

Figure 25. Effect of Mach number on sonic boom pressure signatures.

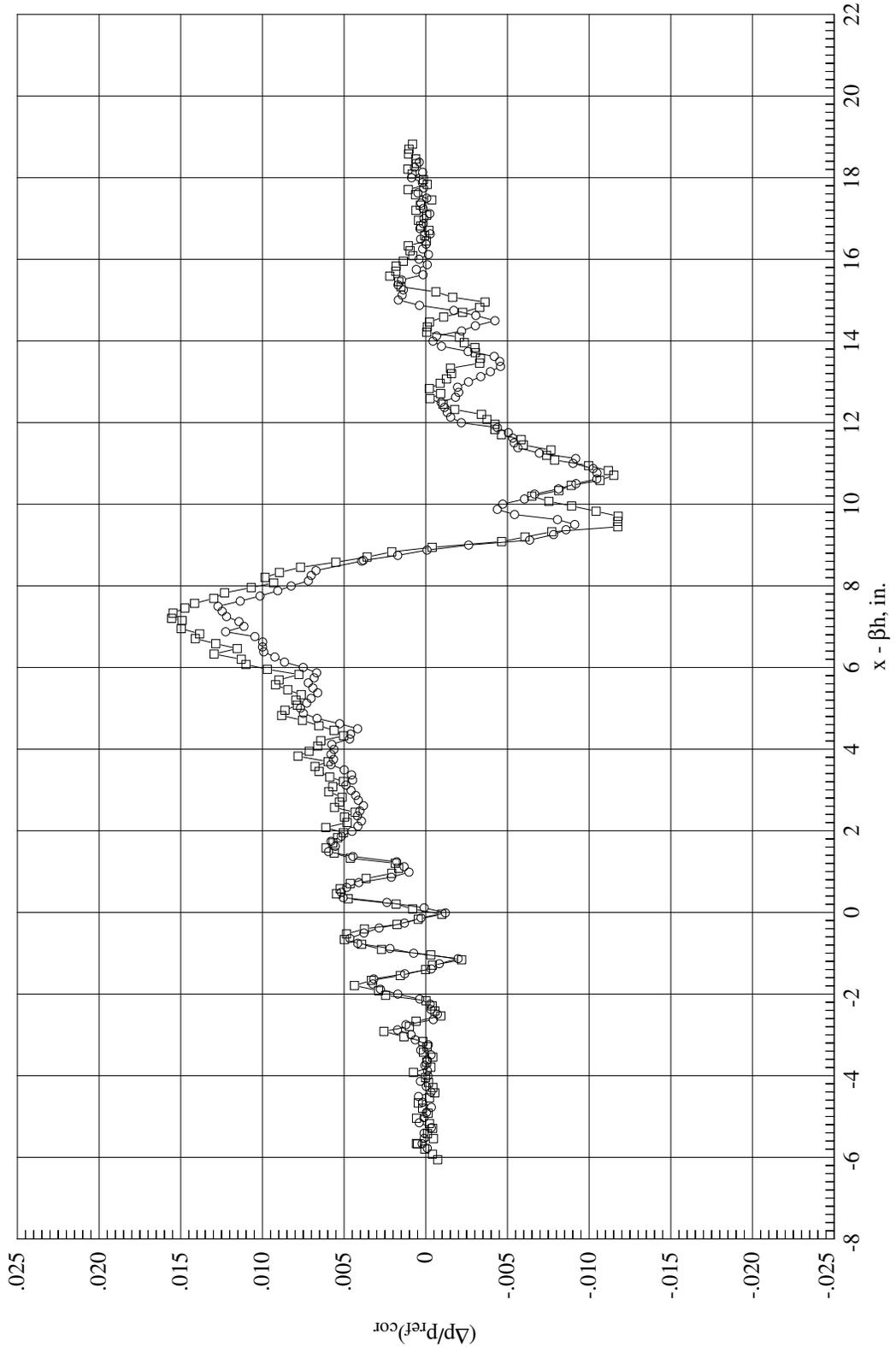
run	M	h/L	C _N	C _m	α, deg.	x _{spos} , in.
○	1.33	1.19	0.021	0.037	0.26	39.85
□	1.42	1.18	0.009	0.007	0.28	42.35



(b) $\alpha = 0.26$.

Figure 25. Continued.

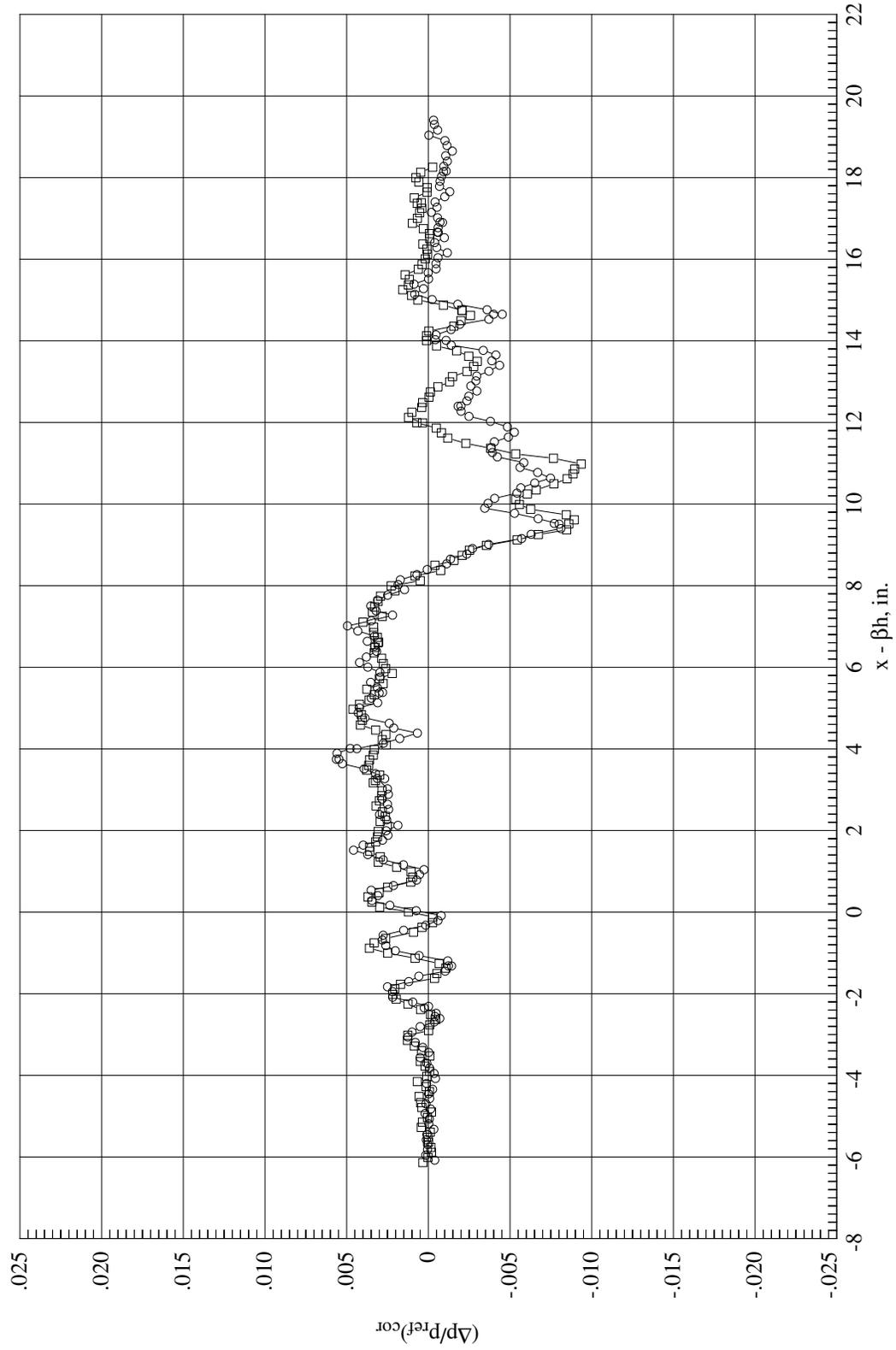
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.
○	1.35	1.19	0.043	0.003	0.66	39.85
□	1.43	1.19	0.025	0.002	0.63	42.35



(c) $\alpha = 0.68$.

Figure 25. Concluded.

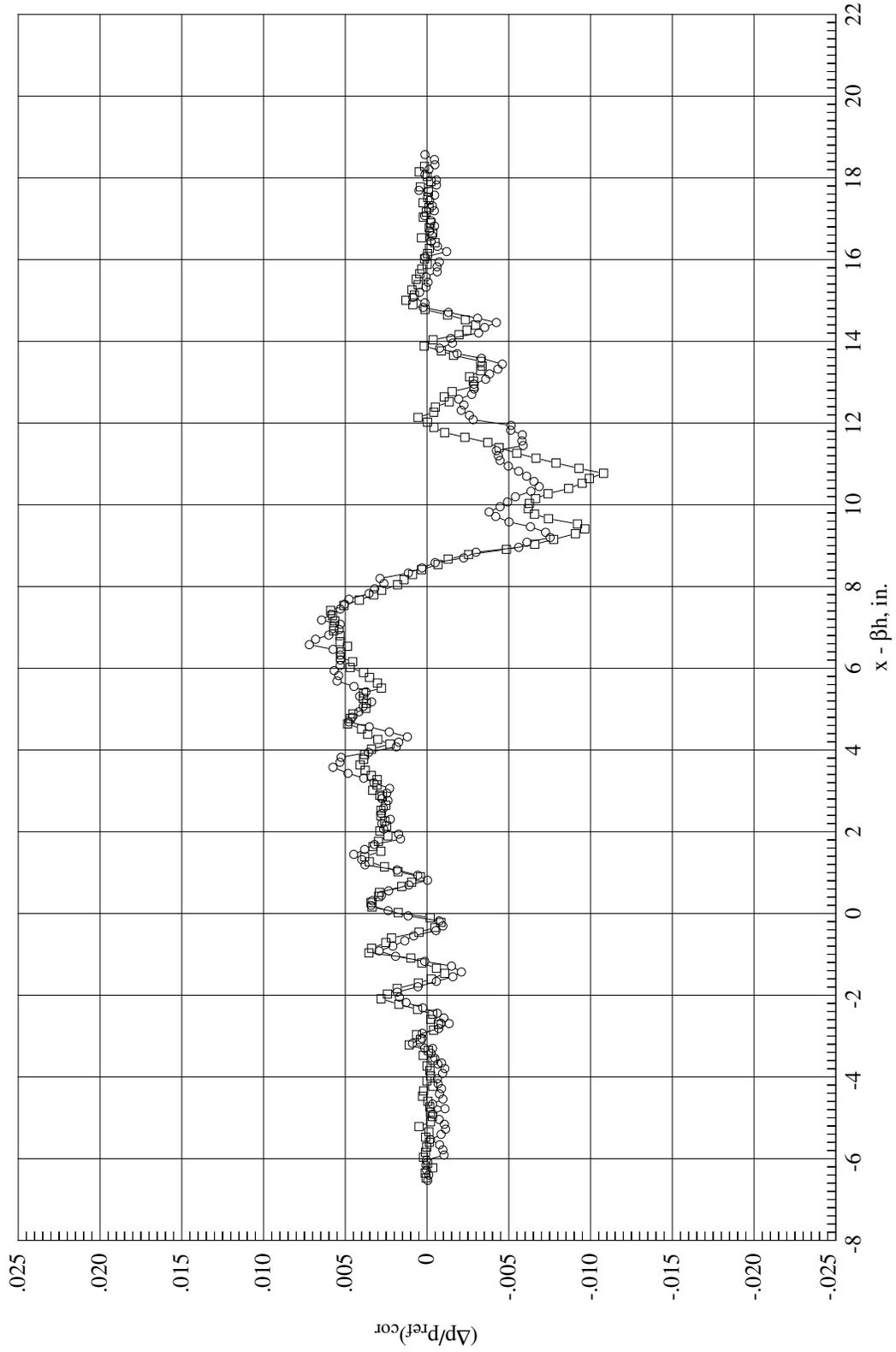
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.	grit on	grit off
196	1.60	1.67	0.007	0.031	-0.24	42.35		
136	1.60	1.67	-0.003	0.043	-0.24	42.35		



(a) $\alpha = -0.26$.

Figure 26. Effect of boundary layer transition grit on sonic boom pressure signatures.

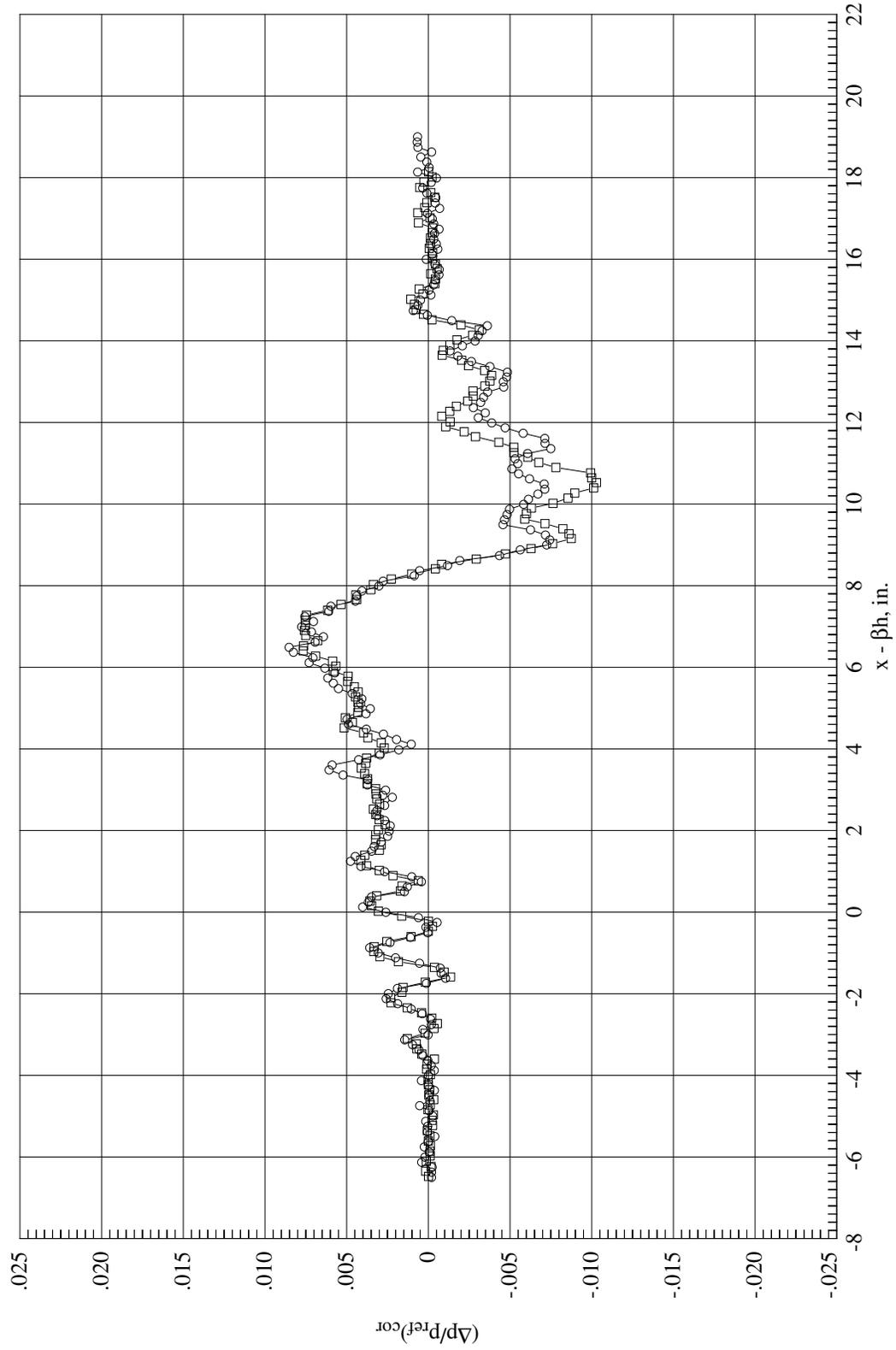
run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.	grit on grit off
197	1.60	1.69	0.035	0.011	0.30	42.35	
137	1.60	1.69	0.023	0.029	0.25	42.35	



(b) $\alpha = 0.26$.

Figure 26. Continued.

run	M	h/L	C _N	C _m	α , deg.	x _{spos} , in.	grit on grit off
198	1.60	1.69	0.049	0.009	0.66	42.35	
138	1.60	1.69	0.044	0.001	0.65	42.35	



(c) $\alpha = 0.68$.

Figure 26. Concluded.

Appendix A

Tabulated Data

The tabulated data from the wind tunnel test is contained in this Appendix. A run log is presented below in Table A1 that shows the run number followed by the table number in parentheses for the corresponding model h/L (model nose to survey probe separation distance parameter) and angles of attack investigated. The angles of attack shown in the table are the nominal values. Although all of the runs obtained at $M = 1.60$ and $\alpha = 0.26^\circ$ (grit off) appear to be repeat runs, the position of the survey probes ($xsppos$) varied between some of the runs as shown in table A2.

Table A1. Index to tabulated data.

h/L	Run number (table number) @ nominal α of –			Comments
	-0.26°	0.26°	0.68°	
0.5	141 ¹ (A11)	140 ¹ (A10)	139 ¹ (A9)	$M = 1.60$; grit off
1.2	134 (A4)	133 (A3)	135 (A5)	
1.7	136(A6)	137 (A7), 148 (A15), 149 (A16), 150 (A17) 160 (A18), 201 ² (A22), 202 ² (A23), 203 ² (A24)	138 (A8)	
1.2	144 (A14)	142 (A12)	143 (A13)	$M = 1.80$; grit off
1.7	196 ² (A19)	197 ² (A20)	198 ² (A21)	$M = 1.60$; grit on

⁽¹⁾ Entire sonic boom signature not measured; signature starts near wing leading edge.

⁽²⁾ Reference probe slightly bent and repaired before runs 196–198 and 201–203.

Table A2. Survey probe position ($xsppos$) variation.

Run	$xsppos$ (in.)
137	42.3
148	40.3
149	42.3
150	44.3
160	42.3
201	42.3
202	42.3
203	42.3

The nomenclature used in the following data tables (A3 – A24) is defined below in the order that they appear in the data tables.

Run	Run number
M	Mach number
xsppos	longitudinal distance from sidewall door leading edge to survey probes (see figure 4b), in.
point	point number
p0	free-stream stagnation pressure, psfa
t0	free-stream stagnation temperature, °F
rnft	free-stream unit Reynolds number $\times 10^{-6}$, per ft
alpha	angle of attack, deg
cnmrc	normal force coefficient
cmmrc	pitching moment coefficient (at location 10.763 in. aft of model nose)
x	longitudinal distance from center pair of four orifices in survey probe to model nose measured parallel to tunnel sidewall (see figure 4a), in.
h/L	distance from model nose to on-track (centerline) survey probe measured perpendicular to tunnel sidewall divided by reference length (13.20 in.)
xhbeta	model nose position parameter, $x - \beta h$, inches; where h is the distance from model nose to on-track (centerline) survey probe measured perpendicular to tunnel sidewall and $\beta = \sqrt{M^2 - 1}$
pref	measured reference probe pressure, psia
dp01	measured differential pressure between survey probe 1 (off-track) and reference probe (see figure 8), psia
dp02	measured differential pressure between survey probe 2 (on-track) and reference probe (see figure 8), psia
dp03	measured differential pressure between survey probe 3 (off-track) and reference probe (see figure 8), psia
dpp01	dp01/pref
dpp02	dp02/pref
dpp03	dp03/pref
dpp01c	dpp01 - (dpp01) _{average of first five points}
dpp02c	dpp02 - (dpp02) _{average of first five points}
dpp03c	dpp03 - (dpp03) _{average of first five points}

The model reference area and chord used to compute normal force and pitching moment coefficients were 0.060 ft² and 2.1029 in., respectively.

Table A3. Run 133.

Run = 133
M = 1.60
xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7327	1887.55	124.3	3.51	0.27	0.0252	0.0432	13.86	1.186	-5.694	3.1369	0.00383	-0.01952	-0.03305	0.00122	-0.00622	-0.01053	-0.00002	0.00016	-0.00012
7328	1887.55	124.4	3.50	0.27	0.0265	0.0347	13.99	1.186	-5.569	3.1360	0.00486	-0.01920	-0.03230	0.00155	-0.00612	-0.01030	0.00031	0.00026	0.00012
7329	1887.84	124.3	3.51	0.26	0.0248	0.0365	14.11	1.186	-5.437	3.1365	0.00345	-0.02002	-0.03182	0.00110	-0.00638	-0.01015	-0.00014	0.00000	0.00027
7330	1887.26	124.3	3.50	0.26	0.0231	0.0356	14.24	1.186	-5.311	3.1359	0.00450	-0.02068	-0.03144	0.00144	-0.00660	-0.01003	0.00020	-0.00021	0.00039
7331	1888.27	124.4	3.51	0.26	0.0248	0.0337	14.36	1.186	-5.188	3.1383	0.00282	-0.02073	-0.03480	0.00090	-0.00661	-0.01109	-0.00034	-0.00022	-0.00067
7332	1888.13	124.2	3.51	0.26	0.0234	0.0329	14.49	1.186	-5.062	3.1376	0.00426	-0.01877	-0.03254	0.00136	-0.00598	-0.01037	0.00012	0.00040	0.00005
7333	1887.84	124.1	3.51	0.26	0.0214	0.0402	14.61	1.185	-4.933	3.1372	0.00416	-0.02047	-0.03279	0.00132	-0.00653	-0.01045	0.00008	-0.00014	-0.00003
7334	1887.98	124.2	3.51	0.26	0.0234	0.0376	14.74	1.186	-4.816	3.1384	0.00477	-0.02194	-0.03387	0.00152	-0.00699	-0.01079	0.00028	-0.00061	-0.00037
7335	1887.70	124.2	3.51	0.24	0.0173	0.0454	14.86	1.185	-4.668	3.1355	0.00520	-0.01846	-0.03202	0.00166	-0.00589	-0.01021	0.00042	0.00050	0.00021
7336	1887.98	124.2	3.51	0.26	0.0234	0.0367	14.99	1.186	-4.562	3.1366	0.00464	-0.01908	-0.03172	0.00148	-0.00608	-0.01011	0.00024	0.00030	0.00031
7337	1887.70	124.2	3.51	0.25	0.0204	0.0396	15.11	1.185	-4.428	3.1383	0.00293	-0.02135	-0.03328	0.00093	-0.00680	-0.01061	-0.00031	-0.00042	-0.00019
7338	1887.84	124.4	3.51	0.25	0.0169	0.0443	15.24	1.185	-4.295	3.1369	0.00403	-0.01949	-0.03387	0.00128	-0.00621	-0.01080	0.00004	0.00017	-0.00038
7339	1887.55	124.4	3.50	0.26	0.0186	0.0406	15.36	1.185	-4.179	3.1362	0.00432	-0.01985	-0.03205	0.00138	-0.00633	-0.01022	0.00014	0.00006	0.00020
7340	1887.84	124.3	3.51	0.26	0.0169	0.0405	15.49	1.185	-4.052	3.1368	0.00448	-0.02102	-0.03372	0.00143	-0.00670	-0.01075	0.00019	-0.00031	-0.00033
7341	1887.55	124.4	3.50	0.26	0.0183	0.0339	15.61	1.185	-3.933	3.1368	0.00485	-0.02038	-0.03289	0.00155	-0.00650	-0.01049	0.00031	-0.00011	-0.00007
7342	1887.70	124.4	3.50	0.26	0.0186	0.0340	15.74	1.185	-3.805	3.1373	0.00323	-0.02068	-0.03342	0.00103	-0.00659	-0.01065	-0.00021	-0.00021	-0.00023
7343	1887.26	124.3	3.50	0.25	0.0152	0.0378	15.86	1.185	-3.670	3.1355	0.00493	-0.01985	-0.03155	0.00157	-0.00633	-0.01006	0.00033	0.00006	0.00036
7344	1888.13	124.2	3.51	0.24	0.0159	0.0362	15.99	1.184	-3.537	3.1371	0.00420	-0.01993	-0.03200	0.00134	-0.00635	-0.01020	0.00010	0.00003	0.00022
7345	1887.55	124.1	3.51	0.25	0.0183	0.0311	16.11	1.185	-3.422	3.1371	0.00428	-0.01995	-0.03459	0.00136	-0.00636	-0.01103	0.00012	0.00003	-0.00061
7346	1887.41	124.0	3.51	0.23	0.0142	0.0363	16.24	1.184	-3.281	3.1374	0.00303	-0.01982	-0.03369	0.00097	-0.00632	-0.01074	-0.00028	0.00007	-0.00032
7347	1887.84	124.1	3.51	0.23	0.0145	0.0346	16.36	1.184	-3.156	3.1376	0.00413	-0.01942	-0.03447	0.00132	-0.00619	-0.01099	0.00007	0.00020	-0.00057
7348	1888.13	124.1	3.51	0.25	0.0149	0.0375	16.49	1.185	-3.043	3.1384	0.00432	-0.01863	-0.03439	0.00139	-0.00594	-0.01096	0.00015	0.00045	-0.00034
7349	1887.41	124.2	3.51	0.24	0.0149	0.0376	16.61	1.184	-2.914	3.1368	0.00392	-0.01539	-0.03382	0.00125	-0.00491	-0.01078	0.00001	0.00148	-0.00036
7350	1887.84	124.3	3.51	0.23	0.0135	0.0424	16.74	1.184	-2.780	3.1364	0.00527	-0.01489	-0.03168	0.00168	-0.00475	-0.01010	0.00044	0.00164	0.00032
7351	1887.70	124.1	3.51	0.24	0.0162	0.0374	16.86	1.184	-2.663	3.1365	0.00836	-0.01662	-0.03246	0.00267	-0.00530	-0.01035	0.00143	0.00109	0.00007
7352	1887.26	124.0	3.51	0.24	0.0166	0.0422	16.99	1.184	-2.539	3.1362	0.00944	-0.01846	-0.03344	0.00301	-0.00589	-0.01066	0.00177	0.00050	-0.00024
7353	1887.26	124.0	3.51	0.24	0.0169	0.0396	17.11	1.185	-2.418	3.1363	0.00574	-0.02259	-0.03251	0.00183	-0.00720	-0.01037	0.00059	-0.00082	0.00005
7354	1887.70	123.9	3.51	0.25	0.0162	0.0402	17.24	1.185	-2.301	3.1371	0.00385	-0.02098	-0.03318	0.00123	-0.00669	-0.01058	-0.00001	-0.00030	-0.00016
7355	1888.27	123.9	3.51	0.24	0.0142	0.0446	17.36	1.184	-2.163	3.1383	0.00164	-0.01972	-0.03319	0.00052	-0.00628	-0.01058	-0.00072	0.00010	-0.00016
7356	1887.98	124.0	3.51	0.24	0.0159	0.0418	17.49	1.184	-2.039	3.1388	0.00084	-0.01896	-0.03378	0.00027	-0.00604	-0.01076	-0.00097	0.00035	-0.00034
7357	1888.13	124.0	3.51	0.24	0.0207	0.0324	17.61	1.185	-1.925	3.1384	0.00289	-0.01449	-0.03394	0.00092	-0.00462	-0.01081	-0.00032	0.00177	-0.00039
7358	1887.98	123.9	3.51	0.24	0.0162	0.0383	17.74	1.184	-1.787	3.1371	0.00689	-0.00819	-0.03366	0.00220	-0.00261	-0.01073	0.00095	0.00378	-0.00031
7359	1888.42	123.9	3.51	0.26	0.0155	0.0407	17.86	1.185	-1.679	3.1381	0.01003	-0.01059	-0.03516	0.00320	-0.00337	-0.01120	0.00196	0.00301	-0.00078
7360	1888.42	124.0	3.51	0.25	0.0217	0.0348	17.99	1.185	-1.554	3.1385	0.01360	-0.01150	-0.03244	0.00433	-0.00367	-0.01034	0.00309	0.00272	0.00008
7361	1887.98	124.2	3.51	0.25	0.0200	0.0320	18.11	1.185	-1.423	3.1380	0.01338	-0.01801	-0.02892	0.00426	-0.00574	-0.00922	0.00302	0.00065	0.00120
7362	1888.13	124.1	3.51	0.26	0.0221	0.0313	18.24	1.185	-1.308	3.1378	0.01275	-0.02161	-0.02866	0.00406	-0.00689	-0.00913	0.00282	-0.00050	0.00129
7363	1888.42	124.0	3.51	0.24	0.0204	0.0312	18.36	1.185	-1.167	3.1385	0.00720	-0.02494	-0.03194	0.00229	-0.00795	-0.01018	0.00105	-0.00156	0.00024
7364	1887.98	124.1	3.51	0.25	0.0204	0.0313	18.49	1.185	-1.054	3.1380	0.00220	-0.02331	-0.03477	0.00070	-0.00743	-0.01108	-0.00054	-0.00104	-0.00066
7365	1888.56	124.1	3.51	0.25	0.0231	0.0318	18.61	1.185	-0.929	3.1386	0.00059	-0.01846	-0.03530	0.00019	-0.00588	-0.01125	-0.00105	0.00050	-0.00083
7366	1887.70	124.3	3.51	0.25	0.0214	0.0309	18.74	1.185	-0.803	3.1375	-0.00025	-0.01045	-0.03513	-0.00008	-0.00333	-0.01120	-0.00132	0.00305	-0.00078
7367	1888.13	124.2	3.51	0.24	0.0217	0.0311	18.86	1.185	-0.673	3.1393	-0.00021	-0.00679	-0.03600	-0.00007	-0.00216	-0.01147	-0.00131	0.00422	-0.00105
7368	1887.84	124.4	3.50	0.25	0.0248	0.0272	18.99	1.185	-0.555	3.1383	0.01089	-0.00661	-0.03204	0.00347	-0.00211	-0.01021	0.00223	0.00428	0.00021
7369	1887.70	124.4	3.50	0.24	0.0231	0.0337	19.11	1.185	-0.425	3.1376	0.01714	-0.00736	-0.03099	0.00546	-0.00235	-0.00988	0.00422	0.00404	0.00054
7370	1887.84	124.3	3.51	0.25	0.0241	0.0305	19.24	1.185	-0.306	3.1384	0.01597	-0.01276	-0.02527	0.00509	-0.00406	-0.00805	0.00385	0.00232	0.00237
7371	1887.70	124.4	3.50	0.26	0.0228	0.0335	19.36	1.186	-0.185	3.1373	0.01431	-0.01752	-0.02598	0.00456	-0.00558	-0.00828	0.00332	0.00080	0.00214
7372	1887.70	124.4	3.50	0.25	0.0224	0.0324	19.49	1.185	-0.049	3.1367	0.01010	-0.02299	-0.02682	0.00322	-0.00733	-0.00855	0.00198	-0.00094	0.00187
7373	1888.27	124.3	3.51	0.26	0.0259	0.0277	19.61	1.186	0.064	3.1388	0.00778	-0.02435	-0.03125	0.00248	-0.00776	-0.00995	0.00124	-0.00137	0.00046
7374	1888.13	124.2	3.51	0.25	0.0248	0.0318	19.74	1.185	0.194	3.1375	0.00260	-0.02029	-0.03381	0.00083	-0.00647	-0.01077	-0.00041	-0.00008	-0.00036
7375	1887.98	124.3	3.51	0.25	0.0231	0.0337	19.86	1.185	0.322	3.1372	-0.00139	-0.01113	-0.03662	-0.00044	-0.00355	-0.01167	-0.00168	0.00284	-0.00125
7376	1887.98	124.3	3.51	0.26	0.0259	0.0296	19.99	1.186	0.436	3.1378	0.00210	-0.00482	-0.03645	0.00067	-0.00154	-0.01162	-0.00057	0.00485	-0.00120
7377	1888.42	124.3	3.51	0.25	0.0231	0.0300	20.11	1.185	0.574	3.1380	0.01214	-0.00276	-0.03181	0.00387	-0.00088	-0.01014	0.00263	0.00551	0.00028
7378	1888.13	124.3	3.51	0.25	0.0245	0.0307	20.24	1.185	0.695	3.1384	0.01624	-0.00538	-0.02435	0.00517	-0.00171	-0.00776	0.00393	0.00467	0.00266
7379	1888.13	124.3	3.51	0.25	0.0241	0.0296	20.36	1.185	0.822	3.1374	0.01861	-0.00711	-0.02262	0.00593	-0.00227	-0.00721	0.00469	0.00412	0.00321
7380	1887.98	124.5	3.50	0.26	0.0255	0.0257	20.49	1.186	0.936	3.1373	0.01753	-0.01144	-0.02118	0.0055					

Table A3. Continued.

Run = 133
M = 1.60
xspos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7400	1887.84	123.9	3.51	0.28	0.0235	0.0320	22.99	1.187	3.423	3.1382	0.01645	-0.00617	-0.02159	0.00524	-0.00197	-0.00688	0.00400	0.00442	0.00354
7401	1888.27	123.9	3.51	0.25	0.0234	0.0329	23.11	1.185	3.566	3.1376	0.01490	-0.00479	-0.02210	0.00475	-0.00153	-0.00704	0.00351	0.00486	0.00338
7402	1887.84	124.2	3.51	0.25	0.0241	0.0315	23.24	1.185	3.692	3.1378	0.01538	-0.00302	-0.02216	0.00490	-0.00096	-0.00706	0.00366	0.00542	0.00336
7403	1887.70	124.3	3.51	0.25	0.0241	0.0305	23.36	1.186	3.816	3.1370	0.01734	-0.00297	-0.02240	0.00553	-0.00095	-0.00714	0.00429	0.00544	0.00328
7404	1887.70	124.3	3.51	0.25	0.0221	0.0350	23.49	1.185	3.943	3.1377	0.01849	-0.00210	-0.02333	0.00589	-0.00067	-0.00743	0.00465	0.00572	0.00299
7405	1888.13	124.4	3.51	0.27	0.0259	0.0287	23.61	1.186	4.057	3.1382	0.01849	-0.00232	-0.02293	0.00589	-0.00074	-0.00731	0.00465	0.00565	0.00311
7406	1887.84	124.4	3.50	0.26	0.0221	0.0303	23.74	1.186	4.187	3.1377	0.02003	-0.00256	-0.02257	0.00638	-0.00082	-0.00719	0.00514	0.00557	0.00323
7407	1888.13	124.4	3.51	0.26	0.0235	0.0283	23.86	1.186	4.311	3.1385	0.01817	-0.00410	-0.02198	0.00579	-0.00131	-0.00700	0.00455	0.00508	0.00341
7408	1887.98	124.3	3.51	0.25	0.0197	0.0346	23.99	1.185	4.447	3.1376	0.01834	-0.00546	-0.02201	0.00584	-0.00174	-0.00701	0.00460	0.00465	0.00341
7409	1887.98	124.1	3.51	0.26	0.0228	0.0326	24.11	1.185	4.567	3.1375	0.01628	-0.00527	-0.02012	0.00519	-0.00168	-0.00641	0.00395	0.00471	0.00401
7410	1888.42	124.1	3.51	0.26	0.0200	0.0366	24.24	1.185	4.697	3.1396	0.01548	-0.00346	-0.02383	0.00493	-0.00110	-0.00759	0.00369	0.00528	0.00283
7411	1887.41	124.2	3.51	0.24	0.0200	0.0367	24.36	1.185	4.828	3.1368	0.01511	-0.00152	-0.02260	0.00482	-0.00048	-0.00721	0.00358	0.00590	0.00321
7412	1888.13	124.2	3.51	0.25	0.0200	0.0394	24.49	1.185	4.951	3.1382	0.01608	-0.00269	-0.02051	0.00512	-0.00086	-0.00653	0.00388	0.00724	0.00388
7413	1888.13	124.2	3.51	0.26	0.0207	0.0352	24.61	1.185	5.065	3.1385	0.02061	0.00364	-0.02041	0.00657	0.00116	-0.00650	0.00532	0.00755	0.00392
7414	1888.13	124.1	3.51	0.25	0.0197	0.0365	24.73	1.185	5.196	3.1376	0.02368	0.00359	-0.01881	0.00755	0.00114	-0.00599	0.00630	0.00753	0.00442
7415	1887.98	124.2	3.51	0.24	0.0173	0.0351	24.86	1.185	5.335	3.1375	0.02388	0.00018	-0.01912	0.00761	0.00006	-0.00609	0.00637	0.00644	0.00432
7416	1888.13	124.2	3.51	0.25	0.0210	0.0316	24.99	1.185	5.447	3.1374	0.02503	0.00014	-0.01872	0.00798	0.00004	-0.00597	0.00674	0.00643	0.00445
7417	1887.70	124.4	3.50	0.26	0.0180	0.0355	25.11	1.185	5.571	3.1382	0.02081	-0.00011	-0.02012	0.00663	-0.00003	-0.00641	0.00539	0.00635	0.00401
7418	1887.84	124.3	3.51	0.24	0.0204	0.0331	25.24	1.185	5.702	3.1380	0.02166	-0.00118	-0.02011	0.00690	-0.00038	-0.00641	0.00566	0.00601	0.00401
7419	1887.84	124.5	3.50	0.26	0.0193	0.0353	25.36	1.186	5.817	3.1380	0.02063	-0.00148	-0.02042	0.00658	-0.00047	-0.00651	0.00533	0.00591	0.00391
7420	1887.84	124.6	3.50	0.25	0.0186	0.0331	25.49	1.185	5.953	3.1366	0.02183	-0.00021	-0.02072	0.00696	-0.00007	-0.00660	0.00572	0.00632	0.00381
7421	1887.98	124.6	3.50	0.24	0.0193	0.0353	25.61	1.185	6.079	3.1382	0.01938	-0.00275	-0.02084	0.00618	-0.00087	-0.00664	0.00493	0.00551	0.00378
7422	1887.84	124.5	3.50	0.24	0.0180	0.0383	25.74	1.185	6.206	3.1377	0.01863	-0.00023	-0.01701	0.00594	-0.00007	-0.00542	0.00470	0.00631	0.00500
7423	1888.13	124.4	3.51	0.24	0.0149	0.0394	25.86	1.184	6.336	3.1380	0.01994	0.00198	-0.01434	0.00636	0.00063	-0.00457	0.00511	0.00702	0.00585
7424	1887.98	124.6	3.50	0.24	0.0197	0.0355	25.99	1.185	6.455	3.1384	0.02005	0.00359	-0.01350	0.00639	0.00114	-0.00430	0.00515	0.00753	0.00612
7425	1888.13	124.5	3.50	0.25	0.0197	0.0365	26.11	1.185	6.575	3.1388	0.02245	0.00494	-0.01363	0.00715	0.00158	-0.00434	0.00591	0.00796	0.00608
7426	1887.70	124.5	3.50	0.26	0.0176	0.0391	26.24	1.186	6.690	3.1382	0.02318	0.00427	-0.01460	0.00739	0.00136	-0.00465	0.00614	0.00775	0.00577
7427	1887.98	124.5	3.50	0.26	0.0200	0.0394	26.36	1.185	6.818	3.1382	0.02571	0.00547	-0.01482	0.00819	0.00174	-0.00472	0.00695	0.00813	0.00570
7428	1887.55	124.7	3.50	0.25	0.0179	0.0439	26.49	1.185	6.949	3.1378	0.02494	0.00746	-0.01474	0.00795	0.00238	-0.00470	0.00671	0.00876	0.00572
7429	1888.13	124.6	3.50	0.24	0.0166	0.0469	26.61	1.185	7.083	3.1385	0.02598	0.00694	-0.01618	0.00828	0.00221	-0.00515	0.00704	0.00860	0.00527
7430	1887.41	124.7	3.50	0.25	0.0162	0.0504	26.73	1.185	7.205	3.1367	0.02645	0.00766	-0.01582	0.00843	0.00244	-0.00504	0.00719	0.00883	0.00538
7431	1887.84	124.6	3.50	0.25	0.0221	0.0415	26.86	1.185	7.319	3.1385	0.02843	0.00806	-0.01848	0.00906	0.00257	-0.00589	0.00782	0.00895	0.00453
7432	1887.84	124.7	3.50	0.26	0.0207	0.0398	26.99	1.185	7.446	3.1378	0.02739	0.00955	-0.01791	0.00873	0.00304	-0.00571	0.00749	0.00943	0.00471
7433	1887.70	124.6	3.50	0.25	0.0176	0.0456	27.11	1.185	7.577	3.1375	0.02598	0.00878	-0.01521	0.00828	0.00280	-0.00485	0.00704	0.00918	0.00557
7434	1887.55	124.6	3.50	0.24	0.0166	0.0450	27.24	1.185	7.708	3.1382	0.02572	0.00777	-0.01715	0.00820	0.00248	-0.00546	0.00695	0.00886	0.00495
7435	1887.84	124.6	3.50	0.25	0.0214	0.0411	27.36	1.185	7.820	3.1381	0.02786	0.01077	-0.01436	0.00888	0.00343	-0.00458	0.00764	0.00982	0.00584
7436	1887.84	124.7	3.50	0.25	0.0190	0.0445	27.49	1.185	7.948	3.1381	0.02791	0.00461	-0.01045	0.00889	0.00147	-0.00333	0.00765	0.00786	0.00709
7437	1887.55	124.7	3.50	0.25	0.0190	0.0408	27.61	1.185	8.077	3.1380	0.02556	0.00087	-0.01340	0.00814	0.00028	-0.00427	0.00690	0.00666	0.00615
7438	1887.84	124.7	3.50	0.25	0.0224	0.0380	27.74	1.185	8.200	3.1378	0.02534	-0.00134	-0.01186	0.00807	-0.00043	-0.00378	0.00683	0.00596	0.00664
7439	1887.70	124.5	3.50	0.25	0.0162	0.0458	27.86	1.185	8.330	3.1389	0.01920	-0.00754	-0.01420	0.00612	-0.00240	-0.00452	0.00488	0.00398	0.00590
7440	1887.70	124.4	3.50	0.25	0.0190	0.0454	27.99	1.185	8.448	3.1390	0.01804	-0.00773	-0.01383	0.00575	-0.00246	-0.00441	0.00450	0.00392	0.00601
7441	1887.98	124.4	3.51	0.25	0.0210	0.0428	28.21	1.185	8.667	3.1383	0.01463	-0.00855	-0.01079	0.00466	-0.00272	-0.00344	0.00342	0.00366	0.00698
7442	1887.84	124.3	3.51	0.26	0.0210	0.0419	28.24	1.185	8.692	3.1386	0.01260	-0.01051	-0.01359	0.00401	-0.00335	-0.00433	0.00277	0.00304	0.00609
7443	1888.13	124.2	3.51	0.25	0.0228	0.0391	28.36	1.185	8.818	3.1383	0.01180	-0.01205	-0.01026	0.00376	-0.00384	-0.00327	0.00252	0.00255	0.00715
7444	1887.98	124.3	3.51	0.24	0.0179	0.0439	28.49	1.184	8.962	3.1386	0.00782	-0.02087	-0.01143	0.00249	-0.00665	-0.00364	0.00125	-0.00026	0.00678
7445	1887.41	124.3	3.50	0.24	0.0193	0.0409	28.61	1.185	9.082	3.1375	0.00517	-0.02471	-0.01085	0.00165	-0.00788	-0.00346	0.00041	-0.00149	0.00696
7446	1887.70	124.1	3.51	0.25	0.0214	0.0383	28.74	1.185	9.197	3.1371	0.00004	-0.03259	-0.01096	0.00001	-0.01039	-0.00349	-0.00123	-0.00400	0.00693
7447	1888.13	124.1	3.51	0.25	0.0197	0.0411	28.86	1.185	9.324	3.1384	-0.00765	-0.04218	-0.01385	-0.00244	-0.01344	-0.00441	-0.00368	-0.00705	0.00601
7448	1887.84	124.1	3.51	0.26	0.0207	0.0398	28.99	1.185	9.443	3.1375	-0.01287	-0.04639	-0.01391	-0.00410	-0.01479	-0.00443	-0.00534	-0.00840	0.00598
7449	1887.98	123.8	3.51	0.27	0.0214	0.0365	29.11	1.186	9.560	3.1389	-0.01888	-0.05042	-0.01899	-0.00602	-0.01606	-0.00605	-0.00726	-0.00968	0.00437
7450	1887.84	123.8	3.51	0.26	0.0231	0.0356	29.24	1.186	9.687	3.1392	-0.02474	-0.04857	-0.02350	-0.00788	-0.01547	-0.00749	-0.00912	-0.00909	0.00293
7451	1887.41	123.9	3.51	0.26	0.0238	0.0359	29.36	1.186	9.815	3.1375	-0.02661	-0.04472	-0.02624	-0.00848	-0.01425	-0.00836	-0.00972	-0.00787	0.00206
7452	1887.98	124.0	3.51	0.26	0.0214	0.0393	29.49	1.185	9.942	3.1386	-0.02895	-0.03549	-0.02904	-0.00923	-0.01131	-0.00925	-0.01047	-0.00492	0.00117
7453	1888.42	123.9	3.51	0.25	0.0197	0.0420	29.61	1.185	10.076	3.1381	-0.02086	-0.03269	-0.03173	-0.00665					

Table A3. Concluded.

Run = 133
M = 1.60
xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7473	1887.98	124.0	3.51	0.27	0.0204	0.0406	32.11	1.186	12.560	3.1390	-0.00073	-0.02290	-0.04292	-0.00023	-0.00730	-0.01367	-0.00147	-0.00091	-0.00325
7474	1887.70	123.8	3.51	0.27	0.0234	0.0395	32.24	1.186	12.683	3.1382	-0.00027	-0.02268	-0.04275	-0.00009	-0.00723	-0.01362	-0.00133	-0.00084	-0.00320
7475	1887.98	123.8	3.51	0.26	0.0210	0.0400	32.36	1.186	12.812	3.1385	0.00208	-0.02319	-0.03938	0.00066	-0.00739	-0.01255	-0.00058	-0.00100	-0.00213
7476	1887.84	123.8	3.51	0.26	0.0224	0.0380	32.49	1.186	12.938	3.1385	0.00360	-0.02379	-0.03843	0.00115	-0.00758	-0.01225	-0.00009	-0.00120	-0.00183
7477	1887.98	123.9	3.51	0.27	0.0228	0.0363	32.61	1.186	13.060	3.1385	0.00265	-0.02548	-0.04010	0.00085	-0.00812	-0.01278	-0.00040	-0.00173	-0.00236
7478	1887.84	123.7	3.51	0.26	0.0210	0.0363	32.73	1.186	13.186	3.1380	0.00204	-0.02664	-0.04116	0.00065	-0.00849	-0.01312	-0.00059	-0.00211	-0.00270
7479	1887.84	123.8	3.51	0.27	0.0214	0.0383	32.86	1.186	13.309	3.1376	-0.00069	-0.02927	-0.04068	-0.00022	-0.00933	-0.01296	-0.00146	-0.00294	-0.00255
7480	1888.27	123.7	3.51	0.27	0.0228	0.0335	32.99	1.186	13.432	3.1391	-0.00403	-0.03273	-0.04206	-0.00128	-0.01043	-0.01340	-0.00252	-0.00404	-0.00298
7481	1887.98	123.8	3.51	0.26	0.0204	0.0396	33.11	1.185	13.567	3.1388	-0.00634	-0.03288	-0.04320	-0.00202	-0.01048	-0.01376	-0.00326	-0.00409	-0.00335
7482	1887.41	124.0	3.51	0.25	0.0214	0.0393	33.24	1.185	13.697	3.1368	-0.00471	-0.03190	-0.04228	-0.00150	-0.01017	-0.01348	-0.00274	-0.00378	-0.00306
7483	1887.84	124.0	3.51	0.25	0.0207	0.0408	33.36	1.185	13.820	3.1385	-0.00746	-0.02978	-0.04193	-0.00238	-0.00949	-0.01336	-0.00362	-0.00310	-0.00294
7484	1887.55	123.9	3.51	0.27	0.0228	0.0372	33.48	1.186	13.929	3.1380	-0.00867	-0.02374	-0.04197	-0.00276	-0.00756	-0.01338	-0.00400	-0.00118	-0.00296
7485	1887.98	124.2	3.51	0.26	0.0210	0.0355	34.36	1.186	14.063	3.1382	-0.00123	-0.01868	-0.04072	-0.00039	-0.00595	-0.01298	-0.00163	0.00043	-0.00256
7486	1887.55	123.9	3.51	0.27	0.0255	0.0322	33.74	1.186	14.178	3.1372	-0.00013	-0.01980	-0.04217	-0.00004	-0.00631	-0.01344	-0.00128	0.00008	-0.00302
7487	1887.26	123.9	3.51	0.26	0.0204	0.0350	33.86	1.186	14.317	3.1381	0.00604	-0.02270	-0.04041	0.00192	-0.00723	-0.01288	0.00068	-0.00085	-0.00246
7488	1888.27	124.0	3.51	0.26	0.0255	0.0285	33.99	1.186	14.434	3.1388	0.00499	-0.02639	-0.04407	0.00159	-0.00841	-0.01404	0.00035	-0.00202	-0.00362
7489	1887.84	124.1	3.51	0.26	0.0200	0.0404	34.11	1.186	14.565	3.1385	0.00261	-0.02992	-0.04185	0.00083	-0.00953	-0.01333	-0.00041	-0.00315	-0.00291
7490	1887.84	124.2	3.51	0.27	0.0190	0.0407	34.24	1.186	14.684	3.1372	-0.00212	-0.03133	-0.04353	-0.00067	-0.00999	-0.01387	-0.00192	-0.00360	-0.00346
7491	1887.98	124.2	3.51	0.27	0.0214	0.0355	34.36	1.186	14.811	3.1389	-0.00548	-0.02851	-0.04558	-0.00174	-0.00908	-0.01452	-0.00299	-0.00270	-0.00410
7492	1887.84	124.1	3.51	0.26	0.0210	0.0391	34.49	1.186	14.938	3.1386	-0.00782	-0.02442	-0.04603	-0.00249	-0.00778	-0.01466	-0.00373	-0.00139	-0.00425
7493	1888.42	124.0	3.51	0.26	0.0214	0.0374	34.61	1.186	15.061	3.1389	-0.00366	-0.01694	-0.04492	-0.00117	-0.00540	-0.01431	-0.00241	0.00099	-0.00389
7494	1887.70	124.0	3.51	0.25	0.0204	0.0378	34.74	1.186	15.196	3.1380	0.00483	-0.01413	-0.04115	0.00154	-0.00450	-0.01311	0.00030	0.00188	-0.00269
7495	1887.55	124.0	3.51	0.26	0.0204	0.0378	34.86	1.186	15.313	3.1377	0.00763	-0.01582	-0.03734	0.00243	-0.00504	-0.01190	0.00119	0.00135	-0.00148
7496	1887.98	124.0	3.51	0.26	0.0221	0.0350	34.99	1.186	15.437	3.1392	0.00887	-0.01607	-0.03461	0.00283	-0.00512	-0.01103	0.00159	0.00127	-0.00061
7497	1888.13	123.9	3.51	0.27	0.0200	0.0376	35.11	1.186	15.557	3.1387	0.00942	-0.01610	-0.03493	0.00300	-0.00513	-0.01113	0.00176	0.00126	-0.00071
7498	1886.98	124.0	3.51	0.27	0.0207	0.0361	35.24	1.186	15.680	3.1363	0.01030	-0.01632	-0.03517	0.00328	-0.00520	-0.01121	0.00204	0.00118	-0.00079
7499	1888.13	123.9	3.51	0.27	0.0221	0.0303	35.36	1.186	15.808	3.1381	0.00909	-0.01768	-0.03932	0.00290	-0.00563	-0.01253	0.00166	0.00075	-0.00211
7500	1887.98	123.7	3.51	0.27	0.0214	0.0374	35.49	1.186	15.931	3.1391	0.00664	-0.01959	-0.04411	0.00212	-0.00624	-0.01405	0.00088	0.00015	-0.00363
7501	1887.70	123.7	3.51	0.27	0.0176	0.0428	35.61	1.186	16.064	3.1378	0.00730	-0.01837	-0.04464	0.00233	-0.00585	-0.01422	0.00108	0.00053	-0.00381
7502	1887.84	123.6	3.51	0.28	0.0204	0.0350	35.74	1.187	16.172	3.1387	0.00569	-0.02016	-0.04533	0.00181	-0.00642	-0.01444	0.00057	-0.00004	-0.00402
7503	1887.70	123.7	3.51	0.29	0.0190	0.0398	35.86	1.187	16.296	3.1378	0.00591	-0.01858	-0.03777	0.00188	-0.00592	-0.01204	0.00064	0.00046	-0.00162
7504	1887.84	123.8	3.51	0.26	0.0207	0.0361	35.99	1.185	16.442	3.1378	0.00536	-0.01986	-0.03401	0.00171	-0.00633	-0.01084	0.00047	0.00006	-0.00042
7505	1888.13	124.0	3.51	0.26	0.0200	0.0376	36.11	1.186	16.565	3.1389	0.00528	-0.01953	-0.03132	0.00168	-0.00622	-0.00998	0.00044	0.00016	0.00044
7506	1887.70	123.9	3.51	0.26	0.0176	0.0391	36.24	1.185	16.696	3.1377	0.00526	-0.01972	-0.03008	0.00168	-0.00628	-0.00959	0.00044	0.00010	0.00083
7507	1887.84	124.0	3.51	0.28	0.0207	0.0361	36.36	1.186	16.803	3.1378	0.00477	-0.01987	-0.02975	0.00152	-0.00633	-0.00948	0.00028	0.00005	0.00094
7508	1888.13	124.1	3.51	0.27	0.0228	0.0344	36.49	1.186	16.934	3.1395	0.00456	-0.02027	-0.03241	0.00145	-0.00646	-0.01032	0.00021	-0.00007	0.00009
7509	1887.98	124.2	3.51	0.25	0.0176	0.0391	36.61	1.185	17.075	3.1392	0.00305	-0.02029	-0.03197	0.00097	-0.00647	-0.01018	-0.00027	-0.00008	0.00024
7510	1887.41	124.2	3.51	0.26	0.0197	0.0383	36.74	1.185	17.195	3.1378	0.00578	-0.01957	-0.03301	0.00184	-0.00624	-0.01052	0.00060	0.00015	-0.00010
7511	1887.84	124.1	3.51	0.26	0.0204	0.0350	36.86	1.186	17.317	3.1378	0.00479	-0.01783	-0.03501	0.00153	-0.00568	-0.01116	0.00029	0.00070	-0.00074
7512	1887.98	124.0	3.51	0.27	0.0207	0.0352	36.99	1.186	17.436	3.1396	0.00392	-0.02011	-0.03426	0.00125	-0.00641	-0.01091	0.00001	-0.00002	-0.00049
7513	1887.98	123.9	3.51	0.27	0.0190	0.0389	37.11	1.186	17.564	3.1383	0.00669	-0.01871	-0.03511	0.00213	-0.00596	-0.01119	0.00089	0.00042	-0.00077
7514	1887.98	123.8	3.51	0.27	0.0183	0.0404	37.24	1.186	17.684	3.1387	0.00452	-0.01944	-0.03493	0.00144	-0.00619	-0.01113	0.00020	0.00019	-0.00071
7515	1887.84	123.8	3.51	0.28	0.0210	0.0354	37.36	1.186	17.801	3.1389	0.00359	-0.01944	-0.03550	0.00114	-0.00619	-0.01131	-0.00010	0.00019	-0.00089
7516	1888.27	123.7	3.51	0.28	0.0190	0.0417	37.49	1.186	17.926	3.1382	0.00503	-0.01729	-0.03394	0.00160	-0.00551	-0.01082	0.00036	0.00088	-0.00040
7517	1888.13	123.8	3.51	0.26	0.0155	0.0426	37.61	1.185	18.071	3.1394	0.00413	-0.01940	-0.03389	0.00132	-0.00618	-0.01080	0.00008	0.00021	-0.00038
7518	1887.98	123.8	3.51	0.26	0.0190	0.0389	37.74	1.186	18.193	3.1387	0.00521	-0.01908	-0.03545	0.00166	-0.00608	-0.01129	0.00042	0.00031	-0.00087
7519	1888.13	123.9	3.51	0.27	0.0210	0.0409	37.86	1.186	18.309	3.1391	0.00441	-0.01951	-0.03416	0.00141	-0.00622	-0.01088	0.00016	0.00017	-0.00046
7520	1887.98	123.9	3.51	0.25	0.0169	0.0415	37.99	1.185	18.450	3.1386	0.00493	-0.01883	-0.03626	0.00157	-0.00600	-0.01155	0.00033	0.00039	-0.00113
7521	1887.84	124.0	3.51	0.26	0.0162	0.0448	38.11	1.185	18.570	3.1382	0.00585	-0.01941	-0.03296	0.00186	-0.00619	-0.01050	0.00062	0.00020	-0.00008
7522	1888.42	124.2	3.51	0.26	0.0190	0.0370	38.24	1.185	18.691	3.1394	0.00553	-0.01972	-0.03522	0.00176	-0.00628	-0.01122	0.00052	0.00010	-0.00080
7523	1888.27	124.3	3.51	0.26	0.0203	0.0396	38.36	1.185	18.816	3.1395	0.00583	-0.01970	-0.03531	0.00186	-0.00627	-0.01125	0.00062	0.00011	-0.00083
7524	1887.98	124.2	3.51	0.25	0.0180	0.0402	38.49	1.185	18.950	3.1382	0.00491	-0.01759	-0.03283	0.00156	-0.00561	-0.01046	0.00032	0.00078	-0.00004
7525	1888.56	124.2	3.51	0.25	0.0190	0.0389	38.61	1.185	19.072	3.1395	0.00578	-0.01871	-0.03454	0.00184	-0.00596	-0.01100	0.00060	0.00043	-0.00058
7526	1887.84	124.1	3.51	0.25	0.0176	0.0409	38.74	1.185	19.199	3.									

Table A4. Run 134.

Run = 134

M = 1.60

xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7534	1887.98	123.9	3.51	-0.28	-0.0040	0.0579	13.86	1.182	-5.634	3.1395	0.00221	-0.02147	-0.03457	0.00071	-0.00684	-0.01101	-0.00019	-0.00004	0.00019
7535	1887.26	124.0	3.51	-0.28	-0.0033	0.0555	13.99	1.183	-5.512	3.1368	0.00282	-0.02085	-0.03550	0.00090	-0.00665	-0.01132	0.00000	0.00015	-0.00012
7536	1888.27	123.8	3.51	-0.26	-0.0026	0.0521	14.11	1.184	-5.404	3.1388	0.00318	-0.02146	-0.03530	0.00101	-0.00684	-0.01125	0.00012	-0.00004	-0.00005
7537	1888.56	124.0	3.51	-0.29	-0.0050	0.0536	14.24	1.182	-5.252	3.1393	0.00384	-0.02059	-0.03533	0.00122	-0.00656	-0.01125	0.00033	0.00024	-0.00005
7538	1888.56	124.0	3.51	-0.28	-0.0050	0.0573	14.36	1.182	-5.130	3.1398	0.00202	-0.02226	-0.03506	0.00064	-0.00709	-0.01117	-0.00025	-0.00030	0.00003
7539	1887.26	123.9	3.51	-0.30	-0.0061	0.0549	14.49	1.181	-4.991	3.1382	0.00328	-0.02117	-0.03693	0.00104	-0.00675	-0.01177	0.00015	0.00005	-0.00057
7540	1888.27	123.8	3.51	-0.30	-0.0047	0.0575	14.61	1.182	-4.872	3.1381	0.00442	-0.02040	-0.03486	0.00141	-0.00650	-0.01111	0.00051	0.00029	0.00009
7541	1888.42	123.8	3.51	-0.29	-0.0054	0.0571	14.74	1.182	-4.746	3.1389	0.00393	-0.02043	-0.03525	0.00125	-0.00651	-0.01123	0.00036	0.00029	-0.00003
7542	1887.84	124.0	3.51	-0.30	-0.0057	0.0579	14.86	1.181	-4.618	3.1387	0.00383	-0.02084	-0.03545	0.00122	-0.00664	-0.01129	0.00032	0.00015	-0.00010
7543	1887.98	124.1	3.51	-0.30	-0.0081	0.0584	14.98	1.181	-4.491	3.1388	0.00256	-0.02021	-0.03628	0.00082	-0.00644	-0.01156	-0.00008	0.00035	-0.00036
7544	1888.27	124.2	3.51	-0.32	-0.0126	0.0671	15.11	1.180	-4.343	3.1394	0.00163	-0.02039	-0.03637	0.00052	-0.00650	-0.01158	-0.00038	0.00030	-0.00039
7545	1888.13	124.1	3.51	-0.32	-0.0133	0.0612	15.24	1.180	-4.217	3.1397	0.00284	-0.02243	-0.03615	0.00090	-0.00715	-0.01151	0.00001	-0.00035	-0.00031
7546	1887.55	124.2	3.51	-0.33	-0.0133	0.0621	15.36	1.180	-4.089	3.1383	0.00417	-0.02125	-0.03542	0.00133	-0.00677	-0.01129	0.00043	0.00002	-0.00009
7547	1888.13	123.9	3.51	-0.32	-0.0119	0.0629	15.49	1.180	-3.972	3.1391	0.00164	-0.02055	-0.03541	0.00052	-0.00655	-0.01128	-0.00037	0.00025	-0.00008
7548	1888.27	123.9	3.51	-0.32	-0.0116	0.0630	15.61	1.180	-3.845	3.1394	0.00207	-0.02191	-0.03642	0.00066	-0.00698	-0.01160	-0.00024	-0.00019	-0.00040
7549	1888.42	124.0	3.51	-0.33	-0.0157	0.0636	15.74	1.180	-3.711	3.1394	0.00410	-0.02109	-0.03425	0.00131	-0.00672	-0.01091	0.00041	0.00007	0.00029
7550	1887.55	124.0	3.51	-0.32	-0.0160	0.0625	15.86	1.180	-3.591	3.1391	0.00213	-0.02085	-0.03670	0.00068	-0.00664	-0.01169	-0.00022	0.00015	-0.00049
7551	1887.98	124.2	3.51	-0.32	-0.0129	0.0576	15.99	1.180	-3.471	3.1381	0.00383	-0.01987	-0.03471	0.00122	-0.00633	-0.01106	0.00032	0.00046	0.00014
7552	1888.42	124.1	3.51	-0.32	-0.0177	0.0615	16.11	1.182	-3.342	3.1389	0.00405	-0.02029	-0.03426	0.00129	-0.00646	-0.01092	0.00039	0.00033	0.00028
7553	1888.85	124.0	3.51	-0.31	-0.0140	0.0617	16.24	1.181	-3.229	3.1411	0.00225	-0.02227	-0.03642	0.00071	-0.00709	-0.01159	-0.00018	-0.00029	-0.00040
7554	1887.55	123.9	3.51	-0.30	-0.0150	0.0630	16.36	1.181	-3.106	3.1374	0.00396	-0.01984	-0.03402	0.00126	-0.00632	-0.01084	0.00037	0.00047	0.00035
7555	1887.55	123.8	3.51	-0.31	-0.0147	0.0595	16.49	1.180	-2.972	3.1391	0.00186	-0.02190	-0.03647	0.00059	-0.00634	-0.01162	-0.00031	0.00045	-0.00042
7556	1888.13	124.0	3.51	-0.30	-0.0140	0.0589	16.61	1.181	-2.860	3.1390	0.00453	-0.01663	-0.03578	0.00144	-0.00530	-0.01140	0.00055	0.00150	-0.00020
7557	1888.13	124.1	3.51	-0.30	-0.0167	0.0630	16.74	1.181	-2.734	3.1392	0.00476	-0.01651	-0.03577	0.00152	-0.00526	-0.01139	0.00062	0.00153	-0.00019
7558	1887.41	124.0	3.51	-0.31	-0.0164	0.0604	16.86	1.180	-2.601	3.1384	0.00756	-0.01995	-0.03607	0.00241	-0.00636	-0.01149	0.00151	0.00044	-0.00029
7559	1887.98	124.0	3.51	-0.30	-0.0119	0.0619	16.99	1.181	-2.487	3.1393	0.00875	-0.02422	-0.03711	0.00279	-0.00771	-0.01182	0.00189	-0.00092	-0.00062
7560	1888.13	124.1	3.51	-0.30	-0.0157	0.0608	17.11	1.181	-2.359	3.1388	0.00553	-0.02277	-0.03490	0.00176	-0.00725	-0.01112	0.00086	-0.00046	0.00008
7561	1887.26	123.9	3.51	-0.30	-0.0160	0.0597	17.24	1.181	-2.233	3.1380	0.00154	-0.02127	-0.03559	0.00049	-0.00678	-0.01134	-0.00041	0.00001	-0.00014
7562	1887.98	123.9	3.51	-0.30	-0.0129	0.0586	17.36	1.181	-2.112	3.1381	0.00244	-0.02034	-0.03553	0.00078	-0.00648	-0.01132	-0.00012	0.00031	-0.00012
7563	1888.42	124.0	3.51	-0.30	-0.0129	0.0613	17.49	1.181	-1.987	3.1400	0.00088	-0.01989	-0.03751	0.00028	-0.00633	-0.01195	-0.00062	0.00046	-0.00075
7564	1887.26	124.0	3.51	-0.28	-0.0102	0.0564	17.61	1.182	-1.878	3.1381	0.00162	-0.01497	-0.03655	0.00052	-0.00477	-0.01165	-0.00038	0.00202	-0.00045
7565	1888.27	123.9	3.51	-0.29	-0.0122	0.0543	17.74	1.182	-1.744	3.1385	0.00552	-0.00995	-0.03479	0.00176	-0.00317	-0.01108	0.00086	0.00362	0.00012
7566	1888.27	123.8	3.51	-0.29	-0.0105	0.0552	17.86	1.182	-1.619	3.1392	0.00983	-0.01000	-0.03512	0.00313	-0.00318	-0.01119	0.00223	0.00361	0.00001
7567	1888.42	123.9	3.51	-0.29	-0.0112	0.0530	17.99	1.182	-1.495	3.1396	0.01265	-0.01572	-0.03349	0.00403	-0.00501	-0.01067	0.00313	0.00179	0.00053
7568	1887.70	123.9	3.51	-0.27	-0.0105	0.0543	18.11	1.183	-1.385	3.1385	0.01384	-0.01851	-0.03114	0.00441	-0.00590	-0.00992	0.00351	0.00090	0.00128
7569	1888.13	123.9	3.51	-0.26	-0.0061	0.0493	18.24	1.183	-1.270	3.1387	0.01056	-0.02299	-0.03267	0.00336	-0.00732	-0.01041	0.00247	-0.00053	0.00079
7570	1888.27	123.9	3.51	-0.29	-0.0098	0.0500	18.36	1.182	-1.126	3.1390	0.00619	-0.02446	-0.03378	0.00197	-0.00779	-0.01076	0.00108	-0.00100	0.00044
7571	1887.55	123.9	3.51	-0.28	-0.0109	0.0523	18.49	1.182	-1.001	3.1390	0.00005	-0.02430	-0.03824	0.00002	-0.00774	-0.01218	-0.00088	-0.00095	-0.00098
7572	1887.41	123.9	3.51	-0.27	-0.0064	0.0491	18.61	1.183	-0.890	3.1384	-0.00302	-0.02172	-0.03866	-0.00096	-0.00692	-0.01232	-0.00186	-0.00013	-0.00112
7573	1888.42	123.8	3.51	-0.27	-0.0044	0.0484	18.74	1.183	-0.770	3.1393	-0.00161	-0.01568	-0.03751	-0.00051	-0.00500	-0.01195	-0.00141	0.00180	-0.00075
7574	1888.27	123.7	3.51	-0.29	-0.0071	0.0515	18.86	1.182	-0.628	3.1394	0.00221	-0.00667	-0.03536	0.00070	-0.00212	-0.01126	-0.00019	0.00467	-0.00007
7575	1888.13	123.9	3.51	-0.28	-0.0040	0.0486	18.99	1.182	-0.507	3.1390	0.00800	-0.00591	-0.03462	0.00255	-0.00188	-0.01103	0.00165	0.00491	0.00017
7576	1887.70	123.9	3.51	-0.28	-0.0061	0.0493	19.11	1.182	-0.382	3.1384	0.01540	-0.00873	-0.03170	0.00491	-0.00278	-0.01010	0.00401	0.00401	0.00110
7577	1888.56	123.9	3.51	-0.28	-0.0074	0.0495	19.23	1.182	-0.257	3.1402	0.01686	-0.01433	-0.02830	0.00537	-0.00456	-0.00901	0.00447	0.00223	0.00219
7578	1888.42	123.9	3.51	-0.28	-0.0064	0.0473	19.36	1.182	-0.135	3.1381	0.01573	-0.01735	-0.02584	0.00501	-0.00553	-0.00823	0.00412	0.00127	0.00297
7579	1887.26	124.1	3.51	-0.28	-0.0061	0.0484	19.48	1.182	-0.009	3.1373	0.00943	-0.02310	-0.03040	0.00301	-0.00736	-0.00969	0.00211	-0.00057	0.00151
7580	1888.27	124.0	3.51	-0.28	-0.0047	0.0501	19.61	1.183	0.112	3.1395	0.00381	-0.02585	-0.03333	0.00121	-0.00823	-0.01062	0.00032	-0.00144	0.00058
7581	1888.27	123.9	3.51	-0.28	-0.0074	0.0532	19.74	1.182	0.247	3.1390	0.00057	-0.01960	-0.03763	0.00018	-0.00625	-0.01199	-0.00072	0.00055	-0.00079
7582	1888.42	124.0	3.51	-0.29	-0.0074	0.0485	19.86	1.182	0.376	3.1396	-0.00177	-0.01186	-0.03846	-0.00056	-0.00378	-0.01225	-0.00146	0.00302	-0.00105
7583	1887.26	124.0	3.51	-0.28	-0.0050	0.0518	19.99	1.183	0.491	3.1380	0.00071	-0.00799	-0.03794	0.00023	-0.00255	-0.01209	-0.00067	0.00425	-0.00089
7584	1888.42	124.1	3.51	-0.29	-0.0074	0.0523	20.11	1.182	0.622	3.1398	0.01132	-0.00463	-0.03551	0.00360	-0.00148	-0.01131	0.00271	0.00532	-0.00011
7585	1888.27	124.1	3.51	-0.28	-0.0061	0.0484	20.24	1.182	0.743	3.1399	0.01582	-0.00621	-0.02829	0.00504	-0.00198	-0.00901	0.00414	0.00482	0.00219
7586	1888.13	124.2	3.51	-0.27	-0.0033	0.0452	20.36	1.183	0.853	3.1393	0.01848	-0.00743	-0.02375	0.00589	-0.00237	-0.00756	0.00499	0.00443	0.00363
7587	1887.26	124.3	3.51	-0.28	-0.0068	0.0490	20.49	1.											

Table A4. Continued.

Run = 134
M = 1.60
xsppos = 39.848

point	p0	t0	rfft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7607	1887.98	123.6	3.51	-0.29	-0.0071	0.0515	22.99	1.182	3.497	3.1393	0.01292	-0.00760	-0.02287	0.00412	-0.00242	-0.00729	0.00322	0.00437	0.00391
7608	1888.13	123.6	3.51	-0.27	-0.0047	0.0491	23.11	1.183	3.612	3.1393	0.01387	-0.00633	-0.02325	0.00442	-0.00202	-0.00741	0.00352	0.00478	0.00379
7609	1888.27	123.7	3.51	-0.29	-0.0043	0.0447	23.24	1.182	3.745	3.1398	0.01411	-0.00792	-0.02484	0.00450	-0.00252	-0.00791	0.00360	0.00427	0.00329
7610	1888.13	123.9	3.51	-0.27	-0.0023	0.0458	23.36	1.183	3.856	3.1388	0.01525	-0.00519	-0.02463	0.00486	-0.00165	-0.00785	0.00396	0.00514	0.00335
7611	1887.98	123.9	3.51	-0.30	-0.0085	0.0499	23.49	1.182	4.007	3.1402	0.01423	-0.00465	-0.02540	0.00453	-0.00148	-0.00809	0.00363	0.00531	0.00311
7612	1887.26	124.0	3.51	-0.28	-0.0050	0.0471	23.61	1.182	4.119	3.1384	0.01613	-0.00542	-0.02551	0.00514	-0.00173	-0.00813	0.00424	0.00507	0.00307
7613	1887.84	123.9	3.51	-0.30	-0.0085	0.0517	23.73	1.182	4.255	3.1389	0.01626	-0.00548	-0.02529	0.00518	-0.00175	-0.00806	0.00428	0.00505	0.00314
7614	1888.27	123.8	3.51	-0.28	-0.0054	0.0469	23.86	1.182	4.366	3.1384	0.01790	-0.00502	-0.02389	0.00570	-0.00160	-0.00761	0.00481	0.00519	0.00359
7615	1888.27	123.8	3.51	-0.29	-0.0064	0.0445	23.99	1.182	4.497	3.1391	0.01788	-0.00712	-0.02549	0.00570	-0.00227	-0.00812	0.00480	0.00453	0.00308
7616	1887.84	123.6	3.51	-0.30	-0.0071	0.0488	24.11	1.182	4.631	3.1388	0.01583	-0.00799	-0.02456	0.00504	-0.00255	-0.00783	0.00415	0.00425	0.00337
7617	1887.98	123.5	3.51	-0.30	-0.0078	0.0493	24.24	1.182	4.755	3.1378	0.01489	-0.00743	-0.02286	0.00474	-0.00237	-0.00729	0.00385	0.00443	0.00391
7618	1888.13	123.4	3.51	-0.30	-0.0071	0.0487	24.36	1.182	4.882	3.1386	0.01315	-0.00339	-0.02390	0.00419	-0.00108	-0.00761	0.00329	0.00572	0.00358
7619	1887.98	123.4	3.51	-0.29	-0.0050	0.0452	24.49	1.182	4.997	3.1380	0.01381	-0.00180	-0.02329	0.00440	-0.00058	-0.00742	0.00351	0.00622	0.00378
7620	1887.84	123.3	3.51	-0.30	-0.0074	0.0486	24.61	1.181	5.133	3.1396	0.01580	-0.00007	-0.02347	0.00503	-0.00002	-0.00748	0.00414	0.00677	0.00372
7621	1888.13	123.4	3.51	-0.30	-0.0068	0.0461	24.74	1.182	5.256	3.1390	0.01918	0.00068	-0.02319	0.00611	0.00022	-0.00739	0.00521	0.00701	0.00381
7622	1888.27	123.4	3.51	-0.29	-0.0061	0.0474	24.86	1.182	5.375	3.1386	0.02134	0.00091	-0.02179	0.00680	0.00029	-0.00694	0.00590	0.00709	0.00426
7623	1887.98	123.2	3.51	-0.30	-0.0085	0.0489	24.99	1.181	5.512	3.1390	0.02153	-0.00150	-0.02093	0.00686	-0.00048	-0.00667	0.00596	0.00632	0.00453
7624	1887.98	123.3	3.51	-0.31	-0.0085	0.0452	25.11	1.181	5.639	3.1385	0.02237	-0.00168	-0.02030	0.00713	-0.00053	-0.00647	0.00623	0.00626	0.00473
7625	1887.98	123.4	3.51	-0.30	-0.0074	0.0476	25.24	1.182	5.757	3.1394	0.02013	-0.00439	-0.02122	0.00641	-0.00140	-0.00676	0.00552	0.00540	0.00444
7626	1887.70	123.2	3.51	-0.30	-0.0061	0.0465	25.36	1.182	5.883	3.1388	0.01823	-0.00445	-0.02227	0.00581	-0.00142	-0.00710	0.00491	0.00538	0.00410
7627	1888.13	123.2	3.51	-0.30	-0.0074	0.0486	25.49	1.181	6.011	3.1403	0.01670	-0.00547	-0.02418	0.00532	-0.00174	-0.00770	0.00442	0.00505	0.00350
7628	1888.13	123.1	3.52	-0.31	-0.0102	0.0489	25.61	1.181	6.148	3.1388	0.01615	-0.00730	-0.02450	0.00514	-0.00233	-0.00781	0.00425	0.00447	0.00339
7629	1888.27	123.1	3.52	-0.32	-0.0105	0.0487	25.74	1.180	6.275	3.1389	0.01514	-0.01015	-0.02047	0.00482	-0.00323	-0.00652	0.00393	0.00356	0.00468
7630	1887.84	123.5	3.51	-0.31	-0.0095	0.0502	25.86	1.181	6.393	3.1383	0.01493	-0.00699	-0.01988	0.00476	-0.00223	-0.00633	0.00386	0.00457	0.00486
7631	1888.27	123.5	3.51	-0.30	-0.0078	0.0484	25.99	1.181	6.510	3.1398	0.01413	-0.00545	-0.01796	0.00450	-0.00174	-0.00572	0.00360	0.00506	0.00548
7632	1887.98	123.5	3.51	-0.31	-0.0095	0.0521	26.11	1.181	6.642	3.1382	0.01447	-0.00375	-0.01495	0.00461	-0.00120	-0.00476	0.00371	0.00560	0.00644
7633	1887.98	123.6	3.51	-0.31	-0.0109	0.0513	26.24	1.181	6.774	3.1397	0.01399	-0.00465	-0.01504	0.00446	-0.00148	-0.00479	0.00356	0.00531	0.00641
7634	1887.98	123.4	3.51	-0.30	-0.0095	0.0539	26.36	1.181	6.889	3.1398	0.01666	-0.00552	-0.01690	0.00530	-0.00176	-0.00538	0.00441	0.00504	0.00581
7635	1887.98	123.5	3.51	-0.31	-0.0085	0.0526	26.49	1.181	7.017	3.1380	0.01685	-0.00347	-0.01724	0.00537	-0.00111	-0.00549	0.00447	0.00569	0.00570
7636	1887.70	123.6	3.51	-0.31	-0.0098	0.0519	26.61	1.181	7.148	3.1385	0.01737	-0.00478	-0.01875	0.00553	-0.00152	-0.00597	0.00464	0.00527	0.00522
7637	1887.98	123.5	3.51	-0.30	-0.0071	0.0506	26.74	1.181	7.260	3.1391	0.01689	-0.00472	-0.01918	0.00538	-0.00150	-0.00611	0.00449	0.00529	0.00509
7638	1887.98	123.7	3.51	-0.29	-0.0088	0.0543	26.86	1.182	7.379	3.1395	0.01591	-0.00344	-0.02114	0.00507	-0.00110	-0.00673	0.00417	0.00570	0.00446
7639	1888.13	123.7	3.51	-0.30	-0.0116	0.0575	26.99	1.181	7.512	3.1399	0.01388	-0.00551	-0.02483	0.00442	-0.00176	-0.00791	0.00352	0.00504	0.00329
7640	1887.84	123.5	3.51	-0.30	-0.0105	0.0571	27.11	1.181	7.635	3.1378	0.01743	-0.00574	-0.02223	0.00555	-0.00183	-0.00709	0.00466	0.00496	0.00411
7641	1887.98	123.3	3.51	-0.30	-0.0102	0.0564	27.24	1.181	7.763	3.1392	0.01487	-0.00678	-0.02241	0.00474	-0.00216	-0.00714	0.00384	0.00463	0.00406
7642	1887.98	123.5	3.51	-0.30	-0.0081	0.0566	27.36	1.182	7.882	3.1396	0.01463	-0.00418	-0.02372	0.00466	-0.00133	-0.00756	0.00376	0.00546	0.00364
7643	1887.98	123.5	3.51	-0.29	-0.0068	0.0545	27.49	1.182	7.999	3.1376	0.01497	-0.00277	-0.01985	0.00477	-0.00088	-0.00633	0.00387	0.00591	0.00487
7644	1887.98	123.6	3.51	-0.31	-0.0102	0.0526	27.61	1.181	8.142	3.1392	0.01446	-0.00621	-0.02036	0.00461	-0.00198	-0.00649	0.00371	0.00482	0.00471
7645	1887.84	123.4	3.51	-0.30	-0.0095	0.0577	27.74	1.181	8.263	3.1389	0.01531	-0.00792	-0.01938	0.00488	-0.00252	-0.00617	0.00398	0.00427	0.00502
7646	1887.98	123.4	3.51	-0.28	-0.0044	0.0549	27.86	1.182	8.366	3.1383	0.01657	-0.00961	-0.01967	0.00528	-0.00306	-0.00627	0.00438	0.00373	0.00493
7647	1888.13	123.4	3.51	-0.30	-0.0092	0.0588	27.99	1.181	8.511	3.1389	0.01220	-0.01513	-0.02182	0.00389	-0.00482	-0.00695	0.00299	0.00197	0.00425
7648	1888.13	123.4	3.51	-0.31	-0.0099	0.0593	28.16	1.181	8.693	3.1389	0.01000	-0.01974	-0.02290	0.00319	-0.00629	-0.00730	0.00229	0.00050	0.00390
7649	1888.13	123.3	3.51	-0.30	-0.0068	0.0536	28.23	1.181	8.758	3.1390	0.00714	-0.01968	-0.02193	0.00228	-0.00627	-0.00699	0.00138	0.00053	0.00421
7650	1888.13	123.4	3.51	-0.31	-0.0071	0.0506	28.36	1.181	8.887	3.1388	0.00382	-0.02046	-0.01916	0.00122	-0.00652	-0.00610	0.00032	0.00028	0.00509
7651	1888.27	123.7	3.51	-0.30	-0.0064	0.0528	28.49	1.181	9.010	3.1387	0.00056	-0.02289	-0.01980	0.00018	-0.00729	-0.00631	-0.00072	-0.00050	0.00489
7652	1888.13	123.6	3.51	-0.31	-0.0064	0.0528	28.61	1.181	9.137	3.1392	-0.00050	-0.02210	-0.02075	-0.00016	-0.00768	-0.00661	-0.01106	-0.00088	0.00459
7653	1888.13	123.8	3.51	-0.30	-0.0050	0.0508	28.74	1.182	9.256	3.1392	-0.00208	-0.02913	-0.02150	-0.00066	-0.00928	-0.00685	-0.00156	-0.00249	0.00435
7654	1887.84	123.9	3.51	-0.31	-0.0088	0.0553	28.86	1.181	9.397	3.1386	-0.00536	-0.03616	-0.02147	-0.00171	-0.01152	-0.00684	-0.00261	-0.00473	0.00436
7655	1888.27	123.8	3.51	-0.30	-0.0047	0.0482	28.99	1.181	9.509	3.1390	-0.00851	-0.04255	-0.01935	-0.00271	-0.01356	-0.00616	-0.00361	-0.00676	0.00504
7656	1888.27	123.7	3.51	-0.32	-0.0078	0.0558	29.11	1.180	9.648	3.1389	-0.01534	-0.04905	-0.02224	-0.00489	-0.01563	-0.00708	-0.00578	-0.00883	0.00411
7657	1887.98	123.8	3.51	-0.32	-0.0074	0.0523	29.24	1.180	9.774	3.1392	-0.02194	-0.05174	-0.02466	-0.00699	-0.01648	-0.00786	-0.00789	-0.00969	0.00334
7658	1888.27	123.8	3.51	-0.31	-0.0071	0.0543	29.36	1.181	9.892	3.1385	-0.02452	-0.05040	-0.02849	-0.00781	-0.01606	-0.00908	-0.00871	-0.00927	0.00212
7659	1887.84	123.8	3.51	-0.31	-0.0074	0.0532	29.49	1.181	10.020	3.1387	-0.02803	-0.04334	-0.03322	-0.00893	-0.01381	-0.01058	-0.00983	-0.00701	0.00062
7660	1888.42	123.7	3.51	-0.31	-0.0074	0.0532	29.61	1.181	10.138	3.1400	-0.03040	-0.03832	-0.03541	-0.00968					

Table A4. Concluded.

Run = 134

M = 1.60

xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7680	1887.98	123.9	3.51	-0.30	-0.0064	0.0519	32.11	1.182	12.631	3.1395	0.00447	-0.01831	-0.04869	0.00142	-0.00583	-0.01551	0.00053	0.00096	-0.00431
7681	1887.70	123.8	3.51	-0.30	-0.0085	0.0554	32.24	1.181	12.761	3.1382	0.00374	-0.01776	-0.04207	0.00119	-0.00566	-0.01341	0.00030	0.00113	-0.00221
7682	1888.13	123.6	3.51	-0.30	-0.0074	0.0551	32.36	1.181	12.886	3.1386	0.00395	-0.01896	-0.03678	0.00126	-0.00604	-0.01172	0.00036	0.00075	-0.00052
7683	1888.13	123.6	3.51	-0.29	-0.0040	0.0486	32.49	1.182	12.998	3.1390	0.00366	-0.02086	-0.03455	0.00117	-0.00665	-0.01101	0.00027	0.00015	0.00019
7684	1887.84	123.8	3.51	-0.28	-0.0040	0.0523	32.61	1.182	13.119	3.1389	0.00540	-0.02221	-0.03693	0.00172	-0.00708	-0.01177	0.00082	-0.00028	-0.00057
7685	1887.98	123.6	3.51	-0.29	-0.0071	0.0525	32.74	1.182	13.253	3.1392	0.00498	-0.02488	-0.03872	0.00159	-0.00793	-0.01234	0.00069	-0.00113	-0.00114
7686	1887.55	123.8	3.51	-0.29	-0.0061	0.0493	32.86	1.182	13.375	3.1374	0.00448	-0.02494	-0.03768	0.00143	-0.00795	-0.01201	0.00053	-0.00116	-0.00081
7687	1887.70	123.7	3.51	-0.30	-0.0064	0.0482	32.99	1.182	13.504	3.1369	0.00252	-0.02614	-0.03890	0.00080	-0.00833	-0.01240	-0.00009	-0.00154	-0.00120
7688	1888.13	123.7	3.51	-0.29	-0.0068	0.0527	33.11	1.182	13.624	3.1397	-0.00295	-0.03160	-0.04100	-0.00094	-0.01007	-0.01306	-0.00184	-0.00327	-0.00186
7689	1887.98	123.7	3.51	-0.28	-0.0071	0.0543	33.24	1.182	13.744	3.1386	-0.00310	-0.03025	-0.04126	-0.00099	-0.00964	-0.01315	-0.00188	-0.00284	-0.00195
7690	1888.13	123.8	3.51	-0.29	-0.0050	0.0489	33.36	1.182	13.869	3.1386	-0.00509	-0.03090	-0.04010	-0.00162	-0.00984	-0.01278	-0.00252	-0.00305	-0.00158
7691	1887.84	123.9	3.51	-0.30	-0.0078	0.0540	33.49	1.182	14.005	3.1389	-0.00705	-0.02992	-0.03917	-0.00224	-0.00953	-0.01248	-0.00314	-0.00274	-0.00128
7692	1887.98	123.8	3.51	-0.30	-0.0075	0.0560	33.61	1.181	14.135	3.1389	-0.00667	-0.02361	-0.03887	-0.00212	-0.00752	-0.01239	-0.00302	-0.00073	-0.00119
7693	1887.84	124.0	3.51	-0.28	-0.0054	0.0506	33.73	1.182	14.242	3.1382	-0.00463	-0.02004	-0.03798	-0.00147	-0.00639	-0.01210	-0.00237	0.00041	-0.00091
7694	1887.41	123.8	3.51	-0.30	-0.0078	0.0521	33.86	1.181	14.384	3.1386	0.00155	-0.01818	-0.03872	0.00049	-0.00579	-0.01234	-0.00040	0.00100	-0.00114
7695	1887.41	123.8	3.51	-0.30	-0.0092	0.0514	33.99	1.182	14.507	3.1375	0.00700	-0.02077	-0.03784	0.00223	-0.00662	-0.01206	0.00133	0.00018	-0.00086
7696	1887.70	123.6	3.51	-0.29	-0.0057	0.0523	34.11	1.182	14.623	3.1378	0.00803	-0.02299	-0.03864	0.00256	-0.00733	-0.01231	0.00166	-0.00053	-0.00111
7697	1887.84	123.5	3.51	-0.29	-0.0071	0.0525	34.23	1.182	14.747	3.1377	0.00495	-0.02683	-0.03973	0.00158	-0.00855	-0.01266	0.00068	-0.00176	-0.00146
7698	1887.98	123.6	3.51	-0.29	-0.0068	0.0527	34.36	1.182	14.875	3.1378	0.00211	-0.02935	-0.04199	0.00067	-0.00935	-0.01338	-0.00023	-0.00256	-0.00218
7699	1887.70	123.8	3.51	-0.28	-0.0054	0.0506	34.49	1.182	14.993	3.1381	-0.00195	-0.02976	-0.04265	-0.00062	-0.00948	-0.01359	-0.00152	-0.00269	-0.00239
7700	1887.41	123.6	3.51	-0.29	-0.0068	0.0517	34.61	1.182	15.127	3.1374	-0.00541	-0.02636	-0.04313	-0.00173	-0.00840	-0.01375	-0.00262	-0.00161	-0.00255
7701	1887.26	123.7	3.51	-0.29	-0.0050	0.0471	34.74	1.182	15.245	3.1381	-0.00787	-0.01999	-0.04563	-0.00251	-0.00637	-0.01454	-0.00340	0.00042	-0.00334
7702	1887.55	123.6	3.51	-0.29	-0.0071	0.0516	34.86	1.182	15.375	3.1374	-0.00152	-0.01542	-0.04413	-0.00049	-0.00492	-0.01406	-0.00138	0.00188	-0.00287
7703	1887.84	123.7	3.51	-0.29	-0.0081	0.0510	34.99	1.182	15.504	3.1382	0.00619	-0.01229	-0.03584	0.00197	-0.00392	-0.01142	0.00107	0.00288	-0.00022
7704	1887.55	123.7	3.51	-0.29	-0.0054	0.0469	35.11	1.182	15.623	3.1373	0.00938	-0.01423	-0.03213	0.00299	-0.00453	-0.01024	0.00209	0.00226	0.00096
7705	1887.98	123.6	3.51	-0.29	-0.0071	0.0515	35.24	1.182	15.755	3.1385	0.00944	-0.01481	-0.03131	0.00301	-0.00472	-0.00998	0.00211	0.00207	0.00122
7706	1887.98	123.9	3.51	-0.29	-0.0061	0.0512	35.36	1.182	15.878	3.1388	0.00960	-0.01604	-0.03413	0.00306	-0.00511	-0.01087	0.00216	0.00168	0.00033
7707	1887.41	123.9	3.51	-0.30	-0.0050	0.0480	35.49	1.182	16.002	3.1385	0.00887	-0.01641	-0.03594	0.00283	-0.00523	-0.01145	0.00193	0.00157	-0.00025
7708	1887.70	123.8	3.51	-0.29	-0.0074	0.0514	35.61	1.182	16.129	3.1371	0.00902	-0.01672	-0.03875	0.00288	-0.00533	-0.01235	0.00198	0.00146	-0.00115
7709	1887.55	123.8	3.51	-0.29	-0.0074	0.0514	35.74	1.182	16.249	3.1384	0.00773	-0.01933	-0.04430	0.00246	-0.00616	-0.01412	0.00157	0.00064	-0.00292
7710	1887.98	123.8	3.51	-0.30	-0.0068	0.0508	35.86	1.182	16.380	3.1386	0.00676	-0.01864	-0.04547	0.00215	-0.00594	-0.01449	0.00126	0.00085	-0.00329
7711	1887.70	123.8	3.51	-0.30	-0.0085	0.0508	35.99	1.182	16.510	3.1390	0.00546	-0.02077	-0.03900	0.00174	-0.00662	-0.01243	0.00084	0.00018	-0.00123
7712	1887.70	123.8	3.51	-0.30	-0.0098	0.0482	36.11	1.181	16.634	3.1377	0.00537	-0.01819	-0.03420	0.00171	-0.00580	-0.01090	0.00081	0.00100	0.00030
7713	1887.98	123.7	3.51	-0.29	-0.0071	0.0497	36.24	1.182	16.749	3.1372	0.00673	-0.01841	-0.03107	0.00215	-0.00587	-0.00990	0.00125	0.00093	0.00130
7714	1887.98	123.7	3.51	-0.30	-0.0074	0.0495	36.36	1.182	16.882	3.1392	0.00554	-0.01918	-0.02861	0.00177	-0.00611	-0.00911	0.00087	0.00069	0.00209
7715	1887.84	123.7	3.51	-0.30	-0.0074	0.0495	36.49	1.181	17.008	3.1381	0.00533	-0.01862	-0.03070	0.00170	-0.00593	-0.00978	0.00080	0.00086	0.00141
7716	1887.84	123.5	3.51	-0.29	-0.0057	0.0495	36.61	1.182	17.120	3.1374	0.00655	-0.01848	-0.02977	0.00209	-0.00589	-0.00949	0.00119	0.00091	0.00171
7717	1887.98	123.5	3.51	-0.30	-0.0092	0.0495	36.74	1.181	17.263	3.1393	0.00587	-0.01914	-0.03155	0.00187	-0.00610	-0.01005	0.00097	0.00070	0.00115
7718	1888.27	123.8	3.51	-0.28	-0.0047	0.0473	36.86	1.183	17.362	3.1391	0.00524	-0.01801	-0.03166	0.00167	-0.00574	-0.01009	0.00077	0.00106	0.00111
7719	1888.13	123.8	3.51	-0.29	-0.0078	0.0512	36.99	1.182	17.504	3.1386	0.00481	-0.01850	-0.03145	0.00153	-0.00589	-0.01002	0.00064	0.00090	0.00118
7720	1888.13	123.8	3.51	-0.29	-0.0095	0.0549	37.11	1.182	17.630	3.1397	0.00443	-0.01981	-0.03296	0.00141	-0.00631	-0.01050	0.00051	0.00048	0.00070
7721	1887.84	123.8	3.51	-0.30	-0.0092	0.0523	37.24	1.181	17.764	3.1396	0.00281	-0.01981	-0.03360	0.00090	-0.00631	-0.01070	0.00000	0.00048	0.00050
7722	1888.13	123.7	3.51	-0.30	-0.0105	0.0543	37.36	1.181	17.889	3.1387	0.00501	-0.01836	-0.03384	0.00160	-0.00585	-0.01078	0.00070	0.00094	0.00042
7723	1887.98	123.8	3.51	-0.29	-0.0064	0.0528	37.49	1.182	18.002	3.1383	0.00377	-0.01956	-0.03264	0.00120	-0.00623	-0.01040	0.00030	0.00056	0.00080
7724	1887.41	123.8	3.51	-0.31	-0.0112	0.0530	37.61	1.181	18.142	3.1372	0.00427	-0.01858	-0.03267	0.00136	-0.00592	-0.01041	0.00046	0.00087	0.00078
7725	1888.56	123.6	3.51	-0.31	-0.0092	0.0550	37.74	1.181	18.264	3.1400	0.00406	-0.01938	-0.03477	0.00129	-0.00617	-0.01107	0.00039	0.00062	0.00012
7726	1888.13	123.5	3.51	-0.30	-0.0068	0.0517	37.86	1.182	18.378	3.1381	0.00552	-0.01913	-0.03295	0.00176	-0.00610	-0.01050	0.00086	0.00070	0.00070
7727	1888.27	123.6	3.51	-0.30	-0.0078	0.0502	37.99	1.181	18.508	3.1405	0.00164	-0.02088	-0.03273	0.00052	-0.00665	-0.01042	-0.00037	0.00014	0.00078
7728	1887.98	123.6	3.51	-0.31	-0.0092	0.0532	38.11	1.181	18.641	3.1391	0.00463	-0.01995	-0.03290	0.00148	-0.00635	-0.01048	0.00058	0.00044	0.00072
7729	1887.55	123.8	3.51	-0.30	-0.0088	0.0525	38.24	1.181	18.764	3.1378	0.00490	-0.01827	-0.03216	0.00156	-0.00582	-0.01025	0.00066	0.00097	0.00095
7730	1887.98	123.7	3.51	-0.31	-0.0095	0.0558	38.36	1.181	18.892	3.1390	0.00412	-0.01978	-0.03318	0.00131	-0.00630	-0.01057	0.00041	0.00049	0.00063
7731	1888.27	123.8	3.51	-0.31	-0.0088	0.0543	38.49	1.181	19.015	3.1407	0.00221	-0.02059	-0.03493	0.00070	-0.00655	-0.01112	-0.00019	0.00024	0.00008
7732	1887.84	123.8	3.51	-0.30	-0.0085	0.0536	38.61	1.181	19.135	3.1400	0.00318	-0.02058	-0.03390	0.00101	-0.00655	-0.01080	0.00012	0.00024	0.00040
7733																			

Table A5. Run 135.

Run = 135

M = 1.60

xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7734	1887.12	123.8	3.51	0.68	0.0424	0.0154	13.86	1.191	-5.776	3.1383	0.00199	-0.02129	-0.03514	0.00063	-0.00679	-0.01120	-0.00026	-0.00009	0.00019
7735	1887.70	123.9	3.51	0.69	0.0485	0.0076	13.99	1.192	-5.666	3.1387	0.00315	-0.02030	-0.03613	0.00100	-0.00647	-0.01151	0.00011	0.00023	-0.00013
7736	1887.84	124.1	3.51	0.69	0.0468	0.0076	14.11	1.192	-5.536	3.1383	0.00292	-0.02069	-0.03697	0.00093	-0.00659	-0.01178	0.00003	0.00010	-0.00040
7737	1887.70	123.9	3.51	0.69	0.0437	0.0124	14.24	1.192	-5.409	3.1381	0.00316	-0.02068	-0.03433	0.00101	-0.00659	-0.01094	0.00011	0.00010	0.00044
7738	1887.55	123.9	3.51	0.68	0.0424	0.0079	14.36	1.191	-5.273	3.1389	0.00284	-0.02209	-0.03605	0.00090	-0.00704	-0.01148	0.00001	-0.00034	-0.00010
7739	1887.84	123.8	3.51	0.68	0.0430	0.0111	14.49	1.191	-5.153	3.1385	0.00304	-0.01976	-0.03575	0.00097	-0.00630	-0.01139	0.00007	0.00040	-0.00001
7740	1887.70	123.7	3.51	0.68	0.0454	0.0105	14.61	1.191	-5.028	3.1388	0.00225	-0.02066	-0.03669	0.00072	-0.00658	-0.01169	-0.00018	0.00011	-0.00031
7741	1888.42	123.8	3.51	0.68	0.0440	0.0126	14.74	1.191	-4.900	3.1397	0.00170	-0.02117	-0.03565	0.00054	-0.00674	-0.01135	-0.00035	-0.00005	0.00003
7742	1887.98	123.7	3.51	0.68	0.0417	0.0131	14.86	1.191	-4.777	3.1401	0.00255	-0.02209	-0.03702	0.00081	-0.00704	-0.01179	-0.00008	-0.00034	-0.00041
7743	1887.55	123.7	3.51	0.69	0.0417	0.0122	14.99	1.191	-4.653	3.1375	0.00451	-0.02037	-0.03602	0.00144	-0.00649	-0.01148	0.00054	0.00020	-0.00010
7744	1888.27	123.9	3.51	0.67	0.0413	0.0092	15.11	1.190	-4.511	3.1393	0.00313	-0.01962	-0.03615	0.00100	-0.00625	-0.01152	0.00010	0.00045	-0.00013
7745	1887.98	123.8	3.51	0.69	0.0410	0.0099	15.24	1.191	-4.401	3.1390	0.00240	-0.02203	-0.03497	0.00076	-0.00702	-0.01114	-0.00013	-0.00032	0.00024
7746	1888.13	123.7	3.51	0.67	0.0393	0.0081	15.36	1.190	-4.263	3.1393	0.00320	-0.02111	-0.03526	0.00102	-0.00672	-0.01123	0.00012	-0.00003	0.00015
7747	1888.13	123.5	3.51	0.67	0.0386	0.0030	15.49	1.190	-4.138	3.1387	0.00292	-0.01998	-0.03411	0.00093	-0.00636	-0.01087	0.00004	0.00033	0.00051
7748	1887.98	123.8	3.51	0.67	0.0365	0.0075	15.61	1.190	-4.006	3.1392	0.00299	-0.02142	-0.03608	0.00095	-0.00682	-0.01149	0.00006	-0.00013	-0.00011
7749	1888.13	123.8	3.51	0.66	0.0375	0.0053	15.74	1.190	-3.878	3.1399	0.00271	-0.02133	-0.03620	0.00086	-0.00679	-0.01153	-0.00003	-0.00010	-0.00015
7750	1887.84	123.8	3.51	0.65	0.0365	0.0047	15.86	1.189	-3.749	3.1386	0.00346	-0.02084	-0.03540	0.00110	-0.00664	-0.01128	0.00021	0.00005	0.00010
7751	1887.98	123.8	3.51	0.66	0.0386	0.0012	15.99	1.190	-3.625	3.1391	0.00228	-0.02129	-0.03620	0.00073	-0.00678	-0.01153	-0.00017	-0.00009	-0.00015
7752	1887.70	123.9	3.51	0.65	0.0365	0.0056	16.11	1.189	-3.492	3.1389	0.00220	-0.02122	-0.03628	0.00070	-0.00701	-0.01156	-0.00020	-0.00032	-0.00018
7753	1887.98	123.8	3.51	0.66	0.0369	0.0049	16.24	1.189	-3.374	3.1384	0.00266	-0.02004	-0.03477	0.00085	-0.00639	-0.01108	-0.00005	0.00031	0.00030
7754	1887.55	123.9	3.51	0.65	0.0352	0.0077	16.36	1.189	-3.245	3.1381	0.00358	-0.02150	-0.03584	0.00114	-0.00685	-0.01142	0.00025	-0.00016	-0.00004
7755	1888.27	123.8	3.51	0.65	0.0362	0.0073	16.49	1.189	-3.123	3.1378	0.00413	-0.01899	-0.03410	0.00132	-0.00605	-0.01087	0.00042	0.00064	0.00051
7756	1888.56	124.0	3.51	0.65	0.0358	0.0090	16.61	1.189	-2.996	3.1401	0.00084	-0.01819	-0.03736	0.00027	-0.00579	-0.01190	-0.00063	0.00090	-0.00052
7757	1888.13	124.1	3.51	0.66	0.0369	0.0077	16.74	1.190	-2.878	3.1395	0.00335	-0.01560	-0.03759	0.00107	-0.00497	-0.01197	0.00017	0.00173	-0.00059
7758	1887.84	124.1	3.51	0.66	0.0382	0.0047	16.86	1.190	-2.753	3.1387	0.00540	-0.01720	-0.03590	0.00172	-0.00548	-0.01144	0.00082	0.00121	-0.00005
7759	1888.27	124.0	3.51	0.66	0.0344	0.0157	16.98	1.189	-2.625	3.1392	0.00816	-0.02246	-0.03423	0.00260	-0.00715	-0.01090	0.00170	-0.00046	0.00048
7760	1888.13	123.8	3.51	0.65	0.0355	0.0163	17.11	1.189	-2.497	3.1395	0.00729	-0.02325	-0.03596	0.00232	-0.00741	-0.01145	0.00143	-0.00071	-0.00007
7761	1888.27	123.8	3.51	0.66	0.0393	0.0090	17.24	1.190	-2.378	3.1388	0.00452	-0.02199	-0.03400	0.00144	-0.00700	-0.01083	0.00054	-0.00031	0.00055
7762	1887.70	123.8	3.51	0.65	0.0351	0.0179	17.36	1.189	-2.246	3.1383	0.00218	-0.02184	-0.03538	0.00070	-0.00696	-0.01127	-0.00020	-0.00026	0.00011
7763	1887.84	123.8	3.51	0.65	0.0369	0.0123	17.49	1.189	-2.123	3.1384	0.00181	-0.01986	-0.03519	0.00058	-0.00633	-0.01121	-0.00032	0.00037	0.00017
7764	1887.84	123.9	3.51	0.66	0.0389	0.0088	17.61	1.190	-2.002	3.1377	0.00057	-0.01564	-0.03461	0.00018	-0.00498	-0.01103	-0.00071	0.00171	0.00035
7765	1887.98	123.9	3.51	0.66	0.0417	0.0057	17.74	1.190	-1.881	3.1390	0.00377	-0.01231	-0.03591	0.00120	-0.00392	-0.01144	0.00031	0.00277	-0.00006
7766	1888.42	123.8	3.51	0.65	0.0393	0.0071	17.86	1.190	-1.751	3.1406	0.00571	-0.01084	-0.03825	0.00182	-0.00345	-0.01218	0.00092	0.00324	-0.00080
7767	1888.13	124.1	3.51	0.66	0.0420	0.0031	17.99	1.190	-1.630	3.1390	0.01087	-0.01101	-0.03640	0.00346	-0.00351	-0.01160	0.00257	0.00319	-0.00022
7768	1887.98	124.1	3.51	0.65	0.0430	-0.0010	18.11	1.190	-1.504	3.1394	0.01400	-0.01697	-0.03212	0.00446	-0.00540	-0.01023	0.00356	0.01229	0.00115
7769	1888.13	123.9	3.51	0.67	0.0396	0.0055	18.24	1.190	-1.386	3.1387	0.00986	-0.02206	-0.03066	0.00314	-0.00703	-0.00977	0.00225	-0.00033	0.00161
7770	1887.84	124.1	3.51	0.66	0.0417	0.0038	18.36	1.190	-1.259	3.1385	0.00638	-0.02361	-0.03345	0.00203	-0.00752	-0.01066	0.00114	-0.00083	0.00072
7771	1887.55	124.1	3.51	0.67	0.0400	0.0057	18.49	1.190	-1.134	3.1393	-0.00012	-0.02723	-0.03501	-0.00004	-0.00867	-0.01115	-0.00093	-0.00198	0.00023
7772	1887.84	124.1	3.51	0.66	0.0396	0.0036	18.61	1.190	-1.001	3.1383	0.00001	-0.01869	-0.03694	0.00000	-0.00595	-0.01177	-0.00089	0.00074	-0.00039
7773	1888.13	124.3	3.51	0.66	0.0444	-0.0003	18.74	1.190	-0.885	3.1387	-0.00078	-0.01415	-0.03749	-0.00025	-0.00451	-0.01194	-0.00114	0.00219	-0.00056
7774	1887.98	124.0	3.51	0.66	0.0420	0.0021	18.86	1.190	-0.759	3.1393	0.00168	-0.00794	-0.03595	0.00054	-0.00253	-0.01145	-0.00036	0.00417	-0.00007
7775	1888.27	123.9	3.51	0.67	0.0420	0.0049	18.99	1.190	-0.637	3.1391	0.01064	-0.00643	-0.03350	0.00339	-0.00205	-0.01067	0.00249	0.00465	0.00071
7776	1888.27	123.9	3.51	0.66	0.0413	0.0036	19.11	1.190	-0.506	3.1390	0.01573	-0.00913	-0.03065	0.00501	-0.00291	-0.00977	0.00412	0.00379	0.00162
7777	1887.70	124.0	3.51	0.66	0.0472	-0.0016	19.24	1.190	-0.383	3.1389	0.01617	-0.01205	-0.02751	0.00515	-0.00384	-0.00877	0.00426	0.00285	0.00262
7778	1887.84	123.8	3.51	0.67	0.0444	0.0025	19.36	1.190	-0.264	3.1381	0.01508	-0.01692	-0.02702	0.00481	-0.00539	-0.00861	0.00391	0.00130	0.00277
7779	1888.27	123.8	3.51	0.67	0.0441	0.0051	19.49	1.190	-0.135	3.1390	0.01073	-0.02010	-0.03007	0.00342	-0.00640	-0.00958	0.00252	0.00029	0.00180
7780	1888.27	123.9	3.51	0.66	0.0478	-0.0003	19.61	1.190	-0.012	3.1393	0.00646	-0.02479	-0.03341	0.00206	-0.00790	-0.01064	0.00116	-0.00120	0.00074
7781	1887.55	123.8	3.51	0.67	0.0427	0.0072	19.74	1.190	0.113	3.1388	-0.00091	-0.02071	-0.03755	-0.00029	-0.00660	-0.01196	-0.00119	0.00010	-0.00058
7782	1887.84	123.9	3.51	0.66	0.0458	0.0005	19.87	1.190	0.243	3.1390	0.00185	-0.01355	-0.03967	-0.00059	-0.00432	-0.01264	-0.00149	0.00238	-0.00126
7783	1887.55	124.2	3.51	0.66	0.0458	0.0033	19.99	1.190	0.362	3.1389	0.00044	-0.00514	-0.03990	0.00014	-0.00164	-0.01271	-0.00075	0.00506	-0.00133
7784	1887.55	124.1	3.51	0.66	0.0430	0.0102	20.11	1.190	0.491	3.1386	0.00659	-0.00477	-0.03645	0.00210	-0.00152	-0.01161	0.00120	0.00517	-0.00023
7785	1888.27	123.9	3.51	0.67	0.0430	0.0083	20.24	1.190	0.613	3.1398	0.01607	-0.00582	-0.02954	0.00512	-0.00185	-0.00941	0.00422	0.00484	0.00197
7786	1888.13	123.9	3.51	0.67	0.0482	-0.0010	20.36	1.191	0.730	3.1393	0.01831	-0.00817	-0.02781	0.00583	-0.00260	-0.00886	0.00494	0.00409	0.00252
7787	1887.98	123.8	3.51	0.66	0.0441	0.0023	20.49	1.											

Table A5. Continued.

Run = 135

M = 1.60

xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7807	1887.98	124.2	3.51	0.66	0.0485	0.0010	22.99	1.190	3.367	3.1393	0.01387	-0.00675	-0.02186	0.00442	-0.00215	-0.00696	0.00352	0.00455	0.00442
7808	1887.70	124.0	3.51	0.66	0.0444	-0.0003	23.11	1.190	3.491	3.1386	0.01526	-0.00536	-0.02319	0.00486	-0.00171	-0.00739	0.00397	0.00499	0.00399
7809	1887.70	123.9	3.51	0.66	0.0448	-0.0001	23.24	1.190	3.619	3.1380	0.01695	-0.00279	-0.02183	0.00540	-0.00089	-0.00696	0.00451	0.00581	0.00443
7810	1887.98	123.9	3.51	0.65	0.0441	0.0023	23.36	1.190	3.746	3.1384	0.01693	-0.00327	-0.02280	0.00539	-0.00104	-0.00727	0.00450	0.00565	0.00412
7811	1888.27	124.0	3.51	0.65	0.0437	0.0003	23.49	1.190	3.873	3.1401	0.01663	-0.00281	-0.02536	0.00529	-0.00089	-0.00808	0.00440	0.00580	0.00331
7812	1888.42	123.9	3.51	0.66	0.0444	-0.0003	23.61	1.190	3.992	3.1396	0.01788	-0.00338	-0.02392	0.00569	-0.00108	-0.00762	0.00480	0.00562	0.00376
7813	1888.42	124.2	3.51	0.66	0.0465	-0.0010	23.74	1.190	4.116	3.1391	0.01898	-0.00295	-0.02458	0.00605	-0.00094	-0.00783	0.00515	0.00575	0.00355
7814	1887.98	124.2	3.51	0.65	0.0441	0.0014	23.86	1.190	4.249	3.1392	0.01831	-0.00637	-0.02439	0.00583	-0.00203	-0.00777	0.00494	0.00467	0.00361
7815	1888.27	124.1	3.51	0.66	0.0461	0.0007	23.99	1.190	4.367	3.1391	0.01822	-0.00656	-0.02539	0.00581	-0.00209	-0.00809	0.00491	0.00461	0.00329
7816	1888.13	124.1	3.51	0.65	0.0427	0.0034	24.11	1.190	4.498	3.1397	0.01594	-0.00793	-0.02399	0.00508	-0.00253	-0.00764	0.00418	0.00417	0.00374
7817	1887.70	124.1	3.51	0.65	0.0434	0.0057	24.24	1.190	4.621	3.1388	0.01459	-0.00448	-0.02520	0.00465	-0.00143	-0.00803	0.00375	0.00527	0.00335
7818	1887.41	124.1	3.51	0.65	0.0403	0.0049	24.36	1.189	4.752	3.1382	0.01609	-0.00013	-0.02328	0.00513	-0.00004	-0.00742	0.00423	0.00665	0.00396
7819	1887.84	124.0	3.51	0.65	0.0410	0.0053	24.49	1.190	4.875	3.1384	0.01801	0.00251	-0.02322	0.00574	0.00080	-0.00740	0.00484	0.00750	0.00398
7820	1887.84	123.9	3.51	0.65	0.0406	0.0079	24.61	1.189	5.003	3.1385	0.02117	0.00308	-0.02083	0.00675	0.00098	-0.00664	0.00585	0.00768	0.00474
7821	1887.84	123.8	3.51	0.65	0.0417	0.0010	24.74	1.189	5.128	3.1392	0.02294	0.00186	-0.02009	0.00731	0.00059	-0.00640	0.00641	0.00729	0.00498
7822	1887.98	123.7	3.51	0.66	0.0430	-0.0029	24.86	1.190	5.244	3.1395	0.02446	0.00103	-0.02226	0.00779	0.00033	-0.00709	0.00690	0.00702	0.00429
7823	1887.70	123.8	3.51	0.65	0.0413	0.0017	24.99	1.189	5.377	3.1385	0.02289	-0.00025	-0.02030	0.00729	-0.00008	-0.00647	0.00640	0.00662	0.00491
7824	1887.98	123.9	3.51	0.65	0.0424	-0.0005	25.11	1.190	5.498	3.1390	0.02154	0.00068	-0.01945	0.00686	0.00022	-0.00620	0.00597	0.00691	0.00518
7825	1887.98	123.9	3.51	0.65	0.0406	0.0023	25.24	1.190	5.623	3.1387	0.01974	0.00157	-0.02141	0.00629	0.00050	-0.00682	0.00539	0.00720	0.00456
7826	1887.41	124.1	3.51	0.66	0.0413	0.0008	25.36	1.190	5.747	3.1372	0.02040	0.00044	-0.02133	0.00650	0.00014	-0.00680	0.00561	0.00684	0.00458
7827	1887.70	124.2	3.51	0.66	0.0437	-0.0025	25.49	1.190	5.868	3.1381	0.02143	-0.00004	-0.02230	0.00683	-0.00001	-0.00711	0.00594	0.00668	0.00428
7828	1887.41	124.3	3.50	0.65	0.0417	0.0001	25.61	1.190	6.000	3.1373	0.02156	0.00254	-0.02234	0.00687	0.00081	-0.00712	0.00598	0.00750	0.00426
7829	1887.84	124.1	3.51	0.65	0.0369	0.0086	25.74	1.189	6.131	3.1382	0.02185	0.00613	-0.01804	0.00696	0.00195	-0.00575	0.00607	0.00865	0.00563
7830	1887.98	124.0	3.51	0.65	0.0393	0.0043	25.86	1.189	6.256	3.1386	0.02357	0.00798	-0.01527	0.00751	0.00254	-0.00487	0.00662	0.00924	0.00652
7831	1887.70	124.0	3.51	0.65	0.0396	0.0036	25.99	1.189	6.382	3.1383	0.02682	0.01011	-0.01146	0.00855	0.00322	-0.00365	0.00765	0.00992	0.00773
7832	1887.70	124.1	3.51	0.65	0.0396	0.0064	26.11	1.189	6.502	3.1376	0.02809	0.01035	-0.01531	0.00895	0.00330	-0.00488	0.00806	0.00999	0.00650
7833	1887.84	124.2	3.51	0.65	0.0427	0.0025	26.24	1.190	6.624	3.1394	0.02806	0.01033	-0.01591	0.00894	0.00329	-0.00507	0.00804	0.00999	0.00632
7834	1887.70	124.0	3.51	0.65	0.0382	0.0066	26.36	1.189	6.755	3.1383	0.02924	0.01181	-0.01546	0.00932	0.00376	-0.00493	0.00842	0.01046	0.00646
7835	1887.55	124.1	3.51	0.65	0.0427	0.0044	26.49	1.190	6.873	3.1367	0.03098	0.01743	-0.01221	0.00988	0.00556	-0.00389	0.00898	0.01225	0.00749
7836	1888.27	124.1	3.51	0.66	0.0375	0.0109	26.61	1.189	7.007	3.1396	0.02914	0.01392	-0.01732	0.00928	0.00443	-0.00552	0.00839	0.01113	0.00587
7837	1888.42	124.1	3.51	0.65	0.0403	0.0077	26.74	1.190	7.123	3.1398	0.03132	0.01488	-0.01789	0.00998	0.00474	-0.00570	0.00908	0.01143	0.00569
7838	1887.70	124.3	3.51	0.66	0.0424	0.0051	26.86	1.190	7.246	3.1375	0.03235	0.01726	-0.01446	0.01031	0.00550	-0.00461	0.00942	0.01220	0.00677
7839	1887.26	124.1	3.51	0.65	0.0406	0.0098	26.99	1.189	7.376	3.1382	0.03209	0.01811	-0.01536	0.01022	0.00577	-0.00490	0.00933	0.01247	0.00649
7840	1887.70	123.9	3.51	0.65	0.0417	0.0047	27.11	1.190	7.498	3.1367	0.03550	0.01890	-0.01203	0.01132	0.00603	-0.00383	0.01042	0.01272	0.00755
7841	1887.55	123.9	3.51	0.65	0.0399	0.0112	27.24	1.189	7.625	3.1393	0.03304	0.01464	-0.01146	0.01053	0.00466	-0.00365	0.00963	0.01136	0.00773
7842	1887.70	124.0	3.51	0.65	0.0420	0.0049	27.36	1.190	7.750	3.1384	0.03474	0.01083	-0.00601	0.01107	0.00345	-0.00191	0.01018	0.01015	0.00947
7843	1888.13	124.0	3.51	0.65	0.0403	0.0068	27.49	1.189	7.879	3.1390	0.03280	0.00743	-0.00936	0.01045	0.00237	-0.00298	0.00955	0.00906	0.00840
7844	1887.41	124.0	3.51	0.65	0.0441	0.0014	27.61	1.190	7.996	3.1384	0.03084	0.00486	-0.00686	0.00983	0.00155	-0.00219	0.00893	0.00824	0.00920
7845	1887.55	124.0	3.51	0.65	0.0424	0.0088	27.74	1.190	8.122	3.1385	0.02641	0.00154	-0.00739	0.00842	0.00049	-0.00236	0.00752	0.00718	0.00903
7846	1887.70	124.0	3.51	0.65	0.0420	0.0068	27.86	1.189	8.253	3.1383	0.02298	0.00101	-0.00708	0.00732	0.00032	-0.00225	0.00643	0.00702	0.00913
7847	1887.70	124.0	3.51	0.65	0.0430	0.0064	27.99	1.190	8.374	3.1384	0.02103	0.00010	-0.00566	0.00670	0.00003	-0.00180	0.00581	0.00673	0.00958
7848	1888.13	124.1	3.51	0.65	0.0434	0.0075	28.22	1.190	8.607	3.1390	0.01634	-0.00870	-0.00466	0.00521	-0.00277	-0.00149	0.00431	0.00392	0.00990
7849	1887.55	124.1	3.51	0.65	0.0427	0.0100	28.24	1.190	8.624	3.1375	0.01646	-0.00901	-0.00409	0.00525	-0.00287	-0.00130	0.00435	0.00382	0.01008
7850	1887.70	124.0	3.51	0.65	0.0427	0.0062	28.36	1.190	8.746	3.1394	0.01366	-0.01563	-0.00324	0.00435	-0.00498	-0.00103	0.00346	0.00172	0.01035
7851	1887.84	123.9	3.51	0.65	0.0417	0.0085	28.49	1.190	8.875	3.1376	0.00860	-0.02124	-0.00294	0.00274	-0.00677	-0.00094	0.00185	-0.00007	0.01045
7852	1888.13	123.9	3.51	0.65	0.0441	0.0070	28.61	1.190	8.998	3.1382	0.00359	-0.02294	-0.00529	0.00114	-0.00932	-0.00168	0.00025	-0.00262	0.00970
7853	1888.13	123.8	3.51	0.65	0.0434	0.0029	28.74	1.190	9.121	3.1392	-0.00494	-0.04099	-0.00661	-0.00157	-0.01306	-0.00211	-0.00247	-0.00636	0.00928
7854	1888.27	123.9	3.51	0.65	0.0406	0.0088	28.86	1.189	9.255	3.1391	-0.01174	-0.04558	-0.01073	-0.00374	-0.01452	-0.00342	-0.00463	-0.00782	0.00796
7855	1888.13	123.9	3.51	0.65	0.0437	0.0031	28.99	1.190	9.374	3.1390	0.01600	-0.04797	-0.01340	-0.00510	-0.01528	-0.00427	-0.00599	-0.00859	0.00711
7856	1888.13	124.0	3.51	0.65	0.0423	0.0060	29.11	1.189	9.502	3.1385	-0.02295	-0.04963	-0.01731	-0.00731	-0.01581	-0.00552	-0.00821	-0.00912	0.00587
7857	1887.70	124.1	3.51	0.65	0.0434	0.0057	29.24	1.190	9.623	3.1374	-0.02583	-0.04630	-0.02090	-0.00823	-0.01476	-0.00666	-0.00913	-0.00806	0.00472
7858	1887.84	124.2	3.51	0.65	0.0448	0.0036	29.36	1.190	9.745	3.1392	-0.03027	-0.03808	-0.02552	-0.00964	-0.01213	-0.00813	-0.01054	-0.00544	0.00325
7859	1888.13	124.1	3.51	0.65	0.0437	0.0003	29.49	1.190	9.871	3.1389	-0.02638	-0.03476	-0.02759	-0.00840	-0.01107	-0.00879	-0.00930	-0.00438	0.00259
7860	1887.98	124.2	3.51	0.65	0.0423														

Table A5. Concluded.

Run = 135

M = 1.60

xsppos = 39.848

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7880	1887.98	123.8	3.51	0.65	0.0437	0.0012	32.11	1.190	12.494	3.1392	-0.00494	-0.02397	-0.04808	-0.00157	-0.00763	-0.01532	-0.00247	-0.00094	-0.00393
7881	1888.13	123.9	3.51	0.65	0.0444	-0.0031	32.24	1.190	12.620	3.1393	-0.00260	-0.02674	-0.04145	-0.00083	-0.00852	-0.01320	-0.00172	-0.00182	-0.00182
7882	1888.13	123.9	3.51	0.66	0.0454	-0.0035	32.36	1.190	12.741	3.1387	0.00002	-0.02734	-0.04176	0.00001	-0.00871	-0.01330	-0.00089	-0.00202	-0.00192
7883	1887.84	124.0	3.51	0.66	0.0479	-0.0059	32.49	1.190	12.865	3.1389	-0.00034	-0.02712	-0.04423	-0.00011	-0.00864	-0.01409	-0.00100	-0.00195	-0.00271
7884	1887.70	124.3	3.51	0.65	0.0437	0.0003	32.61	1.190	12.997	3.1389	-0.00269	-0.02922	-0.04599	-0.00086	-0.00931	-0.01465	-0.00175	-0.00261	-0.00327
7885	1887.70	124.1	3.51	0.65	0.0410	-0.0003	32.74	1.189	13.125	3.1383	-0.00341	-0.03158	-0.04365	-0.00109	-0.01006	-0.01391	-0.00198	-0.00337	-0.00253
7886	1887.70	124.2	3.51	0.65	0.0434	-0.0027	32.86	1.190	13.246	3.1384	-0.00585	-0.03343	-0.04543	-0.00186	-0.01065	-0.01448	-0.00276	-0.00396	-0.00309
7887	1888.42	123.9	3.51	0.65	0.0444	-0.0022	32.99	1.190	13.374	3.1397	-0.00697	-0.03539	-0.04524	-0.00222	-0.01127	-0.01441	-0.00312	-0.00458	-0.00303
7888	1888.13	123.9	3.51	0.65	0.0441	-0.0014	33.11	1.190	13.495	3.1400	-0.00991	-0.03524	-0.04600	-0.00316	-0.01122	-0.01465	-0.00405	-0.00453	-0.00327
7889	1888.27	124.0	3.51	0.66	0.0451	-0.0027	33.24	1.190	13.620	3.1391	-0.00973	-0.03417	-0.04373	-0.00310	-0.01089	-0.01393	-0.00400	-0.00419	-0.00255
7890	1888.27	124.0	3.51	0.66	0.0461	-0.0031	33.36	1.190	13.740	3.1397	-0.01018	-0.02915	-0.04512	-0.00324	-0.00929	-0.01437	-0.00414	-0.00259	-0.00299
7891	1887.70	124.1	3.51	0.65	0.0448	-0.0048	33.49	1.190	13.870	3.1387	-0.00621	-0.02402	-0.04432	-0.00198	-0.00765	-0.01412	-0.00287	-0.00096	-0.00274
7892	1887.98	124.2	3.51	0.65	0.0465	-0.0038	33.61	1.190	13.993	3.1392	-0.00101	-0.02239	-0.04393	-0.00322	-0.00713	-0.01399	-0.00122	-0.00044	-0.00261
7893	1887.98	124.1	3.51	0.65	0.0444	-0.0012	33.74	1.190	14.120	3.1391	0.00199	-0.02308	-0.04580	0.00063	-0.00735	-0.01459	-0.00026	-0.00066	-0.00321
7894	1888.13	123.9	3.51	0.65	0.0458	-0.0014	33.86	1.190	14.242	3.1387	0.00347	-0.02789	-0.04462	0.00111	-0.00889	-0.01422	0.00021	-0.00219	-0.00283
7895	1887.70	123.9	3.51	0.65	0.0461	-0.0012	33.99	1.190	14.369	3.1387	0.00119	-0.03054	-0.04527	0.00038	-0.00973	-0.01442	-0.00051	-0.00303	-0.00304
7896	1888.13	124.1	3.51	0.66	0.0441	-0.0014	34.11	1.190	14.493	3.1397	-0.00319	-0.03431	-0.04544	-0.00102	-0.01093	-0.01447	-0.00191	-0.00423	-0.00309
7897	1888.27	124.1	3.51	0.66	0.0434	-0.0018	34.24	1.190	14.622	3.1385	-0.00589	-0.03061	-0.04815	-0.00188	-0.00975	-0.01534	-0.00277	-0.00306	-0.00396
7898	1888.13	124.1	3.51	0.65	0.0444	0.0006	34.36	1.190	14.745	3.1393	-0.00934	-0.02640	-0.05047	-0.00298	-0.00841	-0.01608	-0.00387	-0.00171	-0.00469
7899	1887.98	124.1	3.51	0.65	0.0444	-0.0031	34.49	1.190	14.871	3.1387	-0.00556	-0.01981	-0.04748	-0.00177	-0.00631	-0.01513	-0.00267	0.00038	-0.00374
7900	1888.27	124.0	3.51	0.65	0.0417	-0.0009	34.61	1.189	15.002	3.1390	0.00060	-0.01575	-0.04706	0.00019	-0.00502	-0.01499	-0.00071	0.00168	-0.00361
7901	1888.27	124.1	3.51	0.66	0.0420	-0.0025	34.74	1.190	15.123	3.1396	0.00447	-0.01648	-0.03942	0.00142	-0.00525	-0.01256	0.00053	0.00145	-0.00117
7902	1887.98	124.1	3.51	0.65	0.0417	0.0010	34.86	1.190	15.250	3.1392	0.00732	-0.01670	-0.03539	0.00233	-0.00532	-0.01127	0.00144	0.00137	0.00011
7903	1887.55	124.1	3.51	0.65	0.0437	-0.0016	34.99	1.190	15.373	3.1386	0.00726	-0.01568	-0.03481	0.00231	-0.00500	-0.01109	0.00142	0.00170	0.00029
7904	1887.84	123.9	3.51	0.65	0.0444	-0.0022	35.11	1.190	15.495	3.1393	0.00898	-0.01637	-0.03749	0.00286	-0.00522	-0.01195	0.00197	0.00148	-0.00057
7905	1888.42	123.9	3.51	0.65	0.0427	-0.0050	35.24	1.190	15.621	3.1398	0.00757	-0.02050	-0.04081	0.00241	-0.00653	-0.01300	0.00151	0.00017	-0.00162
7906	1887.98	123.9	3.51	0.65	0.0413	-0.0020	35.36	1.190	15.750	3.1384	0.00750	-0.01920	-0.04508	0.00239	-0.00612	-0.01436	0.00149	0.00058	-0.00298
7907	1887.84	123.9	3.51	0.66	0.0448	-0.0029	35.49	1.190	15.868	3.1391	0.00591	-0.02129	-0.04585	0.00188	-0.00678	-0.01461	0.00099	-0.00009	-0.00323
7908	1887.84	124.2	3.51	0.65	0.0417	-0.0027	35.61	1.189	16.002	3.1387	0.00435	-0.01971	-0.04637	0.00139	-0.00628	-0.01477	0.00049	0.00042	-0.00339
7909	1888.42	124.2	3.51	0.66	0.0448	-0.0076	35.74	1.190	16.116	3.1400	0.00271	-0.02155	-0.04117	0.00086	-0.00686	-0.01311	-0.00003	-0.00017	-0.00173
7910	1887.98	124.3	3.51	0.65	0.0413	-0.0039	35.86	1.189	16.252	3.1386	0.00381	-0.02041	-0.03447	0.00121	-0.00650	-0.01098	0.00032	0.00019	0.00040
7911	1887.98	124.2	3.51	0.65	0.0437	-0.0035	35.99	1.190	16.370	3.1387	0.00452	-0.02108	-0.03424	0.00144	-0.00672	-0.01091	0.00055	-0.00002	0.00047
7912	1887.98	124.1	3.51	0.66	0.0444	-0.0078	36.11	1.190	16.495	3.1394	0.00359	-0.02002	-0.03184	0.00114	-0.00638	-0.01014	0.00025	0.00032	0.00124
7913	1888.13	124.1	3.51	0.65	0.0427	-0.0050	36.24	1.190	16.623	3.1391	0.00256	-0.02189	-0.03195	0.00082	-0.00697	-0.01018	-0.00008	-0.00028	0.00121
7914	1887.84	124.0	3.51	0.65	0.0430	-0.0020	36.36	1.189	16.750	3.1380	0.00321	-0.01988	-0.03228	0.00102	-0.00633	-0.01029	0.00013	0.00036	0.00109
7915	1888.13	124.0	3.51	0.65	0.0448	-0.0076	36.49	1.190	16.872	3.1392	0.00358	-0.02053	-0.03355	0.00114	-0.00654	-0.01069	0.00025	0.00015	0.00069
7916	1887.84	124.0	3.51	0.65	0.0420	-0.0063	36.61	1.189	17.000	3.1394	0.00440	-0.02065	-0.03316	0.00140	-0.00658	-0.01056	0.00050	0.00012	0.00082
7917	1888.27	123.7	3.51	0.66	0.0448	-0.0066	36.74	1.190	17.116	3.1401	0.00395	-0.02180	-0.03523	0.00126	-0.00694	-0.01122	0.00036	-0.00025	0.00016
7918	1887.98	123.8	3.51	0.66	0.0437	-0.0035	36.86	1.190	17.240	3.1389	0.00401	-0.02052	-0.03616	0.00128	-0.00654	-0.01152	0.00038	0.00016	-0.00014
7919	1888.13	123.9	3.51	0.65	0.0434	-0.0037	36.99	1.190	17.372	3.1384	0.00677	-0.02009	-0.03412	0.00216	-0.00640	-0.01087	0.00126	0.00029	0.00051
7920	1888.56	124.0	3.51	0.65	0.0427	-0.0050	37.11	1.190	17.496	3.1401	0.00306	-0.02121	-0.03498	0.00098	-0.00675	-0.01114	0.00008	-0.00006	0.00024
7921	1888.42	123.9	3.51	0.65	0.0430	-0.0029	37.24	1.189	17.624	3.1394	0.00396	-0.01951	-0.03528	0.00126	-0.00622	-0.01124	0.00037	0.00048	0.00015
7922	1887.98	124.1	3.51	0.65	0.0444	-0.0022	37.36	1.190	17.747	3.1395	0.00290	-0.02061	-0.03617	0.00092	-0.00656	-0.01152	0.00003	0.00013	-0.00014
7923	1888.42	124.1	3.51	0.65	0.0441	-0.0051	37.49	1.190	17.874	3.1400	0.00381	-0.02036	-0.03546	0.00121	-0.00649	-0.01129	0.00032	0.00021	0.00009
7924	1887.84	124.0	3.51	0.65	0.0437	-0.0044	37.61	1.190	17.996	3.1388	0.00348	-0.01828	-0.03412	0.00111	-0.00583	-0.01087	0.00021	0.00087	0.00051
7925	1888.13	124.0	3.51	0.65	0.0403	0.0002	37.74	1.189	18.130	3.1390	0.00324	-0.02042	-0.03624	0.00103	-0.00651	-0.01154	0.00014	0.00019	-0.00016
7926	1887.70	124.1	3.51	0.65	0.0389	0.0014	37.86	1.189	18.251	3.1387	0.00495	-0.01885	-0.03661	0.00158	-0.00601	-0.01166	0.00068	0.00069	-0.00028
7927	1887.84	123.9	3.51	0.65	0.0413	0.0008	37.99	1.189	18.379	3.1382	0.00313	-0.01976	-0.03606	0.00100	-0.00630	-0.01149	0.00010	0.00040	-0.00011

Table A6. Run 136.

Run = 136

M = 1.60

xsppos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
7928	1887.70	124.1	3.51	-0.24	-0.0020	0.0469	21.36	1.668	-6.137	3.1373	-0.00939	0.03233	-0.03442	-0.00299	0.01030	-0.01097	-0.00006	0.00033	0.00003
7929	1888.13	124.2	3.51	-0.24	-0.0026	0.0410	21.48	1.668	-6.011	3.1394	-0.01010	0.03138	-0.03521	-0.00322	0.01000	-0.01122	-0.00028	0.00003	-0.00022
7930	1888.56	124.1	3.51	-0.24	-0.0037	0.0432	21.61	1.668	-5.886	3.1398	-0.00831	0.03072	-0.03420	-0.00265	0.00978	-0.01089	0.00029	-0.00019	0.00011
7931	1887.98	124.1	3.51	-0.24	-0.0006	0.0393	21.73	1.668	-5.766	3.1392	-0.00886	0.03081	-0.03386	-0.00282	0.00981	-0.01079	0.00011	-0.00016	0.00022
7932	1887.41	124.3	3.51	-0.24	-0.0023	0.0374	21.86	1.668	-5.638	3.1381	-0.00940	0.03124	-0.03498	-0.00300	0.00996	-0.01115	-0.00006	-0.00001	-0.00014
7933	1888.13	124.3	3.51	-0.23	-0.0012	0.0352	21.98	1.668	-5.518	3.1392	-0.01047	0.03140	-0.03426	-0.00334	0.01000	-0.01091	-0.00040	0.00003	0.00009
7934	1888.13	124.1	3.51	-0.23	-0.0036	0.0329	22.11	1.668	-5.393	3.1399	-0.00939	0.03095	-0.03541	-0.00299	0.00986	-0.01128	-0.00006	-0.00011	-0.00027
7935	1888.13	124.1	3.51	-0.23	-0.0009	0.0279	22.23	1.669	-5.276	3.1392	-0.00960	0.03266	-0.03564	-0.00306	0.01041	-0.01135	-0.00012	0.00043	-0.00035
7936	1887.70	124.1	3.51	-0.22	-0.0036	0.0339	22.36	1.668	-5.149	3.1382	-0.00814	0.03243	-0.03330	-0.00259	0.01033	-0.01061	0.00034	0.00036	0.00039
7937	1888.27	123.9	3.51	-0.22	-0.0002	0.0311	22.48	1.669	-5.034	3.1389	-0.00939	0.03147	-0.03415	-0.00299	0.01003	-0.01088	-0.00005	0.00006	0.00012
7938	1888.27	124.1	3.51	-0.22	-0.0009	0.0317	22.61	1.669	-4.901	3.1385	-0.01013	0.03069	-0.03490	-0.00323	0.00978	-0.01112	-0.00029	-0.00019	-0.00012
7939	1888.27	124.0	3.51	-0.21	0.0015	0.0330	22.73	1.669	-4.789	3.1400	-0.00974	0.03256	-0.03636	-0.00310	0.01037	-0.01158	-0.00017	0.00040	-0.00058
7940	1888.13	124.0	3.51	-0.21	0.0042	0.0364	22.86	1.670	-4.670	3.1393	-0.00723	0.03278	-0.03632	-0.00230	0.01044	-0.01157	0.00063	0.00047	-0.00057
7941	1887.98	124.1	3.51	-0.23	-0.0030	0.0417	22.98	1.668	-4.520	3.1394	-0.00905	0.03307	-0.03610	-0.00288	0.01054	-0.01150	0.00005	0.00056	-0.00050
7942	1888.13	124.0	3.51	-0.22	-0.0054	0.0478	23.11	1.669	-4.399	3.1388	-0.00928	0.03108	-0.03342	-0.00296	0.00990	-0.01065	-0.00002	-0.00007	0.00035
7943	1888.13	124.1	3.51	-0.22	-0.0023	0.0430	23.23	1.669	-4.278	3.1398	-0.00995	0.03172	-0.03465	-0.00317	0.01010	-0.01104	-0.00023	0.00013	-0.00004
7944	1887.84	124.1	3.51	-0.22	-0.0019	0.0451	23.36	1.669	-4.154	3.1385	-0.00893	0.03341	-0.03364	-0.00284	0.01064	-0.01072	0.00009	0.00067	0.00028
7945	1888.13	124.0	3.51	-0.22	-0.0040	0.0411	23.48	1.669	-4.026	3.1390	-0.00988	0.03159	-0.03415	-0.00315	0.01006	-0.01088	-0.00021	0.00009	0.00012
7946	1887.84	124.0	3.51	-0.22	-0.0016	0.0415	23.61	1.669	-3.907	3.1387	-0.00776	0.03107	-0.03465	-0.00247	0.00990	-0.01104	0.00046	-0.00007	-0.00004
7947	1887.98	124.0	3.51	-0.22	-0.0023	0.0411	23.73	1.669	-3.776	3.1383	-0.00861	0.03192	-0.03437	-0.00274	0.01017	-0.01095	0.00019	0.00020	0.00005
7948	1887.84	124.1	3.51	-0.22	-0.0002	0.0386	23.86	1.669	-3.659	3.1384	-0.00828	0.03284	-0.03362	-0.00264	0.01046	-0.01071	0.00030	0.00049	0.00029
7949	1887.98	124.1	3.51	-0.22	-0.0054	0.0413	23.98	1.669	-3.526	3.1391	-0.00906	0.03100	-0.03585	-0.00289	0.00987	-0.01142	0.00005	-0.00010	-0.00042
7950	1888.13	124.2	3.51	-0.23	-0.0043	0.0437	24.11	1.668	-3.396	3.1394	-0.00858	0.03262	-0.03645	-0.00273	0.01039	-0.01161	0.00020	0.00042	-0.00061
7951	1887.84	124.0	3.51	-0.22	-0.0013	0.0408	24.23	1.669	-3.282	3.1391	-0.00937	0.03398	-0.03569	-0.00299	0.01082	-0.01137	-0.00005	0.00085	-0.00037
7952	1888.13	124.1	3.51	-0.23	-0.0037	0.0441	24.36	1.668	-3.142	3.1387	-0.00682	0.03529	-0.03406	-0.00217	0.01124	-0.01085	0.00076	0.00015	0.00015
7953	1887.84	124.2	3.51	-0.23	-0.0043	0.0447	24.48	1.668	-3.020	3.1386	-0.00682	0.03523	-0.03430	-0.00217	0.01122	-0.01093	0.00076	0.00125	0.00007
7954	1887.70	124.4	3.50	-0.22	-0.0043	0.0447	24.61	1.669	-2.904	3.1392	-0.00441	0.03126	-0.03583	-0.00140	0.00996	-0.01141	0.00153	-0.00001	-0.00041
7955	1887.84	124.4	3.51	-0.24	-0.0054	0.0422	24.73	1.668	-2.762	3.1392	-0.00754	0.03101	-0.03599	-0.00240	0.00988	-0.01147	0.00053	-0.00009	-0.00046
7956	1888.13	124.0	3.51	-0.25	-0.0050	0.0424	24.86	1.667	-2.630	3.1392	-0.00718	0.02989	-0.03605	-0.00229	0.00952	-0.01148	0.00065	-0.00045	-0.00048
7957	1888.27	124.1	3.51	-0.24	-0.0044	0.0465	24.98	1.667	-2.508	3.1390	-0.01099	0.03087	-0.03486	-0.00350	0.00983	-0.01110	-0.00056	-0.00014	-0.00010
7958	1887.84	124.4	3.51	-0.24	-0.0043	0.0428	25.11	1.668	-2.388	3.1392	-0.01076	0.03278	-0.03462	-0.00343	0.01044	-0.01103	-0.00049	0.00047	-0.00003
7959	1888.13	124.3	3.51	-0.25	-0.0071	0.0487	25.24	1.667	-2.251	3.1385	-0.00930	0.03520	-0.03607	-0.00296	0.01122	-0.01149	-0.00003	0.00125	-0.00049
7960	1887.84	124.3	3.51	-0.24	-0.0040	0.0439	25.36	1.668	-2.134	3.1395	-0.00763	0.03748	-0.03399	-0.00243	0.01194	-0.01083	0.00051	0.00197	0.00018
7961	1887.70	124.2	3.51	-0.23	-0.0033	0.0471	25.48	1.668	-2.017	3.1392	-0.00542	0.03011	-0.03271	-0.00224	0.01214	-0.01042	0.00070	0.00217	0.00058
7962	1887.84	124.3	3.51	-0.25	-0.0040	0.0467	25.61	1.667	-1.879	3.1383	-0.00297	0.03775	-0.03141	-0.00095	0.01203	-0.01001	0.00199	0.00206	0.00099
7963	1888.13	124.3	3.51	-0.23	-0.0016	0.0443	25.73	1.668	-1.769	3.1382	-0.00254	0.03662	-0.03072	-0.00081	0.01167	-0.00979	0.00212	0.00170	0.00121
7964	1887.70	124.2	3.51	-0.25	-0.0068	0.0471	25.86	1.667	-1.625	3.1392	-0.00542	0.03011	-0.03337	-0.00173	0.00959	-0.01063	0.00121	-0.00038	0.00037
7965	1887.84	124.1	3.51	-0.25	-0.0050	0.0452	25.98	1.667	-1.506	3.1385	-0.00774	0.02966	-0.03341	-0.00247	0.00945	-0.01065	0.00047	-0.00052	0.00036
7966	1887.55	124.0	3.51	-0.25	-0.0071	0.0469	26.11	1.667	-1.373	3.1390	-0.00934	0.02794	-0.03578	-0.00298	0.00890	-0.01140	-0.00004	-0.00107	-0.00040
7967	1888.27	123.9	3.51	-0.24	-0.0050	0.0480	26.23	1.668	-1.261	3.1393	-0.01125	0.02923	-0.03554	-0.00358	0.00931	-0.01132	-0.00065	-0.00066	-0.00032
7968	1888.13	124.0	3.51	-0.25	-0.0037	0.0441	26.36	1.667	-1.131	3.1393	-0.01228	0.03384	-0.03367	-0.00391	0.01078	-0.01073	-0.00097	0.00081	0.00028
7969	1888.42	124.0	3.51	-0.24	-0.0081	0.0444	26.48	1.667	-1.005	3.1397	-0.00940	0.03911	-0.03219	-0.00299	0.01246	-0.01025	-0.00006	0.00249	0.00075
7970	1887.55	123.9	3.51	-0.24	-0.0040	0.0421	26.61	1.668	-0.885	3.1377	-0.00563	0.04260	-0.02949	-0.00179	0.01358	-0.00940	0.00114	0.00360	0.00160
7971	1887.70	123.7	3.51	-0.24	-0.0061	0.0447	26.73	1.667	-0.757	3.1391	-0.00247	0.04170	-0.02999	-0.00079	0.01328	-0.00955	0.00215	0.00331	0.00145
7972	1888.13	124.0	3.51	-0.23	-0.0050	0.0471	26.86	1.668	-0.648	3.1390	-0.00002	0.03950	-0.02663	-0.00001	0.01258	-0.00848	0.00293	0.00261	0.00252
7973	1887.84	124.1	3.51	-0.25	-0.0092	0.0448	26.98	1.667	-0.494	3.1392	-0.00142	0.03413	-0.03052	-0.00045	0.01087	-0.00972	0.00248	0.00090	0.00128
7974	1888.13	124.1	3.51	-0.25	-0.0074	0.0467	27.11	1.667	-0.375	3.1395	-0.00328	0.03253	-0.03262	-0.00104	0.01036	-0.01039	0.00189	0.00039	0.00061
7975	1888.56	124.1	3.51	-0.24	-0.0054	0.0460	27.24	1.668	-0.260	3.1389	-0.00566	0.03048	-0.03471	-0.00180	0.00971	-0.01106	0.00113	-0.00026	-0.00006
7976	1887.70	124.1	3.51	-0.26	-0.0078	0.0484	27.36	1.667	-0.119	3.1385	-0.01015	0.03044	-0.03693	-0.00323	0.00970	-0.01177	-0.00030	-0.00027	-0.00076
7977	1887.98	124.0	3.51	-0.26	-0.0085	0.0461	27.48	1.667	0.007	3.1398	-0.01137	0.03512	-0.03657	-0.00362	0.01119	-0.01165	-0.00068	0.00121	-0.00065
7978	1887.84	123.8	3.51	-0.25	-0.0047	0.0445	27.61	1.667	0.120	3.1382	-0.00893	0.04062	-0.03402	-0.00284	0.01295	-0.01084	0.00009	0.00297	0.00016
7979	1888.13	124.0	3.51	-0.25	-0.0047	0.0454	27.73	1.667	0.245	3.1387	-0.00669	0.04212	-0.02792	-0.00213	0.01342	-0.00889	0.00080	0.00345	0.00211
7980	1887.98	124.1	3.51	-0.25	-0.0061	0.0437	27.86	1.667	0.372	3.1385	0.00029	0.04289	-0.02466	0.00009	0.01367	-0.00786	0.00303	0.00370	0.00314
7981	1888.13	124.1	3.51	-0.23	-0.0033	0.0406	27.98	1.											

Table A6. Continued.

Run = 136
M = 1.60
xsppos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8001	1887.84	124.1	3.51	-0.22	-0.0013	0.0380	30.48	1.669	2.971	3.1384	0.00038	0.04018	-0.02308	0.00012	0.01280	-0.00736	0.00306	0.00283	0.00365
8002	1887.98	124.1	3.51	-0.22	-0.0002	0.0395	30.68	1.669	3.170	3.1384	-0.00078	0.04185	-0.02473	-0.00025	0.01333	-0.00788	0.00269	0.00336	0.00312
8003	1887.98	124.2	3.51	-0.22	-0.0019	0.0395	30.73	1.669	3.223	3.1389	0.00027	0.04145	-0.02564	0.00009	0.01320	-0.00817	0.00302	0.00323	0.00283
8004	1887.55	124.1	3.51	-0.24	-0.0002	0.0386	30.86	1.668	3.358	3.1387	-0.00192	0.04064	-0.02450	-0.00061	0.01295	-0.00781	0.00232	0.00298	0.00320
8005	1887.70	124.1	3.51	-0.23	-0.0026	0.0410	30.98	1.668	3.480	3.1380	0.00073	0.04312	-0.02539	0.00023	0.01374	-0.00809	0.00317	0.00377	0.00291
8006	1888.13	123.9	3.51	-0.22	0.0005	0.0417	31.11	1.669	3.595	3.1393	-0.00037	0.04276	-0.02660	-0.00012	0.01362	-0.00847	0.00282	0.00365	0.00253
8007	1887.84	124.2	3.51	-0.23	-0.0002	0.0404	31.23	1.668	3.729	3.1385	0.00090	0.04258	-0.02554	0.00029	0.01357	-0.00814	0.00322	0.00360	0.00286
8008	1887.98	124.1	3.51	-0.22	0.0001	0.0434	31.36	1.669	3.846	3.1392	0.00120	0.04188	-0.02539	0.00038	0.01334	-0.00809	0.00332	0.00337	0.00291
8009	1887.98	124.0	3.51	-0.23	-0.0016	0.0425	31.48	1.668	3.981	3.1388	0.00202	0.04167	-0.02508	0.00064	0.01328	-0.00799	0.00358	0.00331	0.00301
8010	1888.27	123.9	3.51	-0.22	0.0001	0.0415	31.61	1.669	4.097	3.1392	0.00153	0.03940	-0.02568	0.00049	0.01255	-0.00818	0.00342	0.00258	0.00282
8011	1888.27	123.9	3.51	-0.22	0.0008	0.0410	31.74	1.669	4.224	3.1394	0.00087	0.04015	-0.02648	0.00028	0.01279	-0.00844	0.00321	0.00282	0.00257
8012	1888.13	124.1	3.51	-0.22	-0.0002	0.0441	31.86	1.669	4.349	3.1396	-0.00061	0.03945	-0.02489	-0.00019	0.01257	-0.00793	0.00274	0.00260	0.00307
8013	1887.98	124.2	3.51	-0.21	0.0022	0.0399	31.98	1.669	4.462	3.1396	-0.00178	0.04143	-0.02498	-0.00057	0.01320	-0.00796	0.00237	0.00322	0.00305
8014	1888.13	124.1	3.51	-0.21	0.0025	0.0363	32.11	1.670	4.586	3.1389	-0.00021	0.04433	-0.02317	-0.00007	0.01412	-0.00738	0.00287	0.00415	0.00362
8015	1887.98	124.3	3.51	-0.20	0.0046	0.0393	32.23	1.670	4.702	3.1392	0.00058	0.04398	-0.02333	0.00019	0.01401	-0.00743	0.00312	0.00404	0.00357
8016	1887.84	124.2	3.51	-0.21	-0.0015	0.0386	32.36	1.669	4.838	3.1391	0.00422	0.04417	-0.02291	0.00134	0.01407	-0.00730	0.00428	0.00410	0.00370
8017	1887.98	124.1	3.51	-0.22	-0.0002	0.0423	32.48	1.669	4.971	3.1386	0.00462	0.04575	-0.02137	0.00147	0.01458	-0.00681	0.00441	0.00460	0.00419
8018	1888.42	124.4	3.51	-0.22	0.0005	0.0417	32.61	1.669	5.092	3.1404	0.00404	0.04454	-0.02436	0.00129	0.01418	-0.00776	0.00422	0.00421	0.00325
8019	1888.42	124.2	3.51	-0.20	0.0060	0.0364	32.73	1.670	5.195	3.1396	0.00425	0.04267	-0.02335	0.00135	0.01359	-0.00744	0.00429	0.00362	0.00357
8020	1887.84	124.2	3.51	-0.20	0.0032	0.0414	32.86	1.670	5.330	3.1389	0.00327	0.04167	-0.02451	0.00104	0.01327	-0.00781	0.00398	0.00330	0.00319
8021	1887.84	124.1	3.51	-0.21	0.0008	0.0429	32.98	1.669	5.462	3.1386	0.00258	0.04310	-0.02435	0.00082	0.01373	-0.00776	0.00376	0.00376	0.00324
8022	1887.84	124.2	3.51	-0.22	-0.0026	0.0447	33.11	1.669	5.600	3.1393	0.00068	0.03997	-0.02479	0.00022	0.01273	-0.00790	0.00315	0.00276	0.00311
8023	1888.70	124.5	3.51	-0.22	0.0005	0.0426	33.23	1.669	5.719	3.1394	0.00055	0.04070	-0.02204	0.00018	0.01296	-0.00702	0.00311	0.00299	0.00398
8024	1887.98	124.4	3.50	-0.22	-0.0026	0.0475	33.36	1.669	5.848	3.1393	0.00043	0.03824	-0.02006	0.00014	0.01218	-0.00639	0.00307	0.00221	0.00461
8025	1887.84	124.3	3.51	-0.22	0.0011	0.0430	33.48	1.669	5.965	3.1384	0.00012	0.03949	-0.01864	0.00004	0.01258	-0.00594	0.00297	0.00261	0.00506
8026	1887.98	124.2	3.51	-0.21	-0.0019	0.0423	33.61	1.669	6.090	3.1384	-0.00117	0.03994	-0.01870	-0.00037	0.01273	-0.00596	0.00256	0.00276	0.00504
8027	1888.13	124.2	3.51	-0.22	-0.0016	0.0397	33.73	1.669	6.220	3.1394	-0.00068	0.04028	-0.02021	-0.00022	0.01283	-0.00644	0.00272	0.00286	0.00456
8028	1887.70	124.2	3.51	-0.23	-0.0019	0.0423	33.86	1.668	6.353	3.1383	0.00073	0.04168	-0.02099	0.00023	0.01328	-0.00669	0.00317	0.00331	0.00431
8029	1888.27	124.2	3.51	-0.23	-0.0030	0.0417	33.98	1.668	6.485	3.1392	0.00151	0.04151	-0.02162	0.00048	0.01322	-0.00689	0.00342	0.00325	0.00411
8030	1887.84	124.1	3.51	-0.22	-0.0023	0.0412	34.11	1.669	6.600	3.1383	0.00165	0.04094	-0.02223	0.00053	0.01305	-0.00708	0.00346	0.00308	0.00392
8031	1887.55	124.2	3.51	-0.24	-0.0043	0.0438	34.11	1.668	6.614	3.1384	0.00166	0.04084	-0.02196	0.00053	0.01301	-0.00700	0.00346	0.00304	0.00400
8032	1887.84	124.2	3.51	-0.23	-0.0026	0.0391	34.23	1.668	6.732	3.1386	0.00200	0.04109	-0.02152	0.00064	0.01309	-0.00686	0.00357	0.00312	0.00415
8033	1887.84	124.3	3.51	-0.22	-0.0037	0.0451	34.36	1.669	6.849	3.1388	0.00084	0.04178	-0.02514	0.00027	0.01331	-0.00801	0.00320	0.00334	0.00299
8034	1888.27	124.2	3.51	-0.23	-0.0037	0.0469	34.48	1.668	6.983	3.1399	-0.00010	0.04183	-0.02520	-0.00003	0.01332	-0.00802	0.00290	0.00335	0.00298
8035	1887.84	124.2	3.51	-0.23	-0.0037	0.0441	34.61	1.668	7.106	3.1383	0.00041	0.04385	-0.02332	0.00013	0.01397	-0.00743	0.00307	0.00400	0.00357
8036	1888.27	124.0	3.51	-0.24	-0.0067	0.0461	34.74	1.667	7.245	3.1392	0.00045	0.04015	-0.02588	0.00014	0.01279	-0.00824	0.00308	0.00282	0.00276
8037	1888.13	123.9	3.51	-0.22	-0.0047	0.0463	34.86	1.669	7.351	3.1386	0.00139	0.04201	-0.02436	0.00044	0.01339	-0.00776	0.00338	0.00341	0.00324
8038	1888.42	124.0	3.51	-0.22	-0.0047	0.0454	34.98	1.668	7.476	3.1395	-0.00006	0.04162	-0.02411	-0.00002	0.01326	-0.00768	0.00292	0.00329	0.00332
8039	1887.84	124.1	3.51	-0.24	-0.0050	0.0471	35.11	1.668	7.612	3.1393	-0.00025	0.04096	-0.02354	-0.00008	0.01305	-0.00750	0.00286	0.00308	0.00350
8040	1887.84	124.3	3.51	-0.24	-0.0050	0.0452	35.23	1.667	7.742	3.1388	-0.00002	0.04047	-0.02310	0.00000	0.01289	-0.00736	0.00293	0.00292	0.00364
8041	1887.84	124.3	3.51	-0.25	-0.0088	0.0478	35.36	1.667	7.875	3.1394	-0.00166	0.03771	-0.02403	-0.00053	0.01201	-0.00765	0.00241	0.00204	0.00335
8042	1887.98	124.3	3.51	-0.25	-0.0043	0.0437	35.48	1.667	7.994	3.1392	0.00159	0.03843	-0.02436	0.00051	0.01224	-0.00776	0.00344	0.00227	0.00324
8043	1887.70	124.4	3.50	-0.25	-0.0067	0.0434	35.61	1.667	8.121	3.1385	-0.00249	0.03285	-0.02370	-0.00079	0.01047	-0.00755	0.00214	0.00050	0.00345
8044	1887.98	124.3	3.51	-0.24	-0.0040	0.0421	35.74	1.668	8.238	3.1388	-0.00249	0.03383	-0.02449	-0.00079	0.01078	-0.00780	0.00214	0.00081	0.00320
8045	1887.98	124.3	3.51	-0.25	-0.0064	0.0426	35.86	1.667	8.373	3.1396	-0.00658	0.02894	-0.02598	-0.00210	0.00922	-0.00828	0.00084	-0.00075	0.00273
8046	1888.27	124.1	3.51	-0.25	-0.0061	0.0437	35.98	1.667	8.498	3.1390	-0.00811	0.03002	-0.02337	-0.00258	0.00957	-0.00744	0.00035	-0.00041	0.00356
8047	1888.42	124.2	3.51	-0.24	-0.0047	0.0407	36.11	1.667	8.617	3.1399	-0.01042	0.02638	-0.02431	-0.00332	0.00840	-0.00774	-0.00038	-0.00157	0.00326
8048	1887.41	124.3	3.51	-0.24	-0.0061	0.0465	36.23	1.668	8.741	3.1386	-0.01236	0.02479	-0.02573	-0.00394	0.00790	-0.00820	-0.00100	-0.00207	0.00280
8049	1887.70	124.2	3.51	-0.24	-0.0071	0.0497	36.36	1.667	8.868	3.1382	-0.01393	0.02338	-0.02444	-0.00444	0.00745	-0.00779	-0.00150	-0.00252	0.00321
8050	1887.98	124.1	3.51	-0.23	-0.0071	0.0469	36.48	1.668	8.986	3.1386	-0.01654	0.02011	-0.02517	-0.00527	0.00641	-0.00802	-0.00234	-0.00356	0.00298
8051	1887.98	124.2	3.51	-0.24	-0.0078	0.0484	36.61	1.667	9.122	3.1394	-0.01806	0.01422	-0.02854	-0.00575	0.00453	-0.00909	-0.00282	-0.00544	0.00191
8052	1887.84	124.2	3.51	-0.25	-0.0068	0.0517	36.73	1.667	9.252	3.1392	-0.02116	0.01015	-0.02760	-0.00674	0.00323	-0.00879	-0.00381	-0.00674	0.00221
8053	1888.13	124.1	3.51	-0.24	-0.0057	0.0504	36.86	1.668	9.366	3.1395	-0.02509	0.00472	-0.03295	-0.00799	0.00150	-0.01050	-0.00506	-0.00847	0.00051
8054	1888.13	124.2	3.51	-0.26	-0.0098	0.0510	36.99	1.666	9.511	3.1391	-0.02881	0.00428	-0.03345	-0.00918					

Table A6. Concluded.

Run = 136
M = 1.60
xspos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8074	1887.84	124.3	3.51	-0.25	-0.0019	0.0413	39.48	1.668	11.992	3.1387	-0.00917	0.03351	-0.05270	-0.00292	0.01068	-0.01679	0.00001	0.00071	-0.00579
8075	1887.98	124.1	3.51	-0.24	-0.0019	0.0413	39.48	1.668	11.987	3.1395	-0.00920	0.03241	-0.05471	-0.00293	0.01032	-0.01743	0.00000	0.00035	-0.00642
8076	1888.13	124.0	3.51	-0.25	-0.0030	0.0445	39.61	1.667	12.120	3.1386	-0.00725	0.03510	-0.04751	-0.00231	0.01118	-0.01514	0.00063	0.00121	-0.00413
8077	1887.84	124.1	3.51	-0.25	-0.0030	0.0408	39.73	1.667	12.248	3.1387	-0.00838	0.03445	-0.04513	-0.00267	0.01098	-0.01438	0.00027	0.00101	-0.00338
8078	1887.70	124.1	3.51	-0.24	-0.0023	0.0421	39.86	1.668	12.365	3.1396	-0.00918	0.03258	-0.04299	-0.00292	0.01038	-0.01369	0.00001	0.00041	-0.00269
8079	1888.13	124.3	3.51	-0.24	0.0001	0.0397	39.98	1.668	12.485	3.1393	-0.00799	0.03239	-0.03832	-0.00255	0.01032	-0.01221	0.00039	0.00035	-0.00121
8080	1887.84	124.3	3.51	-0.25	-0.0013	0.0408	40.11	1.668	12.619	3.1381	-0.00597	0.03116	-0.03826	-0.00190	0.00993	-0.01219	0.00103	-0.00004	-0.00119
8081	1887.98	124.2	3.51	-0.25	-0.0009	0.0410	40.23	1.667	12.747	3.1384	-0.00645	0.03090	-0.03835	-0.00206	0.00985	-0.01222	0.00088	-0.00012	-0.00122
8082	1887.84	124.1	3.51	-0.26	-0.0002	0.0423	40.36	1.667	12.872	3.1389	-0.00731	0.02946	-0.03991	-0.00233	0.00939	-0.01271	0.00061	-0.00058	-0.00171
8083	1888.27	124.0	3.51	-0.25	-0.0030	0.0464	40.48	1.667	12.993	3.1401	-0.00931	0.02721	-0.03845	-0.00296	0.00866	-0.01224	-0.00003	-0.00131	-0.00124
8084	1887.70	124.0	3.51	-0.25	-0.0026	0.0438	40.61	1.667	13.122	3.1382	-0.01089	0.02665	-0.03734	-0.00347	0.00849	-0.01190	-0.00053	-0.00148	-0.00090
8085	1887.98	124.1	3.51	-0.25	-0.0037	0.0497	40.73	1.667	13.248	3.1394	-0.01284	0.02386	-0.03808	-0.00409	0.00760	-0.01213	-0.00116	-0.00237	-0.00113
8086	1888.56	124.3	3.51	-0.25	-0.0019	0.0460	40.86	1.667	13.371	3.1395	-0.01473	0.02259	-0.03726	-0.00469	0.00720	-0.01187	-0.00076	-0.00278	-0.00087
8087	1887.41	124.1	3.51	-0.25	-0.0002	0.0497	40.99	1.667	13.494	3.1377	-0.01319	0.02191	-0.03790	-0.00421	0.00698	-0.01208	-0.00127	-0.00299	-0.00108
8088	1887.98	124.1	3.51	-0.25	-0.0013	0.0501	41.11	1.667	13.620	3.1386	-0.01661	0.02353	-0.03816	-0.00529	0.00750	-0.01216	-0.00236	-0.00247	-0.00116
8089	1887.55	124.3	3.50	-0.26	-0.0033	0.0508	41.23	1.667	13.754	3.1385	-0.01738	0.02586	-0.03673	-0.00554	0.00824	-0.01170	-0.00260	-0.00173	-0.00070
8090	1887.98	124.2	3.51	-0.25	-0.0037	0.0525	41.36	1.667	13.874	3.1388	-0.01407	0.02972	-0.03682	-0.00448	0.00947	-0.01173	-0.00155	-0.00050	-0.00073
8091	1888.27	124.2	3.51	-0.26	-0.0033	0.0490	41.48	1.667	14.005	3.1395	-0.01224	0.03164	-0.03643	-0.00390	0.01008	-0.01160	-0.00096	0.00011	-0.00060
8092	1888.13	124.2	3.51	-0.25	0.0001	0.0481	41.61	1.667	14.121	3.1397	-0.00795	0.03165	-0.03724	-0.00253	0.01008	-0.01186	0.00040	0.00011	-0.00086
8093	1888.27	124.1	3.51	-0.24	-0.0006	0.0467	41.73	1.668	14.238	3.1391	-0.00620	0.03120	-0.03702	-0.00197	0.00994	-0.01179	0.00096	-0.00003	-0.00079
8094	1887.84	124.1	3.51	-0.24	0.0001	0.0425	41.86	1.668	14.358	3.1391	-0.00899	0.02640	-0.04084	-0.00286	0.00841	-0.01301	0.00007	-0.00156	-0.00201
8095	1887.84	124.1	3.51	-0.24	-0.0020	0.0488	41.98	1.668	14.492	3.1389	-0.01167	0.02503	-0.04092	-0.00372	0.00797	-0.01304	-0.00078	-0.00200	-0.00203
8096	1887.98	124.1	3.51	-0.25	0.0008	0.0466	42.11	1.667	14.620	3.1388	-0.01233	0.02321	-0.04314	-0.00393	0.00739	-0.01375	-0.00099	-0.00258	-0.00274
8097	1888.13	124.2	3.51	-0.25	-0.0030	0.0454	42.23	1.667	14.749	3.1398	-0.01469	0.02489	-0.04280	-0.00468	0.00793	-0.01363	-0.00174	-0.00204	-0.00263
8098	1888.13	123.9	3.51	-0.25	0.0001	0.0453	42.23	1.668	14.740	3.1398	-0.01715	0.02479	-0.04369	-0.00546	0.00790	-0.01392	-0.00253	-0.00207	-0.00291
8099	1887.70	124.0	3.51	-0.25	-0.0030	0.0464	42.36	1.667	14.875	3.1388	-0.01630	0.02839	-0.03966	-0.00519	0.00904	-0.01264	-0.00226	-0.00093	-0.00163
8100	1887.98	124.1	3.51	-0.25	-0.0016	0.0443	42.49	1.667	15.000	3.1399	-0.01308	0.03331	-0.04030	-0.00417	0.01061	-0.01283	-0.00123	0.00064	-0.00183
8101	1887.98	124.2	3.51	-0.24	0.0022	0.0389	42.61	1.668	15.110	3.1391	-0.00926	0.03451	-0.03573	-0.00295	0.01099	-0.01138	-0.00002	0.00102	-0.00038
8102	1887.70	124.3	3.51	-0.25	-0.0040	0.0458	42.74	1.667	15.252	3.1385	-0.00657	0.03621	-0.03244	-0.00209	0.01154	-0.01033	0.00084	0.00157	0.00067
8103	1888.27	124.1	3.51	-0.25	-0.0033	0.0462	42.86	1.667	15.368	3.1399	-0.00570	0.03514	-0.03319	-0.00181	0.01119	-0.01057	0.00112	0.00122	0.00043
8104	1888.13	124.2	3.51	-0.26	-0.0030	0.0454	42.98	1.667	15.507	3.1401	-0.00486	0.03496	-0.03469	-0.00155	0.01113	-0.01105	0.00139	0.00116	-0.00004
8105	1887.84	124.0	3.51	-0.25	0.0001	0.0443	43.11	1.667	15.617	3.1389	-0.00569	0.03576	-0.03694	-0.00181	0.01139	-0.01177	0.00112	0.00142	-0.00077
8106	1887.98	124.1	3.51	-0.26	-0.0023	0.0458	43.24	1.667	15.754	3.1390	-0.00766	0.03323	-0.04027	-0.00244	0.01059	-0.01283	0.00049	0.00062	-0.00183
8107	1887.98	124.1	3.51	-0.25	-0.0016	0.0434	43.36	1.667	15.871	3.1393	-0.00744	0.03251	-0.04012	-0.00237	0.01036	-0.01278	0.00056	0.00038	-0.00178
8108	1887.98	124.3	3.51	-0.26	-0.0040	0.0449	43.48	1.667	16.009	3.1398	-0.00743	0.03189	-0.04007	-0.00237	0.01016	-0.01276	0.00057	0.00019	-0.00176
8109	1888.13	124.1	3.51	-0.25	-0.0019	0.0451	43.61	1.667	16.121	3.1390	-0.00664	0.03144	-0.03590	-0.00212	0.01002	-0.01144	0.00082	0.00005	-0.00044
8110	1888.27	124.2	3.51	-0.25	-0.0013	0.0464	43.73	1.667	16.245	3.1395	-0.00902	0.03157	-0.03235	-0.00287	0.01006	-0.01031	0.00006	0.00009	0.00070
8111	1887.98	124.3	3.51	-0.26	0.0001	0.0397	43.86	1.667	16.372	3.1380	-0.00758	0.03234	-0.02892	-0.00242	0.01031	-0.00922	0.00052	0.00033	0.00178
8112	1887.84	124.2	3.51	-0.26	-0.0026	0.0438	43.99	1.667	16.504	3.1395	-0.00996	0.03104	-0.03127	-0.00317	0.00989	-0.00996	-0.00024	-0.00008	0.00104
8113	1887.55	124.2	3.51	-0.26	-0.0009	0.0410	44.11	1.667	16.625	3.1389	-0.00869	0.03107	-0.03068	-0.00277	0.00990	-0.00978	0.00017	-0.00007	0.00123
8114	1887.98	124.0	3.51	-0.26	-0.0013	0.0482	44.23	1.667	16.748	3.1393	-0.00884	0.03226	-0.02995	-0.00282	0.01028	-0.00954	0.00012	0.00030	0.00146
8115	1887.84	124.2	3.51	-0.26	-0.0026	0.0465	44.36	1.667	16.879	3.1383	-0.00819	0.03435	-0.02956	-0.00261	0.01095	-0.00942	0.00032	0.00098	0.00158
8116	1887.98	124.4	3.51	-0.25	-0.0023	0.0458	44.48	1.667	17.000	3.1394	-0.00792	0.03340	-0.03252	-0.00252	0.01064	-0.01036	0.00041	0.00067	0.00064
8117	1888.13	124.1	3.51	-0.27	-0.0030	0.0501	44.61	1.667	17.135	3.1388	-0.00785	0.03295	-0.03093	-0.00250	0.01050	-0.00985	0.00043	0.00053	0.00115
8118	1887.98	124.2	3.51	-0.25	0.0001	0.0434	44.73	1.667	17.246	3.1384	-0.00754	0.03255	-0.03153	-0.00240	0.01037	-0.01005	0.00053	0.00040	0.00096
8119	1888.42	124.2	3.51	-0.25	0.0001	0.0434	44.86	1.668	17.369	3.1399	-0.00999	0.03344	-0.03294	-0.00318	0.01065	-0.01049	-0.00025	0.00068	0.00051
8120	1888.27	124.1	3.51	-0.27	-0.0033	0.0452	44.86	1.667	17.384	3.1387	-0.00793	0.03266	-0.03321	-0.00253	0.01040	-0.01058	0.00041	0.00043	0.00042
8121	1888.13	124.3	3.51	-0.26	-0.0002	0.0423	44.99	1.667	17.502	3.1388	-0.00938	0.03399	-0.03226	-0.00299	0.01083	-0.01028	-0.00005	0.00086	0.00072
8122	1887.84	124.4	3.50	-0.27	-0.0057	0.0495	45.11	1.666	17.642	3.1392	-0.00833	0.03155	-0.03310	-0.00265	0.01005	-0.01054	0.00028	0.00008	0.00046
8123	1888.27	124.1	3.51	-0.26	-0.0013	0.0445	45.24	1.667	17.755	3.1396	-0.00909	0.03153	-0.03343	-0.00290	0.01004	-0.01065	0.00004	0.00007	0.00035
8124	1887.84	124.0	3.51	-0.27	-0.0047	0.0454	45.36	1.666	17.889	3.1394	-0.00948	0.03312	-0.03339	-0.00302	0.01055	-0.01064	-0.00008	0.00058	0.00037
8125	1888.27	124.1	3.51	-0.25	-0.0006	0.0439	45.48	1.667	17.995	3.1389	-0.00906	0.03368	-0.03299	-0.00289	0.01073	-0.01051	0.00005	0.00076	0.00049
8126	1887.55	124.1	3.51	-0.26	-0.0026	0.0447	45.61	1.667	18.130	3.1387	-0.00817	0.03275	-0.03284	-0.00260	0.01044	-0.01046	0.00033	0.00046	0.00054
8127	1887.84	124.1	3.51	-0.26	-0.0026	0.0493	45.73	1.667	18.254	3.1									

Table A7. Run 137.

Run = 137

M = 1.60

xsppos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8128	1888.27	124.1	3.51	0.25	0.0207	0.0352	21.36	1.688	-6.473	3.1386	-0.00898	0.03185	-0.03409	-0.00286	0.01015	-0.01086	-0.00001	0.00006	0.00004
8129	1888.13	123.9	3.51	0.25	0.0234	0.0320	21.48	1.688	-6.352	3.1386	-0.00749	0.03203	-0.03391	-0.00239	0.01021	-0.01080	0.00046	0.00011	0.00010
8130	1887.84	124.1	3.51	0.25	0.0217	0.0311	21.61	1.688	-6.224	3.1391	-0.00998	0.03060	-0.03541	-0.00318	0.00975	-0.01128	-0.00033	-0.00034	-0.00038
8131	1888.13	124.2	3.51	0.26	0.0255	0.0238	21.73	1.689	-6.115	3.1390	-0.00909	0.03153	-0.03457	-0.00290	0.01004	-0.01101	-0.00005	-0.00005	-0.00012
8132	1888.13	124.2	3.51	0.24	0.0217	0.0283	21.86	1.688	-5.965	3.1384	-0.00914	0.03236	-0.03305	-0.00291	0.01031	-0.01053	-0.00007	0.00022	0.00037
8133	1888.13	124.1	3.51	0.24	0.0245	0.0289	21.98	1.688	-5.844	3.1388	-0.00830	0.03198	-0.03413	-0.00264	0.01019	-0.01087	0.00020	0.00010	0.00003
8134	1888.13	124.1	3.51	0.24	0.0224	0.0249	22.11	1.688	-5.714	3.1391	-0.00787	0.03175	-0.03453	-0.00251	0.01011	-0.01100	0.00034	0.00002	-0.00010
8135	1888.42	124.0	3.51	0.25	0.0248	0.0244	22.24	1.688	-5.599	3.1396	-0.00950	0.03123	-0.03335	-0.00303	0.00995	-0.01062	-0.00018	-0.00015	0.00028
8136	1888.27	124.1	3.51	0.24	0.0259	0.0194	22.36	1.688	-5.474	3.1390	-0.00960	0.03194	-0.03321	-0.00306	0.01018	-0.01058	-0.00021	0.00008	0.00032
8137	1888.27	124.1	3.51	0.24	0.0224	0.0231	22.48	1.688	-5.344	3.1393	-0.01059	0.03132	-0.03474	-0.00337	0.00998	-0.01106	-0.00052	-0.00011	-0.00017
8138	1887.98	124.0	3.51	0.24	0.0224	0.0249	22.61	1.688	-5.217	3.1378	-0.00739	0.03321	-0.03329	-0.00235	0.01058	-0.01061	0.00049	0.00049	0.00029
8139	1887.70	124.2	3.51	0.25	0.0242	0.0231	22.74	1.688	-5.098	3.1386	-0.00890	0.03102	-0.03362	-0.00283	0.00988	-0.01071	0.00001	-0.00021	0.00019
8140	1888.42	124.2	3.51	0.24	0.0228	0.0270	22.86	1.688	-4.969	3.1404	-0.01108	0.03068	-0.03580	-0.00353	0.00977	-0.01140	-0.00068	-0.00032	-0.00050
8141	1888.13	124.0	3.51	0.26	0.0259	0.0231	22.98	1.689	-4.862	3.1395	-0.00969	0.03103	-0.03494	-0.00309	0.00988	-0.01113	-0.00024	-0.00021	-0.00023
8142	1888.13	124.1	3.51	0.25	0.0238	0.0294	23.11	1.689	-4.732	3.1392	-0.00972	0.03116	-0.03455	-0.00310	0.00993	-0.01100	-0.00025	-0.00017	-0.00011
8143	1888.13	124.1	3.51	0.24	0.0235	0.0283	23.23	1.688	-4.597	3.1388	-0.00972	0.03151	-0.03479	-0.00310	0.01004	-0.01108	-0.00025	-0.00005	-0.00018
8144	1888.27	124.1	3.51	0.24	0.0241	0.0287	23.36	1.688	-4.473	3.1395	-0.00947	0.03254	-0.03547	-0.00302	0.01036	-0.01130	-0.00017	0.00027	-0.00040
8145	1888.13	124.1	3.51	0.24	0.0245	0.0233	23.49	1.688	-4.343	3.1399	-0.00855	0.03234	-0.03570	-0.00272	0.01030	-0.01137	0.00012	0.00021	-0.00047
8146	1887.84	124.2	3.51	0.25	0.0259	0.0203	23.61	1.689	-4.228	3.1399	-0.00804	0.03059	-0.03709	-0.00256	0.00974	-0.01181	0.00029	-0.00035	-0.00091
8147	1888.13	124.0	3.51	0.25	0.0245	0.0223	23.73	1.688	-4.100	3.1394	-0.00960	0.03170	-0.03509	-0.00306	0.01010	-0.01118	-0.00021	0.00001	-0.00028
8148	1887.84	124.0	3.51	0.25	0.0235	0.0274	23.86	1.688	-3.976	3.1392	-0.00964	0.03100	-0.03541	-0.00307	0.00988	-0.01128	-0.00022	-0.00022	-0.00038
8149	1887.70	123.9	3.51	0.24	0.0235	0.0227	23.99	1.688	-3.847	3.1393	-0.00966	0.03114	-0.03536	-0.00308	0.00992	-0.01126	-0.00023	-0.00017	-0.00037
8150	1887.70	124.0	3.51	0.26	0.0255	0.0229	24.11	1.689	-3.733	3.1390	-0.01002	0.03168	-0.03546	-0.00319	0.01009	-0.01130	-0.00034	0.00000	-0.00040
8151	1887.98	124.0	3.51	0.24	0.0217	0.0264	24.23	1.688	-3.594	3.1394	-0.00921	0.03059	-0.03578	-0.00293	0.00974	-0.01140	-0.00009	-0.00035	-0.00050
8152	1888.42	124.0	3.51	0.25	0.0231	0.0318	24.36	1.688	-3.473	3.1385	-0.00838	0.03239	-0.03264	-0.00267	0.01032	-0.01040	0.00018	0.00023	0.00050
8153	1887.84	124.1	3.51	0.25	0.0245	0.0326	24.49	1.689	-3.353	3.1396	-0.00991	0.03143	-0.03693	-0.00316	0.01001	-0.01176	-0.00031	-0.00008	-0.00086
8154	1887.41	124.2	3.51	0.24	0.0200	0.0395	24.61	1.688	-3.219	3.1385	-0.00757	0.03510	-0.03502	-0.00241	0.01118	-0.01116	0.00044	0.01009	-0.00026
8155	1887.98	124.3	3.51	0.24	0.0180	0.0355	24.74	1.688	-3.083	3.1400	-0.00857	0.03296	-0.03406	-0.00273	0.01050	-0.01085	0.00012	0.00041	0.00005
8156	1887.98	124.1	3.51	0.24	0.0204	0.0350	24.86	1.688	-2.967	3.1399	-0.00782	0.03369	-0.03538	-0.00249	0.01073	-0.01127	0.00036	0.00064	-0.00037
8157	1888.13	124.0	3.51	0.26	0.0238	0.0294	24.99	1.689	-2.856	3.1403	-0.00641	0.03043	-0.03531	-0.00204	0.00969	-0.01124	0.00081	-0.00040	-0.00034
8158	1887.26	124.0	3.51	0.24	0.0214	0.0290	25.11	1.688	-2.714	3.1383	-0.00854	0.02947	-0.03433	-0.00272	0.00939	-0.01094	0.00012	-0.00070	-0.00004
8159	1888.27	124.1	3.51	0.24	0.0190	0.0296	25.23	1.688	-2.592	3.1388	-0.01003	0.03094	-0.03369	-0.00320	0.00986	-0.01073	-0.00035	-0.00023	0.00017
8160	1887.70	124.0	3.51	0.24	0.0204	0.0313	25.36	1.688	-2.467	3.1392	-0.01146	0.03059	-0.03466	-0.00365	0.00974	-0.01104	-0.00080	-0.00035	-0.00014
8161	1888.27	124.2	3.51	0.25	0.0234	0.0329	25.49	1.688	-2.348	3.1399	-0.00995	0.03351	-0.03444	-0.00317	0.01067	-0.01097	-0.00032	0.00058	-0.00017
8162	1888.13	124.0	3.51	0.25	0.0200	0.0339	25.61	1.688	-2.222	3.1397	-0.00907	0.03708	-0.03389	-0.00289	0.01181	-0.01079	-0.00004	0.01172	0.00011
8163	1888.27	124.1	3.51	0.24	0.0200	0.0311	25.74	1.688	-2.087	3.1391	-0.00682	0.04050	-0.03315	-0.00217	0.01290	-0.01056	0.00068	0.00281	0.00034
8164	1888.13	123.9	3.51	0.25	0.0197	0.0346	25.86	1.688	-1.972	3.1386	-0.00387	0.03927	-0.03098	-0.00123	0.01251	-0.00987	0.00162	0.00242	0.00103
8165	1887.98	124.0	3.51	0.23	0.0176	0.0372	25.98	1.687	-1.835	3.1391	-0.00177	0.03741	-0.03094	-0.00056	0.01192	-0.00986	0.00228	0.01183	0.00104
8166	1888.27	124.0	3.51	0.23	0.0173	0.0323	26.11	1.687	-1.703	3.1393	-0.00300	0.03335	-0.03148	-0.00096	0.01062	-0.01003	0.00189	0.00053	0.00087
8167	1887.70	124.0	3.51	0.26	0.0228	0.0270	26.23	1.689	-1.605	3.1386	-0.00481	0.03086	-0.03369	-0.00153	0.00983	-0.01073	0.00132	-0.00026	0.00017
8168	1887.98	124.0	3.51	0.24	0.0207	0.0268	26.36	1.688	-1.465	3.1387	-0.00879	0.02828	-0.03455	-0.00280	0.00901	-0.01101	0.00005	-0.00108	-0.00011
8169	1887.84	124.3	3.51	0.24	0.0211	0.0316	26.49	1.688	-1.342	3.1381	-0.00820	0.02987	-0.03443	-0.00261	0.00952	-0.01097	0.00023	-0.00057	-0.00007
8170	1887.98	124.2	3.51	0.24	0.0190	0.0296	26.61	1.688	-1.212	3.1380	-0.01155	0.03265	-0.03387	-0.00368	0.01040	-0.01079	-0.00083	0.00031	0.00011
8171	1887.84	124.3	3.51	0.24	0.0193	0.0279	26.74	1.688	-1.092	3.1402	-0.01062	0.03480	-0.03260	-0.00338	0.01108	-0.01038	-0.00054	0.00099	0.00052
8172	1887.98	124.3	3.51	0.24	0.0217	0.0264	26.86	1.688	-0.966	3.1386	-0.00772	0.04281	-0.02905	-0.00246	0.01364	-0.00926	0.00039	0.00355	0.00164
8173	1888.13	124.2	3.51	0.25	0.0224	0.0277	26.98	1.689	-0.855	3.1396	-0.00262	0.04232	-0.02968	-0.00083	0.01348	-0.00945	0.00201	0.00339	0.00144
8174	1888.42	124.2	3.51	0.24	0.0183	0.0301	27.11	1.688	-0.713	3.1399	-0.00094	0.03958	-0.02774	-0.00030	0.01260	-0.00884	0.00255	0.00251	0.00206
8175	1887.84	124.1	3.51	0.25	0.0214	0.0253	27.23	1.688	-0.601	3.1388	-0.00100	0.03849	-0.02799	-0.00032	0.01226	-0.00892	0.00253	0.00217	0.00198
8176	1887.98	124.2	3.51	0.23	0.0186	0.0322	27.36	1.687	-0.459	3.1386	-0.00455	0.03321	-0.03120	-0.00145	0.01058	-0.00994	0.00140	0.00049	0.00096
8177	1888.13	124.2	3.51	0.25	0.0200	0.0301	27.48	1.688	-0.346	3.1395	-0.00487	0.03018	-0.03483	-0.00155	0.00961	-0.01109	0.00130	-0.00048	-0.00019
8178	1888.42	124.2	3.51	0.25	0.0204	0.0331	27.61	1.688	-0.219	3.1396	-0.00779	0.02904	-0.03727	-0.00248	0.00925	-0.01187	0.00037	-0.00084	-0.00097
8179	1888.13	124.3	3.51	0.26	0.0221	0.0275	27.73	1.689	-0.106	3.1396	-0.00985	0.03109	-0.03745	-0.00314	0.00990	-0.01193	-0.00029	-0.00019	-0.00103
8180	1887.55	124.2	3.51	0.26	0.0221	0.0322	27.86	1.689	0.020	3.1384	-0.01070	0.03720	-0.03325	-0.00341	0.01185	-0.01059	-0.00056	0.00176	0.00030
8181	1887.84	124.1	3.51	0.24	0.0210</														

Table A7. Continued.

Run = 137

M = 1.60

xspos = 42.347

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8201	1887.98	124.2	3.51	0.25	0.0235	0.0255	30.48	1.689	2.643	3.1390	-0.00165	0.03959	-0.02280	-0.00053	0.01261	-0.00727	0.00232	0.00252	0.00363
8202	1887.98	124.2	3.51	0.26	0.0241	0.0249	30.71	1.689	2.863	3.1389	-0.00102	0.04024	-0.02358	-0.00033	0.01282	-0.00751	0.00252	0.00273	0.00339
8203	1888.13	124.2	3.51	0.26	0.0241	0.0287	30.74	1.689	2.892	3.1390	-0.00111	0.04073	-0.02444	-0.00035	0.01298	-0.00779	0.00249	0.00288	0.00311
8204	1887.98	124.2	3.51	0.26	0.0255	0.0266	30.86	1.689	3.014	3.1384	0.00007	0.04208	-0.02435	0.00002	0.01341	-0.00776	0.00287	0.00332	0.00314
8205	1887.98	124.2	3.51	0.26	0.0252	0.0274	30.99	1.689	3.144	3.1391	-0.00130	0.04128	-0.02436	-0.00041	0.01315	-0.00776	0.00243	0.00306	0.00314
8206	1887.70	124.2	3.51	0.25	0.0224	0.0305	31.11	1.689	3.275	3.1389	-0.00137	0.04124	-0.02621	-0.00044	0.01314	-0.00835	0.00241	0.00305	0.00255
8207	1887.98	124.3	3.51	0.28	0.0262	0.0298	31.24	1.690	3.375	3.1393	0.00047	0.04238	-0.02669	0.00015	0.01350	-0.00850	0.00300	0.00341	0.00240
8208	1887.84	124.2	3.51	0.28	0.0255	0.0304	31.36	1.690	3.501	3.1386	0.00079	0.04355	-0.02552	0.00025	0.01388	-0.00813	0.00310	0.00378	0.00277
8209	1887.98	124.4	3.51	0.26	0.0245	0.0326	31.48	1.689	3.634	3.1389	0.00233	0.04452	-0.02494	0.00074	0.01418	-0.00795	0.00359	0.00409	0.00295
8210	1888.27	124.2	3.51	0.26	0.0224	0.0361	31.61	1.689	3.772	3.1396	0.00140	0.04387	-0.02521	0.00045	0.01397	-0.00803	0.00329	0.00388	0.00287
8211	1887.70	124.2	3.51	0.27	0.0234	0.0358	31.73	1.689	3.885	3.1371	0.00352	0.04365	-0.02336	0.00112	0.01391	-0.00745	0.00397	0.00382	0.00345
8212	1887.84	124.2	3.51	0.26	0.0231	0.0328	31.86	1.689	4.020	3.1375	0.00271	0.04231	-0.02356	0.00086	0.01349	-0.00751	0.00371	0.00339	0.00339
8213	1887.98	124.2	3.51	0.26	0.0238	0.0303	31.99	1.689	4.144	3.1393	0.00004	0.03879	-0.02692	0.00001	0.01236	-0.00858	0.00286	0.00227	0.00232
8214	1887.98	124.2	3.51	0.27	0.0276	0.0268	32.11	1.689	4.258	3.1383	0.00010	0.04112	-0.02436	0.00003	0.01310	-0.00776	0.00288	0.00301	0.00314
8215	1888.42	124.1	3.51	0.26	0.0279	0.0251	32.24	1.689	4.385	3.1388	-0.00027	0.04305	-0.02432	-0.00009	0.01372	-0.00775	0.00276	0.00363	0.00315
8216	1887.84	124.1	3.51	0.26	0.0269	0.0283	32.36	1.689	4.515	3.1395	-0.00068	0.04027	-0.02351	-0.00022	0.01410	-0.00749	0.00263	0.00401	0.00341
8217	1888.13	124.1	3.51	0.26	0.0279	0.0233	32.49	1.689	4.639	3.1392	0.00144	0.04692	-0.02357	0.00046	0.01495	-0.00751	0.00331	0.00486	0.00339
8218	1887.98	124.1	3.51	0.25	0.0279	0.0242	32.61	1.689	4.770	3.1396	0.00346	0.04641	-0.02241	0.00110	0.01478	-0.00714	0.00395	0.00469	0.00376
8219	1888.27	124.2	3.51	0.26	0.0293	0.0203	32.73	1.689	4.884	3.1397	0.00477	0.04590	-0.02262	0.00152	0.01462	-0.00720	0.00437	0.00453	0.00369
8220	1887.98	124.2	3.51	0.25	0.0269	0.0265	32.86	1.689	5.019	3.1392	0.00527	0.04341	-0.02396	0.00168	0.01383	-0.00763	0.00453	0.00374	0.00327
8221	1887.98	124.2	3.51	0.25	0.0283	0.0216	32.99	1.689	5.141	3.1389	0.00477	0.04328	-0.02367	0.00152	0.01379	-0.00754	0.00437	0.00370	0.00336
8222	1887.55	124.2	3.51	0.26	0.0293	0.0213	33.11	1.689	5.263	3.1392	0.00421	0.04421	-0.02472	0.00134	0.01398	-0.00787	0.00419	0.00389	0.00302
8223	1887.98	124.1	3.51	0.25	0.0259	0.0277	33.23	1.688	5.398	3.1389	0.00209	0.04385	-0.02399	0.00067	0.01397	-0.00764	0.00351	0.00388	0.00326
8224	1887.84	123.9	3.51	0.26	0.0276	0.0250	33.36	1.689	5.514	3.1401	0.00253	0.04045	-0.02575	0.00081	0.01288	-0.00820	0.00365	0.00279	0.00270
8225	1887.70	124.0	3.51	0.26	0.0265	0.0272	33.48	1.689	5.637	3.1380	0.00432	0.04117	-0.02255	0.00138	0.01312	-0.00719	0.00422	0.00303	0.00371
8226	1887.84	124.1	3.51	0.24	0.0224	0.0315	33.61	1.688	5.776	3.1386	0.00190	0.04270	-0.01951	0.00061	0.01360	-0.00622	0.00345	0.00351	0.00468
8227	1887.98	124.1	3.51	0.26	0.0231	0.0318	33.73	1.689	5.893	3.1389	0.00032	0.04385	-0.01756	0.00010	0.01397	-0.00559	0.00295	0.00388	0.00530
8228	1888.13	124.2	3.51	0.26	0.0252	0.0302	33.86	1.689	6.017	3.1393	0.00271	0.04643	-0.01906	0.00086	0.01479	-0.00607	0.00371	0.00470	0.00483
8229	1887.84	124.3	3.51	0.24	0.0190	0.0361	33.99	1.688	6.158	3.1389	0.00220	0.04594	-0.01940	0.00070	0.01464	-0.00618	0.00355	0.00454	0.00472
8230	1887.98	124.3	3.51	0.26	0.0272	0.0238	34.11	1.689	6.264	3.1385	0.00616	0.04827	-0.01775	0.00196	0.01538	-0.00566	0.00481	0.00529	0.00524
8231	1888.13	124.3	3.51	0.25	0.0241	0.0268	34.24	1.689	6.397	3.1384	0.00646	0.04825	-0.01778	0.00206	0.01537	-0.00567	0.00491	0.00528	0.00523
8232	1887.98	124.1	3.51	0.24	0.0207	0.0286	34.36	1.688	6.535	3.1385	0.00586	0.04694	-0.02090	0.00187	0.01496	-0.00666	0.00471	0.00487	0.00424
8233	1887.70	124.0	3.51	0.25	0.0241	0.0268	34.48	1.688	6.649	3.1382	0.00800	0.04837	-0.01964	0.00255	0.01541	-0.00626	0.00540	0.00532	0.00464
8234	1887.70	124.1	3.51	0.23	0.0190	0.0324	34.61	1.687	6.795	3.1385	0.00587	0.04836	-0.02232	0.00187	0.01541	-0.00711	0.00472	0.00532	0.00379
8235	1888.13	124.1	3.51	0.23	0.0183	0.0376	34.74	1.687	6.915	3.1387	0.00723	0.04960	-0.02164	0.00230	0.01580	-0.00689	0.00515	0.00571	0.00400
8236	1888.13	124.3	3.51	0.24	0.0207	0.0361	34.86	1.688	7.035	3.1392	0.00757	0.04957	-0.02133	0.00241	0.01579	-0.00679	0.00526	0.00570	0.00411
8237	1888.13	124.2	3.51	0.24	0.0217	0.0292	34.98	1.688	7.157	3.1394	0.00717	0.04939	-0.02142	0.00228	0.01573	-0.00682	0.00513	0.00564	0.00408
8238	1887.70	124.2	3.51	0.24	0.0200	0.0339	35.11	1.688	7.286	3.1387	0.00812	0.04980	-0.01927	0.00259	0.01587	-0.00614	0.00543	0.00578	0.00476
8239	1888.27	124.0	3.51	0.24	0.0197	0.0346	35.23	1.688	7.412	3.1388	0.00901	0.05018	-0.01645	0.00287	0.01599	-0.00524	0.00572	0.00590	0.00566
8240	1887.98	124.0	3.51	0.24	0.0204	0.0313	35.36	1.688	7.534	3.1393	0.00865	0.04765	-0.01813	0.00276	0.01518	-0.00578	0.00560	0.00509	0.00512
8241	1888.13	124.0	3.51	0.23	0.0197	0.0327	35.49	1.687	7.668	3.1390	0.00786	0.04467	-0.01729	0.00251	0.01423	-0.00551	0.00535	0.00414	0.00539
8242	1888.13	123.9	3.51	0.23	0.0197	0.0290	35.61	1.687	7.795	3.1392	0.00651	0.04191	-0.01797	0.00207	0.01335	-0.00572	0.00492	0.00326	0.00518
8243	1888.42	124.1	3.51	0.25	0.0224	0.0249	35.74	1.688	7.905	3.1395	0.00577	0.04038	-0.01859	0.00184	0.01286	-0.00592	0.00469	0.00277	0.00498
8244	1887.98	124.2	3.51	0.23	0.0204	0.0294	35.86	1.687	8.044	3.1394	0.00222	0.03733	-0.01668	0.00071	0.01189	-0.00531	0.00355	0.00180	0.00559
8245	1888.13	124.1	3.51	0.23	0.0186	0.0303	35.98	1.687	8.169	3.1391	-0.00075	0.03609	-0.01771	-0.00024	0.01150	-0.00564	0.00261	0.00140	0.00526
8246	1887.70	124.0	3.51	0.23	0.0190	0.0268	36.11	1.687	8.295	3.1383	-0.00183	0.03444	-0.01710	-0.00058	0.01097	-0.00545	0.00227	0.00088	0.00545
8247	1887.98	124.1	3.51	0.23	0.0200	0.0273	36.23	1.687	8.415	3.1397	-0.00411	0.03274	-0.01771	-0.00131	0.01043	-0.00564	0.00154	0.00034	0.00526
8248	1888.42	124.0	3.51	0.24	0.0193	0.0297	36.36	1.687	8.539	3.1404	-0.00537	0.02959	-0.01762	-0.00171	0.00942	-0.00561	0.00114	-0.00067	0.00529
8249	1887.84	124.0	3.51	0.23	0.0176	0.0316	36.48	1.687	8.672	3.1387	-0.00674	0.02762	-0.01701	-0.00215	0.00880	-0.00542	0.00070	-0.00129	0.00548
8250	1887.84	124.1	3.51	0.25	0.0186	0.0331	36.62	1.688	8.783	3.1376	-0.00959	0.02368	-0.01861	-0.00306	0.00755	-0.00593	-0.00021	-0.00254	0.00497
8251	1887.70	124.1	3.51	0.24	0.0204	0.0322	36.73	1.688	8.908	3.1387	-0.01223	0.01644	-0.02271	-0.00390	0.00524	-0.00724	-0.00105	-0.00485	0.00366
8252	1888.56	124.1	3.51	0.24	0.0183	0.0357	36.86	1.688	9.033	3.1400	-0.01941	0.01099	-0.02406	-0.00618	0.00350	-0.00766	-0.00333	-0.00659	0.00324
8253	1888.56	123.9	3.51	0.25	0.0217	0.0329	36.99	1.688	9.151	3.1396	-0.02263	0.00737	-0.02515	-0.00721	0.00235	-0.00801	-0.00436	-0.00775	0.00289
8254	1887.55	124.0	3.51	0.23	0.0176	0													

Table A7. Concluded.

Run = 137

M = 1.60

xspos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8274	1888.27	124.0	3.51	0.26	0.0238	0.0294	39.61	1.689	11.767	3.1389	-0.01414	0.02828	-0.05860	-0.00451	0.00901	-0.01867	-0.00166	-0.00108	-0.00777
8275	1887.84	124.0	3.51	0.26	0.0255	0.0266	39.74	1.689	11.894	3.1388	-0.01257	0.03036	-0.05821	-0.00401	0.00967	-0.01855	-0.00116	-0.00042	-0.00765
8276	1887.70	124.1	3.51	0.25	0.0241	0.0249	39.86	1.689	12.021	3.1392	-0.01260	0.03159	-0.05359	-0.00401	0.01006	-0.01707	-0.00116	-0.00003	-0.00617
8277	1887.98	124.1	3.51	0.26	0.0272	0.0238	39.99	1.689	12.136	3.1377	-0.00994	0.03339	-0.04859	-0.00317	0.01064	-0.01549	-0.00032	0.00055	-0.00459
8278	1887.70	124.1	3.51	0.26	0.0252	0.0292	40.11	1.689	12.264	3.1389	-0.01176	0.03039	-0.04571	-0.00375	0.00968	-0.01456	-0.00090	-0.00041	-0.00366
8279	1888.56	124.2	3.51	0.26	0.0255	0.0248	40.23	1.689	12.391	3.1396	-0.00890	0.03008	-0.04195	-0.00284	0.00958	-0.01336	0.00001	-0.00051	-0.00246
8280	1888.27	123.9	3.51	0.25	0.0241	0.0315	40.36	1.689	12.521	3.1398	-0.00960	0.02742	-0.04212	-0.00306	0.00873	-0.01342	-0.00021	-0.00136	-0.00252
8281	1888.13	123.9	3.51	0.26	0.0259	0.0250	40.49	1.689	12.640	3.1398	-0.00874	0.02839	-0.04151	-0.00279	0.00904	-0.01322	0.00006	-0.00105	-0.00232
8282	1887.70	124.0	3.51	0.26	0.0241	0.0287	40.61	1.689	12.768	3.1380	-0.01047	0.02685	-0.03958	-0.00334	0.00856	-0.01261	-0.00049	-0.00154	-0.00171
8283	1887.84	123.9	3.51	0.25	0.0241	0.0287	40.74	1.689	12.896	3.1393	-0.01316	0.02272	-0.04256	-0.00419	0.00724	-0.01356	-0.00135	-0.00285	-0.00266
8284	1888.27	123.9	3.51	0.25	0.0210	0.0288	40.86	1.688	13.027	3.1390	-0.01378	0.02277	-0.04026	-0.00439	0.00726	-0.01283	-0.00154	-0.00284	-0.00193
8285	1888.27	123.8	3.51	0.27	0.0245	0.0307	40.98	1.689	13.133	3.1389	-0.01337	0.02351	-0.03950	-0.00426	0.00749	-0.01258	-0.00141	-0.00260	-0.00168
8286	1887.98	123.9	3.51	0.24	0.0224	0.0324	41.11	1.688	13.279	3.1390	-0.01478	0.02140	-0.04059	-0.00471	0.00682	-0.01293	-0.00186	-0.00327	-0.00203
8287	1888.13	123.9	3.51	0.25	0.0245	0.0326	41.23	1.689	13.395	3.1393	-0.01612	0.02110	-0.04038	-0.00514	0.00672	-0.01286	-0.00229	-0.00337	-0.00196
8288	1887.98	124.0	3.51	0.27	0.0259	0.0296	41.36	1.690	13.509	3.1393	-0.01766	0.02140	-0.04074	-0.00563	0.00682	-0.01298	-0.00278	-0.00328	-0.00208
8289	1887.70	124.1	3.51	0.24	0.0245	0.0298	41.49	1.688	13.656	3.1392	-0.01524	0.02660	-0.03978	-0.00485	0.00847	-0.01267	-0.00201	-0.00162	-0.00177
8290	1887.84	124.1	3.51	0.26	0.0238	0.0294	41.61	1.689	13.765	3.1390	-0.01374	0.02893	-0.03922	-0.00438	0.00922	-0.01250	-0.00153	-0.00087	-0.00160
8291	1888.42	124.1	3.51	0.27	0.0279	0.0261	41.74	1.690	13.883	3.1383	-0.00858	0.03221	-0.03803	-0.00273	0.01026	-0.01212	0.00011	0.00017	-0.00122
8292	1888.13	124.2	3.51	0.24	0.0210	0.0354	41.86	1.688	14.035	3.1392	-0.00873	0.03053	-0.03919	-0.00278	0.00972	-0.01248	0.00007	-0.00037	-0.00158
8293	1887.84	124.3	3.51	0.24	0.0235	0.0311	41.99	1.688	14.161	3.1397	-0.00896	0.02554	-0.04193	-0.00285	0.00813	-0.01336	-0.00001	-0.00196	-0.00246
8294	1887.98	124.2	3.51	0.25	0.0269	0.0255	42.11	1.689	14.269	3.1397	-0.01158	0.02402	-0.04407	-0.00369	0.00765	-0.01404	-0.00084	-0.00244	-0.00314
8295	1888.13	124.3	3.51	0.25	0.0259	0.0240	42.23	1.688	14.397	3.1401	-0.01364	0.02236	-0.04496	-0.00434	0.00712	-0.01432	-0.00150	-0.00297	-0.00342
8296	1887.98	124.4	3.51	0.25	0.0235	0.0274	42.36	1.688	14.527	3.1389	-0.01540	0.02432	-0.04317	-0.00491	0.00775	-0.01375	-0.00206	-0.00234	-0.00285
8297	1888.13	124.3	3.51	0.25	0.0269	0.0246	42.49	1.689	14.647	3.1384	-0.01593	0.02772	-0.04170	-0.00508	0.00883	-0.01329	-0.00223	-0.00126	-0.00239
8298	1887.70	124.3	3.51	0.25	0.0255	0.0257	42.61	1.689	14.775	3.1382	-0.01396	0.03205	-0.03871	-0.00445	0.01021	-0.01234	-0.00160	0.00012	-0.00144
8299	1887.98	124.1	3.51	0.25	0.0245	0.0279	42.74	1.689	14.897	3.1392	-0.00916	0.03439	-0.03691	-0.00292	0.01096	-0.01176	-0.00007	0.00086	-0.00086
8300	1888.56	123.9	3.51	0.27	0.0265	0.0244	42.86	1.690	15.004	3.1391	-0.00602	0.03573	-0.03402	-0.00192	0.01138	-0.01084	0.00093	0.00129	0.00006
8301	1887.84	124.2	3.51	0.27	0.0255	0.0238	42.98	1.689	15.133	3.1386	-0.00528	0.03411	-0.03550	-0.00168	0.01087	-0.01131	0.00117	0.00078	-0.00041
8302	1887.98	124.3	3.51	0.26	0.0269	0.0237	43.11	1.689	15.261	3.1384	-0.00527	0.03455	-0.03663	-0.00168	0.01101	-0.01167	0.00117	0.00092	-0.00077
8303	1888.13	124.1	3.51	0.26	0.0259	0.0212	43.24	1.689	15.386	3.1387	-0.00571	0.03338	-0.03960	-0.00182	0.01063	-0.01262	0.00103	0.00054	-0.00172
8304	1887.84	124.2	3.51	0.26	0.0235	0.0274	43.36	1.689	15.518	3.1382	-0.00529	0.03374	-0.04249	-0.00169	0.01075	-0.01354	0.00116	0.00066	-0.00264
8305	1887.84	124.1	3.51	0.25	0.0204	0.0266	43.49	1.688	15.654	3.1380	-0.00769	0.03306	-0.04088	-0.00245	0.01054	-0.01303	0.00040	0.00045	-0.00213
8306	1888.13	124.1	3.51	0.26	0.0241	0.0231	43.61	1.689	15.767	3.1387	-0.00720	0.03267	-0.03728	-0.00229	0.01041	-0.01188	0.00055	0.00032	-0.00098
8307	1887.84	124.2	3.51	0.27	0.0272	0.0220	43.74	1.689	15.882	3.1388	-0.00929	0.03166	-0.03641	-0.00296	0.01009	-0.01160	-0.00011	0.00000	-0.00070
8308	1888.13	124.3	3.51	0.26	0.0269	0.0171	43.86	1.689	16.018	3.1388	-0.00855	0.03216	-0.03320	-0.00272	0.01025	-0.01058	0.00012	0.00015	0.00032
8309	1887.84	124.2	3.51	0.25	0.0252	0.0208	43.99	1.689	16.147	3.1388	-0.00978	0.03158	-0.03041	-0.00311	0.01006	-0.00969	-0.00027	-0.00003	0.00121
8310	1888.13	123.9	3.51	0.25	0.0241	0.0212	44.11	1.688	16.274	3.1391	-0.00902	0.03123	-0.03042	-0.00287	0.00995	-0.00969	-0.00002	-0.00014	0.00121
8311	1888.27	124.0	3.51	0.23	0.0217	0.0264	44.24	1.688	16.414	3.1393	-0.00983	0.03016	-0.03023	-0.00313	0.00961	-0.00963	-0.00028	-0.00048	0.00127
8312	1888.27	124.2	3.51	0.24	0.0214	0.0290	44.36	1.688	16.533	3.1388	-0.00893	0.03274	-0.03085	-0.00284	0.01043	-0.00983	0.00000	0.00034	0.00107
8313	1887.84	124.2	3.51	0.24	0.0241	0.0259	44.49	1.688	16.655	3.1393	-0.00895	0.03059	-0.03159	-0.00285	0.00974	-0.01006	0.00000	-0.00035	0.00084
8314	1888.27	124.2	3.51	0.24	0.0214	0.0281	44.61	1.688	16.782	3.1390	-0.00929	0.03125	-0.03185	-0.00296	0.00995	-0.01015	-0.00011	-0.00014	0.00075
8315	1887.98	124.2	3.51	0.25	0.0238	0.0257	44.74	1.689	16.896	3.1389	-0.00852	0.03102	-0.03355	-0.00272	0.00988	-0.01069	0.00013	-0.00021	0.00021
8316	1888.27	124.1	3.51	0.24	0.0211	0.0270	44.86	1.688	17.038	3.1387	-0.00827	0.03239	-0.03233	-0.00264	0.01032	-0.01030	0.00021	0.00023	0.00060
8317	1887.98	124.1	3.51	0.24	0.0231	0.0272	44.99	1.688	17.160	3.1394	-0.00887	0.03183	-0.03369	-0.00283	0.01014	-0.01073	0.00002	0.00005	0.00017
8318	1887.84	124.2	3.51	0.24	0.0262	0.0214	45.11	1.688	17.273	3.1391	-0.00964	0.03130	-0.03438	-0.00307	0.00997	-0.01095	-0.00022	-0.00012	-0.00005
8319	1887.84	124.1	3.51	0.26	0.0241	0.0240	45.24	1.689	17.389	3.1386	-0.00835	0.03243	-0.03439	-0.00266	0.01033	-0.01096	0.00019	0.00024	-0.00006
8320	1887.84	124.1	3.51	0.26	0.0255	0.0210	45.36	1.689	17.515	3.1393	-0.00823	0.03154	-0.03467	-0.00262	0.01005	-0.01104	0.00022	-0.00004	-0.00014
8321	1887.84	124.0	3.51	0.24	0.0204	0.0285	45.49	1.688	17.660	3.1387	-0.00916	0.03139	-0.03285	-0.00292	0.01000	-0.01047	-0.00007	-0.00009	0.00043
8322	1888.27	124.1	3.51	0.25	0.0231	0.0234	45.61	1.688	17.778	3.1385	-0.00921	0.03295	-0.03260	-0.00293	0.01050	-0.01039	-0.00009	0.00041	0.00051
8323	1888.27	124.0	3.51	0.23	0.0214	0.0309	45.73	1.688	17.910	3.1398	-0.00949	0.03094	-0.03373	-0.00302	0.00985	-0.01074	-0.00017	-0.00024	0.00016
8324	1887.84	124.0	3.51	0.24	0.0204	0.0313	45.86	1.688	18.032	3.1384	-0.00844	0.03166	-0.03384	-0.00269	0.01009	-0.01078	0.00016	0.00000	0.00011
8325	1887.70	124.1	3.51	0.25	0.0245	0.0270	45.98	1.689	18.145	3.1376	-0.00808	0.03317	-0.03213	-0.00257	0.01057	-0.01024	0.00027	0.00048	0.00066
8326	1887.98	124.1	3.51	0.24	0.0214	0.0300	46.11	1.688	18.280	3.1386	-0.00926	0.03214	-0.03426	-0.00295	0.01024	-0.01092	-0.00010	0.00015	-0.00002

Table A8. Run 138.

Run = 138

M = 1.60

xsppos = 42.349

point	p0	t0	rfft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8327	1887.70	124.1	3.51	0.65	0.0458	-0.0033	21.36	1.689	-6.476	3.1384	-0.00909	0.03140	-0.03493	-0.00290	0.01001	-0.01113	0.00000	-0.00001	-0.00004
8328	1887.84	124.1	3.51	0.65	0.0444	-0.0003	21.49	1.688	-6.348	3.1386	-0.00882	0.03195	-0.03542	-0.00281	0.01018	-0.01129	0.00008	0.00016	-0.00020
8329	1887.98	123.9	3.51	0.66	0.0472	-0.0034	21.61	1.689	-6.235	3.1386	-0.00964	0.03091	-0.03422	-0.00307	0.00985	-0.01090	-0.00018	-0.00017	0.00019
8330	1888.13	124.1	3.51	0.65	0.0468	-0.0027	21.74	1.689	-6.109	3.1378	-0.00852	0.03181	-0.03472	-0.00272	0.01014	-0.01106	0.00018	0.00012	0.00002
8331	1888.13	124.0	3.51	0.65	0.0413	0.0017	21.86	1.688	-5.975	3.1387	-0.00934	0.03110	-0.03472	-0.00297	0.00991	-0.01106	-0.00008	-0.00011	0.00003
8332	1887.98	124.1	3.51	0.66	0.0455	-0.0053	21.98	1.689	-5.860	3.1380	-0.00915	0.03111	-0.03518	-0.00292	0.00991	-0.01121	-0.00002	-0.00010	-0.00012
8333	1887.98	124.1	3.51	0.65	0.0437	-0.0081	22.11	1.688	-5.726	3.1389	-0.00842	0.03106	-0.03527	-0.00268	0.00990	-0.01124	0.00021	-0.00012	-0.00015
8334	1887.98	124.0	3.51	0.65	0.0472	-0.0053	22.24	1.689	-5.608	3.1389	-0.00739	0.03145	-0.03409	-0.00236	0.01002	-0.01086	0.00054	0.00000	0.00023
8335	1887.84	124.0	3.51	0.65	0.0482	-0.0113	22.36	1.689	-5.482	3.1391	-0.00978	0.03112	-0.03607	-0.00312	0.00991	-0.01149	-0.00022	-0.00010	-0.00040
8336	1887.84	124.0	3.51	0.65	0.0451	-0.0046	22.49	1.689	-5.354	3.1388	-0.00918	0.03165	-0.03474	-0.00293	0.01008	-0.01107	-0.00003	0.00007	0.00002
8337	1887.84	124.2	3.51	0.65	0.0458	-0.0042	22.61	1.689	-5.230	3.1396	-0.00963	0.03062	-0.03444	-0.00307	0.00975	-0.01097	-0.00017	-0.00026	0.00012
8338	1887.41	124.3	3.50	0.65	0.0465	-0.0066	22.74	1.689	-5.103	3.1384	-0.00892	0.03073	-0.03630	-0.00284	0.00979	-0.01157	0.00005	-0.00022	-0.00048
8339	1887.70	124.3	3.51	0.64	0.0410	0.0016	22.86	1.688	-4.970	3.1394	-0.00979	0.03048	-0.03243	-0.00312	0.00971	-0.01033	-0.00023	-0.00031	0.00076
8340	1887.84	124.2	3.51	0.64	0.0406	0.0042	22.99	1.688	-4.842	3.1378	-0.00676	0.03150	-0.03483	-0.00215	0.01004	-0.01110	0.00074	0.00002	-0.00001
8341	1887.41	124.1	3.51	0.65	0.0427	-0.0012	23.11	1.688	-4.725	3.1388	-0.00933	0.03109	-0.03741	-0.00297	0.00990	-0.01192	-0.00008	-0.00011	-0.00083
8342	1888.13	124.0	3.51	0.64	0.0420	-0.0016	23.23	1.688	-4.598	3.1406	-0.00988	0.03042	-0.03558	-0.00315	0.00968	-0.01133	-0.00025	-0.00033	-0.00024
8343	1887.84	123.9	3.51	0.65	0.0468	-0.0064	23.36	1.689	-4.480	3.1392	-0.00917	0.03136	-0.03436	-0.00292	0.00999	-0.01095	-0.00003	-0.00003	0.00014
8344	1887.84	124.0	3.51	0.65	0.0468	-0.0092	23.49	1.689	-4.355	3.1393	-0.00797	0.03117	-0.03633	-0.00254	0.00993	-0.01157	0.00035	-0.00009	-0.00049
8345	1887.84	123.9	3.51	0.65	0.0441	-0.0033	23.61	1.689	-4.230	3.1388	-0.00797	0.03144	-0.03464	-0.00254	0.01002	-0.01104	0.00035	0.00000	0.00005
8346	1887.98	123.9	3.51	0.65	0.0434	-0.0074	23.74	1.689	-4.103	3.1402	-0.01094	0.03150	-0.03496	-0.00348	0.01003	-0.01113	-0.00059	0.00001	-0.00004
8347	1887.98	123.9	3.51	0.65	0.0458	-0.0051	23.86	1.689	-3.985	3.1403	-0.01003	0.03105	-0.03605	-0.00319	0.00989	-0.01148	-0.00030	-0.00013	-0.00039
8348	1887.70	123.9	3.51	0.65	0.0413	-0.0011	23.99	1.688	-3.848	3.1391	-0.00986	0.03178	-0.03394	-0.00314	0.01013	-0.01081	-0.00025	0.00011	0.00028
8349	1887.98	124.0	3.51	0.65	0.0434	-0.0046	24.11	1.688	-3.727	3.1380	-0.00813	0.03167	-0.03365	-0.00259	0.01009	-0.01072	0.00030	0.00008	0.00036
8350	1888.13	124.0	3.51	0.65	0.0437	0.0031	24.23	1.688	-3.603	3.1396	-0.00949	0.03029	-0.03519	-0.00302	0.00965	-0.01121	-0.00013	-0.00037	-0.00012
8351	1887.98	124.0	3.51	0.65	0.0437	0.0059	24.36	1.688	-3.478	3.1391	-0.00984	0.03270	-0.03359	-0.00314	0.01042	-0.01070	-0.00024	0.00040	0.00039
8352	1887.98	123.9	3.51	0.65	0.0430	0.0073	24.49	1.688	-3.349	3.1399	-0.00957	0.03366	-0.03399	-0.00305	0.01072	-0.01083	-0.00016	0.00070	0.00026
8353	1887.98	124.1	3.51	0.65	0.0461	0.0053	24.61	1.689	-3.230	3.1392	-0.00797	0.03376	-0.03608	-0.00254	0.01075	-0.01149	0.00035	0.00074	-0.00041
8354	1887.70	124.2	3.51	0.65	0.0417	0.0066	24.73	1.688	-3.100	3.1388	-0.00795	0.03546	-0.03446	-0.00253	0.01130	-0.01098	0.00036	0.00128	0.00011
8355	1888.13	124.3	3.51	0.64	0.0406	0.0060	24.86	1.688	-2.968	3.1396	-0.00798	0.03208	-0.03376	-0.00254	0.01022	-0.01075	0.00035	0.00020	0.00033
8356	1887.84	124.2	3.51	0.65	0.0434	0.0047	24.98	1.688	-2.852	3.1397	-0.00802	0.03037	-0.03457	-0.00256	0.00967	-0.01101	0.00034	-0.00034	0.00008
8357	1888.27	124.2	3.51	0.65	0.0441	0.0042	25.11	1.689	-2.731	3.1401	-0.00929	0.02973	-0.03563	-0.00296	0.00947	-0.01135	-0.00006	-0.00055	-0.00026
8358	1887.98	123.9	3.51	0.65	0.0423	0.0070	25.24	1.688	-2.599	3.1378	-0.00979	0.03077	-0.03513	-0.00312	0.00981	-0.01120	-0.00023	-0.00021	-0.00011
8359	1887.98	123.9	3.51	0.64	0.0399	0.0057	25.36	1.688	-2.466	3.1389	-0.00994	0.03274	-0.03377	-0.00317	0.01043	-0.01076	-0.00027	0.00041	0.00033
8360	1888.13	123.9	3.51	0.64	0.0417	0.0075	25.48	1.688	-2.347	3.1394	-0.00933	0.03651	-0.03378	-0.00297	0.01131	-0.01076	-0.00008	0.00129	0.00033
8361	1887.98	123.9	3.51	0.64	0.0423	0.0060	25.61	1.688	-2.222	3.1396	-0.00759	0.03862	-0.03395	-0.00242	0.01230	-0.01081	0.00048	0.00229	0.00028
8362	1887.70	123.9	3.51	0.65	0.0427	0.0006	25.74	1.688	-2.099	3.1389	-0.00513	0.03868	-0.03357	-0.00163	0.01232	-0.01069	0.00126	0.00231	0.00039
8363	1887.55	124.0	3.51	0.64	0.0400	0.0038	25.86	1.688	-1.964	3.1392	-0.00243	0.03651	-0.03150	-0.00078	0.01163	-0.01003	0.00212	0.00161	0.00106
8364	1887.84	124.1	3.51	0.64	0.0427	0.0006	25.99	1.688	-1.845	3.1389	-0.00243	0.03629	-0.03022	-0.00077	0.01156	-0.00963	0.00212	0.00155	0.00146
8365	1888.27	124.2	3.51	0.64	0.0406	0.0042	26.11	1.688	-1.717	3.1399	-0.00391	0.03204	-0.03209	-0.00124	0.01020	-0.01022	0.00165	0.00019	0.00087
8366	1887.84	124.3	3.51	0.64	0.0406	-0.0005	26.23	1.688	-1.593	3.1395	-0.00608	0.02718	-0.03540	-0.00194	0.00866	-0.01128	0.00096	-0.00136	-0.00019
8367	1887.70	124.2	3.51	0.64	0.0410	-0.0012	26.36	1.688	-1.470	3.1392	-0.00969	0.02841	-0.03596	-0.00309	0.00905	-0.01146	-0.00020	-0.00096	-0.00037
8368	1888.13	124.0	3.51	0.65	0.0430	-0.0020	26.49	1.689	-1.356	3.1396	-0.01121	0.03027	-0.03458	-0.00357	0.00964	-0.01102	-0.00068	-0.00037	0.00007
8369	1887.98	124.0	3.51	0.64	0.0386	0.0021	26.61	1.688	-1.215	3.1395	-0.01215	0.03718	-0.03434	-0.00387	0.01184	-0.01094	-0.00098	0.00183	0.00015
8370	1888.13	124.0	3.51	0.64	0.0396	0.0017	26.73	1.688	-1.093	3.1400	-0.00816	0.04075	-0.03171	-0.00260	0.01298	-0.01010	0.00029	0.00296	0.00099
8371	1888.13	124.0	3.51	0.64	0.0379	0.0036	26.86	1.688	-0.966	3.1398	-0.00467	0.04194	-0.02814	-0.00149	0.01336	-0.00896	0.00141	0.00334	0.00213
8372	1887.98	123.9	3.51	0.65	0.0420	0.0021	26.99	1.688	-0.849	3.1387	-0.00006	0.04184	-0.02582	-0.00002	0.01333	-0.00823	0.00287	0.00331	0.00286
8373	1888.27	123.9	3.51	0.64	0.0413	0.0008	27.11	1.688	-0.720	3.1397	-0.00136	0.03942	-0.02583	-0.00043	0.01255	-0.00823	0.00246	0.00254	0.00286
8374	1887.98	123.9	3.51	0.65	0.0427	-0.0031	27.23	1.688	-0.603	3.1395	-0.00078	0.03476	-0.02990	-0.00025	0.01107	-0.00953	0.00264	0.00105	0.00156
8375	1888.27	123.8	3.51	0.64	0.0434	-0.0027	27.36	1.688	-0.471	3.1398	-0.00309	0.03145	-0.03530	-0.00098	0.01002	-0.01124	0.00191	0.00000	-0.00015
8376	1887.70	123.9	3.51	0.65	0.0444	-0.0040	27.49	1.688	-0.349	3.1387	-0.00589	0.03064	-0.03666	-0.00188	0.00976	-0.01168	0.00102	-0.00025	-0.00059
8377	1888.27	123.9	3.51	0.65	0.0399	0.0019	27.61	1.688	-0.224	3.1393	-0.01082	0.03143	-0.03678	-0.00345	0.01001	-0.01172	-0.00055	0.00000	-0.00063
8378	1888.42	124.0	3.51	0.65	0.0410	0.0016	27.74	1.688	-0.098	3.1393	-0.01036	0.03654	-0.03181	-0.00330	0.01164	-0.01013	-0.00041	0.00162	0.00095
8379	1887.98	124.0	3.51	0.65	0.0448	-0.0038	27.86	1.689	0.022	3.1393	-0.01032	0.04103	-0.03084	-0.00329	0.01307	-0.00982	-0.00039	0.00306	0.00126
8380	1887.84	124.0	3.51	0.64	0.0396														

Table A8. Continued.

Run = 138
M = 1.60
xspos = 42.347

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8400	1888.13	124.1	3.51	0.65	0.0472	0.0012	30.49	1.689	2.645	3.1396	-0.00016	0.04081	-0.02134	-0.00005	0.01300	-0.00680	0.00284	0.00298	0.00429
8401	1888.27	124.1	3.51	0.65	0.0454	-0.0016	30.61	1.689	2.772	3.1397	-0.00036	0.04134	-0.02243	-0.00011	0.01317	-0.00715	0.00278	0.00315	0.00394
8402	1887.84	124.2	3.51	0.65	0.0485	-0.0018	30.74	1.689	2.894	3.1389	-0.00030	0.04148	-0.02320	-0.00010	0.01322	-0.00739	0.00280	0.00320	0.00370
8403	1887.98	124.4	3.50	0.64	0.0451	-0.0008	30.86	1.688	3.025	3.1401	-0.00136	0.04158	-0.02494	-0.00043	0.01324	-0.00794	0.00246	0.00323	0.00315
8404	1887.84	124.3	3.51	0.65	0.0472	-0.0006	30.98	1.689	3.146	3.1381	0.00080	0.04320	-0.02346	0.00026	0.01377	-0.00748	0.00315	0.00375	0.00361
8405	1887.70	124.2	3.51	0.65	0.0479	-0.0012	31.11	1.689	3.267	3.1392	0.00154	0.04311	-0.02387	0.00049	0.01373	-0.00760	0.00338	0.00372	0.00349
8406	1887.98	124.3	3.51	0.65	0.0475	0.0014	31.23	1.689	3.394	3.1395	0.00051	0.04369	-0.02369	0.00016	0.01392	-0.00755	0.00306	0.00390	0.00354
8407	1887.98	124.4	3.51	0.64	0.0430	0.0073	31.36	1.688	3.528	3.1393	0.00187	0.04434	-0.02382	0.00060	0.01412	-0.00759	0.00349	0.00411	0.00350
8408	1887.98	124.3	3.51	0.65	0.0468	0.0066	31.48	1.689	3.645	3.1399	0.00239	0.04348	-0.02479	0.00076	0.01385	-0.00789	0.00365	0.00383	0.00319
8409	1887.84	124.1	3.51	0.64	0.0441	0.0135	31.61	1.688	3.775	3.1395	0.00284	0.04330	-0.02512	0.00090	0.01379	-0.00800	0.00380	0.00378	0.00309
8410	1887.98	124.2	3.51	0.65	0.0482	0.0055	31.74	1.689	3.894	3.1400	0.00120	0.04086	-0.02521	0.00038	0.01301	-0.00803	0.00328	0.00300	0.00306
8411	1888.13	124.2	3.51	0.65	0.0468	0.0057	31.86	1.689	4.023	3.1399	0.00119	0.03993	-0.02447	0.00038	0.01272	-0.00779	0.00327	0.00270	0.00329
8412	1887.98	124.1	3.51	0.64	0.0472	0.0022	31.98	1.688	4.146	3.1391	0.00107	0.04049	-0.02474	0.00034	0.01290	-0.00788	0.00323	0.00288	0.00321
8413	1887.84	124.1	3.51	0.65	0.0461	0.0035	32.11	1.688	4.273	3.1397	-0.00130	0.04307	-0.02309	-0.00041	0.01372	-0.00735	0.00248	0.00370	0.00373
8414	1887.84	124.1	3.51	0.65	0.0475	0.0005	32.23	1.689	4.394	3.1396	-0.00012	0.04390	-0.02345	-0.00004	0.01398	-0.00747	0.00286	0.00397	0.00362
8415	1887.55	124.2	3.51	0.65	0.0503	-0.0036	32.36	1.689	4.515	3.1389	0.00141	0.04761	-0.02289	0.00045	0.01517	-0.00729	0.00334	0.00515	0.00379
8416	1887.98	124.1	3.51	0.65	0.0468	0.0010	32.49	1.689	4.648	3.1397	0.00529	0.04603	-0.02264	0.00169	0.01466	-0.00721	0.00458	0.00464	0.00388
8417	1888.13	124.1	3.51	0.65	0.0492	-0.0014	32.61	1.689	4.762	3.1391	0.00618	0.04738	-0.02260	0.00197	0.01509	-0.00720	0.00486	0.00508	0.00389
8418	1887.84	124.1	3.51	0.65	0.0499	-0.0038	32.74	1.689	4.891	3.1396	0.00765	0.04501	-0.02295	0.00244	0.01434	-0.00731	0.00533	0.00432	0.00378
8419	1887.98	124.3	3.51	0.65	0.0496	-0.0003	32.86	1.689	5.019	3.1394	0.00498	0.04485	-0.02214	0.00159	0.01429	-0.00705	0.00448	0.00427	0.00404
8420	1888.13	124.3	3.51	0.65	0.0492	-0.0014	32.99	1.689	5.143	3.1398	0.00451	0.04496	-0.02322	0.00144	0.01432	-0.00740	0.00433	0.00430	0.00369
8421	1887.84	124.3	3.51	0.64	0.0468	0.0010	33.11	1.688	5.274	3.1390	0.00369	0.04540	-0.02305	0.00118	0.01446	-0.00734	0.00407	0.00445	0.00374
8422	1887.84	124.2	3.51	0.65	0.0472	-0.0006	33.24	1.689	5.395	3.1387	0.00521	0.04494	-0.02252	0.00166	0.01432	-0.00718	0.00455	0.00430	0.00391
8423	1887.84	124.3	3.51	0.65	0.0489	-0.0025	33.36	1.689	5.520	3.1390	0.00581	0.04567	-0.02176	0.00185	0.01455	-0.00693	0.00475	0.00453	0.00415
8424	1887.70	124.2	3.51	0.64	0.0444	0.0053	33.49	1.688	5.653	3.1381	0.00551	0.04695	-0.02169	0.00176	0.01496	-0.00538	0.00465	0.00495	0.00571
8425	1887.98	124.1	3.51	0.64	0.0441	0.0060	33.61	1.688	5.780	3.1403	0.00506	0.04687	-0.01888	0.00161	0.01492	-0.00601	0.00450	0.00491	0.00508
8426	1887.98	124.1	3.51	0.65	0.0465	-0.0001	33.74	1.688	5.900	3.1392	0.00799	0.04969	-0.01918	0.00255	0.01583	-0.00611	0.00544	0.00581	0.00498
8427	1887.98	123.9	3.51	0.64	0.0444	-0.0012	33.86	1.688	6.027	3.1408	0.00749	0.04925	-0.01747	0.00239	0.01568	-0.00556	0.00528	0.00566	0.00553
8428	1887.84	124.0	3.51	0.65	0.0444	-0.0003	33.99	1.688	6.150	3.1397	0.00904	0.04985	-0.02032	0.00288	0.01588	-0.00647	0.00577	0.00586	0.00462
8429	1888.13	124.1	3.51	0.64	0.0461	-0.0040	34.11	1.688	6.274	3.1393	0.01034	0.05313	-0.01957	0.00329	0.01692	-0.00623	0.00619	0.00691	0.00486
8430	1887.84	124.1	3.51	0.64	0.0461	-0.0012	34.24	1.688	6.400	3.1388	0.01142	0.05548	-0.01799	0.00364	0.01768	-0.00573	0.00653	0.00766	0.00536
8431	1887.84	124.1	3.51	0.64	0.0461	-0.0021	34.36	1.688	6.524	3.1391	0.01248	0.05542	-0.02128	0.00398	0.01765	-0.00678	0.00687	0.00764	0.00431
8432	1887.98	124.2	3.51	0.65	0.0441	-0.0033	34.49	1.688	6.651	3.1405	0.01340	0.05272	-0.02221	0.00427	0.01679	-0.00707	0.00716	0.00677	0.00401
8433	1887.98	124.2	3.51	0.64	0.0448	-0.0038	34.61	1.688	6.775	3.1403	0.01326	0.05501	-0.01804	0.00422	0.01752	-0.00574	0.00712	0.00750	0.00534
8434	1887.98	124.2	3.51	0.64	0.0427	0.0006	34.73	1.688	6.902	3.1388	0.01426	0.05525	-0.01656	0.00454	0.01760	-0.00528	0.00744	0.00759	0.00581
8435	1888.27	124.0	3.51	0.64	0.0420	0.0021	34.86	1.688	7.027	3.1396	0.01332	0.05505	-0.01523	0.00424	0.01753	-0.00485	0.00714	0.00752	0.00624
8436	1888.13	124.1	3.51	0.65	0.0410	0.0062	34.99	1.688	7.151	3.1393	0.01672	0.05510	-0.01403	0.00533	0.01755	-0.00447	0.00822	0.00754	0.00662
8437	1888.13	124.3	3.51	0.64	0.0444	0.0006	35.11	1.688	7.277	3.1392	0.01799	0.05486	-0.01344	0.00573	0.01748	-0.00428	0.00862	0.00746	0.00681
8438	1887.84	124.1	3.51	0.65	0.0417	0.0010	35.23	1.688	7.396	3.1391	0.01566	0.05077	-0.01350	0.00499	0.01617	-0.00430	0.00788	0.00616	0.00679
8439	1887.98	124.1	3.51	0.64	0.0372	0.0060	35.36	1.688	7.539	3.1400	0.01184	0.04823	-0.01452	0.00377	0.01536	-0.00463	0.00666	0.00534	0.00646
8440	1887.55	124.1	3.51	0.64	0.0376	0.0071	35.48	1.688	7.660	3.1391	0.01069	0.04517	-0.01499	0.00341	0.01439	-0.00478	0.00630	0.00437	0.00631
8441	1887.98	124.1	3.51	0.64	0.0444	-0.0012	35.61	1.688	7.773	3.1388	0.00966	0.04536	-0.01030	0.00308	0.01445	-0.00328	0.00597	0.00444	0.00781
8442	1888.42	124.0	3.51	0.65	0.0427	-0.0022	35.73	1.688	7.900	3.1399	0.00591	0.04248	-0.01086	0.00188	0.01353	-0.00346	0.00477	0.00351	0.00763
8443	1888.42	124.1	3.51	0.64	0.0417	0.0019	35.86	1.688	8.028	3.1396	0.00422	0.04199	-0.01006	0.00134	0.01338	-0.00320	0.00424	0.00336	0.00788
8444	1887.84	124.1	3.51	0.64	0.0389	0.0014	35.99	1.688	8.159	3.1398	0.00323	0.03857	-0.01196	0.00103	0.01228	-0.00381	0.00392	0.00227	0.00728
8445	1887.70	124.1	3.51	0.64	0.0386	0.0058	36.11	1.688	8.283	3.1387	0.00304	0.03462	-0.01059	0.00011	0.01103	-0.00338	0.00300	0.00101	0.00771
8446	1887.70	123.9	3.51	0.64	0.0382	0.0038	36.24	1.688	8.412	3.1397	-0.00175	0.03010	-0.01295	-0.00056	0.00959	-0.00413	0.00234	-0.00043	0.00696
8447	1888.13	123.8	3.51	0.65	0.0417	0.0047	36.36	1.689	8.521	3.1401	-0.00373	0.02890	-0.01316	-0.00119	0.00920	-0.00419	0.00171	-0.00081	0.00690
8448	1887.98	124.0	3.51	0.65	0.0410	0.0034	36.48	1.688	8.652	3.1396	-0.00770	0.02225	-0.01684	-0.00245	0.00709	-0.00536	0.00044	-0.00293	0.00573
8449	1887.98	124.1	3.51	0.64	0.0406	0.0014	36.61	1.688	8.779	3.1396	-0.01288	0.01663	-0.01681	-0.00410	0.00530	-0.00535	-0.00121	-0.00472	0.00573
8450	1888.13	124.0	3.51	0.64	0.0375	0.0081	36.74	1.688	8.907	3.1390	-0.01872	0.01169	-0.01902	-0.00596	0.00373	-0.00606	-0.00307	-0.00629	0.00503
8451	1887.84	124.1	3.51	0.64	0.0430	0.0036	36.86	1.688	9.027	3.1401	-0.02096	0.00755	-0.02183	-0.00668	0.00241	-0.00695	-0.00378	-0.00761	0.00413
8452	1887.84	124.1	3.51	0.65	0.0396	0.0073	36.99	1.688	9.153	3.1397	-0.02728	0.00397	-0.02591	-0.00869	0.00126	-0.00825	-0.00579	-0.00875	0.00284
8453	1887.84	124.1	3.51	0.65	0.0441	0.0051	37.11	1.689	9.270	3.1400	-0.03026	0.00440	-0.02788	-0.00964					

Table A8. Concluded.

Run = 138

M = 1.60

xspos = 42.347

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8473	1888.13	124.0	3.51	0.65	0.0437	0.0105	39.61	1.688	11.773	3.1399	-0.01311	0.02458	-0.05756	-0.00417	0.00783	-0.01833	-0.00128	-0.00219	-0.00725
8474	1888.27	124.0	3.51	0.65	0.0475	0.0023	39.74	1.689	11.893	3.1399	-0.01426	0.02810	-0.05434	-0.00454	0.00895	-0.01731	-0.00165	-0.00107	-0.00622
8475	1887.98	123.9	3.51	0.66	0.0468	0.0038	39.86	1.689	12.014	3.1400	-0.01405	0.02726	-0.04975	-0.00448	0.00868	-0.01584	-0.00158	-0.00133	-0.00476
8476	1887.98	123.8	3.51	0.65	0.0454	0.0031	39.99	1.688	12.150	3.1399	-0.01349	0.02887	-0.04599	-0.00430	0.00920	-0.01465	-0.00140	-0.00082	-0.00356
8477	1887.70	123.9	3.51	0.65	0.0451	0.0029	40.11	1.689	12.271	3.1390	-0.01157	0.02733	-0.04372	-0.00369	0.00871	-0.01393	-0.00079	-0.00131	-0.00284
8478	1888.13	123.9	3.51	0.65	0.0451	0.0057	40.24	1.689	12.393	3.1400	-0.01261	0.02606	-0.04400	-0.00402	0.00830	-0.01401	-0.00112	-0.00172	-0.00293
8479	1888.27	123.9	3.51	0.65	0.0458	0.0061	40.36	1.689	12.523	3.1412	-0.01162	0.02391	-0.04410	-0.00370	0.00761	-0.01404	-0.00081	-0.00240	-0.00295
8480	1887.98	123.9	3.51	0.65	0.0468	0.0038	40.49	1.689	12.645	3.1400	-0.01210	0.02282	-0.04451	-0.00385	0.00727	-0.01418	-0.00096	-0.00275	-0.00309
8481	1887.84	124.1	3.51	0.65	0.0423	0.0079	40.61	1.689	12.772	3.1401	-0.01265	0.02286	-0.04152	-0.00403	0.00728	-0.01322	-0.00114	-0.00274	-0.00213
8482	1887.84	124.1	3.51	0.65	0.0454	0.0049	40.74	1.689	12.893	3.1395	-0.01491	0.02057	-0.04237	-0.00475	0.00655	-0.01350	-0.00186	-0.00346	-0.00241
8483	1887.70	124.1	3.51	0.66	0.0492	0.0014	40.86	1.689	13.013	3.1392	-0.01544	0.01962	-0.04262	-0.00492	0.00625	-0.01358	-0.00202	-0.00377	-0.00249
8484	1887.70	124.1	3.51	0.65	0.0444	0.0072	40.99	1.688	13.151	3.1390	-0.01626	0.01930	-0.04053	-0.00518	0.00615	-0.01291	-0.00229	-0.00387	-0.00182
8485	1888.13	124.1	3.51	0.65	0.0465	0.0055	41.11	1.689	13.271	3.1391	-0.01692	0.02062	-0.04118	-0.00539	0.00657	-0.01312	-0.00250	-0.00345	-0.00203
8486	1888.27	124.1	3.51	0.65	0.0478	0.0025	41.23	1.689	13.390	3.1401	-0.01847	0.02373	-0.04239	-0.00588	0.00756	-0.01350	-0.00299	-0.00246	-0.00241
8487	1888.13	124.2	3.51	0.65	0.0461	0.0072	41.36	1.688	13.524	3.1401	-0.01611	0.02050	-0.04096	-0.00513	0.00798	-0.01304	-0.00224	-0.00204	-0.00195
8488	1887.98	124.1	3.51	0.65	0.0451	0.0085	41.49	1.689	13.645	3.1400	-0.01249	0.02880	-0.04096	-0.00398	0.00917	-0.01304	-0.00108	-0.00085	-0.00196
8489	1887.98	124.1	3.51	0.65	0.0489	0.0050	41.61	1.689	13.764	3.1397	-0.00965	0.02857	-0.04087	-0.00307	0.00910	-0.01302	-0.00018	-0.00092	-0.00193
8490	1887.70	124.1	3.51	0.65	0.0441	0.0088	41.74	1.689	13.899	3.1400	-0.00905	0.02732	-0.04375	-0.00288	0.00870	-0.01393	0.00001	-0.00132	-0.00284
8491	1887.84	124.1	3.51	0.65	0.0434	0.0094	41.86	1.689	14.022	3.1389	-0.00957	0.02594	-0.04111	-0.00305	0.00827	-0.01310	-0.00016	-0.00175	-0.00201
8492	1888.13	124.0	3.51	0.66	0.0461	0.0053	41.99	1.689	14.135	3.1393	-0.01139	0.02293	-0.04269	-0.00363	0.00730	-0.01360	-0.00074	-0.00271	-0.00251
8493	1887.84	124.1	3.51	0.65	0.0485	0.0010	42.11	1.689	14.266	3.1392	-0.01427	0.02166	-0.04488	-0.00454	0.00690	-0.01430	-0.00165	-0.00312	-0.00321
8494	1888.27	123.9	3.51	0.66	0.0458	0.0033	42.23	1.689	14.387	3.1398	-0.01804	0.02518	-0.04525	-0.00575	0.00802	-0.01441	-0.00285	-0.00200	-0.00332
8495	1888.13	124.1	3.51	0.66	0.0468	0.0029	42.36	1.689	14.513	3.1395	-0.01554	0.03076	-0.04245	-0.00495	0.00980	-0.01352	-0.00206	-0.00022	-0.00243
8496	1888.13	124.1	3.51	0.64	0.0437	0.0012	42.48	1.688	14.650	3.1399	-0.01053	0.03238	-0.03858	-0.00335	0.01031	-0.01229	-0.00046	0.00030	-0.00120
8497	1888.42	124.0	3.51	0.66	0.0465	-0.0029	42.61	1.689	14.764	3.1398	-0.00747	0.03379	-0.03523	-0.00238	0.01076	-0.01122	0.00051	0.00075	-0.00013
8498	1887.70	123.9	3.51	0.65	0.0458	-0.0014	42.73	1.689	14.893	3.1382	-0.00621	0.03409	-0.03506	-0.00198	0.01086	-0.01117	0.00091	0.00085	-0.00008
8499	1888.56	124.0	3.51	0.65	0.0461	-0.0003	42.86	1.689	15.017	3.1401	-0.00745	0.03482	-0.03572	-0.00237	0.01109	-0.01138	0.00052	0.00107	-0.00029
8500	1887.98	123.9	3.51	0.65	0.0441	0.0014	42.99	1.689	15.148	3.1402	-0.00606	0.03249	-0.04021	-0.00193	0.01034	-0.01280	0.00096	0.00033	-0.00172
8501	1888.13	123.9	3.51	0.66	0.0472	-0.0006	43.11	1.689	15.268	3.1392	-0.00609	0.03321	-0.04157	-0.00194	0.01058	-0.01324	0.00095	0.00056	-0.00215
8502	1887.70	124.0	3.51	0.65	0.0437	-0.0025	43.24	1.688	15.399	3.1394	-0.00887	0.03017	-0.04235	-0.00283	0.00961	-0.01349	0.00007	-0.00041	-0.00240
8503	1888.13	123.7	3.51	0.66	0.0468	-0.0008	43.36	1.689	15.514	3.1407	-0.00816	0.03009	-0.04401	-0.00260	0.00958	-0.01401	0.00030	-0.00044	-0.00292
8504	1888.13	123.9	3.51	0.66	0.0454	0.0012	43.49	1.689	15.642	3.1403	-0.00892	0.03100	-0.03810	-0.00284	0.00987	-0.01213	0.00005	-0.00015	-0.00104
8505	1888.27	124.1	3.51	0.65	0.0451	0.0029	43.61	1.689	15.769	3.1400	-0.00788	0.02977	-0.03424	-0.00251	0.00948	-0.01090	0.00038	-0.00053	0.00018
8506	1887.70	124.2	3.51	0.66	0.0475	-0.0005	43.73	1.689	15.883	3.1401	-0.00911	0.03010	-0.03414	-0.00290	0.00959	-0.01087	-0.00001	-0.00043	0.00022
8507	1887.98	124.3	3.51	0.67	0.0461	0.0016	43.86	1.689	16.007	3.1404	-0.00901	0.03066	-0.03267	-0.00287	0.00976	-0.01040	0.00002	-0.00025	0.00068
8508	1887.98	124.2	3.51	0.65	0.0424	0.0032	43.99	1.688	16.148	3.1393	-0.00953	0.03061	-0.03038	-0.00303	0.00975	-0.00968	-0.00014	-0.00026	0.00141
8509	1887.70	124.0	3.51	0.66	0.0420	0.0040	44.11	1.689	16.267	3.1390	-0.00990	0.03127	-0.03050	-0.00315	0.00996	-0.00972	-0.00026	-0.00005	0.00137
8510	1887.98	124.1	3.51	0.66	0.0444	0.0034	44.24	1.689	16.384	3.1398	-0.00985	0.03101	-0.03183	-0.00314	0.00988	-0.01014	-0.00024	-0.00014	0.00095
8511	1887.84	124.2	3.51	0.65	0.0434	0.0029	44.36	1.689	16.520	3.1397	-0.00937	0.03104	-0.03267	-0.00298	0.00989	-0.01041	-0.00009	-0.00013	0.00068
8512	1887.70	124.2	3.51	0.65	0.0413	0.0027	44.49	1.688	16.653	3.1391	-0.00882	0.03066	-0.03252	-0.00281	0.00977	-0.01036	0.00008	-0.00025	0.00073
8513	1887.98	124.0	3.51	0.66	0.0448	0.0018	44.61	1.689	16.764	3.1395	-0.00889	0.03062	-0.03279	-0.00283	0.00975	-0.01044	0.00006	-0.00026	0.00064
8514	1888.13	124.0	3.51	0.66	0.0451	0.0010	44.73	1.689	16.890	3.1385	-0.00741	0.03333	-0.03129	-0.00236	0.01062	-0.00997	0.00053	0.00060	0.00112
8515	1888.13	124.2	3.51	0.66	0.0448	-0.0020	44.86	1.689	17.012	3.1396	-0.00957	0.03113	-0.03247	-0.00305	0.00992	-0.01034	-0.00016	-0.00010	0.00075
8516	1887.84	124.1	3.51	0.66	0.0444	0.0044	44.99	1.689	17.135	3.1387	-0.00816	0.03345	-0.03441	-0.00260	0.01066	-0.01096	0.00029	0.00064	0.00013
8517	1887.98	124.3	3.51	0.66	0.0444	0.0006	45.11	1.689	17.261	3.1383	-0.00808	0.03212	-0.03286	-0.00258	0.01024	-0.01047	0.00032	0.00022	0.00062
8518	1887.84	124.3	3.51	0.66	0.0451	0.0020	45.24	1.689	17.384	3.1390	-0.00972	0.03172	-0.03402	-0.00310	0.01010	-0.01084	-0.00020	0.00009	0.00025
8519	1888.13	124.4	3.51	0.66	0.0417	0.0029	45.36	1.689	17.516	3.1402	-0.00970	0.03020	-0.03623	-0.00309	0.00962	-0.01154	-0.00020	-0.00040	-0.00045
8520	1888.13	124.7	3.50	0.67	0.0448	0.0008	45.49	1.690	17.630	3.1398	-0.00904	0.03098	-0.03441	-0.00288	0.00987	-0.01096	0.00001	-0.00015	0.00013
8521	1887.84	124.8	3.50	0.67	0.0472	0.0031	45.61	1.690	17.757	3.1378	-0.00917	0.03307	-0.03288	-0.00292	0.01054	-0.01048	-0.00003	0.00052	0.00061
8522	1887.98	125.0	3.50	0.66	0.0413	0.0083	45.74	1.689	17.889	3.1392	-0.00851	0.03229	-0.03310	-0.00271	0.01029	-0.01054	0.00018	0.00027	0.00054
8523	1887.55	125.0	3.50	0.66	0.0434	0.0019	45.86	1.689	18.013	3.1395	-0.00910	0.03073	-0.03347	-0.00290	0.00979	-0.01066	-0.00001	-0.00023	0.00043
8524	1887.70	125.0	3.50	0.66	0.0417	0.0075	45.99	1.689	18.141	3.1383	-0.00821	0.03138	-0.03389	-0.00262	0.01000	-0.01080	0.00028	-0.00002	0.00029

Table A9. Run 139.

Run = 139

M = 1.60

xsppos = 39.853

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8525	1887.84	124.2	3.51	0.65	0.0465	0.0008	12.98	1.189	-6.619	3.1393	0.00308	-0.02223	-0.03542	0.00098	-0.00708	-0.01128	0.00029	-0.00026	-0.00001
8526	1888.13	124.1	3.51	0.65	0.0451	0.0010	12.98	1.189	-6.617	3.1395	0.00234	-0.02138	-0.03601	0.00075	-0.00681	-0.01147	0.00005	0.00001	-0.00020
8527	1887.98	124.1	3.51	0.65	0.0434	0.0038	12.98	1.188	-6.614	3.1386	0.00168	-0.02106	-0.03554	0.00054	-0.00671	-0.01132	-0.00016	0.00011	-0.00005
8528	1887.41	124.2	3.51	0.65	0.0437	0.0040	12.98	1.188	-6.615	3.1383	0.00155	-0.02090	-0.03500	0.00049	-0.00666	-0.01115	-0.00020	0.00016	0.00012
8529	1888.42	124.1	3.51	0.66	0.0489	-0.0025	12.98	1.189	-6.624	3.1402	0.00223	-0.02146	-0.03493	0.00071	-0.00683	-0.01112	0.00002	-0.00001	0.00015
8530	1888.70	124.0	3.51	0.66	0.0476	-0.0695	12.99	0.488	4.954	3.1398	0.02484	0.01150	-0.01263	0.00791	0.00366	-0.00402	0.00722	0.01048	0.00725
8531	1887.12	124.0	3.51	0.66	0.0476	-0.0668	13.12	0.488	5.074	3.1383	0.02222	0.01298	-0.01560	0.00708	0.00414	-0.00497	0.00639	0.01096	0.00630
8532	1888.27	123.4	3.51	0.67	0.0469	-0.0699	13.12	0.488	5.071	3.1394	0.02195	0.01313	-0.01379	0.00699	0.00418	-0.00439	0.00630	0.01100	0.00688
8533	1887.84	123.8	3.51	0.67	0.0497	-0.0693	13.24	0.488	5.192	3.1382	0.01987	0.01401	-0.01546	0.00633	0.00447	-0.00493	0.00564	0.01128	0.00634
8534	1887.98	123.7	3.51	0.66	0.0452	-0.0606	13.37	0.488	5.328	3.1402	0.01728	0.00959	-0.01824	0.00550	0.00305	-0.00581	0.00481	0.00987	0.00546
8535	1888.13	123.6	3.51	0.65	0.0424	-0.0518	13.49	0.487	5.461	3.1396	0.02353	0.00641	-0.01848	0.00750	0.00204	-0.00589	0.00680	0.00886	0.00539
8536	1887.55	123.5	3.51	0.67	0.0466	-0.0533	13.62	0.488	5.571	3.1370	0.02826	0.00873	-0.01758	0.00901	0.00278	-0.00560	0.00831	0.00960	0.00567
8537	1888.42	123.4	3.51	0.67	0.0410	-0.0442	13.74	0.488	5.703	3.1395	0.03322	0.00881	-0.01987	0.01058	0.00281	-0.00633	0.00989	0.00963	0.00494
8538	1887.98	123.5	3.51	0.66	0.0452	-0.0503	13.87	0.488	5.828	3.1391	0.03561	0.00875	-0.01995	0.01134	0.00279	-0.00636	0.01065	0.00961	0.00491
8539	1887.84	123.5	3.51	0.65	0.0428	-0.0386	13.99	0.487	5.962	3.1393	0.03460	0.00498	-0.01972	0.01102	0.00159	-0.00628	0.01033	0.00840	0.00499
8540	1887.55	123.6	3.51	0.66	0.0414	-0.0319	14.12	0.487	6.085	3.1386	0.03085	0.00511	-0.01979	0.00983	0.00163	-0.00631	0.00914	0.00845	0.00496
8541	1887.98	123.6	3.51	0.65	0.0362	-0.0207	14.24	0.486	6.220	3.1395	0.02749	0.01197	-0.02055	0.00876	0.00381	-0.00655	0.00806	0.01063	0.00473
8542	1888.13	123.7	3.51	0.65	0.0403	-0.0221	14.36	0.487	6.341	3.1396	0.02823	0.01704	-0.02019	0.00899	0.00543	-0.00643	0.00830	0.01225	0.00484
8543	1887.98	123.8	3.51	0.66	0.0386	-0.0212	14.49	0.487	6.462	3.1392	0.02741	0.01706	-0.01880	0.00873	0.00543	-0.00599	0.00804	0.01225	0.00528
8544	1887.98	123.7	3.51	0.65	0.0334	-0.0035	14.62	0.486	6.598	3.1397	0.02902	0.01724	-0.01770	0.00924	0.00549	-0.00564	0.00855	0.01231	0.00563
8545	1888.13	123.8	3.51	0.66	0.0376	-0.0041	14.74	0.487	6.712	3.1398	0.03401	0.01913	-0.02028	0.01083	0.00609	-0.00646	0.01014	0.01291	0.00481
8546	1887.98	123.8	3.51	0.66	0.0382	-0.0056	14.87	0.487	6.837	3.1389	0.03487	0.02082	-0.01603	0.01111	0.00663	-0.00511	0.01042	0.01345	0.00616
8547	1887.98	123.9	3.51	0.66	0.0355	0.0023	14.99	0.487	6.964	3.1390	0.03333	0.02426	-0.01304	0.01062	0.00773	-0.00415	0.00992	0.01455	0.00712
8548	1887.98	123.9	3.51	0.66	0.0393	0.0006	15.11	0.487	7.084	3.1385	0.03925	0.03002	-0.01416	0.01250	0.00957	-0.00451	0.01181	0.01638	0.00676
8549	1888.13	123.8	3.51	0.66	0.0358	0.0099	15.24	0.487	7.211	3.1395	0.04217	0.02711	-0.01461	0.01343	0.00863	-0.00465	0.01274	0.01545	0.00662
8550	1887.70	123.6	3.51	0.66	0.0386	0.0030	15.37	0.487	7.335	3.1389	0.04122	0.02743	-0.01639	0.01313	0.00874	-0.00522	0.01244	0.01556	0.00605
8551	1887.98	123.5	3.51	0.66	0.0396	0.0064	15.49	0.487	7.459	3.1404	0.04008	0.02806	-0.01764	0.01276	0.00893	-0.00562	0.01207	0.01575	0.00565
8552	1888.13	123.5	3.51	0.66	0.0389	0.0116	15.62	0.487	7.588	3.1402	0.04189	0.03152	-0.01572	0.01334	0.01004	-0.00501	0.01265	0.01686	0.00626
8553	1887.84	123.5	3.51	0.66	0.0358	0.0174	15.74	0.487	7.712	3.1389	0.04211	0.03246	-0.01473	0.01342	0.01034	-0.00469	0.01272	0.01716	0.00658
8554	1887.98	123.5	3.51	0.66	0.0396	0.0139	15.87	0.487	7.836	3.1387	0.04364	0.03271	-0.01621	0.01390	0.01042	-0.00517	0.01321	0.01724	0.00611
8555	1887.98	123.6	3.51	0.66	0.0392	0.0155	15.99	0.487	7.960	3.1402	0.04116	0.02386	-0.01032	0.01311	0.00760	-0.00329	0.01241	0.01442	0.00799
8556	1887.84	123.8	3.51	0.66	0.0368	0.0226	16.11	0.487	8.087	3.1391	0.04246	0.01591	-0.00440	0.01353	0.00507	-0.00140	0.01283	0.01189	0.00987
8557	1887.98	123.7	3.51	0.66	0.0375	0.0230	16.24	0.487	8.207	3.1396	0.04153	0.01142	-0.00286	0.01323	0.00364	-0.00091	0.01254	0.01046	0.01036
8558	1887.98	123.6	3.51	0.66	0.0358	0.0248	16.37	0.487	8.339	3.1390	0.04562	0.00778	-0.00576	0.01453	0.00248	-0.00184	0.01384	0.00930	0.00944
8559	1887.98	123.6	3.51	0.66	0.0396	0.0213	16.49	0.487	8.459	3.1400	0.04651	0.00837	-0.00634	0.01481	0.00266	-0.00202	0.01412	0.00948	0.00925
8560	1887.70	123.5	3.51	0.65	0.0341	0.0267	16.62	0.486	8.595	3.1389	0.04084	0.00446	-0.00281	0.01301	0.00142	-0.00090	0.01232	0.00824	0.01037
8561	1888.27	123.4	3.51	0.66	0.0403	0.0217	16.74	0.487	8.705	3.1392	0.04044	0.00081	-0.00605	0.01288	0.00026	-0.00193	0.01219	0.00708	0.00935
8562	1887.98	123.4	3.51	0.66	0.0396	0.0176	16.86	0.487	8.832	3.1387	0.03274	-0.01319	-0.00878	0.01043	-0.00420	-0.00280	0.00974	0.00262	0.00847
8563	1887.98	123.4	3.51	0.66	0.0392	0.0146	16.99	0.487	8.957	3.1389	0.02489	-0.02875	-0.00768	0.00793	-0.00916	-0.00245	0.00724	-0.00234	0.00883
8564	1887.98	123.4	3.51	0.67	0.0386	0.0086	17.12	0.488	9.077	3.1392	0.01705	-0.05464	-0.00389	0.00543	-0.01741	-0.00124	0.00474	-0.01059	0.01003
8565	1888.13	123.5	3.51	0.67	0.0389	0.0097	17.24	0.488	9.197	3.1390	0.01037	-0.06354	-0.00307	0.00330	-0.02024	-0.00098	0.00261	-0.01342	0.01029
8566	1887.70	123.5	3.51	0.67	0.0424	0.0014	17.36	0.488	9.325	3.1388	0.00435	-0.06722	0.00266	0.00139	-0.02142	0.00085	0.00069	-0.01460	0.01212
8567	1887.84	123.6	3.51	0.66	0.0430	-0.0001	17.49	0.487	9.457	3.1390	-0.00885	-0.06981	0.00447	-0.00282	-0.02224	0.00143	-0.00351	-0.01542	0.01270
8568	1887.98	123.6	3.51	0.67	0.0393	0.0043	17.61	0.488	9.576	3.1383	-0.01745	-0.04560	0.00379	-0.00556	-0.01453	0.00121	-0.00625	-0.00771	0.01248
8569	1887.98	123.7	3.51	0.66	0.0406	0.0042	17.74	0.487	9.702	3.1383	-0.02124	-0.03400	-0.00037	-0.00677	-0.01083	-0.00012	-0.00746	-0.00401	0.01115
8570	1888.27	123.8	3.51	0.68	0.0437	-0.0016	17.87	0.488	9.818	3.1393	-0.02943	-0.03133	-0.00346	-0.00937	-0.00998	-0.01110	-0.01007	-0.00316	0.01017
8571	1887.70	123.9	3.51	0.67	0.0403	0.0049	17.99	0.488	9.952	3.1381	-0.03876	-0.03350	-0.00359	-0.01235	-0.01067	-0.00114	-0.01304	-0.00386	0.01013
8572	1888.42	123.9	3.51	0.67	0.0410	0.0062	18.11	0.488	10.070	3.1393	-0.04824	-0.03983	-0.00202	-0.01537	-0.01269	-0.00064	-0.01606	-0.00587	0.01063
8573	1887.70	124.1	3.51	0.67	0.0406	0.0070	18.24	0.488	10.203	3.1376	-0.05603	-0.04765	-0.00293	-0.01786	-0.01519	-0.00094	-0.01855	-0.00837	0.01034
8574	1888.13	124.1	3.51	0.67	0.0399	0.0038	18.37	0.487	10.330	3.1386	-0.05292	-0.05605	-0.00346	-0.01686	-0.01786	-0.00110	-0.01756	-0.01104	0.01017
8575	1887.98	124.2	3.51	0.66	0.0437	-0.0035	18.49	0.488	10.452	3.1380	-0.03684	-0.06149	-0.00595	-0.01174	-0.01960	-0.00190	-0.01243	-0.01278	0.00938
8576	1888.13	124.0	3.51	0.67	0.0424	0.0004	18.62	0.488	10.576	3.1388	-0.02879	-0.06533	-0.00793	-0.00917	-0.02082	-0.00253	-0.00987	-0.01400	0.00874
8577	1888.42	123.8	3.51	0.66	0.0406	0.0060	18.74	0.487	10.706	3.1388	-0.02798	-0.05866	-0.01138	-0.00891	-0.01869	-0.00363	-0.00961	-0.01187	0.00764
8578	1888.27	123.9	3.51	0.66	0														

Table A9. Continued.

Run = 139

M = 1.60

xsppos = 39.852

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8598	1888.56	123.9	3.51	0.66	0.0471	0.0022	21.37	0.488	13.328	3.1396	-0.00078	-0.03983	-0.04149	-0.00025	-0.01269	-0.01322	-0.00094	-0.00587	-0.00195
8599	1887.70	124.0	3.51	0.66	0.0444	0.0025	21.49	0.487	13.455	3.1377	-0.00499	-0.03944	-0.04218	-0.00159	-0.01257	-0.01344	-0.00228	-0.00575	-0.00217
8600	1888.13	124.0	3.51	0.66	0.0465	0.0027	21.62	0.488	13.579	3.1385	-0.00932	-0.03932	-0.04791	-0.00297	-0.01253	-0.01527	-0.00366	-0.00571	-0.00400
8601	1887.84	124.0	3.51	0.66	0.0454	0.0012	21.74	0.487	13.706	3.1383	-0.01297	-0.02969	-0.05263	-0.00413	-0.00946	-0.01677	-0.00483	-0.00264	-0.00550
8602	1888.13	124.1	3.51	0.65	0.0437	0.0059	21.86	0.487	13.835	3.1394	-0.01456	-0.02057	-0.05043	-0.00464	-0.00655	-0.01606	-0.00533	0.00027	-0.00479
8603	1888.42	124.0	3.51	0.66	0.0458	0.0042	21.99	0.487	13.952	3.1393	-0.01542	-0.01713	-0.04525	-0.00491	-0.00546	-0.01441	-0.00561	0.00136	-0.00314
8604	1888.27	124.0	3.51	0.65	0.0451	0.0029	22.11	0.487	14.082	3.1376	-0.01448	-0.01892	-0.02996	-0.00461	-0.00603	-0.00955	-0.00531	0.00079	0.00172
8605	1887.70	124.0	3.51	0.65	0.0437	0.0040	22.24	0.487	14.211	3.1376	-0.01417	-0.02649	-0.03011	-0.00452	-0.00844	-0.00960	-0.00521	-0.00162	0.00167
8606	1887.98	124.1	3.51	0.66	0.0444	0.0025	22.36	0.487	14.331	3.1372	-0.00932	-0.03276	-0.03056	-0.00297	-0.01044	-0.00974	-0.00366	-0.00362	0.00153
8607	1888.13	124.0	3.51	0.66	0.0451	0.0029	22.49	0.487	14.454	3.1386	0.00650	-0.03853	-0.03436	0.00207	-0.01228	-0.01095	0.00138	-0.00546	0.00032
8608	1887.84	123.9	3.51	0.66	0.0478	-0.0012	22.62	0.487	14.578	3.1373	0.01265	-0.03867	-0.03415	0.00403	-0.01233	-0.01088	0.00334	-0.00551	0.00039
8609	1888.13	123.9	3.51	0.65	0.0458	0.0033	22.74	0.487	14.706	3.1383	0.00935	-0.02656	-0.03462	0.00298	-0.00846	-0.01103	0.00228	-0.00164	0.00024
8610	1887.84	123.9	3.51	0.66	0.0465	0.0027	22.87	0.487	14.829	3.1382	0.00167	-0.01855	-0.03791	0.00053	-0.00591	-0.01208	-0.00016	0.00091	-0.00081
8611	1887.26	124.2	3.51	0.66	0.0448	0.0018	22.99	0.487	14.955	3.1365	-0.00657	-0.01232	-0.03848	-0.00209	-0.00393	-0.01227	-0.00279	0.00289	-0.00100
8612	1888.13	124.1	3.51	0.66	0.0475	-0.0005	23.12	0.488	15.079	3.1390	-0.01721	-0.01241	-0.04036	-0.00548	-0.00396	-0.01286	-0.00618	0.00286	-0.00159
8613	1888.13	124.0	3.51	0.65	0.0451	-0.0027	23.24	0.487	15.210	3.1389	-0.00287	-0.01091	-0.04270	-0.00729	-0.00348	-0.01360	-0.00798	0.00334	-0.00233
8614	1887.84	124.0	3.51	0.66	0.0496	-0.0049	23.37	0.488	15.327	3.1382	-0.01703	-0.01101	-0.04514	-0.00543	-0.00351	-0.01438	-0.00612	0.00331	-0.00311
8615	1888.27	123.8	3.51	0.66	0.0451	0.0010	23.49	0.487	15.457	3.1389	0.00683	-0.01238	-0.04620	0.00218	-0.00394	-0.01472	0.00148	0.00288	-0.00345
8616	1887.70	123.8	3.51	0.67	0.0482	-0.0122	23.61	0.488	15.567	3.1371	0.01340	-0.01363	-0.04218	0.00427	-0.00434	-0.01345	0.00358	0.00247	-0.00218
8617	1887.84	123.8	3.51	0.65	0.0448	-0.0020	23.74	0.487	15.712	3.1380	0.01334	-0.01493	-0.04321	0.00425	-0.00476	-0.01377	0.00356	0.00206	-0.00250
8618	1888.27	123.6	3.51	0.66	0.0448	-0.0057	23.87	0.487	15.831	3.1386	0.01094	-0.01689	-0.04806	0.00348	-0.00538	-0.01531	0.00279	0.00144	-0.00404
8619	1888.27	123.5	3.51	0.67	0.0458	-0.0042	23.99	0.488	15.947	3.1383	0.01215	-0.01846	-0.05227	0.00387	-0.00588	-0.01666	0.00318	0.00094	-0.00538
8620	1887.98	123.8	3.51	0.66	0.0465	-0.0048	24.11	0.487	16.079	3.1371	0.01014	-0.01579	-0.05524	0.00323	-0.00503	-0.01761	0.00254	0.00179	-0.00634
8621	1888.27	123.9	3.51	0.66	0.0468	-0.0018	24.24	0.488	16.202	3.1395	0.00770	-0.01896	-0.06033	0.00245	-0.00604	-0.01922	0.00176	0.00078	-0.00794
8622	1887.84	124.1	3.51	0.66	0.0458	-0.0042	24.36	0.488	16.322	3.1382	0.00849	-0.01838	-0.05640	0.00270	-0.00586	-0.01797	0.00201	0.00096	-0.00670
8623	1887.55	124.1	3.51	0.65	0.0458	-0.0033	24.49	0.487	16.457	3.1373	0.00741	-0.01888	-0.05947	0.00236	-0.00602	-0.01896	0.00167	0.00080	-0.00768
8624	1888.42	123.9	3.51	0.66	0.0472	-0.0044	24.61	0.488	16.574	3.1375	0.00762	-0.01725	-0.05514	0.00243	-0.00550	-0.01757	0.00174	0.00132	-0.00630
8625	1888.13	123.7	3.51	0.66	0.0475	-0.0051	24.74	0.487	16.704	3.1384	0.00582	-0.01735	-0.03265	0.00185	-0.00553	-0.01040	0.00116	0.00129	0.00087
8626	1887.98	123.8	3.51	0.66	0.0424	-0.0024	24.87	0.487	16.835	3.1384	0.00423	-0.01808	-0.01973	0.00135	-0.00576	-0.00629	0.00065	0.00106	0.00498
8627	1887.98	123.9	3.51	0.65	0.0413	0.0036	24.99	0.487	16.963	3.1374	0.00611	-0.01643	-0.02145	0.00195	-0.00524	-0.00684	0.00125	0.00158	0.00444
8628	1888.27	123.8	3.51	0.66	0.0489	-0.0016	25.11	0.488	17.071	3.1385	0.00601	-0.01717	-0.02950	0.00191	-0.00547	-0.00940	0.00122	0.00135	0.00187
8629	1887.84	123.9	3.51	0.65	0.0458	-0.0014	25.24	0.487	17.209	3.1377	0.00647	-0.01801	-0.03899	0.00206	-0.00574	-0.01243	0.00137	0.00108	-0.00116
8630	1887.84	123.8	3.51	0.65	0.0434	0.0047	25.37	0.487	17.337	3.1375	0.00556	-0.01723	-0.05041	0.00177	-0.00549	-0.01607	0.00108	0.00133	-0.00480
8631	1888.13	123.8	3.51	0.65	0.0444	-0.0031	25.49	0.487	17.463	3.1387	0.00455	-0.01833	-0.05556	0.00145	-0.00584	-0.01770	0.00076	0.00098	-0.00643
8632	1887.84	123.9	3.51	0.65	0.0417	0.0038	25.61	0.487	17.589	3.1383	0.00576	-0.01910	-0.05243	0.00183	-0.00609	-0.01671	0.00114	0.00073	-0.00544
8633	1888.13	123.9	3.51	0.66	0.0454	-0.0016	25.74	0.487	17.703	3.1387	0.00769	-0.01803	-0.03689	0.00245	-0.00574	-0.01175	0.00176	0.00107	-0.00048
8634	1888.27	124.0	3.51	0.65	0.0434	0.0010	25.86	0.487	17.835	3.1380	0.00773	-0.01707	-0.02311	0.00246	-0.00544	-0.00737	0.00177	0.00138	0.00391
8635	1887.84	124.1	3.51	0.66	0.0468	-0.0055	25.99	0.488	17.953	3.1371	0.00763	-0.01695	-0.02307	0.00243	-0.00540	-0.00735	0.00174	0.00141	0.00392
8636	1887.70	124.0	3.51	0.65	0.0420	0.0021	26.12	0.487	18.090	3.1373	0.00587	-0.01888	-0.02484	0.00187	-0.00602	-0.00792	0.00118	0.00080	0.00335
8637	1887.98	123.8	3.51	0.65	0.0448	-0.0057	26.24	0.487	18.210	3.1395	0.00496	-0.01811	-0.02892	0.00158	-0.00577	-0.00921	0.00089	0.00105	0.00206
8638	1888.13	123.8	3.51	0.65	0.0413	0.0017	26.37	0.487	18.341	3.1385	0.00551	-0.01694	-0.03001	0.00175	-0.00540	-0.00956	0.00106	0.00142	0.00171
8639	1887.84	123.8	3.51	0.65	0.0451	-0.0055	26.49	0.487	18.462	3.1377	0.00653	-0.01779	-0.03208	0.00208	-0.00567	-0.01022	0.00139	0.00115	0.00105
8640	1887.98	124.1	3.51	0.65	0.0434	-0.0027	26.62	0.487	18.588	3.1378	0.00584	-0.01671	-0.03154	0.00186	-0.00533	-0.01005	0.00117	0.00149	0.00122
8641	1888.13	124.0	3.51	0.64	0.0410	0.0006	26.74	0.487	18.722	3.1389	0.00536	-0.01783	-0.03302	0.00171	-0.00568	-0.01052	0.00102	0.00114	0.00075
8642	1887.98	124.0	3.51	0.65	0.0413	-0.0029	26.87	0.487	18.840	3.1386	0.00560	-0.01663	-0.03486	0.00179	-0.00530	-0.01111	0.00109	0.00152	0.00016
8643	1887.98	124.0	3.51	0.64	0.0376	-0.0022	26.99	0.486	18.974	3.1384	0.00497	-0.01571	-0.03601	0.00158	-0.00500	-0.01147	0.00089	0.00181	-0.00200
8644	1888.13	123.9	3.51	0.64	0.0358	0.0043	27.12	0.486	19.104	3.1385	0.00596	-0.01563	-0.03575	0.00190	-0.00498	-0.01139	0.00120	0.00184	-0.00012
8645	1888.13	124.0	3.51	0.64	0.0345	0.0017	27.24	0.486	19.230	3.1377	0.00711	-0.01311	-0.03641	0.00226	-0.00418	-0.01160	0.00157	0.00264	-0.00033
8646	1888.27	124.1	3.51	0.64	0.0334	0.0058	27.36	0.486	19.354	3.1386	0.00518	-0.01240	-0.03617	0.00165	-0.00395	-0.01152	0.00096	0.00287	-0.00025
8647	1888.13	124.1	3.51	0.64	0.0372	0.0013	27.49	0.486	19.474	3.1384	0.00650	-0.01166	-0.03543	0.00207	-0.00372	-0.01129	0.00138	0.00310	-0.00002
8648	1887.98	123.9	3.51	0.64	0.0362	0.0008	27.62	0.486	19.602	3.1373	0.00813	-0.01265	-0.03367	0.00259	-0.00403	-0.01073	0.00190	0.00279	0.00054
8649	1888.13	123.9	3.51	0.64	0.0365	-0.0028	27.74	0.486	19.729	3.1389	0.00661	-0.01455	-0.03483	0.00211	-0.00463	-0.01110	0.00141	0.00218	0.00018
8650	1887.98	123.9	3.51	0.64	0.0345	0.0054	27.86	0.486	19.854	3.1387	0.00978	-0.01681	-0.03503	0.00312	-0.00536	-0.01116	0.00242	0.00146	0.00011
8651																			

Table A9. Continued.

Run = 139

M = 1.60

xsppos = 39.852

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8671	1887.70	123.9	3.51	0.65	0.0420	0.0040	30.49	0.487	22.465	3.1390	0.00243	-0.00827	-0.03092	0.00077	-0.00263	-0.00985	0.00008	0.00419	0.00142
8672	1887.84	123.9	3.51	0.65	0.0424	0.0032	30.62	0.487	22.589	3.1389	0.00453	-0.00478	-0.03291	0.00144	-0.00152	-0.01049	0.00075	0.00529	0.00078
8673	1888.13	123.9	3.51	0.64	0.0389	0.0097	30.74	0.486	22.722	3.1392	0.00832	-0.00204	-0.03444	0.00265	-0.00065	-0.01097	0.00196	0.00617	0.00030
8674	1887.98	123.9	3.51	0.65	0.0430	0.0018	30.86	0.487	22.841	3.1387	0.00970	0.00141	-0.03349	0.00309	0.00045	-0.01067	0.00240	0.00727	0.00060
8675	1887.98	123.8	3.51	0.65	0.0410	0.0062	30.99	0.487	22.969	3.1383	0.01177	0.00484	-0.03457	0.00375	0.00154	-0.01102	0.00306	0.00836	0.00025
8676	1887.98	123.9	3.51	0.65	0.0448	0.0008	31.11	0.487	23.085	3.1391	0.01522	0.00585	-0.03607	0.00485	0.00186	-0.01149	0.00415	0.00868	-0.00022
8677	1888.13	124.0	3.51	0.64	0.0417	0.0057	31.24	0.487	23.219	3.1388	0.01831	0.01229	-0.03405	0.00583	0.00392	-0.01085	0.00514	0.01074	0.00042
8678	1888.13	124.0	3.51	0.65	0.0420	0.0059	31.36	0.487	23.339	3.1381	0.02344	0.01895	-0.03388	0.00747	0.00604	-0.01080	0.00678	0.01286	0.00048
8679	1887.70	124.0	3.51	0.64	0.0376	0.0062	31.49	0.486	23.476	3.1386	0.02684	0.02723	-0.03260	0.00855	0.00868	-0.01039	0.00786	0.01550	0.00088
8680	1887.98	123.8	3.51	0.64	0.0399	0.0066	31.62	0.486	23.595	3.1392	0.03119	0.03492	-0.03221	0.00993	0.01112	-0.01026	0.00924	0.01794	0.00101
8681	1887.98	123.9	3.51	0.65	0.0430	-0.0020	31.74	0.487	23.714	3.1385	0.03760	0.04076	-0.03216	0.01198	0.01299	-0.01025	0.01129	0.01981	0.00102
8682	1887.84	123.9	3.51	0.65	0.0434	-0.0009	31.87	0.487	23.840	3.1383	0.04367	0.04505	-0.03319	0.01392	0.01435	-0.01058	0.01322	0.02117	0.00069
8683	1888.13	123.9	3.51	0.64	0.0410	-0.0012	31.99	0.486	23.969	3.1385	0.05030	0.04512	-0.03264	0.01603	0.01533	-0.01040	0.01533	0.02215	0.00087
8684	1887.70	123.9	3.51	0.64	0.0396	0.0017	32.12	0.486	24.102	3.1387	0.05768	0.04839	-0.03495	0.01838	0.01542	-0.01114	0.01768	0.02224	0.00013
8685	1887.98	123.9	3.51	0.64	0.0413	0.0008	32.24	0.487	24.217	3.1394	0.06211	0.04984	-0.03537	0.01979	0.01588	-0.01127	0.01909	0.02270	0.00000
8686	1888.13	124.0	3.51	0.64	0.0406	0.0051	32.36	0.486	24.343	3.1396	0.06598	0.05156	-0.03384	0.02102	0.01642	-0.01078	0.02032	0.02324	0.00049
8687	1887.84	124.0	3.51	0.64	0.0410	-0.0012	32.49	0.486	24.469	3.1386	0.06904	0.05808	-0.03062	0.02200	0.01850	-0.00976	0.02130	0.02532	0.00151
8688	1888.13	123.9	3.51	0.63	0.0351	0.0077	32.61	0.486	24.606	3.1392	0.07220	0.06009	-0.02816	0.02300	0.01914	-0.00897	0.02231	0.02596	0.00030
8689	1888.27	123.9	3.51	0.64	0.0365	0.0075	32.74	0.486	24.727	3.1398	0.07343	0.05992	-0.02591	0.02339	0.01908	-0.00825	0.02269	0.02590	0.00302
8690	1887.55	123.9	3.51	0.64	0.0369	0.0021	32.87	0.486	24.852	3.1381	0.07773	0.06049	-0.02437	0.02477	0.01927	-0.00777	0.02408	0.02609	0.00350
8691	1887.70	123.7	3.51	0.64	0.0365	0.0028	32.99	0.486	24.980	3.1380	0.08164	0.05794	-0.01929	0.02602	0.01847	-0.00615	0.02532	0.02528	0.00512
8692	1887.84	123.7	3.51	0.64	0.0372	0.0004	33.12	0.486	25.105	3.1388	0.08469	0.05524	-0.01682	0.02698	0.01760	-0.00536	0.02629	0.02442	0.00591
8693	1888.42	123.7	3.51	0.63	0.0358	0.0006	33.24	0.486	25.231	3.1391	0.08656	0.04758	-0.01188	0.02758	0.01516	-0.00379	0.02688	0.02198	0.00749
8694	1888.27	124.0	3.51	0.64	0.0369	-0.0007	33.36	0.486	25.354	3.1393	0.08315	0.04067	-0.01011	0.02649	0.01295	-0.00322	0.02579	0.01977	0.00805
8695	1888.13	124.0	3.51	0.64	0.0345	0.0054	33.49	0.486	25.481	3.1386	0.08022	0.03405	-0.00535	0.02556	0.01085	-0.00171	0.02487	0.01767	0.00957
8696	1887.84	124.1	3.51	0.64	0.0362	0.0017	33.61	0.486	25.606	3.1378	0.07311	0.03027	0.00222	0.02330	0.00965	0.00071	0.02260	0.01647	0.01198
8697	1887.70	124.1	3.51	0.64	0.0362	0.0045	33.74	0.486	25.730	3.1386	0.06947	0.02683	0.00633	0.02214	0.00855	0.00202	0.02144	0.01537	0.01329
8698	1887.98	124.1	3.51	0.64	0.0369	0.0030	33.87	0.486	25.854	3.1384	0.06214	0.02544	0.01295	0.01980	0.00810	0.00413	0.01911	0.01492	0.01540
8699	1888.27	124.1	3.51	0.64	0.0382	0.0010	33.99	0.486	25.976	3.1397	0.05512	0.02480	0.02160	0.01756	0.00790	0.00688	0.01686	0.01472	0.01815
8700	1887.84	123.9	3.51	0.63	0.0331	0.0093	34.11	0.485	26.113	3.1397	0.04764	0.02519	0.02826	0.01517	0.00802	0.00900	0.01448	0.01484	0.02027
8701	1888.42	123.9	3.51	0.63	0.0341	0.0090	34.24	0.486	26.238	3.1416	0.04350	0.02521	0.03026	0.01385	0.00802	0.00963	0.01315	0.01484	0.02090
8702	1888.13	123.8	3.51	0.63	0.0348	0.0084	34.37	0.486	26.360	3.1411	0.04024	0.02660	0.03422	0.01281	0.00847	0.01089	0.01212	0.01529	0.02216
8703	1888.13	123.9	3.51	0.64	0.0358	0.0090	34.49	0.486	26.481	3.1414	0.03894	0.02458	0.03363	0.01240	0.00782	0.01070	0.01170	0.01464	0.02198
8704	1887.98	123.9	3.51	0.63	0.0348	0.0066	34.61	0.486	26.607	3.1390	0.04292	0.02413	0.03792	0.01367	0.00769	0.01208	0.01298	0.01451	0.02335
8705	1888.42	124.0	3.51	0.63	0.0334	0.0067	34.74	0.485	26.738	3.1384	0.04345	0.02300	0.04124	0.01385	0.00733	0.01314	0.01315	0.01415	0.02441
8706	1887.84	124.1	3.51	0.63	0.0351	0.0058	34.86	0.486	26.856	3.1383	0.04226	0.01841	0.04103	0.01346	0.00587	0.01308	0.01277	0.01268	0.02435
8707	1888.13	124.1	3.51	0.64	0.0351	0.0105	34.99	0.486	26.981	3.1401	0.04021	0.01479	0.04331	0.01280	0.00471	0.01379	0.01211	0.01153	0.02506
8708	1887.98	124.2	3.51	0.64	0.0382	0.0028	35.12	0.486	27.098	3.1407	0.03750	0.01146	0.04069	0.01194	0.00365	0.01295	0.01125	0.01047	0.02423
8709	1887.98	123.9	3.51	0.64	0.0338	0.0079	35.24	0.486	27.230	3.1437	0.03148	0.00529	0.03917	0.01001	0.00168	0.01246	0.00932	0.00850	0.02373
8710	1887.98	123.8	3.51	0.64	0.0358	0.0043	35.37	0.486	27.355	3.1455	0.02763	0.00311	0.03121	0.00878	0.00099	0.00992	0.00809	0.00781	0.02119
8711	1887.70	123.8	3.51	0.64	0.0376	0.0034	35.49	0.486	27.477	3.1453	0.02657	-0.00131	0.02571	0.00845	-0.00042	0.00817	0.00775	0.00640	0.01945
8712	1887.84	124.1	3.51	0.63	0.0345	0.0064	35.61	0.486	27.608	3.1441	0.02513	-0.00114	0.02057	0.00799	-0.00036	0.00654	0.00730	0.00646	0.01781
8713	1888.27	124.1	3.51	0.64	0.0358	0.0025	35.74	0.486	27.729	3.1399	0.02811	0.00423	0.01863	0.00895	0.00135	0.00593	0.00826	0.00816	0.01721
8714	1887.98	124.1	3.51	0.64	0.0351	0.0077	35.87	0.486	27.855	3.1375	0.02835	0.00905	0.01492	0.00904	0.00289	0.00475	0.00834	0.00970	0.01603
8715	1887.70	124.2	3.51	0.63	0.0334	0.0067	35.99	0.486	27.987	3.1367	0.02503	0.01178	0.01038	0.00798	0.00376	0.00331	0.00729	0.01058	0.01458
8716	1887.70	123.9	3.51	0.64	0.0365	0.0000	36.11	0.486	28.099	3.1365	0.02347	0.00810	0.00693	0.00748	0.00258	0.00221	0.00679	0.00940	0.01348
8717	1887.98	123.9	3.51	0.64	0.0379	0.0008	36.24	0.486	28.224	3.1419	0.01873	-0.00328	-0.00071	0.00596	-0.00104	-0.00023	0.00527	0.00577	0.01104
8718	1887.98	123.9	3.51	0.63	0.0341	0.0052	36.36	0.486	28.359	3.1461	0.01543	-0.01535	-0.00837	0.00491	-0.00488	-0.00266	0.00421	0.00194	0.00861
8719	1887.98	123.9	3.51	0.64	0.0365	0.0010	36.49	0.486	28.479	3.1482	0.01777	-0.02318	-0.01291	0.00565	-0.00736	-0.00410	0.00495	-0.00054	0.00717
8720	1887.84	124.0	3.51	0.63	0.0351	0.0067	36.62	0.486	28.608	3.1485	0.01489	-0.03118	-0.01624	0.00473	-0.00990	-0.00516	0.00404	-0.00308	0.00611
8721	1888.27	124.0	3.51	0.64	0.0382	-0.0028	36.74	0.486	28.726	3.1483	0.00858	-0.03304	-0.01490	0.00273	-0.01050	-0.00473	0.00203	-0.00368	0.00654
8722	1887.98	123.9	3.51	0.64	0.0338	0.0069	36.87	0.486	28.859	3.1432	0.00696	-0.03109	-0.01100	0.00221	-0.00989	-0.00350	0.00152	-0.00307	0.00777
8723	1888.13	123.8	3.51	0.64	0.0375	0.0025	36.99	0.486	28.973	3.1425	0.00204	-0.03053	-0.01082	0.00065	-0.00972	-0.00344	-0.00004	-0.00290	0.00783
8724																			

Table A9. Concluded.

Run = 139

M = 1.60

xsppos = 39.852

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8744	1887.70	123.9	3.51	0.64	0.0351	0.0086	39.61	0.486	31.605	3.1485	-0.00334	-0.02502	-0.06248	-0.00106	-0.00795	-0.01984	-0.00175	-0.00113	-0.00857
8745	1887.98	124.0	3.51	0.64	0.0382	0.0056	39.74	0.486	31.725	3.1485	-0.00012	-0.02408	-0.06239	-0.00004	-0.00765	-0.01982	-0.00073	-0.00083	-0.00855
8746	1887.84	124.0	3.51	0.64	0.0345	0.0101	39.87	0.486	31.857	3.1483	-0.00117	-0.02485	-0.06294	-0.00037	-0.00789	-0.01999	-0.00106	-0.00107	-0.00872
8747	1888.13	124.3	3.51	0.64	0.0400	0.0010	39.99	0.486	31.972	3.1494	-0.00235	-0.02874	-0.06276	-0.00075	-0.00912	-0.01993	-0.00144	-0.00231	-0.00866
8748	1888.13	124.2	3.51	0.64	0.0403	-0.0007	40.11	0.486	32.096	3.1495	-0.00587	-0.02593	-0.06329	-0.00186	-0.00823	-0.02010	-0.00256	-0.00142	-0.00882
8749	1888.13	124.1	3.51	0.64	0.0362	0.0073	40.24	0.486	32.228	3.1494	-0.00488	-0.02635	-0.06116	-0.00155	-0.00837	-0.01942	-0.00224	-0.00155	-0.00815
8750	1887.84	124.1	3.51	0.64	0.0375	0.0062	40.36	0.486	32.348	3.1499	-0.00960	-0.02754	-0.05821	-0.00305	-0.00874	-0.01848	-0.00374	-0.00192	-0.00721
8751	1887.98	124.1	3.51	0.64	0.0386	0.0049	40.49	0.486	32.473	3.1520	-0.01160	-0.03006	-0.05708	-0.00368	-0.00954	-0.01811	-0.00437	-0.00272	-0.00684
8752	1888.13	123.9	3.51	0.64	0.0372	0.0023	40.62	0.486	32.603	3.1528	-0.01209	-0.03353	-0.05586	-0.00383	-0.01063	-0.01772	-0.00453	-0.00382	-0.00645
8753	1888.27	123.9	3.51	0.64	0.0369	0.0058	40.74	0.486	32.728	3.1521	-0.01403	-0.03512	-0.05011	-0.00445	-0.01114	-0.01590	-0.00514	-0.00432	-0.00463
8754	1887.84	124.0	3.51	0.64	0.0341	0.0108	40.87	0.486	32.858	3.1510	-0.01310	-0.03697	-0.04641	-0.00416	-0.01173	-0.01473	-0.00485	-0.00491	-0.00346
8755	1888.13	123.9	3.51	0.64	0.0403	0.0040	40.99	0.486	32.969	3.1531	-0.01294	-0.03964	-0.04988	-0.00410	-0.01257	-0.01582	-0.00480	-0.00575	-0.00455
8756	1887.98	123.9	3.51	0.63	0.0358	0.0062	41.12	0.486	33.107	3.1509	-0.01499	-0.03835	-0.05263	-0.00476	-0.01217	-0.01670	-0.00545	-0.00535	-0.00543
8757	1887.98	124.0	3.51	0.64	0.0365	0.0066	41.24	0.486	33.232	3.1510	-0.01914	-0.03365	-0.05440	-0.00607	-0.01068	-0.01726	-0.00677	-0.00386	-0.00599
8758	1887.84	124.1	3.51	0.63	0.0321	0.0125	41.36	0.485	33.362	3.1512	-0.02236	0.04227	-0.05734	-0.00710	0.01341	-0.01819	-0.00779	0.02023	-0.00692
8759	1887.98	124.0	3.51	0.64	0.0372	0.0069	41.49	0.486	33.476	3.1519	-0.02571	0.12262	-0.06170	-0.00816	0.03890	-0.01957	-0.00885	0.04572	-0.00830
8760	1887.70	123.9	3.51	0.64	0.0345	0.0101	41.62	0.486	33.607	3.1533	-0.02947	0.16153	-0.06562	-0.00935	0.05122	-0.02081	-0.01004	0.05804	-0.00954
8761	1888.13	124.1	3.51	0.65	0.0369	0.0077	41.74	0.486	33.723	3.1565	-0.02483	0.15703	-0.07154	-0.00787	0.04975	-0.02266	-0.00856	0.05657	-0.01139
8762	1887.98	124.2	3.51	0.64	0.0375	0.0053	41.86	0.486	33.850	3.1575	0.00832	0.15192	-0.07283	0.00263	0.04811	-0.02307	0.00194	0.05493	-0.01179
8763	1887.98	123.8	3.51	0.64	0.0348	0.0056	41.99	0.486	33.980	3.1570	0.09375	0.14225	-0.07116	0.02970	0.04506	-0.02254	0.02900	0.05188	-0.01127
8764	1887.84	123.7	3.51	0.64	0.0351	0.0086	42.11	0.486	34.107	3.1564	0.16007	0.15793	-0.07353	0.05071	0.05004	-0.02329	0.05002	0.05685	-0.01202
8765	1887.84	123.9	3.51	0.64	0.0348	0.0066	42.24	0.486	34.230	3.1566	0.17252	0.18478	-0.07442	0.05465	0.05854	-0.02358	0.05396	0.06536	-0.01230
8766	1887.70	124.3	3.51	0.64	0.0365	0.0056	42.36	0.486	34.351	3.1555	0.17505	0.18478	-0.07605	0.05547	0.05856	-0.02410	0.05478	0.06538	-0.01283
8767	1887.70	124.1	3.51	0.63	0.0345	0.0092	42.49	0.486	34.483	3.1557	0.17034	0.18478	-0.07522	0.05398	0.05855	-0.02384	0.05329	0.06537	-0.01257
8768	1888.27	124.1	3.51	0.64	0.0362	0.0045	42.62	0.486	34.605	3.1573	0.18366	0.18478	-0.07409	0.05817	0.05852	-0.02347	0.05747	0.06534	-0.01220
8769	1888.27	124.1	3.51	0.64	0.0317	0.0095	42.74	0.486	34.735	3.1605	0.18366	0.18478	-0.07876	0.05811	0.05846	-0.02492	0.05742	0.06528	-0.01365
8770	1887.84	124.2	3.51	0.63	0.0303	0.0153	42.87	0.485	34.866	3.1605	0.18366	0.18478	-0.08159	0.05811	0.05846	-0.02582	0.05742	0.06528	-0.01455
8771	1887.98	124.2	3.51	0.64	0.0324	0.0127	42.99	0.486	34.983	3.1605	0.18366	0.18478	-0.08273	0.05811	0.05846	-0.02618	0.05742	0.06528	-0.01491
8772	1888.27	124.1	3.51	0.64	0.0334	0.0067	43.11	0.486	35.105	3.1618	0.18366	0.18478	-0.08325	0.05809	0.05844	-0.02633	0.05739	0.06526	-0.01506
8773	1887.98	124.0	3.51	0.64	0.0345	0.0092	43.24	0.486	35.231	3.1607	0.18366	0.18478	-0.07357	0.05811	0.05846	-0.02328	0.05741	0.06528	-0.01200
8774	1888.13	124.0	3.51	0.64	0.0351	0.0067	43.37	0.486	35.354	3.1615	0.18366	0.18478	-0.00855	0.05809	0.05845	-0.00270	0.05740	0.06526	0.00857
8775	1888.27	124.0	3.51	0.63	0.0338	0.0088	43.49	0.485	35.484	3.1588	0.18366	0.18478	0.10255	0.05814	0.05850	0.03247	0.05745	0.06532	0.04374
8776	1888.42	124.0	3.51	0.63	0.0348	0.0084	43.62	0.486	35.610	3.1563	0.18366	0.18478	0.17045	0.05819	0.05854	0.05400	0.05749	0.06536	0.06527
8777	1888.13	124.1	3.51	0.63	0.0341	0.0080	43.74	0.486	35.736	3.1544	0.18366	0.18478	0.18328	0.05822	0.05858	0.05810	0.05753	0.06540	0.06937

Table A10. Run 140.

Run = 140

M = 1.60

xsppos = 39.851

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8778	1887.84	124.1	3.51	0.07	0.0265	0.0253	13.04	1.185	-6.504	3.1390	0.00221	-0.02144	-0.03674	0.00070	-0.00683	-0.01170	0.00006	-0.00011	-0.00044
8779	1887.70	124.2	3.51	0.06	0.0224	0.0324	13.04	1.185	-6.492	3.1385	0.00244	-0.02119	-0.03510	0.00078	-0.00675	-0.01119	0.00013	-0.00003	0.00007
8780	1888.13	124.2	3.51	0.06	0.0235	0.0292	13.04	1.185	-6.493	3.1399	0.00138	-0.02189	-0.03654	0.00044	-0.00697	-0.01164	-0.00021	-0.00025	-0.00038
8781	1888.13	124.1	3.51	0.06	0.0235	0.0274	13.04	1.185	-6.497	3.1395	0.00137	-0.02111	-0.03481	0.00043	-0.00672	-0.01109	-0.00021	0.00000	0.00017
8782	1887.98	124.1	3.51	0.07	0.0255	0.0266	13.04	1.185	-6.504	3.1383	0.00275	-0.01988	-0.03352	0.00088	-0.00634	-0.01068	0.00023	0.00039	0.00058
8783	1887.98	124.4	3.51	0.27	0.0311	-0.0422	13.04	0.488	4.995	3.1388	0.02228	0.00670	-0.01270	0.00710	0.00213	-0.00405	0.00645	0.00886	0.00721
8784	1888.13	124.3	3.51	0.27	0.0290	-0.0396	13.12	0.488	5.078	3.1380	0.02529	0.01114	-0.01370	0.00806	0.00355	-0.00437	0.00741	0.01027	0.00689
8785	1888.27	124.3	3.51	0.27	0.0287	-0.0313	13.24	0.488	5.199	3.1399	0.02205	0.01144	-0.01608	0.00702	0.00364	-0.00512	0.00638	0.01037	0.00614
8786	1887.98	124.2	3.51	0.26	0.0249	-0.0250	13.37	0.487	5.337	3.1386	0.01991	0.01255	-0.01714	0.00634	0.00400	-0.00546	0.00570	0.01072	0.00580
8787	1887.98	124.4	3.50	0.26	0.0228	-0.0224	13.36	0.487	5.336	3.1392	0.01774	0.01284	-0.01745	0.00565	0.00409	-0.00556	0.00500	0.01081	0.00570
8788	1888.13	124.4	3.51	0.27	0.0249	-0.0232	13.49	0.488	5.450	3.1383	0.01801	0.01156	-0.01679	0.00574	0.00368	-0.00535	0.00509	0.01041	0.00591
8789	1887.98	124.0	3.51	0.25	0.0242	-0.0226	13.49	0.487	5.465	3.1386	0.01903	0.01128	-0.01730	0.00606	0.00359	-0.00551	0.00542	0.01032	0.00575
8790	1887.98	124.0	3.51	0.26	0.0235	-0.0183	13.49	0.487	5.461	3.1391	0.01721	0.00953	-0.01794	0.00548	0.00303	-0.00571	0.00484	0.00976	0.00554
8791	1888.13	124.1	3.51	0.29	0.0252	-0.0202	13.61	0.489	5.559	3.1386	0.02308	0.00763	-0.01753	0.00735	0.00243	-0.00558	0.00671	0.00915	0.00568
8792	1887.70	124.1	3.51	0.28	0.0242	-0.0133	13.74	0.488	5.696	3.1387	0.02715	0.00481	-0.02040	0.00865	0.00153	-0.00650	0.00800	0.00825	0.00476
8793	1888.42	124.2	3.51	0.25	0.0190	-0.0021	13.86	0.486	5.850	3.1393	0.03180	0.00616	-0.02186	0.01013	0.00196	-0.00696	0.00948	0.00869	0.00330
8794	1888.27	124.0	3.51	0.25	0.0232	-0.0082	13.87	0.487	5.842	3.1405	0.03024	0.00531	-0.02237	0.00963	0.00169	-0.00712	0.00898	0.00841	0.00414
8795	1887.84	124.3	3.51	0.25	0.0214	-0.0045	13.99	0.486	5.972	3.1382	0.03469	0.00627	-0.01783	0.01105	0.00200	-0.00568	0.01041	0.00872	0.00558
8796	1887.98	124.3	3.51	0.26	0.0214	0.0011	14.11	0.487	6.086	3.1377	0.03456	0.00236	-0.01774	0.01101	0.00075	-0.00565	0.01037	0.00748	0.00561
8797	1887.98	124.3	3.51	0.27	0.0201	0.0078	14.24	0.487	6.210	3.1382	0.03018	0.00060	-0.01948	0.00962	0.00019	-0.00621	0.00897	0.00691	0.00505
8798	1888.13	124.2	3.51	0.26	0.0214	0.0104	14.37	0.487	6.341	3.1383	0.02721	0.00567	-0.01858	0.00867	0.00181	-0.00592	0.00802	0.00853	0.00534
8799	1887.98	124.2	3.51	0.24	0.0183	0.0180	14.37	0.486	6.357	3.1385	0.02713	0.00467	-0.02046	0.00864	0.00149	-0.00652	0.00800	0.00821	0.00474
8800	1887.98	124.0	3.51	0.24	0.0190	0.0128	14.37	0.486	6.355	3.1378	0.02688	0.00623	-0.01952	0.00857	0.00198	-0.00622	0.00792	0.00871	0.00504
8801	1888.27	124.3	3.51	0.25	0.0207	0.0147	14.49	0.486	6.473	3.1384	0.02568	0.01010	-0.01920	0.00818	0.00322	-0.00612	0.00754	0.00994	0.00514
8802	1887.98	124.2	3.51	0.23	0.0166	0.0208	14.62	0.485	6.616	3.1385	0.02360	0.01007	-0.01940	0.00752	0.00321	-0.00618	0.00687	0.00993	0.00508
8803	1887.98	124.0	3.51	0.24	0.0207	0.0175	14.62	0.486	6.609	3.1384	0.02730	0.01278	-0.01894	0.00870	0.00407	-0.00604	0.00805	0.01079	0.00522
8804	1887.84	124.1	3.51	0.24	0.0166	0.0292	14.74	0.486	6.732	3.1381	0.02621	0.01153	-0.01662	0.00835	0.00368	-0.00530	0.00771	0.01040	0.00596
8805	1887.98	124.3	3.51	0.25	0.0217	0.0246	14.87	0.487	6.845	3.1387	0.02927	0.01316	-0.01888	0.00932	0.00419	-0.00601	0.00868	0.01092	0.00525
8806	1887.55	124.1	3.51	0.23	0.0176	0.0344	14.99	0.485	6.991	3.1389	0.03004	0.01098	-0.01554	0.00957	0.00350	-0.00495	0.00892	0.01022	0.00631
8807	1888.13	124.2	3.51	0.24	0.0180	0.0383	15.11	0.486	7.107	3.1393	0.03018	0.01214	-0.01408	0.00961	0.00387	-0.00449	0.00897	0.01059	0.00677
8808	1887.70	124.2	3.51	0.25	0.0180	0.0383	15.24	0.486	7.228	3.1383	0.02982	0.01585	-0.01503	0.00950	0.00505	-0.00479	0.00886	0.01178	0.00647
8809	1887.84	124.2	3.51	0.24	0.0166	0.0441	15.36	0.485	7.363	3.1382	0.03435	0.01881	-0.01473	0.01095	0.00599	-0.00469	0.01030	0.01272	0.00657
8810	1887.98	124.1	3.51	0.24	0.0159	0.0474	15.49	0.486	7.483	3.1381	0.03479	0.01802	-0.01500	0.01109	0.00574	-0.00478	0.01044	0.01247	0.00648
8811	1887.55	124.1	3.51	0.25	0.0149	0.0469	15.61	0.486	7.604	3.1382	0.03190	0.01402	-0.01557	0.01016	0.00447	-0.00496	0.00952	0.01119	0.00630
8812	1888.56	124.1	3.51	0.25	0.0186	0.0527	15.74	0.486	7.729	3.1396	0.03434	0.01983	-0.01798	0.01094	0.00632	-0.00573	0.01029	0.01304	0.00553
8813	1888.13	124.2	3.51	0.26	0.0203	0.0462	15.86	0.487	7.840	3.1384	0.03545	0.02264	-0.01492	0.01130	0.00721	-0.00476	0.01065	0.01394	0.00650
8814	1887.55	124.2	3.51	0.24	0.0162	0.0532	15.99	0.486	7.984	3.1381	0.03168	0.01989	-0.01436	0.01010	0.00634	-0.00457	0.00945	0.01306	0.00668
8815	1888.27	124.2	3.51	0.26	0.0186	0.0517	16.12	0.487	8.094	3.1389	0.03326	0.01799	-0.00787	0.01060	0.00573	-0.00251	0.00995	0.01245	0.00875
8816	1887.98	124.3	3.51	0.25	0.0162	0.0579	16.24	0.486	8.229	3.1386	0.03167	0.00897	-0.00192	0.01009	0.00286	-0.00061	0.00945	0.00958	0.01065
8817	1887.84	124.3	3.51	0.26	0.0176	0.0558	16.37	0.487	8.345	3.1386	0.03118	0.00310	-0.00522	0.00994	0.00099	-0.00166	0.00929	0.00771	0.00960
8818	1887.41	124.3	3.51	0.27	0.0166	0.0590	16.49	0.487	8.463	3.1374	0.03241	-0.00078	-0.00675	0.01033	-0.00025	-0.00215	0.00968	0.00648	0.00911
8819	1888.42	124.2	3.51	0.26	0.0176	0.0567	16.61	0.487	8.591	3.1400	0.03423	-0.00403	-0.00749	0.01090	-0.00128	-0.00239	0.01025	0.00544	0.00887
8820	1887.98	124.2	3.51	0.26	0.0186	0.0471	16.74	0.486	8.719	3.1392	0.03390	-0.00477	-0.00614	0.01080	-0.00152	-0.00196	0.01015	0.00520	0.00930
8821	1887.84	124.1	3.51	0.27	0.0203	0.0452	16.86	0.487	8.830	3.1386	0.03210	-0.00678	-0.00901	0.01023	-0.00216	-0.00287	0.00958	0.00456	0.00839
8822	1888.27	124.1	3.51	0.27	0.0210	0.0391	16.99	0.487	8.959	3.1390	0.02573	-0.01566	-0.01165	0.00820	-0.00499	-0.00371	0.00755	0.00173	0.00755
8823	1887.70	124.2	3.51	0.27	0.0231	0.0318	17.11	0.487	9.080	3.1381	0.01998	-0.02592	-0.01104	0.00637	-0.00826	-0.00352	0.00572	-0.00154	0.00774
8824	1887.98	124.2	3.51	0.26	0.0234	0.0320	17.24	0.487	9.212	3.1386	0.01297	-0.04315	-0.00849	0.00413	-0.01375	-0.00271	0.00349	-0.00702	0.00855
8825	1887.98	124.1	3.51	0.24	0.0190	0.0361	17.37	0.486	9.356	3.1385	0.00467	-0.06516	-0.00855	0.00149	-0.02076	-0.00273	0.00084	-0.01404	0.00853
8826	1888.42	124.1	3.51	0.25	0.0224	0.0333	17.49	0.486	9.471	3.1386	0.00116	-0.06806	-0.00182	0.00037	-0.02168	-0.00058	-0.00028	-0.01496	0.01068
8827	1887.84	124.1	3.51	0.26	0.0217	0.0320	17.62	0.487	9.589	3.1377	-0.00720	-0.06952	-0.00085	-0.00230	-0.02216	-0.00027	-0.00294	-0.01543	0.01099
8828	1888.13	124.1	3.51	0.27	0.0262	0.0242	17.74	0.487	9.708	3.1392	-0.01849	-0.05972	-0.00083	-0.00589	-0.01903	-0.00026	-0.00654	-0.01230	0.01099
8829	1887.70	124.2	3.51	0.26	0.0224	0.0277	17.87	0.487	9.841	3.1381	-0.02247	-0.03845	-0.00519	-0.00716	-0.01225	-0.00165	-0.00781	-0.00553	0.00960
8830	1888.56	124.1	3.51	0.26	0.0204	0.0340	17.99	0.487	9.967	3.1398	-0.03076	-0.03215	-0.01080	-0.00980	-0.01024	-0.00344	-0.01044	-0.00352	0.00782
8831	1888.27	124.2	3.51	0.26	0.0217														

Table A10. Continued.

Run = 140

M = 1.60

xsppos = 39.851

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8851	1888.13	124.5	3.50	0.26	0.0241	0.0315	20.62	0.487	12.588	3.1385	-0.00568	-0.01584	-0.09270	-0.00181	-0.00505	-0.02954	-0.00245	0.00167	-0.01828
8852	1888.27	124.5	3.51	0.25	0.0245	0.0363	20.74	0.487	12.717	3.1389	-0.00549	-0.01763	-0.09859	-0.00175	-0.00562	-0.03141	-0.00240	0.00111	-0.02015
8853	1887.84	124.5	3.50	0.26	0.0245	0.0363	20.86	0.487	12.839	3.1392	-0.00702	-0.02023	-0.10461	-0.00223	-0.00645	-0.03333	-0.00288	0.00028	-0.02207
8854	1888.27	124.5	3.51	0.26	0.0241	0.0361	20.99	0.487	12.968	3.1397	-0.00618	-0.02378	-0.09686	-0.00197	-0.00758	-0.03085	-0.00261	-0.00085	-0.01959
8855	1887.98	124.5	3.50	0.26	0.0252	0.0358	21.11	0.487	13.088	3.1385	-0.00381	-0.02668	-0.07149	-0.00122	-0.00850	-0.02278	-0.00186	-0.00178	-0.01152
8856	1887.84	124.4	3.51	0.25	0.0217	0.0395	21.24	0.486	13.220	3.1394	-0.00190	-0.03150	-0.04767	-0.00061	-0.01003	-0.01518	-0.00125	-0.00331	-0.00393
8857	1888.42	124.4	3.51	0.25	0.0262	0.0363	21.36	0.487	13.342	3.1402	-0.00203	-0.03339	-0.03984	-0.00065	-0.01063	-0.01269	-0.00129	-0.00391	-0.00143
8858	1888.27	124.4	3.51	0.25	0.0231	0.0383	21.49	0.487	13.468	3.1393	0.00134	-0.03628	-0.03528	0.00043	-0.01156	-0.01124	-0.00022	-0.00484	0.00002
8859	1888.13	124.4	3.51	0.26	0.0272	0.0332	21.62	0.487	13.587	3.1395	-0.00181	-0.03854	-0.03965	-0.00058	-0.01228	-0.01263	-0.00122	-0.00555	-0.00137
8860	1888.13	124.3	3.51	0.27	0.0258	0.0352	21.74	0.487	13.704	3.1387	-0.00523	-0.03873	-0.04466	-0.00167	-0.01234	-0.01423	-0.00231	-0.00562	-0.00297
8861	1887.84	124.4	3.50	0.26	0.0228	0.0335	21.87	0.487	13.836	3.1383	-0.00851	-0.03184	-0.04961	-0.00271	-0.01015	-0.01581	-0.00336	-0.00342	-0.00455
8862	1887.98	124.4	3.51	0.26	0.0255	0.0332	21.99	0.487	13.956	3.1389	-0.01167	-0.02257	-0.05177	-0.00372	-0.00719	-0.01649	-0.00437	-0.00047	-0.00523
8863	1888.42	124.5	3.51	0.27	0.0248	0.0346	22.11	0.487	14.079	3.1401	-0.01207	-0.01641	-0.03965	-0.00384	-0.00523	-0.01263	-0.00449	0.00150	-0.00137
8864	1887.98	124.4	3.50	0.27	0.0255	0.0341	22.24	0.487	14.204	3.1389	-0.01149	-0.01605	-0.03322	-0.00366	-0.00511	-0.01058	-0.00431	0.00161	0.00068
8865	1887.98	124.5	3.50	0.26	0.0248	0.0346	22.37	0.487	14.335	3.1384	-0.01291	-0.02027	-0.03013	-0.00411	-0.00646	-0.00960	-0.00476	0.00027	0.00166
8866	1887.84	124.3	3.51	0.26	0.0265	0.0337	22.49	0.487	14.466	3.1376	-0.01129	-0.02493	-0.03086	-0.00360	-0.00795	-0.00984	-0.00424	-0.00122	0.00142
8867	1887.98	124.5	3.50	0.26	0.0234	0.0330	22.62	0.487	14.589	3.1391	0.00030	-0.03592	-0.03277	0.00010	-0.01144	-0.01044	-0.00055	-0.00472	0.00082
8868	1887.84	124.6	3.50	0.26	0.0255	0.0322	22.74	0.487	14.707	3.1383	0.01371	-0.03823	-0.03495	0.00437	-0.01218	-0.01114	0.00372	-0.00546	0.00012
8869	1887.84	124.3	3.51	0.26	0.0262	0.0298	22.86	0.487	14.835	3.1382	0.00128	-0.03461	-0.03411	0.00409	-0.01103	-0.01087	0.00344	-0.00431	0.00039
8870	1888.13	124.4	3.51	0.26	0.0238	0.0331	22.99	0.487	14.964	3.1390	0.00580	-0.02067	-0.03740	0.00185	-0.00659	-0.01191	0.00120	0.00014	-0.00065
8871	1887.84	124.3	3.51	0.27	0.0272	0.0285	23.11	0.488	15.076	3.1390	-0.00257	-0.01467	-0.03964	-0.00082	-0.00467	-0.01263	-0.00147	0.00205	-0.00137
8872	1887.84	124.4	3.51	0.27	0.0234	0.0348	23.24	0.487	15.203	3.1393	-0.01209	-0.00943	-0.04088	-0.00385	-0.00301	-0.01302	-0.00450	0.00372	-0.00176
8873	1887.84	124.4	3.50	0.26	0.0224	0.0333	23.36	0.487	15.337	3.1392	-0.01907	-0.00990	-0.04374	-0.00608	-0.00315	-0.01393	-0.00672	0.00357	-0.00268
8874	1887.98	124.3	3.51	0.26	0.0252	0.0283	23.49	0.487	15.462	3.1391	-0.01967	-0.00927	-0.04391	-0.00627	-0.00295	-0.01399	-0.00691	0.00377	-0.00273
8875	1887.98	124.3	3.51	0.26	0.0255	0.0285	23.61	0.487	15.583	3.1389	-0.00499	-0.01062	-0.04510	-0.00159	-0.00338	-0.01437	-0.00224	0.00334	-0.00311
8876	1887.70	124.2	3.51	0.27	0.0248	0.0272	23.74	0.487	15.703	3.1383	0.01345	-0.01305	-0.04292	0.00429	-0.00416	-0.01368	0.00364	0.00256	-0.00242
8877	1887.98	124.1	3.51	0.27	0.0255	0.0294	23.86	0.487	15.829	3.1394	0.01485	-0.01434	-0.04464	0.00473	-0.00457	-0.01422	0.00408	0.00216	-0.00296
8878	1888.27	124.1	3.51	0.26	0.0245	0.0307	23.99	0.487	15.959	3.1398	0.01308	-0.01511	-0.04662	0.00416	-0.00481	-0.01485	0.00352	0.00191	-0.00359
8879	1888.27	124.2	3.51	0.26	0.0248	0.0300	24.11	0.487	16.083	3.1399	0.01237	-0.01686	-0.05164	0.00394	-0.00537	-0.01645	0.00329	0.00135	-0.00519
8880	1888.13	124.5	3.50	0.26	0.0262	0.0298	24.24	0.487	16.205	3.1397	0.01000	-0.01741	-0.05208	0.00318	-0.00555	-0.01659	0.00254	0.00118	-0.00533
8881	1888.13	124.5	3.50	0.26	0.0255	0.0294	24.36	0.487	16.332	3.1390	0.01073	-0.01647	-0.05533	0.00342	-0.00525	-0.01763	0.00277	0.00148	-0.00637
8882	1887.98	124.3	3.51	0.25	0.0238	0.0341	24.49	0.487	16.466	3.1394	0.00927	-0.01761	-0.05570	0.00295	-0.00561	-0.01774	0.00231	0.00111	-0.00648
8883	1888.13	124.3	3.51	0.26	0.0234	0.0329	24.61	0.487	16.591	3.1405	0.00687	-0.01802	-0.05732	0.00219	-0.00574	-0.01825	0.00154	0.00098	-0.00699
8884	1888.13	124.3	3.51	0.25	0.0238	0.0303	24.74	0.487	16.717	3.1400	0.00725	-0.01846	-0.05354	0.00231	-0.00588	-0.01705	0.00166	0.00084	-0.00579
8885	1887.98	124.3	3.51	0.27	0.0276	0.0259	24.86	0.488	16.826	3.1400	0.00544	-0.01856	-0.03970	0.00173	-0.00591	-0.01264	0.00109	0.00081	-0.00138
8886	1888.13	124.3	3.51	0.26	0.0259	0.0268	24.99	0.487	16.959	3.1393	0.00713	-0.01792	-0.01943	0.00227	-0.00571	-0.00619	0.00163	0.00102	0.00507
8887	1888.13	124.3	3.51	0.25	0.0255	0.0294	25.12	0.487	17.091	3.1396	0.00541	-0.01718	-0.02131	0.00172	-0.00547	-0.00679	0.00108	0.00125	0.00447
8888	1888.27	124.2	3.51	0.26	0.0248	0.0309	25.24	0.487	17.211	3.1394	0.00555	-0.01720	-0.02893	0.00177	-0.00548	-0.00922	0.00112	0.00124	0.00204
8889	1887.70	124.2	3.51	0.25	0.0235	0.0330	25.36	0.486	17.344	3.1387	0.00614	-0.01624	-0.03611	0.00196	-0.00517	-0.01150	0.00131	0.00155	-0.00025
8890	1887.98	124.4	3.51	0.25	0.0252	0.0283	25.49	0.487	17.467	3.1391	0.00661	-0.01738	-0.04500	0.00211	-0.00554	-0.01433	0.00146	0.00119	-0.00307
8891	1887.98	124.3	3.51	0.25	0.0214	0.0318	25.61	0.487	17.593	3.1387	0.00662	-0.01704	-0.05405	0.00211	-0.00543	-0.01722	0.00146	0.00129	-0.00596
8892	1887.84	124.4	3.50	0.25	0.0214	0.0346	25.74	0.487	17.718	3.1391	0.00615	-0.01728	-0.05317	0.00196	-0.00550	-0.01694	0.00131	0.00122	-0.00568
8893	1887.98	124.5	3.50	0.25	0.0259	0.0287	25.86	0.487	17.839	3.1389	0.00693	-0.01781	-0.04585	0.00221	-0.00567	-0.01461	0.00156	0.00105	-0.00335
8894	1888.13	124.5	3.50	0.26	0.0241	0.0296	25.99	0.487	17.964	3.1396	0.00623	-0.01748	-0.02345	0.00199	-0.00557	-0.00747	0.00134	0.00115	0.00379
8895	1888.13	124.3	3.51	0.26	0.0276	0.0250	26.12	0.487	18.083	3.1396	0.00534	-0.01701	-0.02211	0.00170	-0.00542	-0.00704	0.00105	0.00131	0.00422
8896	1887.55	124.3	3.50	0.25	0.0245	0.0251	26.24	0.487	18.214	3.1393	0.00633	-0.01819	-0.02404	0.00202	-0.00579	-0.00766	0.00137	0.00093	0.00360
8897	1888.13	124.4	3.51	0.27	0.0238	0.0229	26.37	0.487	18.332	3.1404	0.00403	-0.01783	-0.02729	0.00128	-0.00568	-0.00869	0.00064	0.00104	0.00257
8898	1888.13	124.4	3.51	0.27	0.0235	0.0255	26.49	0.487	18.455	3.1394	0.00484	-0.01755	-0.02951	0.00154	-0.00559	-0.00940	0.00090	0.00113	0.00186
8899	1887.55	124.4	3.50	0.25	0.0211	0.0316	26.62	0.486	18.602	3.1386	0.00551	-0.01717	-0.02853	0.00176	-0.00547	-0.00909	0.00111	0.00125	0.00217
8900	1887.84	124.3	3.51	0.26	0.0187	0.0303	26.74	0.487	18.717	3.1390	0.00457	-0.01818	-0.03152	0.00146	-0.00579	-0.01004	0.00081	0.00093	0.00122
8901	1888.42	124.2	3.51	0.26	0.0193	0.0297	26.86	0.487	18.841	3.1395	0.00604	-0.01687	-0.03302	0.00192	-0.00537	-0.01052	0.00128	0.00135	0.00074
8902	1887.70	124.3	3.51	0.25	0.0173	0.0314	26.99	0.486	18.971	3.1386	0.00550	-0.01611	-0.03447	0.00175	-0.00513	-0.01098	0.00111	0.00159	0.00028
8903	1887.84	124.3	3.51	0.25	0.0173	0.0296	27.11	0.486	19.097	3.1393	0.00413	-0.01807	-0.03504	0.00132	-0.00576	-0.01116	0.00067	0.00097	0.00010
8904																			

Table A10. Continued.

Run = 140

M = 1.60

xsppos = 39.851

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8924	1887.98	124.3	3.51	0.24	0.0176	0.0363	29.74	0.486	21.736	3.1383	0.00219	-0.02083	-0.02959	0.00070	-0.00664	-0.00943	0.00005	0.00008	0.00183
8925	1887.98	124.4	3.51	0.25	0.0193	0.0344	29.87	0.486	21.852	3.1383	0.00191	-0.02099	-0.02694	0.00061	-0.00669	-0.00858	-0.00004	0.00003	0.00267
8926	1888.13	124.5	3.50	0.25	0.0224	0.0287	29.99	0.486	21.974	3.1394	0.00048	-0.02098	-0.02887	0.00015	-0.00668	-0.00920	-0.00049	0.00004	0.00206
8927	1888.27	124.4	3.51	0.25	0.0221	0.0303	30.11	0.486	22.095	3.1393	-0.00048	-0.02029	-0.02564	-0.00015	-0.00646	-0.00817	-0.00080	0.00026	0.00309
8928	1887.84	124.3	3.51	0.24	0.0193	0.0298	30.24	0.486	22.228	3.1388	-0.00077	-0.01926	-0.02666	-0.00025	-0.00614	-0.00849	-0.00089	0.00059	0.00276
8929	1887.98	124.1	3.51	0.25	0.0204	0.0322	30.37	0.486	22.348	3.1387	0.00049	-0.01639	-0.02661	0.00016	-0.00522	-0.00848	-0.00049	0.00150	0.00278
8930	1887.98	124.2	3.51	0.25	0.0231	0.0300	30.49	0.486	22.469	3.1387	0.00051	-0.01361	-0.02959	0.00016	-0.00434	-0.00943	-0.00048	0.00239	0.00183
8931	1887.84	124.2	3.51	0.25	0.0241	0.0287	30.61	0.486	22.594	3.1390	0.00107	-0.01096	-0.03033	0.00034	-0.00349	-0.00966	-0.00030	0.00323	0.00160
8932	1888.27	124.3	3.51	0.25	0.0234	0.0311	30.74	0.486	22.721	3.1396	0.00250	-0.00787	-0.03158	0.00080	-0.00251	-0.01006	0.00015	0.00422	0.00120
8933	1887.84	124.3	3.51	0.25	0.0207	0.0370	30.86	0.486	22.851	3.1380	0.00521	-0.00374	-0.03023	0.00166	-0.00119	-0.00963	0.00102	0.00553	0.00163
8934	1887.55	124.1	3.51	0.25	0.0197	0.0346	30.99	0.486	22.969	3.1385	0.00766	-0.00086	-0.03266	0.00244	-0.00027	-0.01041	0.00179	0.00645	0.00085
8935	1887.98	124.1	3.51	0.25	0.0193	0.0353	31.11	0.486	23.101	3.1396	0.00784	0.00171	-0.03422	0.00250	0.00055	-0.01090	0.00185	0.00727	0.00036
8936	1887.70	124.2	3.51	0.25	0.0204	0.0331	31.24	0.486	23.227	3.1382	0.01136	0.00422	-0.03244	0.00362	0.00134	-0.01034	0.00297	0.00807	0.00092
8937	1887.98	124.3	3.51	0.25	0.0214	0.0346	31.36	0.486	23.347	3.1395	0.01361	0.00871	-0.03197	0.00433	0.00278	-0.01018	0.00369	0.00950	0.00108
8938	1888.27	124.2	3.51	0.25	0.0235	0.0255	31.49	0.487	23.468	3.1393	0.01789	0.01314	-0.03266	0.00570	0.00419	-0.01040	0.00505	0.01091	0.00086
8939	1888.27	124.4	3.51	0.24	0.0228	0.0326	31.61	0.486	23.599	3.1386	0.00454	0.02008	-0.03286	0.00782	0.00640	-0.01047	0.00717	0.01312	0.00079
8940	1887.98	124.5	3.50	0.24	0.0214	0.0272	31.74	0.486	23.730	3.1381	0.03006	0.02951	-0.03258	0.00958	0.00940	-0.01038	0.00893	0.01613	0.00088
8941	1888.13	124.5	3.50	0.25	0.0228	0.0288	31.86	0.486	23.849	3.1395	0.03165	0.03574	-0.03347	0.01008	0.01139	-0.01066	0.00944	0.01811	0.00060
8942	1888.27	124.3	3.51	0.25	0.0200	0.0311	31.99	0.486	23.972	3.1395	0.03719	0.04081	-0.03302	0.01185	0.01300	-0.01052	0.01120	0.01972	0.00074
8943	1887.55	124.3	3.51	0.25	0.0242	0.0249	32.12	0.487	24.093	3.1380	0.04263	0.04464	-0.03454	0.01359	0.01423	-0.01101	0.01294	0.02095	0.00025
8944	1888.13	124.4	3.51	0.25	0.0221	0.0257	32.24	0.486	24.224	3.1392	0.04930	0.04655	-0.03465	0.01571	0.01483	-0.01104	0.01506	0.02155	0.00022
8945	1888.13	124.5	3.50	0.25	0.0231	0.0290	32.36	0.486	24.345	3.1395	0.05606	0.04756	-0.03486	0.01786	0.01515	-0.01110	0.01721	0.02187	0.00015
8946	1887.98	124.5	3.50	0.24	0.0204	0.0303	32.49	0.486	24.474	3.1386	0.06313	0.04867	-0.03316	0.02011	0.01551	-0.01057	0.01947	0.02223	0.00069
8947	1888.27	124.4	3.51	0.24	0.0173	0.0361	32.61	0.486	24.606	3.1386	0.06653	0.05327	-0.02940	0.02120	0.01697	-0.00937	0.02055	0.02370	0.00189
8948	1888.13	124.4	3.51	0.25	0.0207	0.0324	32.74	0.486	24.726	3.1389	0.06938	0.05638	-0.02937	0.02210	0.01796	-0.00936	0.02146	0.02468	0.00190
8949	1887.98	124.4	3.51	0.24	0.0169	0.0359	32.87	0.486	24.858	3.1382	0.07155	0.06120	-0.02241	0.02280	0.01950	-0.00714	0.02216	0.02623	0.00412
8950	1887.98	124.3	3.51	0.24	0.0183	0.0273	32.99	0.486	24.982	3.1382	0.07556	0.06335	-0.02225	0.02408	0.02019	-0.00709	0.02343	0.02691	0.00417
8951	1887.98	124.2	3.51	0.24	0.0166	0.0338	33.11	0.486	25.109	3.1385	0.07795	0.06278	-0.02100	0.02484	0.02000	-0.00669	0.02419	0.02673	0.00457
8952	1887.98	124.3	3.51	0.24	0.0162	0.0299	33.24	0.486	25.236	3.1387	0.08159	0.05798	-0.01566	0.02600	0.01847	-0.00499	0.02535	0.02520	0.00627
8953	1888.27	124.2	3.51	0.24	0.0169	0.0275	33.36	0.486	25.358	3.1387	0.08484	0.05359	-0.01389	0.02703	0.01707	-0.00443	0.02638	0.02380	0.00683
8954	1887.98	124.3	3.51	0.25	0.0186	0.0322	33.49	0.486	25.477	3.1395	0.08514	0.04740	-0.01145	0.02712	0.01510	-0.00365	0.02647	0.02182	0.00761
8955	1887.98	124.2	3.51	0.25	0.0187	0.0294	33.62	0.486	25.604	3.1377	0.08257	0.04173	-0.00787	0.02631	0.01330	-0.00251	0.02567	0.02002	0.00875
8956	1887.70	124.3	3.51	0.25	0.0176	0.0288	33.74	0.486	25.727	3.1393	0.07785	0.03411	-0.00306	0.02480	0.01086	-0.00097	0.02415	0.01759	0.01028
8957	1888.56	124.1	3.51	0.25	0.0138	0.0295	33.86	0.486	25.856	3.1396	0.07058	0.02855	0.00589	0.02248	0.00909	0.00188	0.02184	0.01582	0.01313
8958	1887.70	124.1	3.51	0.25	0.0193	0.0242	33.99	0.486	25.972	3.1382	0.06779	0.02818	0.00888	0.02160	0.00898	0.00283	0.02095	0.01570	0.01409
8959	1887.98	124.4	3.51	0.24	0.0166	0.0254	34.12	0.486	26.107	3.1395	0.05776	0.02383	0.01986	0.01840	0.00759	0.00632	0.01775	0.01431	0.01758
8960	1887.84	124.4	3.50	0.24	0.0135	0.0284	34.24	0.485	26.237	3.1411	0.05013	0.02118	0.02289	0.01596	0.00674	0.00729	0.01531	0.01347	0.01855
8961	1887.98	124.4	3.51	0.24	0.0149	0.0310	34.36	0.485	26.362	3.1406	0.04641	0.02476	0.02797	0.01478	0.00788	0.00890	0.01413	0.01461	0.02016
8962	1887.70	124.3	3.51	0.24	0.0176	0.0307	34.49	0.486	26.484	3.1406	0.04040	0.02582	0.03024	0.01286	0.00822	0.00963	0.01222	0.01494	0.02089
8963	1887.84	124.1	3.51	0.25	0.0193	0.0270	34.62	0.486	26.598	3.1393	0.04015	0.02671	0.03259	0.01279	0.00851	0.01038	0.01214	0.01523	0.02164
8964	1887.70	124.4	3.50	0.24	0.0145	0.0327	34.74	0.485	26.741	3.1366	0.03760	0.02699	0.03720	0.01199	0.00860	0.01186	0.01134	0.01533	0.02312
8965	1887.98	124.4	3.51	0.25	0.0159	0.0288	34.86	0.486	26.854	3.1375	0.03808	0.02478	0.03887	0.01214	0.00790	0.01239	0.01149	0.01462	0.02365
8966	1888.13	124.4	3.51	0.24	0.0149	0.0329	34.99	0.485	26.988	3.1392	0.03886	0.02013	0.03849	0.01238	0.00641	0.01226	0.01173	0.01314	0.02352
8967	1888.27	124.3	3.51	0.24	0.0162	0.0327	35.12	0.486	27.108	3.1397	0.03864	0.01845	0.03790	0.01231	0.00588	0.01207	0.01166	0.01260	0.02333
8968	1887.84	124.4	3.50	0.25	0.0173	0.0296	35.24	0.486	27.231	3.1419	0.03423	0.01178	0.03873	0.01090	0.00375	0.01233	0.01025	0.01047	0.02359
8969	1888.13	124.5	3.50	0.23	0.0145	0.0299	35.37	0.485	27.368	3.1451	0.03035	0.00724	0.03362	0.00965	0.00230	0.01069	0.00900	0.00903	0.02195
8970	1887.98	124.4	3.51	0.25	0.0183	0.0255	35.49	0.486	27.479	3.1451	0.02745	0.00480	0.03123	0.00873	0.00153	0.00993	0.00808	0.00825	0.02119
8971	1887.98	124.3	3.51	0.24	0.0166	0.0301	35.62	0.486	27.611	3.1449	0.02511	0.00226	0.02582	0.00799	0.00072	0.00821	0.00734	0.00744	0.01947
8972	1887.98	124.3	3.51	0.24	0.0173	0.0277	35.74	0.486	27.733	3.1417	0.02740	0.00317	0.02512	0.00872	0.00101	0.00799	0.00807	0.00773	0.01925
8973	1888.13	124.3	3.51	0.24	0.0169	0.0284	35.87	0.485	27.863	3.1413	0.02510	0.00200	0.01959	0.00799	0.00064	0.00623	0.00734	0.00736	0.01749
8974	1888.27	124.4	3.51	0.24	0.0152	0.0293	35.99	0.485	27.988	3.1370	0.02760	0.00623	0.01683	0.00880	0.00199	0.00537	0.00815	0.00871	0.01662
8975	1887.84	124.4	3.50	0.24	0.0187	0.0266	36.12	0.486	28.106	3.1370	0.02563	0.00660	0.01222	0.00817	0.00210	0.00389	0.00752	0.00883	0.01515
8976	1888.42	124.3	3.51	0.24	0.0176	0.0288	36.24	0.486	28.228	3.1393	0.02145	0.00903	0.00645	0.00683	0.00288	0.00205	0.00619	0.00960	0.01331
8977																			

Table A10. Concluded.

Run = 140

M = 1.60

xsppos = 39.852

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
8997	1887.98	124.3	3.51	0.24	0.0180	0.0290	38.87	0.486	30.855	3.1522	-0.02980	-0.04155	-0.03548	-0.00945	-0.01318	-0.01126	-0.01010	-0.00646	0.00000
8998	1887.98	124.3	3.51	0.24	0.0180	0.0243	38.99	0.486	30.981	3.1503	-0.02571	-0.03776	-0.04270	-0.00816	-0.01199	-0.01355	-0.00881	-0.00526	-0.00229
8999	1887.98	124.3	3.51	0.24	0.0173	0.0258	39.12	0.486	31.110	3.1494	-0.02050	-0.03658	-0.04723	-0.00651	-0.01161	-0.01500	-0.00715	-0.00489	-0.00374

Table A11. Run 141.

Run = 141

M = 1.60

xspos = 39.851

point	p0	t0	rntf	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9000	1887.70	124.1	3.51	-0.25	0.0029	0.0375	13.03	1.180	-6.432	3.1393	0.00241	-0.02261	-0.03522	0.00077	-0.00720	-0.01122	-0.00028	-0.00049	-0.00013
9001	1888.13	124.3	3.51	-0.24	0.0039	0.0371	13.03	1.181	-6.439	3.1378	0.00393	-0.01952	-0.03407	0.00125	-0.00622	-0.01086	0.00021	0.00049	0.00023
9002	1887.55	124.4	3.50	-0.25	0.0039	0.0352	13.03	1.181	-6.435	3.1383	0.00363	-0.02185	-0.03516	0.00116	-0.00696	-0.01120	0.00011	-0.00025	-0.00012
9003	1887.98	124.3	3.51	-0.26	0.0008	0.0373	13.03	1.180	-6.425	3.1385	0.00344	-0.02096	-0.03507	0.00110	-0.00668	-0.01118	0.00005	0.00003	-0.00009
9004	1887.98	124.3	3.51	-0.25	0.0022	0.0371	13.03	1.180	-6.429	3.1393	0.00296	-0.02041	-0.03446	0.00094	-0.00650	-0.01098	-0.00010	0.00021	0.00011
9005	1888.13	124.1	3.51	-0.17	0.0036	-0.0143	13.03	0.486	5.017	3.1390	0.02383	0.00476	-0.01336	0.00759	0.00152	-0.00426	0.00655	0.00823	0.00683
9006	1887.98	124.1	3.51	-0.18	0.0026	-0.0140	13.11	0.485	5.112	3.1394	0.02263	0.00783	-0.01393	0.00721	0.00250	-0.00444	0.00616	0.00921	0.00665
9007	1887.98	124.1	3.51	-0.19	0.0005	-0.0048	13.24	0.485	5.244	3.1389	0.02330	0.01149	-0.01592	0.00742	0.00366	-0.00507	0.00638	0.01037	0.00601
9008	1887.98	124.1	3.51	-0.18	0.0022	-0.0020	13.36	0.485	5.361	3.1388	0.02057	0.01215	-0.01731	0.00655	0.00387	-0.00551	0.00551	0.01058	0.00557
9009	1887.98	124.1	3.51	-0.20	-0.0019	0.0022	13.49	0.484	5.508	3.1397	0.01632	0.01025	-0.01915	0.00520	0.00326	-0.00610	0.00416	0.00998	0.00499
9010	1887.84	124.3	3.51	-0.20	-0.0016	0.0089	13.62	0.484	5.634	3.1390	0.02119	0.00612	-0.01995	0.00675	0.00195	-0.00636	0.00571	0.00866	0.00473
9011	1888.27	124.1	3.51	-0.20	-0.0019	0.0106	13.61	0.484	5.632	3.1394	0.01933	0.00602	-0.01931	0.00616	0.00192	-0.00615	0.00512	0.00863	0.00493
9012	1888.42	124.3	3.51	-0.20	-0.0009	0.0084	13.62	0.484	5.630	3.1391	0.02153	0.00744	-0.01708	0.00686	0.00237	-0.00544	0.00582	0.00908	0.00565
9013	1887.84	124.2	3.51	-0.20	-0.0029	0.0156	13.74	0.484	5.760	3.1391	0.02506	0.00235	-0.01940	0.00798	0.00075	-0.00618	0.00694	0.00746	0.00491
9014	1887.84	124.2	3.51	-0.20	-0.0022	0.0141	13.74	0.484	5.756	3.1388	0.02557	0.00218	-0.01861	0.00815	0.00069	-0.00593	0.00710	0.00741	0.00516
9015	1888.13	124.1	3.51	-0.20	-0.0036	0.0180	13.86	0.484	5.884	3.1392	0.02782	0.00158	-0.01833	0.00886	0.00050	-0.00584	0.00782	0.00722	0.00525
9016	1887.98	124.1	3.51	-0.21	-0.0043	0.0251	13.99	0.484	6.016	3.1398	0.03254	0.00242	-0.02122	0.01036	0.00077	-0.00676	0.00932	0.00748	0.00433
9017	1887.84	124.2	3.51	-0.18	-0.0057	0.0272	14.11	0.485	6.123	3.1392	0.03233	0.00000	-0.01957	0.01030	0.00000	-0.00623	0.00925	0.00671	0.00485
9018	1887.84	124.3	3.51	-0.19	-0.0019	0.0292	14.24	0.485	6.245	3.1394	0.02398	-0.00400	-0.01920	0.00955	-0.00127	-0.00612	0.00851	0.00544	0.00497
9019	1887.84	124.0	3.51	-0.19	-0.0036	0.0311	14.24	0.485	6.249	3.1388	0.02945	-0.00534	-0.02128	0.00938	-0.00170	-0.00678	0.00834	0.00501	0.00431
9020	1888.42	124.3	3.51	-0.19	-0.0043	0.0344	14.36	0.485	6.374	3.1403	0.02607	-0.00649	-0.02072	0.00830	-0.00207	-0.00660	0.00726	0.00464	0.00449
9021	1887.70	124.0	3.51	-0.19	-0.0067	0.0350	14.37	0.485	6.377	3.1397	0.02559	-0.00660	-0.02106	0.00815	-0.00210	-0.00671	0.00711	0.00461	0.00438
9022	1888.13	124.2	3.51	-0.19	-0.0061	0.0381	14.49	0.485	6.500	3.1395	0.02379	-0.00245	-0.02054	0.00758	-0.00078	-0.00654	0.00653	0.00593	0.00454
9023	1887.84	124.3	3.51	-0.19	-0.0078	0.0437	14.61	0.484	6.624	3.1396	0.02157	-0.00020	-0.02041	0.00687	-0.00006	-0.00650	0.00583	0.00665	0.00459
9024	1888.13	124.1	3.51	-0.20	-0.0088	0.0422	14.74	0.484	6.761	3.1399	0.01917	-0.00016	-0.01793	0.00610	-0.00005	-0.00571	0.00506	0.00666	0.00538
9025	1887.84	124.1	3.51	-0.18	-0.0054	0.0450	14.87	0.485	6.870	3.1395	0.02139	0.00244	-0.01694	0.00681	0.00078	-0.00539	0.00577	0.00749	0.00569
9026	1887.84	124.1	3.51	-0.18	-0.0061	0.0484	14.99	0.485	6.993	3.1389	0.02428	0.00285	-0.01577	0.00774	0.00091	-0.00502	0.00669	0.00762	0.00606
9027	1888.13	124.1	3.51	-0.19	-0.0078	0.0539	15.11	0.484	7.131	3.1388	0.02385	0.00116	-0.01472	0.00760	0.00037	-0.00469	0.00656	0.00708	0.00640
9028	1888.27	124.1	3.51	-0.17	-0.0047	0.0575	15.24	0.485	7.239	3.1401	0.02271	0.00184	-0.01592	0.00723	0.00059	-0.00507	0.00619	0.00730	0.00602
9029	1888.27	124.0	3.51	-0.19	-0.0075	0.0569	15.24	0.484	7.253	3.1393	0.02226	-0.00056	-0.01400	0.00709	-0.00018	-0.00446	0.00605	0.00653	0.00663
9030	1887.98	124.1	3.51	-0.17	-0.0054	0.0581	15.36	0.485	7.364	3.1391	0.02322	0.00308	-0.01462	0.00740	0.00098	-0.00466	0.00635	0.00769	0.00643
9031	1888.13	124.1	3.51	-0.18	-0.0078	0.0642	15.49	0.485	7.495	3.1393	0.02628	0.00346	-0.01648	0.00837	0.00110	-0.00525	0.00733	0.00781	0.00584
9032	1888.13	124.1	3.51	-0.18	-0.0064	0.0631	15.61	0.485	7.620	3.1402	0.02561	0.00312	-0.01753	0.00816	0.00100	-0.00558	0.00711	0.00771	0.00550
9033	1887.84	124.2	3.51	-0.17	-0.0054	0.0674	15.74	0.485	7.735	3.1394	0.02358	0.00168	-0.01598	0.00751	0.00054	-0.00509	0.00647	0.00725	0.00600
9034	1887.98	124.2	3.51	-0.19	-0.0088	0.0701	15.86	0.484	7.877	3.1390	0.02048	0.00091	-0.01721	0.00653	0.00029	-0.00548	0.00548	0.00700	0.00560
9035	1887.84	124.1	3.51	-0.17	-0.0064	0.0659	15.99	0.485	7.990	3.1388	0.02179	0.00267	-0.01592	0.00694	0.00085	-0.00507	0.00590	0.00756	0.00601
9036	1887.98	124.0	3.51	-0.18	-0.0088	0.0701	16.12	0.485	8.128	3.1398	0.01896	0.00383	-0.01267	0.00604	0.00122	-0.00403	0.00500	0.00793	0.00705
9037	1888.13	124.1	3.51	-0.17	-0.0064	0.0677	16.24	0.485	8.240	3.1394	0.01983	0.00300	-0.00618	0.00632	0.00096	-0.00197	0.00527	0.00767	0.00912
9038	1887.84	124.1	3.51	-0.18	-0.0054	0.0655	16.36	0.485	8.371	3.1390	0.02051	-0.00219	-0.00405	0.00653	-0.00070	-0.00129	0.00549	0.00601	0.00980
9039	1887.84	124.1	3.51	-0.17	-0.0044	0.0605	16.49	0.485	8.484	3.1378	0.02044	-0.00846	-0.00544	0.00651	-0.00269	-0.00173	0.00547	0.00402	0.00935
9040	1887.70	124.1	3.51	-0.16	-0.0033	0.0601	16.61	0.486	8.601	3.1384	0.01954	-0.01351	-0.00837	0.00623	-0.00430	-0.00267	0.00518	0.00241	0.00842
9041	1888.27	124.1	3.51	-0.17	-0.0033	0.0611	16.74	0.486	8.734	3.1399	0.02127	-0.01777	-0.00945	0.00678	-0.00566	-0.00301	0.00573	0.00105	0.00808
9042	1887.98	124.1	3.51	-0.17	-0.0040	0.0551	16.87	0.486	8.861	3.1405	0.01872	-0.02204	-0.00863	0.00596	-0.00702	-0.00275	0.00492	-0.00301	0.00834
9043	1887.70	124.2	3.51	-0.17	-0.0037	0.0525	16.99	0.486	8.984	3.1385	0.01759	-0.02137	-0.01161	0.00561	-0.00681	-0.00370	0.00456	-0.00010	0.00739
9044	1887.84	124.0	3.51	-0.17	-0.0026	0.0484	17.11	0.486	9.109	3.1394	0.01276	-0.02621	-0.01648	0.00407	-0.00835	-0.00525	0.00302	-0.00164	0.00584
9045	1887.84	124.1	3.51	-0.17	-0.0016	0.0453	17.24	0.486	9.231	3.1386	0.00828	-0.03261	-0.01465	0.00264	-0.01154	-0.00467	0.00160	-0.00482	0.00642
9046	1887.98	124.1	3.51	-0.16	0.0005	0.0427	17.36	0.486	9.348	3.1394	0.00103	-0.05078	-0.01247	0.00033	-0.01617	-0.00397	-0.00072	-0.00946	0.00712
9047	1887.84	124.2	3.51	-0.16	-0.0013	0.0482	17.49	0.486	9.479	3.1391	-0.00625	-0.06910	-0.01254	-0.00199	-0.02201	-0.00399	-0.00303	-0.01530	0.00709
9048	1887.84	124.2	3.51	-0.17	-0.0002	0.0414	17.61	0.486	9.602	3.1391	-0.01128	-0.07312	-0.01117	-0.00359	-0.02329	-0.00356	-0.00464	-0.01658	0.00753
9049	1887.98	124.1	3.51	-0.17	-0.0033	0.0452	17.74	0.486	9.732	3.1389	-0.01847	-0.06838	-0.00940	-0.00588	-0.02179	-0.00299	-0.00693	-0.01507	0.00809
9050	1888.27	124.4	3.51	-0.16	0.0011	0.0440	17.86	0.486	9.849	3.1398	-0.02364	-0.05628	-0.00940	-0.00753	-0.01793	-0.00299	-0.00857	-0.01121	0.00809
9051	1887.98	124.2	3.51	-0.17	-0.0016	0.0443	17.99	0.486	9.985	3.1392	-0.02944	-0.03731	-0.01259	-0.00938	-0.01189	-0.00401	-0.01042	-0.00517	0.00708
9052	1888.27	124.1	3.51	-0.17	-0.0019	0.0460	18.11	0.485	10.110	3.1390	-0.03350	-0.03230	-0.01801	-0.01067	-0.01029	-0.00574	-0.01172	-0.00358	0.00535
9053	1887.84	124.1	3.51	-0.18	-0.0057														

Table A11. Concluded.

Run = 141

M = 1.60

xsppos = 39.851

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9073	1888.13	124.1	3.51	-0.15	0.0046	0.0421	20.74	0.487	12.714	3.1390	-0.00361	-0.01342	-0.09253	-0.00115	-0.00428	-0.02948	-0.00219	0.00244	-0.01839
9074	1887.70	124.3	3.51	-0.15	0.0029	0.0449	20.86	0.487	12.840	3.1380	-0.00233	-0.01412	-0.09923	-0.00074	-0.00450	-0.03162	-0.00178	0.00221	-0.02054
9075	1887.84	124.3	3.51	-0.15	0.0022	0.0436	20.99	0.487	12.963	3.1388	-0.00260	-0.01678	-0.10319	-0.00083	-0.00534	-0.03288	-0.00187	0.00137	-0.02179
9076	1888.27	124.1	3.51	-0.15	0.0018	0.0453	21.11	0.487	13.092	3.1393	-0.00204	-0.02058	-0.09386	-0.00065	-0.00656	-0.02990	-0.00169	0.00016	-0.01881
9077	1887.98	124.2	3.51	-0.16	0.0029	0.0458	21.24	0.486	13.219	3.1391	-0.00025	-0.02250	-0.05725	-0.00008	-0.00717	-0.01824	-0.00112	-0.00045	-0.00715
9078	1888.13	124.3	3.51	-0.16	0.0001	0.0425	21.36	0.486	13.351	3.1393	0.00165	-0.02771	-0.03881	0.00053	-0.00883	-0.01236	-0.00052	-0.00212	-0.00128
9079	1887.98	124.3	3.51	-0.17	0.0008	0.0456	21.49	0.486	13.477	3.1391	0.00315	-0.03159	-0.03175	0.00100	-0.01006	-0.01012	-0.00004	-0.00335	0.00097
9080	1888.13	124.3	3.51	-0.16	0.0022	0.0445	21.61	0.486	13.600	3.1390	0.00430	-0.03438	-0.03090	0.00137	-0.01095	-0.00984	0.00033	-0.00424	0.00124
9081	1887.84	124.4	3.50	-0.16	0.0015	0.0432	21.74	0.486	13.726	3.1389	0.00158	-0.03563	-0.03496	0.00050	-0.01135	-0.01114	-0.00054	-0.00464	-0.00005
9082	1887.98	124.4	3.51	-0.16	0.0022	0.0445	21.86	0.486	13.850	3.1392	-0.00165	-0.03664	-0.04256	-0.00053	-0.01167	-0.01356	-0.00157	-0.00496	-0.00247
9083	1887.84	124.3	3.51	-0.16	0.0032	0.0414	21.99	0.486	13.971	3.1387	-0.00637	-0.03349	-0.04714	-0.00203	-0.01067	-0.01502	-0.00307	-0.00396	-0.00393
9084	1887.84	124.2	3.51	-0.17	-0.0016	0.0480	22.12	0.486	14.109	3.1383	-0.00817	-0.02082	-0.04199	-0.00260	-0.00663	-0.01338	-0.00364	0.00008	-0.00229
9085	1887.84	124.4	3.51	-0.16	0.0018	0.0462	22.24	0.486	14.220	3.1375	-0.00786	-0.01286	-0.03214	-0.00251	-0.00410	-0.01024	-0.00355	0.00261	0.00084
9086	1887.98	124.3	3.51	-0.16	0.0008	0.0428	22.36	0.486	14.350	3.1392	-0.00964	-0.01272	-0.02518	-0.00307	-0.00405	-0.00802	-0.00411	0.00266	0.00307
9087	1888.13	124.2	3.51	-0.16	0.0011	0.0468	22.49	0.486	14.476	3.1394	-0.01142	-0.01833	-0.02867	-0.00364	-0.00584	-0.00913	-0.00468	0.00087	0.00195
9088	1888.27	124.2	3.51	-0.17	-0.0013	0.0473	22.61	0.486	14.609	3.1392	-0.00810	-0.02509	-0.02982	-0.00258	-0.00799	-0.00950	-0.00362	-0.00128	0.00059
9089	1888.27	124.2	3.51	-0.16	0.0049	0.0414	22.74	0.486	14.718	3.1396	-0.00118	-0.03081	-0.03279	-0.00038	-0.00981	-0.01045	-0.00142	-0.00310	0.00064
9090	1888.27	124.2	3.51	-0.17	0.0011	0.0412	22.86	0.486	14.852	3.1390	0.01636	-0.03797	-0.03363	0.00521	-0.01210	-0.01071	0.00417	-0.00538	0.00037
9091	1887.84	124.1	3.51	-0.16	0.0035	0.0388	22.99	0.486	14.971	3.1387	0.01507	-0.03739	-0.04374	0.00480	-0.01191	-0.01075	0.00376	-0.00520	0.00034
9092	1888.13	124.1	3.51	-0.17	0.0011	0.0421	23.11	0.486	15.110	3.1388	0.00828	-0.02317	-0.03656	0.00264	-0.00738	-0.01165	0.00159	-0.00067	-0.00056
9093	1887.84	124.1	3.51	-0.17	0.0022	0.0417	23.24	0.486	15.227	3.1387	-0.00117	-0.01463	-0.03781	-0.00037	-0.00466	-0.01205	-0.00141	0.00205	-0.00096
9094	1888.13	124.2	3.51	-0.16	0.0049	0.0395	23.36	0.486	15.342	3.1382	-0.00833	-0.00911	-0.03858	-0.00265	-0.00290	-0.01229	-0.00370	0.00381	-0.00121
9095	1887.70	124.2	3.51	-0.16	0.0039	0.0399	23.49	0.487	15.466	3.1372	-0.01422	-0.00638	-0.04093	-0.00453	-0.00203	-0.01305	-0.00557	0.00468	-0.00196
9096	1888.13	124.0	3.51	-0.16	0.0011	0.0412	23.61	0.486	15.597	3.1382	-0.01722	-0.00824	-0.04247	-0.00549	-0.00263	-0.01353	-0.00653	0.00409	-0.00245
9097	1888.27	124.1	3.51	-0.17	0.0001	0.0397	23.74	0.486	15.730	3.1395	-0.00175	-0.01121	-0.04228	-0.00056	-0.00357	-0.01347	-0.00160	0.00244	-0.00238
9098	1888.27	124.2	3.51	-0.16	0.0011	0.0421	23.86	0.486	15.851	3.1387	0.01129	-0.01219	-0.04211	0.00360	-0.00389	-0.01342	0.00255	0.00283	-0.00233
9099	1887.70	124.1	3.51	-0.17	0.0022	0.0408	23.99	0.486	15.975	3.1376	0.01725	-0.01252	-0.04231	0.00550	-0.00399	-0.01348	0.00446	0.00272	-0.00240
9100	1888.27	124.1	3.51	-0.17	0.0011	0.0421	24.11	0.486	16.102	3.1390	0.01599	-0.01340	-0.04511	0.00510	-0.00427	-0.01437	0.00405	0.00244	-0.00328
9101	1888.13	124.1	3.51	-0.15	0.0035	0.0397	24.24	0.487	16.218	3.1385	0.01425	-0.01517	-0.04875	0.00454	-0.00483	-0.01553	0.00350	0.00188	-0.00445
9102	1887.84	124.1	3.51	-0.15	0.0035	0.0397	24.36	0.487	16.339	3.1390	0.01178	-0.01611	-0.05187	0.00375	-0.00513	-0.01653	0.00271	0.00158	-0.00544
9103	1887.84	124.0	3.51	-0.16	0.0018	0.0443	24.49	0.486	16.470	3.1391	0.01109	-0.01643	-0.05222	0.00353	-0.00523	-0.01664	0.00249	0.00148	-0.00552
9104	1887.70	124.1	3.51	-0.16	-0.0002	0.0451	24.62	0.486	16.603	3.1385	0.00929	-0.01773	-0.05375	0.00296	-0.00565	-0.01713	0.00192	0.00106	-0.00604
9105	1888.13	124.0	3.51	-0.16	0.0022	0.0445	24.74	0.486	16.719	3.1391	0.00840	-0.01756	-0.05110	0.00268	-0.00559	-0.01628	0.00163	0.00112	-0.00519
9106	1888.13	124.2	3.51	-0.16	0.0008	0.0456	24.86	0.486	16.846	3.1397	0.00719	-0.01661	-0.04777	0.00229	-0.00529	-0.01521	0.00125	0.00142	-0.00413
9107	1888.13	124.3	3.51	-0.16	0.0005	0.0445	24.99	0.486	16.973	3.1389	0.00570	-0.01691	-0.03592	0.00182	-0.00539	-0.01144	0.00077	0.00132	-0.00036
9108	1888.42	124.1	3.51	-0.16	0.0035	0.0416	25.11	0.486	17.093	3.1397	0.00562	-0.01664	-0.02226	0.00179	-0.00530	-0.00709	0.00075	0.00141	0.00400
9109	1888.27	124.2	3.51	-0.16	0.0025	0.0391	25.24	0.486	17.226	3.1397	0.00578	-0.01728	-0.02164	0.00184	-0.00550	-0.00689	0.00080	0.00121	0.00420
9110	1888.13	124.1	3.51	-0.16	0.0025	0.0429	25.37	0.486	17.351	3.1395	0.00540	-0.01717	-0.02502	0.00172	-0.00547	-0.00797	0.00068	0.00124	0.00312
9111	1887.84	124.2	3.51	-0.17	-0.0002	0.0479	25.49	0.486	17.480	3.1383	0.00612	-0.01645	-0.03546	0.00195	-0.00524	-0.01130	0.00091	0.00147	-0.00021
9112	1887.98	124.1	3.51	-0.17	0.0011	0.0458	25.61	0.486	17.602	3.1393	0.00610	-0.01646	-0.04568	0.00194	-0.00524	-0.01455	0.00090	0.00147	-0.00346
9113	1888.13	124.2	3.51	-0.17	0.0008	0.0447	25.74	0.486	17.727	3.1380	0.00621	-0.01638	-0.05099	0.00198	-0.00522	-0.01625	0.00093	0.00149	-0.00516
9114	1887.84	124.2	3.51	-0.16	-0.0013	0.0454	25.87	0.486	17.853	3.1389	0.00562	-0.01781	-0.05348	0.00179	-0.00568	-0.01704	0.00075	0.00104	-0.00595
9115	1887.98	124.1	3.51	-0.16	0.0008	0.0438	25.99	0.486	17.970	3.1386	0.00604	-0.01704	-0.03946	0.00192	-0.00543	-0.01257	0.00088	0.00128	-0.00149
9116	1888.13	124.1	3.51	-0.16	-0.0016	0.0480	26.11	0.486	18.098	3.1387	0.00773	-0.01613	-0.02354	0.00246	-0.00514	-0.00750	0.00142	0.00157	0.00359
9117	1888.56	124.2	3.51	-0.16	-0.0040	0.0467	26.24	0.486	18.230	3.1396	0.00575	-0.01847	-0.02212	0.00183	-0.00588	-0.00704	0.00079	0.00083	0.00404
9118	1887.70	124.1	3.51	-0.16	-0.0037	0.0469	26.36	0.486	18.356	3.1383	0.00556	-0.01752	-0.02116	0.00177	-0.00558	-0.00674	0.00073	0.00113	0.00435
9119	1887.98	124.2	3.51	-0.16	-0.0023	0.0430	26.49	0.486	18.478	3.1378	0.00578	-0.01687	-0.02514	0.00184	-0.00537	-0.00801	0.00080	0.00134	0.00307
9120	1888.27	124.3	3.51	-0.16	0.0001	0.0397	26.61	0.486	18.600	3.1391	0.00527	-0.01739	-0.02782	0.00168	-0.00554	-0.00886	0.00064	0.00117	0.00222
9121	1887.98	124.3	3.51	-0.17	-0.0044	0.0484	26.74	0.485	18.737	3.1386	0.00469	-0.01710	-0.02956	0.00149	-0.00545	-0.00942	0.00045	0.00126	0.00167
9122	1887.84	124.2	3.51	-0.18	-0.0074	0.0476	26.86	0.485	18.869	3.1387	0.00430	-0.01847	-0.03144	0.00137	-0.00588	-0.01002	0.00033	0.00083	0.00107
9123	1888.27	124.0	3.51	-0.17	-0.0071	0.0515	26.99	0.485	18.992	3.1390	0.00354	-0.01800	-0.03150	0.00113	-0.00574	-0.01004	0.00008	0.00098	0.00105
9124	1888.13	124.0	3.51	-0.19	-0.0098	0.0519	27.12	0.484	19.130	3.1387	0.00522	-0.01763	-0.03233	0.00166	-0.00562	-0.01030	0.00062	0.00110	0.00079
9125	1887.98	124.0	3.51	-0.18	-0.0109	0.0513	27.24	0.484	19.252	3.1392	0.00304	-0.01698	-0.03076	0.00097	-0.00541	-0.00980	-0.00007	0.00130	0.00129
9126</																			

Table A12. Run 142.

Run = 142

M = 1.80

xsppos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9142	2019.89	124.3	3.51	0.27	0.0097	0.0068	17.49	1.184	-5.905	2.4874	-0.03886	-0.03125	-0.06108	-0.01562	-0.01256	-0.02456	-0.00020	0.00014	-0.00009
9143	2020.18	124.3	3.51	0.28	0.0097	0.0068	17.61	1.184	-5.783	2.4881	-0.03861	-0.03333	-0.06093	-0.01552	-0.01339	-0.02449	-0.00009	-0.00069	-0.00002
9144	2020.32	123.9	3.51	0.28	0.0094	0.0112	17.61	1.184	-5.784	2.4880	-0.03854	-0.03205	-0.06126	-0.01549	-0.01288	-0.02462	-0.00007	-0.00018	-0.00016
9145	2020.03	124.3	3.51	0.28	0.0091	0.0064	17.61	1.184	-5.788	2.4865	-0.03872	-0.03007	-0.06026	-0.01557	-0.01209	-0.02424	-0.00015	0.00061	0.00023
9146	2020.32	124.1	3.51	0.29	0.0097	0.0095	17.74	1.185	-5.669	2.4869	-0.03709	-0.03131	-0.06073	-0.01492	-0.01259	-0.02442	0.00051	0.00011	0.00005
9147	2020.18	124.0	3.51	0.28	0.0111	0.0084	17.86	1.184	-5.538	2.4881	-0.03961	-0.03312	-0.06158	-0.01592	-0.01331	-0.02475	-0.00050	-0.00061	-0.00029
9148	2020.03	124.1	3.51	0.30	0.0115	0.0123	17.99	1.185	-5.432	2.4874	-0.03900	-0.03147	-0.06070	-0.01568	-0.01265	-0.02440	-0.00025	0.00005	0.00006
9149	2019.60	124.2	3.51	0.28	0.0077	0.0149	18.11	1.184	-5.287	2.4861	-0.03809	-0.03025	-0.05988	-0.01532	-0.01217	-0.02409	0.00010	0.00054	0.00038
9150	2019.89	124.1	3.51	0.27	0.0084	0.0116	18.24	1.184	-5.157	2.4878	-0.03859	-0.03154	-0.06156	-0.01551	-0.01268	-0.02475	-0.00009	0.00003	-0.00028
9151	2020.18	124.2	3.51	0.27	0.0080	0.0133	18.36	1.184	-5.028	2.4878	-0.03855	-0.03104	-0.06058	-0.01550	-0.01248	-0.02435	-0.00007	0.00023	0.00011
9152	2019.74	124.1	3.51	0.28	0.0087	0.0108	18.49	1.184	-4.909	2.4870	-0.03808	-0.03088	-0.06095	-0.01531	-0.01242	-0.02451	0.00011	0.00029	-0.00004
9153	2020.03	124.0	3.51	0.28	0.0108	0.0110	18.61	1.185	-4.795	2.4866	-0.03757	-0.03075	-0.06031	-0.01511	-0.01237	-0.02425	0.00032	0.00034	0.00021
9154	2019.89	123.9	3.51	0.28	0.0080	0.0142	18.73	1.184	-4.659	2.4870	-0.03834	-0.03176	-0.06249	-0.01541	-0.01277	-0.02513	0.00001	-0.00007	-0.00066
9155	2020.46	123.9	3.51	0.29	0.0101	0.0088	18.86	1.185	-4.551	2.4880	-0.03921	-0.03301	-0.06124	-0.01576	-0.01327	-0.02461	-0.00033	-0.00056	-0.00015
9156	2019.89	124.0	3.51	0.28	0.0077	0.0112	18.98	1.184	-4.413	2.4874	-0.03851	-0.03211	-0.06144	-0.01548	-0.01291	-0.02470	-0.00006	-0.00020	-0.00023
9157	2020.18	124.0	3.51	0.29	0.0097	0.0123	19.11	1.185	-4.298	2.4872	-0.03858	-0.02987	-0.06094	-0.01551	-0.01201	-0.02450	-0.00009	0.00069	-0.00004
9158	2019.89	124.1	3.51	0.30	0.0104	0.0071	19.23	1.185	-4.185	2.4874	-0.03868	-0.03202	-0.06123	-0.01555	-0.01287	-0.02462	-0.00013	-0.00017	-0.00015
9159	2019.89	124.0	3.51	0.28	0.0104	0.0043	19.36	1.184	-4.037	2.4872	-0.03901	-0.03086	-0.06122	-0.01568	-0.01241	-0.02461	-0.00026	0.00030	-0.00015
9160	2020.18	123.8	3.51	0.29	0.0094	0.0038	19.49	1.185	-3.919	2.4866	-0.03700	-0.03000	-0.06094	-0.01548	-0.01223	-0.02410	0.00055	0.00047	0.00036
9161	2019.89	123.8	3.51	0.29	0.0118	0.0032	19.61	1.185	-3.800	2.4865	-0.03833	-0.02935	-0.06085	-0.01541	-0.01180	-0.02447	0.00001	0.00090	-0.00001
9162	2020.32	123.8	3.51	0.29	0.0094	0.0075	19.73	1.185	-3.676	2.4882	-0.03861	-0.03159	-0.06118	-0.01552	-0.01269	-0.02459	-0.00010	0.00001	-0.00012
9163	2020.18	124.1	3.51	0.28	0.0097	0.0068	19.86	1.185	-3.544	2.4873	-0.03789	-0.03061	-0.06047	-0.01523	-0.01230	-0.02431	0.00019	0.00040	0.00015
9164	2020.03	124.1	3.51	0.28	0.0094	0.0094	19.99	1.185	-3.417	2.4864	-0.03800	-0.03083	-0.06025	-0.01528	-0.01240	-0.02423	0.00014	0.00030	0.00023
9165	2019.74	124.1	3.51	0.29	0.0108	0.0073	20.11	1.185	-3.296	2.4871	-0.03843	-0.03214	-0.06146	-0.01545	-0.01292	-0.02471	-0.00003	-0.00022	-0.00025
9166	2020.18	124.0	3.51	0.28	0.0084	0.0097	20.23	1.185	-3.166	2.4880	-0.03912	-0.03070	-0.06238	-0.01572	-0.01234	-0.02507	-0.00030	0.00037	-0.00061
9167	2020.18	124.0	3.51	0.29	0.0104	0.0090	20.36	1.185	-3.044	2.4873	-0.03723	-0.02929	-0.06064	-0.01497	-0.01178	-0.02438	0.00045	0.00093	0.00009
9168	2019.89	124.0	3.51	0.29	0.0087	0.0127	20.49	1.185	-2.918	2.4873	-0.03900	-0.02630	-0.06176	-0.01568	-0.01057	-0.02483	-0.00026	0.00213	-0.00037
9169	2020.18	123.8	3.51	0.28	0.0073	0.0138	20.61	1.184	-2.791	2.4873	-0.03661	-0.02701	-0.05984	-0.01472	-0.01086	-0.02406	0.00070	0.00185	0.00041
9170	2019.31	123.8	3.51	0.29	0.0084	0.0125	20.73	1.185	-2.667	2.4868	-0.03578	-0.02987	-0.06082	-0.01439	-0.01201	-0.02446	0.00103	0.00070	0.00001
9171	2019.74	124.0	3.51	0.28	0.0077	0.0103	20.86	1.184	-2.536	2.4861	-0.03249	-0.03183	-0.06035	-0.01307	-0.01280	-0.02427	0.00235	-0.00010	0.00019
9172	2019.60	124.0	3.51	0.28	0.0084	0.0144	20.99	1.184	-2.405	2.4870	-0.03329	-0.03303	-0.06068	-0.01338	-0.01328	-0.02440	0.00204	-0.00057	0.00007
9173	2020.03	124.0	3.51	0.27	0.0073	0.0129	21.11	1.184	-2.282	2.4879	-0.03718	-0.03384	-0.06131	-0.01495	-0.01360	-0.02464	0.00048	-0.00090	-0.00018
9174	2019.60	124.1	3.51	0.30	0.0104	0.0127	21.24	1.185	-2.179	2.4875	-0.03868	-0.03199	-0.06102	-0.01555	-0.01286	-0.02453	-0.00012	-0.00015	-0.00007
9175	2020.32	124.1	3.51	0.28	0.0094	0.0140	21.36	1.184	-2.040	2.4873	-0.03885	-0.02792	-0.06040	-0.01562	-0.01123	-0.02428	-0.00020	0.00148	0.00018
9176	2020.18	123.9	3.51	0.28	0.0084	0.0153	21.49	1.184	-1.907	2.4870	-0.03868	-0.02219	-0.06039	-0.01555	-0.00892	-0.02428	-0.00013	0.00378	0.00018
9177	2020.18	123.8	3.51	0.28	0.0067	0.0172	21.61	1.184	-1.782	2.4870	-0.03611	-0.02110	-0.06093	-0.01452	-0.00848	-0.02450	0.00091	0.00422	-0.00003
9179	2019.60	123.9	3.51	0.27	0.0080	0.0105	21.90	1.184	-1.489	2.4860	-0.03001	-0.02537	-0.05984	-0.01207	-0.01021	-0.02407	0.00335	0.00250	0.00039
9180	2020.32	123.8	3.51	0.28	0.0097	0.0095	21.99	1.185	-1.417	2.4882	-0.02848	-0.03003	-0.06210	-0.01144	-0.01207	-0.02496	0.00398	0.00064	-0.00049
9181	2020.03	123.9	3.51	0.27	0.0067	0.0134	22.11	1.184	-1.274	2.4877	-0.03138	-0.03344	-0.06177	-0.01261	-0.01344	-0.02483	0.00281	-0.00074	-0.00036
9182	2020.18	123.9	3.51	0.27	0.0077	0.0140	22.23	1.184	-1.158	2.4866	-0.03146	-0.03324	-0.05934	-0.01265	-0.01337	-0.02386	0.00277	-0.00066	0.00060
9183	2019.89	124.2	3.51	0.27	0.0080	0.0114	22.36	1.184	-1.032	2.4866	-0.03555	-0.03306	-0.05762	-0.01430	-0.01329	-0.02317	0.00112	-0.00059	0.00129
9184	2019.74	124.1	3.51	0.27	0.0067	0.0088	22.48	1.184	-0.901	2.4865	-0.03910	-0.02714	-0.05685	-0.01573	-0.01091	-0.02286	-0.00030	0.00179	0.00160
9185	2020.03	124.3	3.51	0.28	0.0097	0.0058	22.61	1.184	-0.787	2.4860	-0.04071	-0.02094	-0.05736	-0.01637	-0.00842	-0.02307	-0.00095	0.00428	0.00139
9186	2019.89	124.3	3.51	0.27	0.0080	0.0105	22.73	1.184	-0.654	2.4867	-0.04081	-0.01817	-0.05896	-0.01641	-0.00731	-0.02371	-0.00099	0.00540	0.00075
9187	2019.89	124.2	3.51	0.29	0.0097	0.0086	22.86	1.185	-0.547	2.4864	-0.03572	-0.01736	-0.06185	-0.01437	-0.00698	-0.02488	0.00106	0.00572	-0.00041
9188	2020.18	124.1	3.51	0.28	0.0097	0.0077	22.98	1.185	-0.417	2.4867	-0.02781	-0.02071	-0.06276	-0.01119	-0.00833	-0.02524	0.00424	0.00438	-0.00077
9189	2019.89	124.2	3.51	0.28	0.0094	0.0084	23.11	1.184	-0.289	2.4864	-0.02562	-0.02418	-0.06031	-0.01030	-0.00972	-0.02425	0.00512	0.00298	0.00021
9190	2019.89	124.4	3.51	0.27	0.0097	0.0114	23.24	1.184	-0.150	2.4865	-0.02491	-0.02815	-0.05953	-0.01002	-0.01132	-0.02394	0.00541	0.00138	0.00052
9191	2020.18	124.2	3.51	0.28	0.0111	0.0112	23.36	1.184	-0.038	2.4882	-0.02794	-0.03231	-0.05899	-0.01123	-0.01299	-0.02371	0.00419	-0.00028	0.00076
9192	2020.03	124.6	3.50	0.29	0.0094	0.0131	23.48	1.185	0.078	2.4872	-0.03163	-0.03366	-0.05242	-0.01272	-0.01354	-0.02108	0.00271	-0.00083	0.00339
9193	2020.03	124.4	3.51	0.28	0.0077	0.0112	23.61	1.184	0.218	2.4871	-0.03684	-0.02910	-0.05343	-0.01481	-0.01170	-0.02148	0.00061	0.00100	0.00298
9194	2020.18	124.3	3.51	0.27	0.0067	0.0153	23.73	1.184	0.351	2.4869	-0.03921	-0.01925	-0.05368	-0.01577	-0.00774	-0.02158	-0.00034	0.00497	0.00288
9195	2020.03	124.3	3.51	0.28	0.0091	0.0148	23.86	1.184	0.460	2.4878	-0.04055	-0.01817	-0.05738	-0.01630	-0.00730	-0.02307	-0.00087	0.00540	0.00140
9196	2020.03	124.0	3.51	0.27	0.0091														

Table A12. Continued.

Run = 142

M = 1.80

xsppos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9216	2020.03	123.8	3.51	0.28	0.0101	0.0032	26.49	1.184	3.093	2.4876	-0.02722	-0.01943	-0.05919	-0.01094	-0.00781	-0.02379	0.00448	0.00489	0.00067
9217	2019.74	124.0	3.51	0.27	0.0098	0.0058	26.61	1.184	3.215	2.4862	-0.02478	-0.01828	-0.05429	-0.00997	-0.00735	-0.02184	0.00546	0.00535	0.00263
9218	2020.18	124.1	3.51	0.27	0.0108	0.0017	26.74	1.184	3.345	2.4868	-0.02462	-0.01759	-0.05025	-0.00990	-0.00707	-0.02021	0.00552	0.00563	0.00426
9219	2019.74	124.0	3.51	0.28	0.0101	0.0014	26.86	1.184	3.460	2.4866	-0.02461	-0.01745	-0.04720	-0.00990	-0.00702	-0.01898	0.00553	0.00569	0.00548
9220	2019.74	123.9	3.51	0.27	0.0098	0.0030	26.99	1.184	3.597	2.4859	-0.02491	-0.01613	-0.04642	-0.01002	-0.00649	-0.01867	0.00540	0.00621	0.00579
9221	2019.46	124.1	3.51	0.28	0.0104	0.0025	27.11	1.184	3.711	2.4861	-0.02375	-0.01567	-0.04807	-0.00955	-0.00630	-0.01934	0.00587	0.00640	0.00513
9222	2020.18	124.0	3.51	0.27	0.0091	0.0017	27.24	1.184	3.853	2.4865	-0.02226	-0.01519	-0.04776	-0.00895	-0.00611	-0.01921	0.00647	0.00660	0.00526
9223	2020.46	124.1	3.51	0.27	0.0115	0.0040	27.36	1.184	3.971	2.4873	-0.02298	-0.01495	-0.04919	-0.00924	-0.00601	-0.01977	0.00618	0.00669	0.00469
9224	2019.74	124.0	3.51	0.28	0.0101	0.0032	27.49	1.184	4.089	2.4863	-0.02054	-0.01455	-0.04917	-0.00826	-0.00585	-0.01978	0.00716	0.00685	0.00469
9225	2019.89	123.8	3.51	0.27	0.0094	0.0047	27.61	1.184	4.223	2.4860	-0.02040	-0.01617	-0.04880	-0.00821	-0.00650	-0.01963	0.00722	0.00620	0.00483
9226	2019.74	123.9	3.51	0.26	0.0101	0.0042	27.74	1.184	4.354	2.4857	-0.01907	-0.01524	-0.04918	-0.00767	-0.00613	-0.01979	0.00775	0.00657	0.00468
9227	2019.89	123.8	3.51	0.28	0.0104	0.0043	27.86	1.184	4.464	2.4873	-0.02059	-0.01892	-0.05010	-0.00828	-0.00761	-0.02014	0.00714	0.00510	0.00432
9228	2020.18	123.9	3.51	0.27	0.0080	0.0030	27.99	1.184	4.604	2.4866	-0.02272	-0.01724	-0.04985	-0.00914	-0.00693	-0.02005	0.00629	0.00577	0.00442
9229	2019.74	123.8	3.51	0.27	0.0098	0.0040	28.11	1.184	4.722	2.4854	-0.02265	-0.01418	-0.04801	-0.00911	-0.00571	-0.01932	0.00631	0.00700	0.00515
9230	2020.18	123.9	3.51	0.27	0.0111	0.0029	28.24	1.184	4.845	2.4862	-0.02279	-0.01248	-0.04909	-0.00917	-0.00502	-0.01975	0.00626	0.00789	0.00472
9231	2019.74	124.0	3.51	0.27	0.0087	0.0071	28.36	1.184	4.976	2.4856	-0.02171	-0.00949	-0.04787	-0.00873	-0.00382	-0.01926	0.00669	0.00669	0.00521
9232	2020.03	124.1	3.51	0.26	0.0094	0.0056	28.49	1.184	5.102	2.4861	-0.01993	-0.00993	-0.04870	-0.00802	-0.00399	-0.01959	0.00741	0.00871	0.00488
9233	2020.18	124.0	3.51	0.28	0.0087	0.0090	28.61	1.184	5.212	2.4858	-0.01721	-0.00964	-0.04725	-0.00692	-0.00388	-0.01901	0.00850	0.00883	0.00545
9234	2019.89	124.1	3.51	0.27	0.0091	0.0064	28.74	1.184	5.353	2.4870	-0.01692	-0.01233	-0.04838	-0.00680	-0.00496	-0.01945	0.00862	0.00775	0.00501
9235	2020.03	124.1	3.51	0.26	0.0070	0.0090	28.86	1.183	5.477	2.4871	-0.01683	-0.01359	-0.04795	-0.00677	-0.00547	-0.01928	0.00866	0.00724	0.00518
9236	2019.89	124.0	3.51	0.28	0.0108	0.0064	28.98	1.184	5.588	2.4863	-0.01459	-0.01266	-0.04752	-0.00587	-0.00509	-0.01911	0.00956	0.00761	0.00535
9237	2020.03	124.0	3.51	0.27	0.0101	0.0079	29.11	1.184	5.720	2.4866	-0.02272	-0.01156	-0.04682	-0.00693	-0.00465	-0.01883	0.00849	0.00806	0.00564
9238	2020.03	124.0	3.51	0.27	0.0111	0.0094	29.23	1.184	5.842	2.4867	-0.01813	-0.01292	-0.04585	-0.00729	-0.00519	-0.01844	0.00813	0.00751	0.00603
9239	2020.18	124.1	3.51	0.28	0.0094	0.0084	29.36	1.185	5.959	2.4873	-0.01832	-0.01398	-0.04602	-0.00736	-0.00562	-0.01850	0.00806	0.00708	0.00596
9240	2019.74	124.3	3.51	0.27	0.0108	0.0055	29.49	1.184	6.090	2.4855	-0.01649	-0.01067	-0.04567	-0.00663	-0.00429	-0.01838	0.00879	0.00841	0.00609
9241	2019.89	124.2	3.51	0.27	0.0056	0.0110	29.61	1.184	6.231	2.4853	-0.01724	-0.00907	-0.04585	-0.00694	-0.00365	-0.01845	0.00849	0.00905	0.00601
9242	2020.03	124.1	3.51	0.28	0.0087	0.0062	29.74	1.184	6.336	2.4888	-0.01979	-0.00866	-0.05056	-0.00795	-0.00348	-0.02031	0.00747	0.00922	0.00415
9243	2019.60	124.2	3.51	0.28	0.0108	0.0027	29.86	1.185	6.457	2.4849	-0.01401	-0.00368	-0.04667	-0.00564	-0.00148	-0.01878	0.00978	0.01122	0.00568
9244	2019.60	124.1	3.51	0.28	0.0087	0.0043	29.99	1.184	6.593	2.4854	-0.01383	-0.00440	-0.04487	-0.00556	-0.00177	-0.01805	0.00986	0.01093	0.00641
9245	2020.03	123.8	3.51	0.28	0.0098	0.0049	30.11	1.184	6.719	2.4863	-0.01208	-0.00449	-0.04275	-0.00486	-0.00181	-0.01719	0.01056	0.01090	0.00727
9246	2020.46	123.8	3.51	0.28	0.0118	0.0023	30.24	1.185	6.836	2.4871	-0.01074	-0.00352	-0.04079	-0.00432	-0.00142	-0.01640	0.01110	0.01129	0.00807
9247	2019.89	123.9	3.51	0.28	0.0094	0.0038	30.36	1.184	6.969	2.4860	-0.00987	-0.00223	-0.04006	-0.00397	-0.00090	-0.01611	0.01145	0.01181	0.00835
9248	2020.03	124.0	3.51	0.28	0.0104	0.0025	30.48	1.185	7.081	2.4871	-0.00946	-0.00134	-0.04138	-0.00380	-0.00054	-0.01664	0.01162	0.01216	0.00783
9249	2020.32	123.9	3.51	0.28	0.0111	0.0029	30.68	1.184	7.283	2.4870	-0.00897	-0.00107	-0.04214	-0.00361	-0.00043	-0.01694	0.01182	0.01228	0.00752
9250	2019.74	123.7	3.51	0.27	0.0098	0.0040	30.74	1.184	7.344	2.4853	-0.00829	-0.00069	-0.04117	-0.00334	-0.00028	-0.01656	0.01209	0.01243	0.00790
9251	2019.89	124.0	3.51	0.28	0.0104	0.0034	30.86	1.184	7.463	2.4865	-0.00773	-0.00063	-0.04042	-0.00311	-0.00025	-0.01626	0.01231	0.01245	0.00821
9252	2020.18	124.0	3.51	0.28	0.0094	0.0047	30.99	1.184	7.594	2.4881	-0.01120	-0.00335	-0.04375	-0.00450	-0.00135	-0.01758	0.01092	0.01136	0.00688
9253	2019.60	124.2	3.51	0.27	0.0108	0.0055	31.11	1.184	7.723	2.4851	-0.00543	-0.00035	-0.04195	-0.00218	-0.00014	-0.01688	0.01324	0.01256	0.00758
9254	2019.89	124.1	3.51	0.27	0.0108	0.0017	31.23	1.184	7.845	2.4878	-0.00730	-0.00560	-0.04240	-0.00293	-0.00225	-0.01704	0.01249	0.01046	0.00742
9255	2020.18	123.9	3.51	0.29	0.0125	0.0083	31.36	1.185	7.954	2.4865	-0.00451	-0.00480	-0.03879	-0.00181	-0.00193	-0.01560	0.01361	0.01077	0.00886
9256	2020.03	123.9	3.51	0.27	0.0097	0.0086	31.48	1.184	8.094	2.4858	-0.00698	-0.00840	-0.03825	-0.00281	-0.00338	-0.01539	0.01262	0.00933	0.00908
9257	2019.74	123.7	3.51	0.27	0.0094	0.0084	31.61	1.184	8.218	2.4871	-0.01089	-0.01226	-0.03690	-0.00438	-0.00493	-0.01483	0.01104	0.00778	0.00963
9258	2019.89	123.9	3.51	0.27	0.0111	0.0056	31.74	1.184	8.344	2.4877	-0.01355	-0.01531	-0.03838	-0.00545	-0.00615	-0.01543	0.00998	0.00655	0.00904
9259	2020.18	124.1	3.51	0.27	0.0097	0.0105	31.86	1.184	8.472	2.4871	-0.01615	-0.01576	-0.03620	-0.00650	-0.00634	-0.01456	0.00893	0.00637	0.00991
9260	2020.46	124.0	3.51	0.27	0.0101	0.0069	31.99	1.184	8.601	2.4867	-0.01801	-0.01609	-0.03612	-0.00724	-0.00647	-0.01453	0.00818	0.00623	0.00994
9261	2020.46	124.1	3.51	0.28	0.0115	0.0068	32.11	1.184	8.714	2.4870	-0.02108	-0.01918	-0.03615	-0.00848	-0.00771	-0.01453	0.00695	0.00499	0.00993
9262	2019.89	124.1	3.51	0.29	0.0125	0.0064	32.24	1.185	8.830	2.4868	-0.02235	-0.02286	-0.03559	-0.00899	-0.00919	-0.01431	0.00643	0.00351	0.01015
9263	2019.74	124.2	3.51	0.28	0.0097	0.0068	32.36	1.184	8.962	2.4866	-0.02627	-0.02984	-0.03631	-0.01056	-0.01200	-0.01460	0.00486	0.00070	0.00986
9264	2020.03	124.1	3.51	0.27	0.0070	0.0080	32.49	1.184	9.099	2.4870	-0.02992	-0.03592	-0.03793	-0.01203	-0.01420	-0.01525	0.00339	0.00150	0.00921
9265	2020.61	124.0	3.51	0.28	0.0111	0.0056	32.61	1.184	9.211	2.4866	-0.03082	-0.03822	-0.03391	-0.01240	-0.01537	-0.01364	0.00303	-0.00267	0.01083
9266	2020.75	124.1	3.51	0.28	0.0115	0.0077	32.74	1.184	9.342	2.4874	-0.03690	-0.04618	-0.03333	-0.01484	-0.01857	-0.01340	0.00059	-0.00586	0.01107
9267	2019.89	124.1	3.51	0.27	0.0087	0.0053	32.86	1.184	9.467	2.4869	-0.04304	-0.05159	-0.03633	-0.01731	-0.02074	-0.01461	-0.00188	-0.00804	0.00985
9268	2019.74	124.1	3.51	0.27	0.0115	0.0077	32.99	1.184	9.597	2.4861	-0.04666	-0.05567	-0.03529	-0.01877	-0.02239	-0.01419	-0.00334	-0.00969	0.01027
9269	2019.89	123.9	3.51	0.28	0.0084														

Table A12. Concluded.

Run = 142

M = 1.80

xsppos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9289	2020.03	124.2	3.51	0.28	0.0084	0.0014	35.61	1.185	12.211	2.4864	-0.04595	-0.03529	-0.08975	-0.01848	-0.01419	-0.03609	-0.00306	-0.00149	-0.01163
9290	2020.03	124.1	3.51	0.27	0.0084	0.0032	35.74	1.184	12.349	2.4859	-0.04289	-0.03357	-0.08224	-0.01725	-0.01350	-0.03308	-0.00183	-0.00080	-0.00862
9291	2020.03	124.0	3.51	0.27	0.0101	0.0004	35.86	1.184	12.471	2.4861	-0.04100	-0.03195	-0.08029	-0.01649	-0.01285	-0.03230	-0.00107	-0.00015	-0.00783
9292	2020.18	123.9	3.51	0.28	0.0087	0.0025	35.99	1.184	12.593	2.4864	-0.04022	-0.03121	-0.08029	-0.01618	-0.01255	-0.03229	-0.00075	0.00015	-0.00783
9293	2020.18	124.0	3.51	0.26	0.0060	0.0075	36.11	1.183	12.732	2.4864	-0.03944	-0.03022	-0.07698	-0.01586	-0.01216	-0.03096	-0.00044	0.00055	-0.00650
9294	2020.32	124.1	3.51	0.27	0.0098	0.0040	36.23	1.184	12.847	2.4872	-0.04033	-0.03087	-0.07575	-0.01622	-0.01241	-0.03045	-0.00079	0.00029	-0.00599
9295	2019.89	124.0	3.51	0.27	0.0084	0.0023	36.36	1.184	12.973	2.4873	-0.03929	-0.03160	-0.07305	-0.01580	-0.01271	-0.02937	-0.00037	0.00000	-0.00490
9296	2019.89	123.9	3.51	0.26	0.0077	0.0056	36.49	1.184	13.103	2.4862	-0.03858	-0.03174	-0.06696	-0.01552	-0.01277	-0.02693	-0.00009	-0.00006	-0.00247
9297	2020.03	124.0	3.51	0.27	0.0080	0.0067	36.61	1.184	13.226	2.4864	-0.03914	-0.03267	-0.06541	-0.01574	-0.01314	-0.02631	-0.00032	-0.00043	-0.00184
9298	2020.18	124.1	3.51	0.26	0.0060	0.0084	36.74	1.183	13.359	2.4864	-0.03768	-0.03279	-0.06258	-0.01515	-0.01319	-0.02517	0.00027	-0.00048	-0.00071
9299	2019.74	124.1	3.51	0.28	0.0101	0.0032	36.86	1.184	13.463	2.4860	-0.03757	-0.03492	-0.06377	-0.01511	-0.01405	-0.02565	0.00031	-0.00134	-0.00119
9300	2020.03	123.9	3.51	0.27	0.0091	0.0092	36.98	1.184	13.592	2.4862	-0.03868	-0.03619	-0.06400	-0.01556	-0.01455	-0.02574	-0.00013	-0.00185	-0.00128
9301	2019.89	123.9	3.51	0.26	0.0046	0.0095	37.11	1.183	13.736	2.4864	-0.03998	-0.03767	-0.06430	-0.01608	-0.01515	-0.02586	-0.00066	-0.00245	-0.00140
9302	2020.18	123.9	3.51	0.27	0.0077	0.0075	37.24	1.184	13.851	2.4865	-0.04066	-0.03907	-0.06511	-0.01635	-0.01571	-0.02619	-0.00093	-0.00301	-0.00172
9303	2020.18	123.8	3.51	0.26	0.0077	0.0075	37.36	1.183	13.980	2.4866	-0.04303	-0.03960	-0.06423	-0.01731	-0.01593	-0.02583	-0.00188	-0.00322	-0.00137
9304	2020.03	123.9	3.51	0.26	0.0091	0.0082	37.48	1.183	14.103	2.4867	-0.04362	-0.03998	-0.06619	-0.01754	-0.01608	-0.02662	-0.00212	-0.00337	-0.00215
9305	2019.89	124.1	3.51	0.27	0.0101	0.0023	37.61	1.184	14.217	2.4865	-0.04565	-0.03724	-0.06733	-0.01836	-0.01498	-0.02708	-0.00294	-0.00227	-0.00262
9306	2019.89	124.2	3.51	0.28	0.0091	0.0036	37.74	1.184	14.337	2.4871	-0.04674	-0.03189	-0.06715	-0.01879	-0.01282	-0.02700	-0.00337	-0.00012	-0.00253
9307	2019.89	124.1	3.51	0.27	0.0084	0.0051	37.86	1.184	14.474	2.4872	-0.04470	-0.03015	-0.06479	-0.01797	-0.01212	-0.02677	-0.00255	0.00058	-0.00630
9308	2020.32	124.1	3.51	0.28	0.0084	0.0069	37.99	1.184	14.592	2.4874	-0.04159	-0.03025	-0.06684	-0.01672	-0.01216	-0.02687	-0.00130	0.00054	-0.00241
9309	2020.03	123.8	3.51	0.27	0.0080	0.0058	38.11	1.184	14.725	2.4871	-0.03643	-0.03229	-0.06755	-0.01465	-0.01298	-0.02716	0.00078	-0.00028	-0.00269
9310	2020.18	123.8	3.51	0.26	0.0087	0.0099	38.24	1.183	14.855	2.4868	-0.03442	-0.03381	-0.06670	-0.01384	-0.01359	-0.02682	0.00158	-0.00089	-0.00236
9311	2020.46	123.6	3.51	0.28	0.0084	0.0088	38.36	1.184	14.969	2.4866	-0.03516	-0.03688	-0.06624	-0.01414	-0.01483	-0.02664	0.00128	-0.00213	-0.00217
9312	2019.74	123.8	3.51	0.28	0.0087	0.0071	38.49	1.184	15.094	2.4864	-0.03755	-0.03875	-0.06537	-0.01510	-0.01558	-0.02629	0.00032	-0.00288	-0.00182
9313	2019.89	124.1	3.51	0.27	0.0094	0.0056	38.61	1.184	15.223	2.4865	-0.04120	-0.03671	-0.06649	-0.01657	-0.01476	-0.02674	-0.00115	-0.00206	-0.00268
9314	2020.18	123.9	3.51	0.27	0.0087	0.0071	38.74	1.184	15.348	2.4868	-0.04467	-0.03598	-0.06779	-0.01796	-0.01447	-0.02726	-0.00254	-0.00176	-0.00280
9315	2019.89	124.1	3.51	0.27	0.0080	0.0067	38.86	1.184	15.475	2.4872	-0.04723	-0.03030	-0.06907	-0.01899	-0.01218	-0.02777	-0.00356	0.00052	-0.00331
9316	2020.03	124.0	3.51	0.27	0.0084	0.0041	38.99	1.184	15.599	2.4873	-0.04412	-0.02751	-0.07047	-0.01774	-0.01106	-0.02833	-0.00232	0.00164	-0.00387
9317	2019.74	123.8	3.51	0.27	0.0080	0.0077	39.11	1.184	15.724	2.4867	-0.04016	-0.02765	-0.07155	-0.01615	-0.01112	-0.02877	-0.00073	0.00159	-0.00431
9318	2020.03	124.1	3.51	0.28	0.0097	0.0095	39.23	1.184	15.835	2.4865	-0.03743	-0.02634	-0.07197	-0.01505	-0.01059	-0.02895	0.00037	0.00211	-0.00448
9319	2020.32	124.1	3.51	0.27	0.0084	0.0079	39.36	1.184	15.973	2.4878	-0.03405	-0.02730	-0.06998	-0.01369	-0.01097	-0.02813	0.00174	0.00173	-0.00366
9320	2020.32	124.0	3.51	0.27	0.0101	0.0079	39.49	1.184	16.097	2.4874	-0.03279	-0.02657	-0.06675	-0.01318	-0.01068	-0.02684	0.00224	0.00202	-0.00237
9321	2019.60	124.2	3.51	0.27	0.0060	0.0084	39.61	1.184	16.229	2.4866	-0.03306	-0.02795	-0.06009	-0.01330	-0.01124	-0.02417	0.00213	0.00146	0.00030
9322	2020.32	124.2	3.51	0.27	0.0063	0.0086	39.74	1.184	16.346	2.4877	-0.03437	-0.02818	-0.05839	-0.01382	-0.01133	-0.02347	0.00161	0.00138	0.00099
9323	2019.60	124.1	3.51	0.27	0.0073	0.0101	39.86	1.184	16.472	2.4866	-0.03490	-0.02936	-0.05968	-0.01404	-0.01181	-0.02400	0.00139	0.00090	0.00046
9324	2020.18	124.1	3.51	0.26	0.0080	0.0067	39.99	1.183	16.609	2.4867	-0.03451	-0.02884	-0.06289	-0.01388	-0.01160	-0.02529	0.00155	0.00111	-0.00082
9325	2020.18	124.1	3.51	0.27	0.0094	0.0056	40.11	1.184	16.722	2.4870	-0.03449	-0.02906	-0.06511	-0.01387	-0.01168	-0.02618	0.00155	0.00102	-0.00172
9326	2020.03	124.1	3.51	0.28	0.0091	0.0036	40.24	1.184	16.841	2.4855	-0.03302	-0.02846	-0.06780	-0.01328	-0.01145	-0.02728	0.00214	0.00125	-0.00281
9327	2019.89	124.1	3.51	0.30	0.0094	0.0056	40.36	1.185	16.947	2.4866	-0.03520	-0.02910	-0.07100	-0.01416	-0.01170	-0.02855	0.00127	0.00100	-0.00409
9328	2019.89	124.0	3.51	0.27	0.0056	0.0091	40.49	1.184	17.098	2.4868	-0.03619	-0.02986	-0.07046	-0.01455	-0.01201	-0.02833	0.00087	0.00070	-0.00387
9329	2020.32	124.0	3.51	0.28	0.0070	0.0062	40.61	1.184	17.216	2.4874	-0.03609	-0.03188	-0.06665	-0.01451	-0.01281	-0.02679	0.00091	-0.00011	-0.00233
9330	2019.60	124.2	3.51	0.26	0.0046	0.0086	40.73	1.183	17.364	2.4873	-0.03808	-0.03074	-0.06054	-0.01531	-0.01236	-0.02434	0.00012	0.00035	0.00013
9331	2019.74	124.0	3.51	0.27	0.0091	0.0055	40.86	1.184	17.474	2.4862	-0.03621	-0.03024	-0.05715	-0.01457	-0.01216	-0.02299	0.00086	0.00054	0.00148
9332	2020.03	123.8	3.51	0.27	0.0073	0.0101	40.99	1.184	17.600	2.4866	-0.03565	-0.02949	-0.05684	-0.01433	-0.01186	-0.02286	0.00109	0.00085	0.00161
9333	2019.74	123.9	3.51	0.26	0.0074	0.0054	41.11	1.183	17.733	2.4866	-0.03580	-0.02958	-0.05609	-0.01440	-0.01190	-0.02256	0.00103	0.00081	0.00191
9334	2020.18	124.0	3.51	0.27	0.0067	0.0060	41.24	1.184	17.852	2.4864	-0.03479	-0.02922	-0.05663	-0.01399	-0.01175	-0.02278	0.00143	0.00095	0.00169
9335	2020.18	123.9	3.51	0.27	0.0080	0.0002	41.36	1.184	17.966	2.4859	-0.03450	-0.02737	-0.05640	-0.01388	-0.01101	-0.02269	0.00155	0.00169	0.00178
9336	2020.18	124.2	3.51	0.27	0.0060	0.0047	41.49	1.183	18.105	2.4872	-0.03648	-0.02931	-0.05834	-0.01467	-0.01179	-0.02346	0.00075	0.00092	0.00101
9337	2020.18	124.1	3.51	0.27	0.0070	0.0025	41.61	1.184	18.221	2.4867	-0.03546	-0.02957	-0.05807	-0.01426	-0.01189	-0.02335	0.00116	0.00081	0.00111
9338	2020.32	124.1	3.51	0.27	0.0084	0.0032	41.73	1.184	18.343	2.4878	-0.03596	-0.03058	-0.06037	-0.01446	-0.01229	-0.02427	0.00097	0.00041	0.00020
9339	2020.03	123.9	3.51	0.27	0.0080	0.0012	41.86	1.184	18.472	2.4871	-0.03621	-0.02946	-0.05954	-0.01456	-0.01184	-0.02394	0.00086	0.00086	0.00053
9340	2020.32	123.9	3.51	0.26	0.0063	0.0077	41.98	1.183	18.609	2.4865	-0.03534	-0.02841	-0.05906	-0.01421	-0.01143	-0.02375	0.00121	0.00128	0.00071
9341	2019.60	124.1	3.51	0.28	0.0080	0.0058	42.11	1.184	18.715	2.4866	-0.03699	-0.02881	-0.06051	-0.01488	-0.01159	-0.02433	0.00055	0.00112	0.00013
9342</																			

Table A13. Run 143.

Run = 143
M = 1.80
xsppos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9362	2020.03	124.1	3.51	0.64	0.0269	-0.0043	17.49	1.192	-6.057	2.4878	-0.03902	-0.03324	-0.06185	-0.01568	-0.01336	-0.02486	-0.00022	-0.00073	-0.00047
9363	2019.89	124.1	3.51	0.63	0.0276	-0.0058	17.61	1.191	-5.924	2.4872	-0.03762	-0.03245	-0.06089	-0.01513	-0.01305	-0.02448	0.00034	-0.00041	-0.00009
9364	2020.18	124.0	3.51	0.63	0.0276	-0.0021	17.74	1.191	-5.798	2.4866	-0.03824	-0.03127	-0.06048	-0.01538	-0.01258	-0.02432	0.00008	0.00006	0.00007
9365	2019.89	124.1	3.51	0.62	0.0238	0.0014	17.86	1.191	-5.663	2.4859	-0.03860	-0.02998	-0.05965	-0.01553	-0.01206	-0.02399	-0.00006	0.00058	0.00040
9366	2019.74	123.9	3.51	0.63	0.0262	-0.0038	17.86	1.191	-5.674	2.4863	-0.03880	-0.03015	-0.06042	-0.01561	-0.01213	-0.02430	-0.00014	0.00051	0.00009
9367	2020.32	123.8	3.51	0.63	0.0262	-0.0019	17.99	1.191	-5.543	2.4878	-0.03875	-0.03261	-0.06186	-0.01558	-0.01311	-0.02486	-0.00011	-0.00047	-0.00047
9368	2020.03	124.2	3.51	0.63	0.0255	0.0005	18.11	1.191	-5.420	2.4871	-0.03895	-0.03169	-0.06150	-0.01566	-0.01274	-0.02473	-0.00020	-0.00011	-0.00033
9369	2019.89	124.1	3.51	0.63	0.0245	0.0037	18.24	1.191	-5.292	2.4874	-0.03864	-0.03247	-0.06196	-0.01553	-0.01305	-0.02491	-0.00007	-0.00042	-0.00052
9370	2019.89	124.0	3.51	0.64	0.0238	0.0061	18.36	1.191	-5.174	2.4868	-0.03926	-0.03198	-0.06136	-0.01579	-0.01286	-0.02467	-0.00032	-0.00023	-0.00028
9371	2020.32	123.7	3.51	0.63	0.0245	0.0018	18.49	1.191	-5.044	2.4865	-0.03960	-0.03001	-0.06086	-0.01593	-0.01207	-0.02447	-0.00046	0.00057	-0.00008
9372	2020.18	123.8	3.51	0.63	0.0245	-0.0010	18.61	1.191	-4.921	2.4875	-0.03897	-0.03178	-0.06122	-0.01566	-0.01278	-0.02461	-0.00020	-0.00014	-0.00022
9373	2020.18	123.9	3.51	0.63	0.0265	-0.0017	18.74	1.191	-4.798	2.4867	-0.03749	-0.03093	-0.06098	-0.01508	-0.01244	-0.02452	0.00039	0.00020	-0.00013
9374	2020.18	123.9	3.51	0.63	0.0241	-0.0002	18.86	1.191	-4.669	2.4861	-0.03770	-0.03027	-0.06025	-0.01516	-0.01218	-0.02424	0.00030	0.00046	0.00016
9375	2020.32	123.9	3.51	0.63	0.0245	-0.0028	18.99	1.191	-4.546	2.4873	-0.03859	-0.03198	-0.06086	-0.01551	-0.01286	-0.02447	-0.00005	-0.00022	-0.00008
9376	2019.89	123.9	3.51	0.63	0.0269	-0.0015	19.11	1.191	-4.421	2.4872	-0.03808	-0.03279	-0.06184	-0.01531	-0.01318	-0.02486	0.00015	-0.00055	-0.00047
9377	2019.89	124.0	3.51	0.62	0.0276	-0.0058	19.24	1.191	-4.293	2.4880	-0.03936	-0.03252	-0.06299	-0.01582	-0.01307	-0.02532	-0.00035	-0.00044	-0.00092
9378	2019.74	123.9	3.51	0.63	0.0228	-0.0047	19.36	1.191	-4.166	2.4870	-0.03862	-0.03183	-0.06136	-0.01553	-0.01280	-0.02467	-0.00006	-0.00017	-0.00028
9379	2020.03	124.1	3.51	0.63	0.0259	-0.0039	19.49	1.191	-4.049	2.4870	-0.03865	-0.03139	-0.06108	-0.01554	-0.01262	-0.02456	-0.00008	0.00001	-0.00017
9380	2020.03	124.0	3.51	0.63	0.0259	-0.0058	19.61	1.191	-3.921	2.4865	-0.03865	-0.02954	-0.06080	-0.01554	-0.01188	-0.02445	-0.00008	0.00075	-0.00006
9381	2019.89	124.1	3.51	0.62	0.0265	-0.0036	19.73	1.191	-3.793	2.4881	-0.03888	-0.03221	-0.06203	-0.01563	-0.01294	-0.02493	-0.00016	-0.00031	-0.00054
9382	2020.46	124.1	3.51	0.63	0.0262	-0.0047	19.86	1.191	-3.669	2.4879	-0.03856	-0.03157	-0.06186	-0.01550	-0.01269	-0.02486	-0.00003	-0.00006	-0.00047
9383	2019.60	124.0	3.51	0.63	0.0255	-0.0051	19.99	1.191	-3.548	2.4870	-0.03794	-0.03249	-0.06178	-0.01526	-0.01269	-0.02484	0.00021	-0.00043	-0.00045
9384	2019.74	124.0	3.51	0.63	0.0272	-0.0032	20.11	1.191	-3.426	2.4862	-0.03726	-0.03106	-0.05987	-0.01499	-0.01249	-0.02408	0.00048	0.00014	0.00031
9385	2020.32	124.0	3.51	0.63	0.0248	0.0002	20.24	1.191	-3.290	2.4871	-0.03832	-0.03162	-0.06011	-0.01541	-0.01271	-0.02417	0.00006	-0.00008	0.00022
9386	2020.32	124.0	3.51	0.62	0.0248	0.0002	20.36	1.191	-3.161	2.4874	-0.03826	-0.03097	-0.06077	-0.01538	-0.01245	-0.02443	0.00008	0.00018	-0.00004
9387	2020.18	123.9	3.51	0.63	0.0241	0.0035	20.48	1.191	-3.046	2.4866	-0.03739	-0.02811	-0.06064	-0.01503	-0.01131	-0.02439	0.00043	0.00133	0.00001
9388	2020.18	124.0	3.51	0.63	0.0252	0.0041	20.61	1.191	-2.916	2.4860	-0.03655	-0.02504	-0.05945	-0.01470	-0.01007	-0.02392	0.00076	0.00256	0.00048
9389	2019.46	123.9	3.51	0.63	0.0241	0.0007	20.73	1.191	-2.795	2.4872	-0.03790	-0.02893	-0.06186	-0.01524	-0.01163	-0.02487	0.00023	0.00100	-0.00048
9390	2019.46	123.8	3.51	0.62	0.0262	0.0009	20.86	1.191	-2.667	2.4864	-0.03597	-0.02993	-0.06050	-0.01447	-0.01204	-0.02433	0.00100	0.00060	0.00006
9391	2019.74	123.9	3.51	0.62	0.0241	0.0035	20.99	1.191	-2.537	2.4877	-0.03390	-0.03372	-0.06200	-0.01363	-0.01356	-0.02492	0.00184	-0.00092	-0.00053
9392	2019.89	124.1	3.51	0.62	0.0248	0.0029	21.11	1.191	-2.414	2.4870	-0.03389	-0.03280	-0.06094	-0.01363	-0.01319	-0.02450	0.00184	-0.00055	-0.00011
9393	2019.89	124.2	3.51	0.62	0.0259	-0.0002	21.24	1.191	-2.289	2.4862	-0.03583	-0.03238	-0.05949	-0.01441	-0.01302	-0.02393	0.00105	-0.00039	0.00047
9394	2019.74	124.2	3.51	0.62	0.0241	0.0054	21.36	1.191	-2.163	2.4877	-0.03992	-0.03147	-0.06166	-0.01605	-0.01265	-0.02478	-0.00058	-0.00002	-0.00039
9395	2020.18	124.1	3.51	0.62	0.0248	0.0039	21.49	1.191	-2.033	2.4865	-0.03948	-0.02531	-0.06092	-0.01588	-0.01018	-0.02450	-0.00041	0.00246	-0.00011
9396	2020.03	123.6	3.51	0.63	0.0255	0.0042	21.61	1.191	-1.919	2.4873	-0.03916	-0.02425	-0.06145	-0.01574	-0.00975	-0.02471	-0.00028	0.00289	-0.00031
9397	2019.74	123.9	3.51	0.63	0.0255	-0.0004	21.74	1.191	-1.792	2.4858	-0.03732	-0.02055	-0.06008	-0.01501	-0.00827	-0.02417	0.00045	0.00437	0.00022
9398	2020.03	124.0	3.51	0.63	0.0245	0.0018	21.86	1.191	-1.666	2.4870	-0.03322	-0.02315	-0.06071	-0.01336	-0.00931	-0.02441	0.00211	0.00332	-0.00002
9399	2020.18	124.1	3.51	0.63	0.0238	0.0005	21.99	1.191	-1.548	2.4876	-0.02948	-0.02755	-0.06158	-0.01185	-0.01108	-0.02475	0.00361	0.00156	-0.00036
9400	2020.03	124.0	3.51	0.61	0.0210	0.0065	22.11	1.190	-1.400	2.4870	-0.02815	-0.03140	-0.06112	-0.01132	-0.01263	-0.02458	0.00415	0.00001	-0.00018
9401	2020.03	124.1	3.51	0.63	0.0241	0.0026	22.24	1.191	-1.295	2.4865	-0.03044	-0.03243	-0.06044	-0.01224	-0.01304	-0.02431	0.00322	-0.00041	0.00009
9402	2019.46	124.1	3.51	0.62	0.0241	0.0054	22.36	1.191	-1.163	2.4880	-0.03413	-0.03690	-0.06112	-0.01372	-0.01483	-0.02457	0.00175	-0.00220	-0.00017
9403	2020.03	123.9	3.51	0.63	0.0248	0.0002	22.49	1.191	-1.042	2.4868	-0.03715	-0.03220	-0.05810	-0.01494	-0.01295	-0.02336	0.00052	-0.00031	0.00103
9404	2019.89	123.9	3.51	0.62	0.0231	0.0048	22.61	1.191	-0.909	2.4864	-0.03939	-0.02468	-0.05709	-0.01584	-0.00993	-0.02296	-0.00038	0.00271	0.00143
9405	2019.74	123.8	3.51	0.62	0.0224	0.0053	22.74	1.190	-0.782	2.4869	-0.04224	-0.02165	-0.05850	-0.01698	-0.00870	-0.02352	-0.00152	0.00393	0.00087
9406	2019.89	124.0	3.51	0.63	0.0245	0.0055	22.86	1.191	-0.665	2.4879	-0.03885	-0.01904	-0.06127	-0.01561	-0.00765	-0.02463	-0.00015	0.00498	-0.00023
9407	2019.60	124.1	3.51	0.62	0.0221	0.0080	22.99	1.190	-0.528	2.4866	-0.03309	-0.01935	-0.06182	-0.01331	-0.00778	-0.02486	0.00216	0.00485	-0.00047
9408	2020.18	124.0	3.51	0.62	0.0234	0.0050	23.11	1.190	-0.408	2.4867	-0.02515	-0.02208	-0.06103	-0.01011	-0.00888	-0.02454	0.00535	0.00376	-0.00015
9409	2019.74	124.0	3.51	0.63	0.0255	0.0024	23.23	1.191	-0.296	2.4874	-0.02615	-0.02706	-0.06168	-0.01051	-0.01088	-0.02480	0.00495	0.00175	-0.00041
9410	2019.89	123.9	3.51	0.63	0.0241	0.0072	23.36	1.191	-0.167	2.4870	-0.02634	-0.03028	-0.05864	-0.01059	-0.01217	-0.02358	0.00488	0.00046	0.00082
9411	2020.03	123.9	3.51	0.63	0.0248	0.0048	23.49	1.191	-0.047	2.4875	-0.03025	-0.03386	-0.05581	-0.01216	-0.01361	-0.02244	0.00330	-0.00098	0.00196
9412	2020.03	123.9	3.51	0.63	0.0217	0.0096	23.61	1.191	0.082	2.4868	-0.03562	-0.02943	-0.05143	-0.01432	-0.01183	-0.02068	0.00114	0.00080	0.00371
9413	2020.18	123.8	3.51	0.63	0.0252	0.0041	23.74	1.191	0.203	2.4872	-0.03691	-0.02691	-0.05148	-0.01484	-0.01082	-0.02070	0.00063	0.00181	0.00370
9414	2020.03	123.8	3.51	0.63	0.0214	0.0057	23.86	1.191	0.333	2.4875	-0.03976	-0.01962	-0.05615	-0.01598	-0.00789	-0.02257	-0.00052	0.00475	0.00182
9415	2020.32	123.9	3.51	0.63	0.0234	0.0022	23.98	1.191	0.456	2.4876	-0.03888	-0.01782	-0.05869	-0.015					

Table A13. Continued.

Run = 143

M = 1.80

xsppos = 42.347

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9435	2019.60	124.1	3.51	0.63	0.0241	0.0016	26.49	1.191	2.954	2.4858	-0.02503	-0.01665	-0.05630	-0.01007	-0.00670	-0.02265	0.00540	0.00594	0.00174
9436	2019.60	123.8	3.51	0.63	0.0269	-0.0006	26.61	1.191	3.078	2.4862	-0.02456	-0.01727	-0.05567	-0.00988	-0.00695	-0.02239	0.00559	0.00569	0.00200
9437	2019.60	123.9	3.51	0.63	0.0245	0.0009	26.73	1.191	3.203	2.4874	-0.02519	-0.01890	-0.05356	-0.01013	-0.00760	-0.02153	0.00534	0.00504	0.00286
9438	2019.89	124.0	3.51	0.64	0.0259	-0.0030	26.86	1.192	3.315	2.4864	-0.02271	-0.01679	-0.04859	-0.00914	-0.00675	-0.01954	0.00633	0.00588	0.00485
9439	2019.89	123.9	3.51	0.63	0.0272	-0.0032	26.98	1.191	3.451	2.4864	-0.02301	-0.01518	-0.04622	-0.00925	-0.00611	-0.01859	0.00621	0.00653	0.00580
9440	2020.03	124.1	3.51	0.64	0.0252	-0.0025	27.11	1.191	3.573	2.4866	-0.02325	-0.01456	-0.04616	-0.00935	-0.00586	-0.01856	0.00611	0.00678	0.00583
9441	2020.03	124.2	3.51	0.64	0.0262	-0.0038	27.24	1.192	3.693	2.4877	-0.02398	-0.01655	-0.04855	-0.00964	-0.00665	-0.01952	0.00583	0.00598	0.00488
9442	2020.18	124.2	3.51	0.63	0.0279	-0.0028	27.36	1.191	3.825	2.4859	-0.02113	-0.01197	-0.04666	-0.00850	-0.00481	-0.01877	0.00696	0.00782	0.00562
9443	2020.18	124.3	3.51	0.63	0.0265	-0.0017	27.48	1.191	3.946	2.4873	-0.02117	-0.01366	-0.04771	-0.00851	-0.00549	-0.01918	0.00695	0.00714	0.00521
9444	2019.60	124.3	3.51	0.63	0.0262	-0.0028	27.61	1.191	4.072	2.4865	-0.01986	-0.01496	-0.04875	-0.00799	-0.00602	-0.01961	0.00748	0.00662	0.00479
9445	2020.32	124.1	3.51	0.63	0.0269	0.0022	27.73	1.191	4.203	2.4876	-0.02052	-0.01545	-0.04946	-0.00825	-0.00621	-0.01988	0.00721	0.00642	0.00451
9446	2019.46	124.1	3.51	0.63	0.0272	-0.0050	27.86	1.191	4.325	2.4871	-0.02118	-0.01893	-0.05061	-0.00852	-0.00761	-0.02035	0.00695	0.00502	0.00404
9447	2020.46	124.1	3.51	0.62	0.0255	-0.0004	27.98	1.191	4.458	2.4873	-0.02041	-0.01747	-0.04918	-0.00821	-0.00703	-0.01977	0.00726	0.00561	0.00462
9448	2019.89	124.1	3.51	0.63	0.0269	-0.0043	28.11	1.191	4.572	2.4875	-0.02216	-0.01514	-0.04983	-0.00891	-0.00609	-0.02003	0.00656	0.00655	0.00436
9449	2020.03	124.1	3.51	0.63	0.0262	-0.0019	28.24	1.191	4.707	2.4875	-0.02259	-0.01265	-0.04959	-0.00908	-0.00509	-0.01994	0.00638	0.00755	0.00446
9450	2020.18	123.9	3.51	0.64	0.0252	0.0022	28.36	1.191	4.822	2.4861	-0.02117	-0.00949	-0.04751	-0.00851	-0.00382	-0.01911	0.00695	0.00882	0.00528
9451	2019.60	124.1	3.51	0.63	0.0248	0.0002	28.48	1.191	4.952	2.4868	-0.02152	-0.00998	-0.04878	-0.00865	-0.00401	-0.01962	0.00681	0.00862	0.00478
9452	2020.03	124.1	3.51	0.63	0.0255	0.0024	28.61	1.191	5.076	2.4879	-0.01751	-0.01186	-0.05032	-0.00704	-0.00477	-0.02023	0.00843	0.00787	0.00417
9453	2020.46	123.6	3.51	0.63	0.0258	-0.0011	28.74	1.191	5.201	2.4877	-0.01705	-0.01166	-0.04918	-0.00685	-0.00469	-0.01977	0.00861	0.00795	0.00462
9454	2019.89	123.8	3.51	0.63	0.0248	0.0020	28.86	1.191	5.332	2.4869	-0.01532	-0.01246	-0.04774	-0.00616	-0.00501	-0.01920	0.00930	0.00762	0.00520
9455	2020.18	123.8	3.51	0.63	0.0276	-0.0002	28.98	1.191	5.454	2.4866	-0.01542	-0.01041	-0.04572	-0.00620	-0.00419	-0.01839	0.00926	0.00845	0.00600
9456	2019.74	123.9	3.51	0.63	0.0231	0.0039	29.11	1.191	5.579	2.4869	-0.01757	-0.00856	-0.04599	-0.00707	-0.00344	-0.01849	0.00840	0.00919	0.00590
9457	2020.32	124.0	3.51	0.64	0.0272	0.0015	29.23	1.191	5.695	2.4870	-0.01515	-0.00908	-0.04452	-0.00609	-0.00365	-0.01790	0.00937	0.00898	0.00649
9458	2019.89	124.1	3.51	0.63	0.0265	-0.0008	29.36	1.191	5.828	2.4879	-0.01719	-0.01211	-0.04634	-0.00691	-0.00487	-0.01862	0.00855	0.00777	0.00577
9459	2019.60	124.1	3.51	0.63	0.0259	0.0035	29.48	1.191	5.955	2.4874	-0.01663	-0.00731	-0.04688	-0.00668	-0.00294	-0.01885	0.00878	0.00970	0.00555
9460	2020.32	124.2	3.51	0.63	0.0293	-0.0002	29.61	1.191	6.073	2.4879	-0.01442	-0.00405	-0.04701	-0.00580	-0.00163	-0.01889	0.00967	0.01101	0.00550
9461	2020.18	124.3	3.51	0.63	0.0238	0.0070	29.73	1.191	6.200	2.4875	-0.01445	-0.00333	-0.04791	-0.00581	-0.00134	-0.01926	0.00966	0.01130	0.00513
9462	2020.18	124.3	3.51	0.63	0.0255	0.0042	29.86	1.191	6.329	2.4868	-0.01096	0.00080	-0.04767	-0.00441	0.00032	-0.01917	0.01106	0.01295	0.00522
9463	2020.03	124.1	3.51	0.63	0.0241	0.0007	29.99	1.191	6.462	2.4884	-0.00985	-0.00273	-0.04726	-0.00396	-0.00110	-0.01899	0.01151	0.01154	0.00540
9464	2020.03	124.0	3.51	0.63	0.0238	0.0024	30.11	1.191	6.582	2.4874	-0.00859	0.00055	-0.04277	-0.00345	0.00022	-0.01719	0.01201	0.01286	0.00720
9465	2020.03	124.0	3.51	0.63	0.0241	0.0007	30.23	1.191	6.707	2.4869	-0.00462	0.00366	-0.04026	-0.00186	0.00147	-0.01619	0.01361	0.01411	0.00820
9466	2020.18	124.0	3.51	0.64	0.0255	0.0033	30.36	1.191	6.823	2.4888	-0.00631	0.00300	-0.04109	-0.00254	0.00120	-0.01651	0.01293	0.01384	0.00788
9467	2020.03	124.0	3.51	0.63	0.0262	0.0000	30.48	1.191	6.952	2.4865	-0.00353	0.00581	-0.04014	-0.00142	0.00234	-0.01614	0.01404	0.01497	0.00825
9468	2020.03	124.0	3.51	0.62	0.0259	-0.0039	30.68	1.191	7.150	2.4870	-0.00176	0.00567	-0.04106	-0.00071	0.00228	-0.01651	0.01476	0.01491	0.00788
9469	2019.60	124.0	3.51	0.63	0.0272	-0.0023	30.74	1.191	7.203	2.4871	-0.00079	0.00726	-0.03959	-0.00032	0.00292	-0.01592	0.01515	0.01555	0.00848
9470	2019.89	124.1	3.51	0.63	0.0269	-0.0052	30.86	1.191	7.329	2.4862	0.00039	0.00704	-0.03933	0.00016	0.00283	-0.01582	0.01562	0.01547	0.00858
9471	2020.03	124.2	3.51	0.63	0.0272	0.0024	30.99	1.191	7.456	2.4880	0.00055	0.00524	-0.04147	0.00022	0.00211	-0.01667	0.01569	0.01474	0.00773
9472	2019.89	124.1	3.51	0.64	0.0252	-0.0034	31.11	1.191	7.570	2.4863	0.00113	0.00377	-0.03873	0.00046	0.00151	-0.01558	0.01592	0.01415	0.00882
9473	2019.89	124.1	3.51	0.64	0.0276	-0.0039	31.23	1.192	7.692	2.4867	0.00332	0.00085	-0.03684	0.00134	0.00034	-0.01481	0.01680	0.01298	0.00958
9474	2020.61	124.0	3.51	0.63	0.0282	0.0002	31.36	1.191	7.828	2.4870	0.00191	-0.00079	-0.03544	0.00077	-0.00032	-0.01425	0.01623	0.01232	0.01014
9475	2020.03	124.0	3.51	0.63	0.0252	0.0013	31.49	1.191	7.956	2.4870	-0.00239	-0.00485	-0.03435	-0.00096	-0.00195	-0.01381	0.01451	0.01068	0.01058
9476	2020.03	123.8	3.51	0.64	0.0258	-0.0002	31.61	1.192	8.070	2.4883	-0.00703	-0.00826	-0.03315	-0.00282	-0.00332	-0.01332	0.01264	0.00932	0.01107
9477	2020.18	124.0	3.51	0.63	0.0269	0.0003	31.74	1.191	8.206	2.4877	-0.00822	-0.00695	-0.03079	-0.00330	-0.00279	-0.01238	0.01216	0.00984	0.01201
9478	2020.03	123.9	3.51	0.63	0.0269	0.0013	31.86	1.191	8.326	2.4878	-0.00999	-0.00915	-0.03135	-0.00402	-0.00368	-0.01260	0.01145	0.00896	0.01179
9479	2020.03	123.7	3.51	0.63	0.0241	0.0044	31.99	1.191	8.453	2.4868	-0.01352	-0.01235	-0.03063	-0.00544	-0.00497	-0.01232	0.01003	0.00767	0.01207
9480	2020.03	123.8	3.51	0.63	0.0255	0.0033	32.11	1.191	8.579	2.4879	-0.01571	-0.01774	-0.03120	-0.00631	-0.00713	-0.01254	0.00915	0.00550	0.01185
9481	2019.60	123.7	3.51	0.63	0.0255	0.0043	32.23	1.191	8.705	2.4872	-0.01666	-0.02251	-0.03084	-0.00670	-0.00905	-0.01240	0.00877	0.00358	0.01200
9482	2020.18	123.6	3.51	0.63	0.0265	0.0030	32.36	1.191	8.833	2.4874	-0.01959	-0.02625	-0.03024	-0.00788	-0.01055	-0.01216	0.00759	0.00208	0.01223
9483	2020.18	124.0	3.51	0.64	0.0272	-0.0004	32.49	1.192	8.943	2.4869	-0.02453	-0.03239	-0.02772	-0.00986	-0.01302	-0.01115	0.00560	-0.00309	0.01325
9484	2020.03	123.9	3.51	0.63	0.0221	0.0033	32.61	1.191	9.084	2.4874	-0.03462	-0.04298	-0.02928	-0.01392	-0.01728	-0.01177	0.00155	-0.00465	0.01262
9485	2020.03	123.8	3.51	0.64	0.0245	0.0018	32.74	1.191	9.196	2.4865	-0.03677	-0.04653	-0.02729	-0.01479	-0.01871	-0.01098	0.00068	-0.00608	0.01342
9486	2019.46	123.9	3.51	0.63	0.0259	0.0026	32.86	1.191	9.324	2.4858	-0.03901	-0.05058	-0.02862	-0.01569	-0.02035	-0.01151	-0.00023	-0.00771	0.01288
9487	2020.03	123.8	3.51	0.64	0.0272	-0.0041	32.99	1.192	9.446	2.4895	-0.05057	-0.06072	-0.03480	-0.02031	-0.02439	-0.01398	-0.00485	-0.01176	0.01042
9488	2019.89	123.8	3.51	0.63	0.0241														

Table A13. Concluded.

Run = 143

M = 1.80

xsppos = 42.346

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9508	2020.03	123.8	3.51	0.64	0.0241	0.0016	35.61	1.191	12.074	2.4871	-0.04948	-0.04074	-0.08953	-0.01989	-0.01638	-0.03600	-0.00443	-0.00375	-0.01161
9509	2020.32	123.9	3.51	0.63	0.0245	0.0000	35.73	1.191	12.200	2.4876	-0.04806	-0.03990	-0.08722	-0.01932	-0.01604	-0.03506	-0.00386	-0.00340	-0.01067
9510	2019.74	124.0	3.51	0.64	0.0248	-0.0017	35.86	1.191	12.321	2.4870	-0.04393	-0.03582	-0.08517	-0.01766	-0.01440	-0.03425	-0.00220	-0.00177	-0.00985
9511	2020.03	124.1	3.51	0.63	0.0258	0.0016	35.98	1.191	12.451	2.4864	-0.04301	-0.03404	-0.08224	-0.01730	-0.01369	-0.03308	-0.00183	-0.00105	-0.00868
9512	2019.89	124.0	3.51	0.62	0.0245	0.0018	36.11	1.191	12.585	2.4864	-0.04160	-0.03206	-0.08102	-0.01673	-0.01290	-0.03258	-0.00126	-0.00026	-0.00819
9513	2019.46	124.0	3.51	0.63	0.0231	0.0011	36.23	1.191	12.707	2.4872	-0.04413	-0.03369	-0.07989	-0.01774	-0.01354	-0.03212	-0.00228	-0.00091	-0.00773
9514	2020.32	123.9	3.51	0.63	0.0234	0.0059	36.36	1.191	12.833	2.4864	-0.04173	-0.03195	-0.07276	-0.01678	-0.01285	-0.02926	-0.00132	-0.00021	-0.00487
9515	2020.46	124.1	3.51	0.62	0.0231	0.0048	36.48	1.191	12.961	2.4870	-0.04104	-0.03362	-0.07109	-0.01650	-0.01352	-0.02859	-0.00104	-0.00088	-0.00419
9516	2019.89	124.0	3.51	0.64	0.0245	0.0028	36.61	1.192	13.068	2.4872	-0.04109	-0.03457	-0.06697	-0.01652	-0.01390	-0.02693	-0.00105	-0.00126	-0.00253
9517	2019.74	124.1	3.51	0.64	0.0241	0.0054	36.73	1.191	13.198	2.4864	-0.03919	-0.03533	-0.06547	-0.01576	-0.01421	-0.02633	-0.00030	-0.00158	-0.00194
9518	2020.03	123.9	3.51	0.63	0.0217	0.0050	36.86	1.191	13.329	2.4864	-0.03817	-0.03517	-0.06507	-0.01535	-0.01415	-0.02617	0.00012	-0.00151	-0.00178
9519	2019.60	124.1	3.51	0.63	0.0221	0.0052	36.98	1.191	13.453	2.4882	-0.04148	-0.03964	-0.06825	-0.01667	-0.01593	-0.02743	-0.00121	-0.00330	-0.00303
9520	2020.03	123.9	3.51	0.64	0.0245	0.0065	37.11	1.192	13.571	2.4871	-0.04126	-0.03728	-0.06726	-0.01659	-0.01598	-0.02704	-0.00112	-0.00334	-0.00265
9521	2019.89	124.0	3.51	0.63	0.0241	0.0035	37.24	1.191	13.712	2.4858	-0.03954	-0.03895	-0.06606	-0.01591	-0.01567	-0.02657	-0.00044	-0.00304	-0.00218
9522	2019.89	123.9	3.51	0.63	0.0221	0.0061	37.36	1.191	13.836	2.4858	-0.04266	-0.03887	-0.06626	-0.01716	-0.01564	-0.02666	-0.00170	-0.00300	-0.00226
9523	2020.32	123.9	3.51	0.63	0.0217	0.0068	37.49	1.191	13.956	2.4871	-0.04519	-0.03728	-0.06728	-0.01817	-0.01499	-0.02705	-0.00271	-0.00236	-0.00266
9524	2020.18	123.8	3.51	0.62	0.0221	0.0033	37.61	1.191	14.091	2.4883	-0.04735	-0.03656	-0.06860	-0.01903	-0.01469	-0.02757	-0.00356	-0.00206	-0.00318
9525	2020.32	124.1	3.51	0.62	0.0241	0.0063	37.74	1.191	14.212	2.4870	-0.04578	-0.03155	-0.06738	-0.01841	-0.01269	-0.02709	-0.00294	-0.00005	-0.00270
9526	2020.18	124.2	3.51	0.62	0.0248	0.0029	37.86	1.191	14.341	2.4876	-0.04468	-0.03167	-0.06812	-0.01796	-0.01273	-0.02738	-0.00250	-0.00010	-0.00299
9527	2019.89	123.7	3.51	0.62	0.0238	0.0042	37.99	1.191	14.462	2.4871	-0.04085	-0.03199	-0.06831	-0.01643	-0.01286	-0.02747	-0.00096	-0.00023	-0.00307
9528	2019.46	123.8	3.51	0.63	0.0224	0.0109	38.11	1.191	14.586	2.4864	-0.03774	-0.03414	-0.06740	-0.01518	-0.01373	-0.02711	0.00029	-0.00110	-0.00271
9529	2020.03	123.8	3.51	0.64	0.0238	0.0089	38.24	1.191	14.698	2.4876	-0.03738	-0.03703	-0.06869	-0.01503	-0.01489	-0.02761	0.00044	-0.00225	-0.00322
9530	2019.89	123.7	3.51	0.64	0.0245	0.0065	38.36	1.191	14.821	2.4868	-0.03755	-0.03962	-0.06806	-0.01510	-0.01593	-0.02737	0.00036	-0.00330	-0.00298
9531	2020.03	123.9	3.51	0.64	0.0231	0.0057	38.49	1.191	14.950	2.4879	-0.04196	-0.04046	-0.06973	-0.01686	-0.01626	-0.02803	-0.00140	-0.00363	-0.00363
9532	2020.32	123.9	3.51	0.64	0.0238	0.0061	38.61	1.192	15.068	2.4862	-0.04252	-0.03550	-0.06743	-0.01710	-0.01428	-0.02712	-0.00164	-0.00164	-0.00273
9533	2020.32	123.7	3.51	0.63	0.0255	0.0052	38.74	1.191	15.201	2.4873	-0.04597	-0.03297	-0.06993	-0.01848	-0.01326	-0.02812	-0.00302	-0.00062	-0.00372
9534	2020.03	124.0	3.51	0.63	0.0252	0.0078	38.86	1.191	15.328	2.4864	-0.04691	-0.02765	-0.07176	-0.01887	-0.01112	-0.02886	-0.00340	0.00151	-0.00447
9535	2019.60	123.9	3.51	0.63	0.0238	0.0080	38.99	1.191	15.452	2.4863	-0.04290	-0.02731	-0.07233	-0.01726	-0.01099	-0.02909	-0.00179	0.00165	-0.00470
9536	2020.03	124.0	3.51	0.62	0.0234	0.0050	39.11	1.191	15.589	2.4864	-0.03636	-0.02595	-0.07196	-0.01462	-0.01043	-0.02894	0.00084	0.00220	-0.00455
9537	2019.89	124.1	3.51	0.63	0.0258	0.0063	39.23	1.191	15.706	2.4872	-0.03693	-0.02687	-0.07229	-0.01485	-0.01080	-0.02907	0.00062	0.00183	-0.00467
9538	2019.89	124.1	3.51	0.63	0.0224	0.0100	39.36	1.191	15.832	2.4865	-0.03316	-0.02690	-0.06858	-0.01333	-0.01082	-0.02758	0.00213	0.00182	-0.00319
9539	2020.18	123.8	3.51	0.64	0.0214	0.0113	39.48	1.191	15.952	2.4877	-0.03471	-0.02801	-0.06468	-0.01395	-0.01126	-0.02600	0.00151	0.00138	-0.00160
9540	2019.60	124.1	3.51	0.62	0.0235	0.0041	39.61	1.191	16.089	2.4872	-0.03382	-0.02946	-0.06221	-0.01360	-0.01184	-0.02501	0.00187	0.00079	-0.00062
9541	2019.89	124.0	3.51	0.63	0.0238	0.0080	39.73	1.191	16.209	2.4873	-0.03501	-0.02903	-0.06150	-0.01408	-0.01167	-0.02472	0.00139	0.00096	-0.00033
9542	2019.89	123.9	3.51	0.63	0.0241	0.0072	39.86	1.191	16.330	2.4868	-0.03433	-0.02876	-0.06067	-0.01381	-0.01157	-0.02440	0.00166	0.00107	-0.00001
9543	2020.03	124.2	3.51	0.64	0.0255	0.0061	39.99	1.191	16.449	2.4893	-0.03636	-0.03155	-0.06693	-0.01461	-0.01267	-0.02689	0.00086	-0.00004	-0.00250
9544	2020.03	124.1	3.51	0.63	0.0234	0.0087	40.11	1.191	16.580	2.4883	-0.03686	-0.03128	-0.07001	-0.01481	-0.01257	-0.02814	0.00065	0.00006	-0.00374
9545	2019.74	124.1	3.51	0.63	0.0234	0.0078	40.24	1.191	16.706	2.4881	-0.03697	-0.03192	-0.07318	-0.01486	-0.01283	-0.02941	0.00061	-0.00019	-0.00502
9546	2019.60	124.2	3.51	0.64	0.0231	0.0067	40.36	1.192	16.817	2.4873	-0.03686	-0.03066	-0.07205	-0.01482	-0.01233	-0.02897	0.00065	0.00031	-0.00458
9547	2019.74	124.2	3.51	0.63	0.0221	0.0042	40.48	1.191	16.953	2.4864	-0.03556	-0.03030	-0.07026	-0.01430	-0.01219	-0.02826	0.00116	0.00045	-0.00387
9548	2019.89	124.2	3.51	0.64	0.0214	0.0085	40.61	1.191	17.079	2.4876	-0.03821	-0.03158	-0.06509	-0.01536	-0.01269	-0.02617	0.00011	-0.00006	-0.00177
9549	2019.74	124.3	3.51	0.64	0.0224	0.0063	40.73	1.191	17.198	2.4863	-0.03612	-0.02992	-0.05908	-0.01453	-0.01203	-0.02376	0.00094	0.00060	0.00063
9550	2020.61	124.1	3.51	0.64	0.0224	0.0053	40.86	1.191	17.324	2.4877	-0.03764	-0.03061	-0.05803	-0.01513	-0.01230	-0.02333	0.00033	0.00033	0.00107
9551	2020.03	124.1	3.51	0.64	0.0234	0.0059	40.99	1.191	17.451	2.4893	-0.03930	-0.03236	-0.05940	-0.01579	-0.01300	-0.02386	-0.00032	-0.00037	0.00053
9552	2019.89	124.1	3.51	0.63	0.0214	0.0048	41.11	1.191	17.582	2.4870	-0.03631	-0.02987	-0.05811	-0.01460	-0.01201	-0.02337	0.00086	0.00062	0.00103
9553	2020.18	124.0	3.51	0.63	0.0221	-0.0004	41.23	1.191	17.705	2.4859	-0.03495	-0.02874	-0.05719	-0.01406	-0.01156	-0.02301	0.00141	0.00107	0.00139
9554	2020.03	123.9	3.51	0.63	0.0238	0.0005	41.36	1.191	17.831	2.4881	-0.03867	-0.03166	-0.06044	-0.01554	-0.01272	-0.02429	-0.00008	-0.00009	0.00010
9555	2019.89	123.9	3.51	0.64	0.0228	0.0065	41.49	1.191	17.952	2.4877	-0.03670	-0.03108	-0.05968	-0.01475	-0.01249	-0.02399	0.00071	0.00014	0.00040
9556	2020.18	123.8	3.51	0.63	0.0224	0.0026	41.61	1.191	18.086	2.4866	-0.03443	-0.02934	-0.05900	-0.01385	-0.01180	-0.02373	0.00162	0.00084	0.00067
9557	2020.03	123.9	3.51	0.63	0.0234	0.0022	41.74	1.191	18.208	2.4864	-0.03513	-0.02870	-0.05974	-0.01413	-0.01154	-0.02403	0.00134	0.00109	0.00037
9558	2020.03	123.8	3.51	0.62	0.0214	0.0085	41.86	1.190	18.344	2.4876	-0.03637	-0.03001	-0.06107	-0.01462	-0.01207	-0.02455	0.00084	0.00057	-0.00015
9559	2019.89	123.9	3.51	0.63	0.0214	0.0076	41.99	1.191	18.457	2.4874	-0.03568	-0.02989	-0.06163	-0.01434	-0.01202	-0.02478	0.00112	0.00062	-0.00039
9560	2020.03	123.8	3.51	0.64	0.0200	0.0096	42.11	1.191	18.580	2.4867	-0.03547	-0.02879	-0.06159	-0.01426	-0.01158	-0.02477	0.00120	0.00106	-0.00038
9561</																			

Table A14. Run 144.

Run = 144

M = 1.80

xsppos = 42.347

point	p0	t0	rfft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9563	2020.18	123.9	3.51	-0.25	-0.0146	0.0315	17.49	1.180	-5.816	2.4878	-0.03881	-0.03217	-0.06195	-0.01560	-0.01293	-0.02490	-0.00019	-0.00048	-0.00044
9564	2020.03	123.9	3.51	-0.26	-0.0163	0.0315	17.61	1.179	-5.680	2.4870	-0.03912	-0.03055	-0.06156	-0.01573	-0.01228	-0.02475	-0.00032	0.00017	-0.00030
9565	2019.74	123.9	3.51	-0.25	-0.0170	0.0321	17.74	1.179	-5.557	2.4867	-0.03902	-0.03159	-0.06096	-0.01569	-0.01270	-0.02452	-0.00028	-0.00025	-0.00006
9566	2019.89	123.9	3.51	-0.24	-0.0149	0.0267	17.86	1.180	-5.448	2.4856	-0.03776	-0.03042	-0.06014	-0.01519	-0.01224	-0.02420	0.00022	0.00022	0.00026
9567	2019.60	123.7	3.51	-0.25	-0.0163	0.0287	17.99	1.179	-5.312	2.4857	-0.03687	-0.03012	-0.05946	-0.01483	-0.01212	-0.02392	0.00058	0.00034	0.00054
9568	2020.32	123.5	3.51	-0.25	-0.0160	0.0298	18.11	1.179	-5.185	2.4870	-0.03921	-0.03060	-0.06031	-0.01577	-0.01230	-0.02425	-0.00036	0.00015	0.00021
9569	2020.18	123.9	3.51	-0.24	-0.0153	0.0302	18.24	1.180	-5.068	2.4876	-0.03865	-0.03244	-0.06120	-0.01554	-0.01304	-0.02460	-0.00013	-0.00059	-0.00015
9570	2020.03	124.1	3.51	-0.24	-0.0149	0.0304	18.36	1.180	-4.949	2.4870	-0.03922	-0.03143	-0.06086	-0.01577	-0.01264	-0.02447	-0.00036	-0.00018	-0.00002
9571	2020.03	124.1	3.51	-0.26	-0.0180	0.0361	18.48	1.179	-4.805	2.4854	-0.03636	-0.02856	-0.05906	-0.01463	-0.01149	-0.02376	0.00078	0.00096	0.00069
9572	2020.18	123.8	3.51	-0.25	-0.0156	0.0356	18.61	1.179	-4.686	2.4866	-0.03688	-0.03047	-0.06042	-0.01483	-0.01225	-0.02430	0.00058	0.00020	0.00016
9573	2019.89	123.9	3.51	-0.25	-0.0177	0.0354	18.74	1.179	-4.562	2.4860	-0.03743	-0.02981	-0.05990	-0.01506	-0.01199	-0.02410	0.00035	0.00046	0.00036
9574	2019.89	123.8	3.51	-0.25	-0.0160	0.0298	18.86	1.179	-4.437	2.4863	-0.03825	-0.03020	-0.05988	-0.01538	-0.01215	-0.02408	0.00003	0.00031	0.00037
9575	2019.74	123.8	3.51	-0.25	-0.0163	0.0315	18.99	1.179	-4.310	2.4864	-0.03803	-0.03072	-0.06075	-0.01530	-0.01235	-0.02443	0.00011	0.00010	0.00002
9576	2019.74	123.9	3.51	-0.27	-0.0187	0.0320	19.11	1.178	-4.169	2.4866	-0.03800	-0.03111	-0.06018	-0.01528	-0.01251	-0.02420	0.00013	-0.00006	0.00026
9577	2019.60	124.0	3.51	-0.24	-0.0139	0.0328	19.24	1.180	-4.071	2.4858	-0.03681	-0.02985	-0.05953	-0.01481	-0.01201	-0.02395	0.00060	0.00005	0.00051
9578	2020.46	124.0	3.51	-0.25	-0.0163	0.0343	19.36	1.179	-3.936	2.4876	-0.03801	-0.03106	-0.06158	-0.01528	-0.01249	-0.02476	0.00013	-0.00043	-0.00030
9579	2020.03	124.0	3.51	-0.24	-0.0143	0.0308	19.49	1.180	-3.821	2.4861	-0.03603	-0.03077	-0.05985	-0.01449	-0.01238	-0.02408	0.00092	0.00008	0.00038
9580	2020.03	124.1	3.51	-0.25	-0.0160	0.0326	19.61	1.179	-3.690	2.4874	-0.03803	-0.03209	-0.06087	-0.01529	-0.01290	-0.02447	0.00012	-0.00045	-0.00001
9581	2019.89	124.1	3.51	-0.24	-0.0142	0.0280	19.74	1.180	-3.574	2.4872	-0.03756	-0.03297	-0.06120	-0.01510	-0.01326	-0.02461	0.00031	-0.00080	-0.00015
9582	2020.32	124.0	3.51	-0.25	-0.0156	0.0328	19.86	1.179	-3.440	2.4873	-0.03804	-0.03047	-0.06149	-0.01529	-0.01225	-0.02472	0.00012	0.00020	-0.00026
9583	2020.32	124.1	3.51	-0.25	-0.0160	0.0345	19.99	1.179	-3.312	2.4870	-0.03711	-0.03146	-0.06102	-0.01492	-0.01265	-0.02453	0.00049	-0.00020	-0.00008
9584	2020.32	124.1	3.51	-0.25	-0.0156	0.0309	20.11	1.179	-3.188	2.4874	-0.03867	-0.03033	-0.06119	-0.01555	-0.01219	-0.02460	-0.00014	0.00026	-0.00018
9585	2020.03	123.7	3.51	-0.26	-0.0184	0.0332	20.24	1.179	-3.047	2.4876	-0.03948	-0.03001	-0.06106	-0.01587	-0.01206	-0.02455	-0.00046	0.00039	-0.00009
9586	2020.18	123.7	3.51	-0.25	-0.0153	0.0302	20.36	1.179	-2.933	2.4875	-0.03864	-0.02835	-0.06108	-0.01553	-0.01140	-0.02456	-0.00012	0.00106	-0.00010
9587	2020.18	123.9	3.51	-0.25	-0.0177	0.0317	20.49	1.179	-2.804	2.4874	-0.03750	-0.02611	-0.06142	-0.01508	-0.01050	-0.02469	0.00033	0.00196	-0.00024
9588	2020.03	123.8	3.51	-0.26	-0.0163	0.0306	20.61	1.179	-2.682	2.4874	-0.03674	-0.02840	-0.06138	-0.01477	-0.01142	-0.02468	0.00064	0.00104	-0.00022
9589	2019.74	123.8	3.51	-0.26	-0.0180	0.0352	20.74	1.179	-2.553	2.4863	-0.03530	-0.02983	-0.06036	-0.01420	-0.01200	-0.02428	0.00121	0.00046	0.00018
9590	2020.03	124.0	3.51	-0.26	-0.0177	0.0354	20.86	1.179	-2.428	2.4869	-0.03273	-0.03228	-0.06126	-0.01316	-0.01298	-0.02463	0.00225	-0.00053	-0.00018
9591	2019.89	124.0	3.51	-0.26	-0.0177	0.0354	20.99	1.179	-2.300	2.4874	-0.03554	-0.03301	-0.06105	-0.01429	-0.01327	-0.02454	0.00112	-0.00081	-0.00009
9592	2019.89	124.0	3.51	-0.25	-0.0184	0.0359	21.11	1.179	-2.180	2.4864	-0.03747	-0.03022	-0.06004	-0.01507	-0.01215	-0.02415	0.00034	0.00030	0.00031
9593	2020.18	124.1	3.51	-0.24	-0.0156	0.0356	21.24	1.180	-2.069	2.4863	-0.03888	-0.02766	-0.06043	-0.01564	-0.01112	-0.02431	-0.00023	0.00133	0.00015
9594	2019.74	123.9	3.51	-0.25	-0.0177	0.0345	21.36	1.179	-1.940	2.4884	-0.03994	-0.02675	-0.06314	-0.01605	-0.01075	-0.02538	-0.00064	0.00170	-0.00092
9595	2020.03	123.7	3.51	-0.26	-0.0177	0.0372	21.49	1.179	-1.801	2.4874	-0.03821	-0.02250	-0.06070	-0.01536	-0.00905	-0.02440	0.00005	0.00341	0.00006
9596	2019.31	123.7	3.51	-0.25	-0.0177	0.0382	21.61	1.179	-1.683	2.4859	-0.03588	-0.02113	-0.06010	-0.01443	-0.00850	-0.02418	0.00098	0.00395	0.00028
9597	2019.89	123.8	3.51	-0.24	-0.0160	0.0335	21.74	1.180	-1.568	2.4866	-0.03067	-0.02368	-0.06094	-0.01233	-0.00952	-0.02451	0.00308	0.00293	-0.00005
9598	2020.18	123.9	3.51	-0.25	-0.0180	0.0389	21.86	1.179	-1.433	2.4870	-0.02934	-0.02741	-0.06107	-0.01180	-0.01102	-0.02456	0.00361	0.00143	-0.00010
9599	2019.60	123.8	3.51	-0.26	-0.0184	0.0360	21.99	1.179	-1.299	2.4864	-0.02960	-0.03059	-0.06135	-0.01190	-0.01230	-0.02467	0.00351	0.00015	-0.00022
9600	2019.89	123.9	3.51	-0.26	-0.0197	0.0371	22.11	1.179	-1.174	2.4869	-0.03181	-0.03275	-0.05946	-0.01279	-0.01317	-0.02391	0.00262	-0.00072	0.00055
9601	2019.89	124.1	3.51	-0.24	-0.0167	0.0332	22.24	1.180	-1.069	2.4863	-0.03360	-0.03355	-0.05788	-0.01351	-0.01349	-0.02328	0.00190	-0.00104	0.00118
9602	2019.89	124.0	3.51	-0.24	-0.0173	0.0319	22.36	1.179	-0.939	2.4859	-0.03681	-0.02820	-0.05521	-0.01481	-0.01134	-0.02221	0.00060	0.00111	0.00225
9603	2020.32	123.9	3.51	-0.25	-0.0177	0.0335	22.49	1.179	-0.811	2.4874	-0.04041	-0.02569	-0.05742	-0.01625	-0.01033	-0.02308	-0.00084	0.00213	0.00137
9604	2019.60	124.0	3.51	-0.26	-0.0177	0.0335	22.61	1.179	-0.680	2.4872	-0.04119	-0.02311	-0.06010	-0.01656	-0.00929	-0.02416	-0.00115	0.00316	0.00029
9605	2019.89	124.1	3.51	-0.26	-0.0173	0.0309	22.74	1.179	-0.550	2.4868	-0.03760	-0.01884	-0.06159	-0.01512	-0.00758	-0.02476	0.00029	0.00488	-0.00031
9606	2020.18	124.0	3.51	-0.25	-0.0184	0.0332	22.86	1.179	-0.432	2.4874	-0.03293	-0.01891	-0.06275	-0.01324	-0.00760	-0.02523	0.00217	0.00485	-0.00077
9607	2020.32	123.9	3.51	-0.25	-0.0170	0.0311	22.99	1.179	-0.312	2.4880	-0.02836	-0.02412	-0.06271	-0.01140	-0.00969	-0.02520	0.00401	0.00276	-0.00075
9608	2020.03	124.0	3.51	-0.25	-0.0156	0.0328	23.11	1.179	-0.186	2.4870	-0.02381	-0.02611	-0.06159	-0.00957	-0.01050	-0.02477	0.00584	0.00195	-0.00031
9609	2020.03	123.7	3.51	-0.24	-0.0167	0.0341	23.24	1.180	-0.068	2.4876	-0.02712	-0.03107	-0.05893	-0.01090	-0.01249	-0.02369	0.00451	-0.00003	0.00077
9610	2019.89	123.5	3.51	-0.25	-0.0177	0.0326	23.36	1.179	0.063	2.4864	-0.03158	-0.03153	-0.05412	-0.01270	-0.01268	-0.02177	0.00271	-0.00023	0.00269
9611	2020.03	123.5	3.51	-0.25	-0.0170	0.0311	23.49	1.179	0.189	2.4871	-0.03426	-0.03084	-0.05313	-0.01377	-0.01240	-0.02136	0.00164	0.00006	0.00310
9612	2019.89	123.8	3.51	-0.25	-0.0187	0.0320	23.61	1.179	0.316	2.4867	-0.03807	-0.02538	-0.05325	-0.01531	-0.01021	-0.02142	0.00010	0.00225	0.00304
9613	2019.89	124.1	3.51	-0.25	-0.0167	0.0332	23.74	1.179	0.436	2.4878	-0.04018	-0.02244	-0.05615	-0.01615	-0.00902	-0.02257	-0.00074	0.00343	0.00189
9614	2019.74	123.9	3.51	-0.24	-0.0163	0.0343	23.86	1.180	0.552	2.4875	-0.03866	-0.01735	-0.05990	-0.01554	-0.00697	-0.02408	-0.00013	0.00548	0.00038
9615	2020.03	124.0	3.51	-0.24	-0.0173	0.0319	23.98	1.180	0.682	2.4868	-0.03201	-0.01719	-0.06165	-0.01287	-0.00691	-0.02479	0.00254	0.00554	-0.00033
9616	2019.60	124.2	3.51	-0.23	-0.0160</														

Table A14. Continued.

Run = 144

M = 1.80

xsppos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9636	2019.74	124.0	3.51	-0.24	-0.0156	0.0254	26.61	1.180	3.305	2.4869	-0.02622	-0.01908	-0.05546	-0.01054	-0.00767	-0.02230	0.00487	0.00478	0.00216
9637	2019.89	124.0	3.51	-0.24	-0.0163	0.0287	26.73	1.180	3.431	2.4853	-0.02345	-0.01743	-0.04949	-0.00943	-0.00701	-0.01991	0.00597	0.00544	0.00454
9638	2020.03	123.9	3.51	-0.23	-0.0136	0.0237	26.86	1.180	3.544	2.4855	-0.02443	-0.01740	-0.04783	-0.00983	-0.00700	-0.01925	0.00558	0.00545	0.00521
9639	2020.03	124.1	3.51	-0.24	-0.0156	0.0244	26.99	1.180	3.680	2.4866	-0.02473	-0.01631	-0.04752	-0.00994	-0.00656	-0.01911	0.00546	0.00589	0.00534
9640	2020.03	123.9	3.51	-0.23	-0.0146	0.0269	27.11	1.180	3.798	2.4874	-0.02497	-0.01802	-0.04916	-0.01004	-0.00725	-0.01976	0.00537	0.00521	0.00469
9641	2019.89	124.0	3.51	-0.23	-0.0139	0.0254	27.24	1.180	3.921	2.4859	-0.02281	-0.01500	-0.04805	-0.00918	-0.00604	-0.01933	0.00623	0.00642	0.00513
9642	2019.89	124.0	3.51	-0.24	-0.0156	0.0272	27.36	1.180	4.055	2.4878	-0.02354	-0.01693	-0.05048	-0.00946	-0.00681	-0.02029	0.00595	0.00565	0.00416
9643	2019.89	123.9	3.51	-0.22	-0.0129	0.0194	27.49	1.181	4.162	2.4879	-0.02355	-0.01647	-0.05178	-0.00947	-0.00662	-0.02081	0.00594	0.00583	0.00364
9644	2020.18	123.9	3.51	-0.24	-0.0146	0.0259	27.61	1.180	4.305	2.4872	-0.02173	-0.01591	-0.05062	-0.00874	-0.00640	-0.02035	0.00667	0.00606	0.00410
9645	2019.89	124.0	3.51	-0.25	-0.0163	0.0241	27.73	1.179	4.438	2.4868	-0.02145	-0.01716	-0.05062	-0.00863	-0.00690	-0.02035	0.00678	0.00555	0.00410
9646	2020.18	123.9	3.51	-0.23	-0.0136	0.0209	27.86	1.181	4.536	2.4873	-0.02106	-0.01836	-0.05092	-0.00847	-0.00738	-0.02047	0.00694	0.00507	0.00398
9647	2019.60	123.8	3.51	-0.25	-0.0163	0.0250	27.99	1.179	4.687	2.4859	-0.02080	-0.01880	-0.05005	-0.00837	-0.00756	-0.02013	0.00704	0.00489	0.00432
9648	2020.03	123.8	3.51	-0.23	-0.0139	0.0235	28.11	1.180	4.788	2.4868	-0.02319	-0.01616	-0.05049	-0.00933	-0.00650	-0.02030	0.00608	0.00596	0.00415
9649	2019.89	124.0	3.51	-0.23	-0.0149	0.0276	28.24	1.180	4.920	2.4855	-0.02237	-0.01269	-0.04847	-0.00900	-0.00511	-0.01950	0.00641	0.00735	0.00496
9650	2019.89	124.2	3.51	-0.23	-0.0142	0.0243	28.36	1.180	5.045	2.4863	-0.02259	-0.01170	-0.04992	-0.00909	-0.00470	-0.02008	0.00632	0.00775	0.00438
9651	2019.60	124.3	3.51	-0.24	-0.0153	0.0284	28.49	1.180	5.179	2.4874	-0.02295	-0.01320	-0.05081	-0.00923	-0.00531	-0.02043	0.00618	0.00715	0.00403
9652	2020.03	124.2	3.51	-0.24	-0.0156	0.0291	28.61	1.180	5.310	2.4864	-0.01810	-0.01008	-0.04940	-0.00728	-0.00406	-0.01987	0.00813	0.00840	0.00459
9653	2019.60	124.3	3.51	-0.24	-0.0146	0.0278	28.74	1.180	5.428	2.4861	-0.01682	-0.01336	-0.04976	-0.00677	-0.00537	-0.02002	0.00864	0.00708	0.00444
9654	2019.89	124.1	3.51	-0.24	-0.0143	0.0308	28.86	1.180	5.547	2.4857	-0.01585	-0.01151	-0.04814	-0.00638	-0.00463	-0.01937	0.00903	0.00782	0.00509
9655	2019.89	124.1	3.51	-0.25	-0.0153	0.0293	28.99	1.179	5.688	2.4873	-0.01598	-0.01433	-0.04811	-0.00642	-0.00576	-0.01934	0.00899	0.00669	0.00511
9656	2020.03	124.1	3.51	-0.25	-0.0156	0.0291	29.11	1.179	5.812	2.4870	-0.01745	-0.01347	-0.04609	-0.00702	-0.00541	-0.01853	0.00839	0.00704	0.00593
9657	2019.89	124.2	3.51	-0.25	-0.0153	0.0321	29.23	1.179	5.935	2.4864	-0.01875	-0.01432	-0.04696	-0.00754	-0.00576	-0.01889	0.00787	0.00670	0.00557
9658	2020.03	124.0	3.51	-0.24	-0.0146	0.0297	29.36	1.180	6.051	2.4878	-0.02057	-0.01559	-0.04766	-0.00827	-0.00627	-0.01916	0.00714	0.00619	0.00530
9659	2020.03	124.0	3.51	-0.23	-0.0149	0.0304	29.49	1.180	6.172	2.4868	-0.02083	-0.01608	-0.04612	-0.00838	-0.00647	-0.01855	0.00703	0.00599	0.00591
9660	2019.60	124.1	3.51	-0.25	-0.0160	0.0289	29.61	1.179	6.314	2.4853	-0.01866	-0.01494	-0.04710	-0.00751	-0.00601	-0.01895	0.00790	0.00644	0.00550
9661	2019.74	124.1	3.51	-0.24	-0.0149	0.0295	29.74	1.180	6.430	2.4870	-0.02151	-0.01454	-0.04950	-0.00865	-0.00585	-0.01990	0.00676	0.00661	0.00456
9662	2019.89	124.0	3.51	-0.26	-0.0166	0.0304	29.86	1.179	6.576	2.4887	-0.02202	-0.01570	-0.05188	-0.00885	-0.00631	-0.02085	0.00656	0.00615	0.00361
9663	2020.61	124.2	3.51	-0.23	-0.0125	0.0280	29.99	1.180	6.668	2.4871	-0.01923	-0.01002	-0.04694	-0.00773	-0.00403	-0.01888	0.00768	0.00843	0.00558
9664	2020.18	124.0	3.51	-0.25	-0.0156	0.0272	30.11	1.179	6.816	2.4877	-0.02034	-0.01263	-0.04586	-0.00818	-0.00508	-0.01843	0.00723	0.00738	0.00602
9665	2020.32	124.0	3.51	-0.24	-0.0149	0.0267	30.24	1.180	6.933	2.4870	-0.01824	-0.01048	-0.04300	-0.00734	-0.00421	-0.01729	0.00807	0.00824	0.00717
9666	2020.03	124.0	3.51	-0.25	-0.0149	0.0295	30.36	1.179	7.060	2.4865	-0.01697	-0.01095	-0.04162	-0.00683	-0.00440	-0.01674	0.00858	0.00805	0.00772
9667	2020.03	124.0	3.51	-0.24	-0.0136	0.0274	30.49	1.180	7.175	2.4872	-0.01531	-0.01001	-0.04248	-0.00615	-0.00402	-0.01708	0.00925	0.00843	0.00738
9668	2020.18	123.8	3.51	-0.23	-0.0129	0.0259	30.50	1.180	7.184	2.4865	-0.01535	-0.00964	-0.04068	-0.00618	-0.00388	-0.01636	0.00923	0.00858	0.00809
9669	2020.03	123.9	3.51	-0.25	-0.0153	0.0274	30.74	1.180	7.433	2.4878	-0.01762	-0.01188	-0.04415	-0.00708	-0.00477	-0.01775	0.00833	0.00768	0.00671
9670	2019.74	123.8	3.51	-0.25	-0.0143	0.0298	30.86	1.179	7.570	2.4877	-0.01745	-0.01178	-0.04415	-0.00701	-0.00474	-0.01775	0.00840	0.00772	0.00671
9671	2019.60	123.9	3.51	-0.25	-0.0146	0.0259	30.99	1.180	7.684	2.4870	-0.01733	-0.01196	-0.04336	-0.00697	-0.00481	-0.01743	0.00844	0.00764	0.00702
9672	2019.89	123.9	3.51	-0.25	-0.0163	0.0269	31.11	1.179	7.819	2.4862	-0.01774	-0.01095	-0.04523	-0.00713	-0.00440	-0.01819	0.00828	0.00805	0.00626
9673	2020.18	124.3	3.51	-0.23	-0.0129	0.0222	31.24	1.180	7.924	2.4868	-0.01631	-0.00959	-0.04523	-0.00656	-0.00386	-0.01819	0.00885	0.00860	0.00627
9674	2019.89	124.2	3.51	-0.24	-0.0143	0.0298	31.36	1.180	8.058	2.4865	-0.01662	-0.01186	-0.04546	-0.00669	-0.00477	-0.01828	0.00872	0.00769	0.00617
9675	2019.74	123.9	3.51	-0.25	-0.0149	0.0258	31.49	1.179	8.193	2.4868	-0.01758	-0.01401	-0.04527	-0.00707	-0.00563	-0.01820	0.00834	0.00682	0.00625
9676	2020.18	123.9	3.51	-0.25	-0.0129	0.0232	31.61	1.180	8.307	2.4865	-0.01696	-0.01512	-0.04400	-0.00682	-0.00608	-0.01769	0.00859	0.00637	0.00676
9677	2020.03	123.8	3.51	-0.24	-0.0129	0.0259	31.74	1.180	8.430	2.4872	-0.01824	-0.01948	-0.04276	-0.00733	-0.00783	-0.01719	0.00808	0.00462	0.00727
9678	2019.89	123.9	3.51	-0.24	-0.0129	0.0259	31.86	1.180	8.554	2.4867	-0.01909	-0.02186	-0.04229	-0.00768	-0.00879	-0.01701	0.00773	0.00366	0.00745
9679	2019.89	124.1	3.51	-0.25	-0.0153	0.0265	31.99	1.179	8.684	2.4887	-0.02428	-0.02631	-0.04556	-0.00976	-0.01057	-0.01831	0.00565	0.00188	0.00615
9680	2019.89	124.0	3.51	-0.24	-0.0129	0.0278	32.11	1.180	8.801	2.4866	-0.02507	-0.02405	-0.04300	-0.01008	-0.00967	-0.01729	0.00533	0.00278	0.00716
9681	2019.89	124.0	3.51	-0.24	-0.0149	0.0304	32.24	1.180	8.930	2.4867	-0.02931	-0.02807	-0.04453	-0.01179	-0.01129	-0.01791	0.00362	0.00117	0.00655
9682	2020.32	123.7	3.51	-0.26	-0.0166	0.0322	32.36	1.179	9.079	2.4878	-0.03281	-0.03034	-0.04624	-0.01319	-0.01219	-0.01859	0.00222	0.00026	0.00587
9683	2020.46	123.6	3.51	-0.25	-0.0139	0.0272	32.49	1.179	9.187	2.4881	-0.03397	-0.03334	-0.04559	-0.01365	-0.01340	-0.01832	0.00176	-0.00095	0.00614
9684	2020.18	123.8	3.51	-0.24	-0.0139	0.0291	32.61	1.180	9.305	2.4880	-0.03619	-0.03736	-0.04600	-0.01455	-0.01501	-0.01849	0.00086	-0.00256	0.00597
9685	2019.60	123.9	3.51	-0.25	-0.0153	0.0256	32.74	1.179	9.439	2.4863	-0.03797	-0.04244	-0.04449	-0.01527	-0.01707	-0.01789	0.00014	-0.00462	0.00656
9686	2019.74	123.8	3.51	-0.25	-0.0160	0.0289	32.86	1.179	9.562	2.4866	-0.03980	-0.04736	-0.04597	-0.01601	-0.01905	-0.01849	-0.00060	-0.00659	0.00597
9687	2019.89	124.0	3.51	-0.25	-0.0142	0.0289	32.99	1.180	9.684	2.4870	-0.04589	-0.05341	-0.04422	-0.01845	-0.02148	-0.01778	-0.00304	-0.00902	0.00667
9688	2019.89	124.1	3.51	-0.25	-0.0160	0.0270	33.11	1.179	9.816	2.4872	-0.05251	-0.06119	-0.04574	-0.02111	-0.02460	-0.01839	-0.00570	-0.01215	0.00607
9689	2020.18	124.1	3.51	-0.26	-0.0156														

Table A14. Concluded.

Run = 142

M = 1.80

xsppos = 42.348

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9289	2020.03	124.2	3.51	0.28	0.0084	0.0014	35.61	1.185	12.211	2.4864	-0.04595	-0.03529	-0.08975	-0.01848	-0.01419	-0.03609	-0.00306	-0.00149	-0.01163
9290	2020.03	124.1	3.51	0.27	0.0084	0.0032	35.74	1.184	12.349	2.4859	-0.04289	-0.03357	-0.08224	-0.01725	-0.01350	-0.03308	-0.00183	-0.00080	-0.00862
9291	2020.03	124.0	3.51	0.27	0.0101	0.0004	35.86	1.184	12.471	2.4861	-0.04100	-0.03195	-0.08029	-0.01649	-0.01285	-0.03230	-0.00107	-0.00015	-0.00783
9292	2020.18	123.9	3.51	0.28	0.0087	0.0025	35.99	1.184	12.593	2.4864	-0.04022	-0.03121	-0.08029	-0.01618	-0.01255	-0.03229	-0.00075	0.00015	-0.00783
9293	2020.18	124.0	3.51	0.26	0.0060	0.0075	36.11	1.183	12.732	2.4864	-0.03944	-0.03022	-0.07698	-0.01586	-0.01216	-0.03096	-0.00044	0.00055	-0.00650
9294	2020.32	124.1	3.51	0.27	0.0098	0.0040	36.23	1.184	12.847	2.4872	-0.04033	-0.03087	-0.07575	-0.01622	-0.01241	-0.03045	-0.00079	0.00029	-0.00599
9295	2019.89	124.0	3.51	0.27	0.0084	0.0023	36.36	1.184	12.973	2.4873	-0.03929	-0.03160	-0.07305	-0.01580	-0.01271	-0.02937	-0.00037	0.00000	-0.00490
9296	2019.89	123.9	3.51	0.26	0.0077	0.0056	36.49	1.184	13.103	2.4862	-0.03858	-0.03174	-0.06696	-0.01552	-0.01277	-0.02693	-0.00009	-0.00006	-0.00247
9297	2020.03	124.0	3.51	0.27	0.0080	0.0067	36.61	1.184	13.226	2.4864	-0.03914	-0.03267	-0.06541	-0.01574	-0.01314	-0.02631	-0.00032	-0.00043	-0.00184
9298	2020.18	124.1	3.51	0.26	0.0060	0.0084	36.74	1.183	13.359	2.4864	-0.03768	-0.03279	-0.06258	-0.01515	-0.01319	-0.02517	0.00027	-0.00048	-0.00071
9299	2019.74	124.1	3.51	0.28	0.0101	0.0032	36.86	1.184	13.463	2.4860	-0.03757	-0.03492	-0.06377	-0.01511	-0.01405	-0.02565	0.00031	-0.00134	-0.00119
9300	2020.03	123.9	3.51	0.27	0.0091	0.0092	36.98	1.184	13.592	2.4862	-0.03868	-0.03619	-0.06400	-0.01556	-0.01455	-0.02574	-0.00013	-0.00185	-0.00128
9301	2019.89	123.9	3.51	0.26	0.0046	0.0095	37.11	1.183	13.736	2.4864	-0.03998	-0.03767	-0.06430	-0.01608	-0.01515	-0.02586	-0.00066	-0.00245	-0.00140
9302	2020.18	123.9	3.51	0.27	0.0077	0.0075	37.24	1.184	13.851	2.4865	-0.04066	-0.03907	-0.06511	-0.01635	-0.01571	-0.02619	-0.00093	-0.00301	-0.00172
9303	2020.18	123.8	3.51	0.26	0.0077	0.0075	37.36	1.183	13.980	2.4866	-0.04303	-0.03960	-0.06423	-0.01731	-0.01593	-0.02583	-0.00188	-0.00322	-0.00137
9304	2020.03	123.9	3.51	0.26	0.0091	0.0082	37.48	1.183	14.103	2.4867	-0.04362	-0.03998	-0.06619	-0.01754	-0.01608	-0.02662	-0.00212	-0.00337	-0.00215
9305	2019.89	124.1	3.51	0.27	0.0101	0.0023	37.61	1.184	14.217	2.4865	-0.04565	-0.03724	-0.06733	-0.01836	-0.01498	-0.02708	-0.00294	-0.00227	-0.00262
9306	2019.89	124.2	3.51	0.28	0.0091	0.0036	37.74	1.184	14.337	2.4871	-0.04674	-0.03189	-0.06715	-0.01879	-0.01282	-0.02700	-0.00337	-0.00012	-0.00253
9307	2019.89	124.1	3.51	0.27	0.0084	0.0051	37.86	1.184	14.474	2.4872	-0.04470	-0.03015	-0.06479	-0.01797	-0.01212	-0.02677	-0.00255	0.00058	-0.00350
9308	2020.32	124.1	3.51	0.28	0.0084	0.0069	37.99	1.184	14.592	2.4874	-0.04159	-0.03025	-0.06684	-0.01672	-0.01216	-0.02687	-0.00130	0.00054	-0.00241
9309	2020.03	123.8	3.51	0.27	0.0080	0.0058	38.11	1.184	14.725	2.4871	-0.03643	-0.03229	-0.06755	-0.01465	-0.01298	-0.02716	0.00078	-0.00028	-0.00269
9310	2020.18	123.8	3.51	0.26	0.0087	0.0099	38.24	1.183	14.855	2.4868	-0.03442	-0.03381	-0.06670	-0.01384	-0.01359	-0.02682	0.00158	-0.00089	-0.00236
9311	2020.46	123.6	3.51	0.28	0.0084	0.0088	38.36	1.184	14.969	2.4866	-0.03516	-0.03688	-0.06624	-0.01414	-0.01483	-0.02664	0.00128	-0.00213	-0.00217
9312	2019.74	123.8	3.51	0.28	0.0087	0.0071	38.49	1.184	15.094	2.4864	-0.03755	-0.03875	-0.06537	-0.01510	-0.01558	-0.02629	0.00032	-0.00288	-0.00182
9313	2019.89	124.1	3.51	0.27	0.0094	0.0056	38.61	1.184	15.223	2.4865	-0.04120	-0.03671	-0.06649	-0.01657	-0.01476	-0.02674	-0.00115	-0.00206	-0.00228
9314	2020.18	123.9	3.51	0.27	0.0087	0.0071	38.74	1.184	15.348	2.4868	-0.04467	-0.03598	-0.06779	-0.01796	-0.01447	-0.02726	-0.00254	-0.00176	-0.00280
9315	2019.89	124.1	3.51	0.27	0.0080	0.0067	38.86	1.184	15.475	2.4872	-0.04723	-0.03030	-0.06907	-0.01899	-0.01218	-0.02777	-0.00356	0.00052	-0.00331
9316	2020.03	124.0	3.51	0.27	0.0084	0.0041	38.99	1.184	15.599	2.4873	-0.04412	-0.02751	-0.07047	-0.01774	-0.01106	-0.02833	-0.00232	0.00164	-0.00387
9317	2019.74	123.8	3.51	0.27	0.0080	0.0077	39.11	1.184	15.724	2.4867	-0.04016	-0.02765	-0.07155	-0.01615	-0.01112	-0.02877	-0.00073	0.00159	-0.00431
9318	2020.03	124.1	3.51	0.28	0.0097	0.0095	39.23	1.184	15.835	2.4865	-0.03743	-0.02634	-0.07197	-0.01505	-0.01059	-0.02895	0.00037	0.00211	-0.00448
9319	2020.32	124.1	3.51	0.27	0.0084	0.0079	39.36	1.184	15.973	2.4878	-0.03405	-0.02730	-0.06998	-0.01369	-0.01097	-0.02813	0.00174	0.00173	-0.00366
9320	2020.32	124.0	3.51	0.27	0.0101	0.0079	39.49	1.184	16.097	2.4874	-0.03279	-0.02657	-0.06675	-0.01318	-0.01068	-0.02684	0.00224	0.00202	-0.00237
9321	2019.60	124.2	3.51	0.27	0.0060	0.0084	39.61	1.184	16.229	2.4866	-0.03306	-0.02795	-0.06009	-0.01330	-0.01124	-0.02417	0.00213	0.00146	0.00030
9322	2020.32	124.2	3.51	0.27	0.0063	0.0086	39.74	1.184	16.346	2.4877	-0.03437	-0.02818	-0.05839	-0.01382	-0.01133	-0.02347	0.00161	0.00138	0.00099
9323	2019.60	124.1	3.51	0.27	0.0073	0.0101	39.86	1.184	16.472	2.4866	-0.03490	-0.02936	-0.05968	-0.01404	-0.01181	-0.02400	0.00139	0.00090	0.00046
9324	2020.18	124.1	3.51	0.26	0.0080	0.0067	39.99	1.183	16.609	2.4867	-0.03451	-0.02884	-0.06289	-0.01388	-0.01160	-0.02529	0.00155	0.00111	-0.00082
9325	2020.18	124.1	3.51	0.27	0.0094	0.0056	40.11	1.184	16.722	2.4870	-0.03449	-0.02906	-0.06511	-0.01387	-0.01168	-0.02618	0.00155	0.00102	-0.00172
9326	2020.03	124.1	3.51	0.28	0.0091	0.0036	40.24	1.184	16.841	2.4855	-0.03302	-0.02846	-0.06780	-0.01328	-0.01145	-0.02728	0.00214	0.00125	-0.00281
9327	2019.89	124.1	3.51	0.30	0.0094	0.0056	40.36	1.185	16.947	2.4866	-0.03520	-0.02910	-0.07100	-0.01416	-0.01170	-0.02855	0.00127	0.00100	-0.00409
9328	2019.89	124.0	3.51	0.27	0.0056	0.0091	40.49	1.184	17.098	2.4868	-0.03619	-0.02986	-0.07046	-0.01455	-0.01201	-0.02833	0.00087	0.00070	-0.00387
9329	2020.32	124.0	3.51	0.28	0.0070	0.0062	40.61	1.184	17.216	2.4874	-0.03609	-0.03188	-0.06665	-0.01451	-0.01281	-0.02679	0.00091	-0.00011	-0.00233
9330	2019.60	124.2	3.51	0.26	0.0046	0.0086	40.73	1.183	17.364	2.4873	-0.03808	-0.03074	-0.06054	-0.01531	-0.01236	-0.02434	0.00012	0.00035	0.00013
9331	2019.74	124.0	3.51	0.27	0.0091	0.0055	40.86	1.184	17.474	2.4862	-0.03621	-0.03024	-0.05715	-0.01457	-0.01216	-0.02299	0.00086	0.00054	0.00148
9332	2020.03	123.8	3.51	0.27	0.0073	0.0101	40.99	1.184	17.600	2.4866	-0.03565	-0.02949	-0.05684	-0.01433	-0.01186	-0.02286	0.00109	0.00085	0.00161
9333	2019.74	123.9	3.51	0.26	0.0074	0.0054	41.11	1.183	17.733	2.4866	-0.03580	-0.02958	-0.05609	-0.01440	-0.01190	-0.02256	0.00103	0.00081	0.00191
9334	2020.18	124.0	3.51	0.27	0.0067	0.0060	41.24	1.184	17.852	2.4864	-0.03479	-0.02922	-0.05663	-0.01399	-0.01175	-0.02278	0.00143	0.00095	0.00169
9335	2020.18	123.9	3.51	0.27	0.0080	0.0002	41.36	1.184	17.966	2.4859	-0.03450	-0.02737	-0.05640	-0.01388	-0.01101	-0.02269	0.00155	0.00169	0.00178
9336	2020.18	124.2	3.51	0.27	0.0060	0.0047	41.49	1.183	18.105	2.4872	-0.03648	-0.02931	-0.05834	-0.01467	-0.01179	-0.02346	0.00075	0.00092	0.00101
9337	2020.18	124.1	3.51	0.27	0.0070	0.0025	41.61	1.184	18.221	2.4867	-0.03546	-0.02957	-0.05807	-0.01426	-0.01189	-0.02335	0.00116	0.00081	0.00111
9338	2020.32	124.1	3.51	0.27	0.0084	0.0032	41.73	1.184	18.343	2.4878	-0.03596	-0.03058	-0.06037	-0.01446	-0.01229	-0.02427	0.00097	0.00041	0.00020
9339	2020.03	123.9	3.51	0.27	0.0080	0.0012	41.86	1.184	18.472	2.4871	-0.03621	-0.02946	-0.05954	-0.01456	-0.01184	-0.02394	0.00086	0.00086	0.00053
9340	2020.32	123.9	3.51	0.26	0.0063	0.0077	41.98	1.183	18.609	2.4865	-0.03534	-0.02841	-0.05906	-0.01421	-0.01143	-0.02375	0.00121	0.00128	0.00071
9341	2019.60	124.1	3.51	0.28	0.0080	0.0058	42.11	1.184	18.715	2.4866	-0.03699	-0.02881	-0.06051	-0.01488	-0.01159	-0.02433	0.00055	0.00112	0.00013
9342</																			

Table A15. Run 148.

Run = 148

M = 1.60

xspos = 40.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9784	1885.68	124.3	3.50	0.23	0.0166	0.0292	21.36	1.675	-6.257	3.1310	-0.00543	-0.01327	-0.04354	-0.00173	-0.00424	-0.01391	0.00006	-0.00015	0.00007
9785	1888.56	124.0	3.51	0.24	0.0221	0.0229	21.49	1.676	-6.144	3.1353	-0.00530	-0.01274	-0.04340	-0.00169	-0.00406	-0.01384	0.00010	0.00002	0.00014
9786	1886.40	124.2	3.50	0.24	0.0211	0.0205	21.61	1.676	-6.020	3.1317	-0.00510	-0.01150	-0.04389	-0.00163	-0.00367	-0.01402	0.00016	0.00041	-0.00003
9787	1888.70	124.0	3.51	0.23	0.0183	0.0264	21.74	1.676	-5.885	3.1360	-0.00632	-0.01351	-0.04386	-0.00202	-0.00431	-0.01398	-0.00022	-0.00022	0.00000
9788	1887.41	124.2	3.51	0.24	0.0211	0.0251	21.87	1.676	-5.767	3.1334	-0.00595	-0.01298	-0.04436	-0.00190	-0.00414	-0.01416	-0.00010	-0.00006	-0.00018
9789	1889.14	124.0	3.51	0.24	0.0221	0.0229	21.99	1.676	-5.645	3.1358	-0.00546	-0.01225	-0.04275	-0.00174	-0.00391	-0.01363	0.00005	0.00018	0.00035
9790	1887.84	124.3	3.51	0.24	0.0211	0.0260	22.11	1.676	-5.518	3.1341	-0.00751	-0.01249	-0.04446	-0.00240	-0.00399	-0.01419	-0.00060	0.00010	-0.00021
9791	1888.56	124.1	3.51	0.24	0.0224	0.0268	22.24	1.676	-5.393	3.1353	-0.00666	-0.01123	-0.04393	-0.00212	-0.00358	-0.01401	-0.00033	0.00050	-0.00003
9792	1887.55	124.1	3.51	0.24	0.0200	0.0301	22.37	1.676	-5.262	3.1341	-0.00627	-0.01237	-0.04411	-0.00200	-0.00395	-0.01408	-0.00021	0.00014	-0.00009
9793	1889.28	124.1	3.51	0.24	0.0186	0.0377	22.49	1.676	-5.136	3.1361	-0.00459	-0.01187	-0.04337	-0.00146	-0.00379	-0.01383	0.00033	0.00030	0.00015
9794	1888.13	124.0	3.51	0.24	0.0207	0.0268	22.62	1.676	-5.016	3.1350	-0.00698	-0.01256	-0.04367	-0.00223	-0.00401	-0.01393	-0.00043	0.00008	0.00005
9795	1887.12	124.1	3.51	0.24	0.0190	0.0268	22.74	1.676	-4.891	3.1340	-0.00646	-0.01273	-0.04489	-0.00206	-0.00406	-0.01432	-0.00027	0.00002	-0.00034
9796	1888.42	123.8	3.51	0.22	0.0214	0.0234	22.86	1.675	-4.752	3.1359	-0.00604	-0.01342	-0.04452	-0.00193	-0.00428	-0.01420	-0.00013	-0.00019	-0.00022
9797	1885.97	124.1	3.50	0.22	0.0190	0.0315	22.99	1.675	-4.627	3.1305	-0.00631	-0.01099	-0.04368	-0.00201	-0.00351	-0.01395	-0.00022	0.00057	0.00003
9798	1888.99	123.8	3.51	0.23	0.0190	0.0351	23.11	1.675	-4.505	3.1361	-0.00467	-0.01115	-0.04385	-0.00149	-0.00356	-0.01398	0.00030	0.00053	0.00000
9799	1886.69	123.9	3.51	0.23	0.0235	0.0292	23.24	1.676	-4.392	3.1324	-0.00509	-0.01200	-0.04392	-0.00163	-0.00383	-0.01402	0.00017	0.00025	-0.00004
9800	1888.42	123.6	3.51	0.22	0.0217	0.0273	23.36	1.675	-4.257	3.1353	-0.00523	-0.01188	-0.04371	-0.00167	-0.00379	-0.01394	0.00012	0.00029	0.00004
9801	1886.40	123.9	3.51	0.22	0.0180	0.0309	23.49	1.675	-4.120	3.1322	-0.00595	-0.01298	-0.04381	-0.00190	-0.00414	-0.01399	-0.00010	-0.00006	-0.00001
9802	1888.56	123.9	3.51	0.23	0.0180	0.0290	23.61	1.675	-4.005	3.1351	-0.00618	-0.01202	-0.04306	-0.00197	-0.00383	-0.01374	-0.00018	0.00025	0.00025
9803	1886.40	124.2	3.50	0.21	0.0156	0.0305	23.74	1.674	-3.863	3.1310	-0.00543	-0.01327	-0.04280	-0.00173	-0.00424	-0.01367	0.00006	-0.00015	0.00031
9804	1888.70	123.8	3.51	0.22	0.0183	0.0273	23.87	1.675	-3.753	3.1363	-0.00576	-0.01288	-0.04469	-0.00184	-0.00411	-0.01425	-0.00004	-0.00002	-0.00027
9805	1886.98	124.1	3.51	0.21	0.0121	0.0342	23.99	1.674	-3.612	3.1316	-0.00536	-0.01061	-0.04338	-0.00171	-0.00339	-0.01385	0.00008	0.00070	0.00013
9806	1889.14	124.1	3.51	0.24	0.0228	0.0223	24.11	1.676	-3.517	3.1358	-0.00582	-0.01076	-0.04323	-0.00186	-0.00343	-0.01379	-0.00006	0.00065	0.00019
9807	1887.70	124.6	3.50	0.23	0.0190	0.0277	24.24	1.675	-3.383	3.1332	-0.00673	-0.01090	-0.04354	-0.00215	-0.00348	-0.01390	-0.00035	0.00060	0.00009
9808	1889.28	124.2	3.51	0.24	0.0190	0.0249	24.36	1.676	-3.263	3.1363	-0.00530	-0.01186	-0.04319	-0.00169	-0.00378	-0.01377	0.00010	0.00030	0.00021
9809	1888.70	124.4	3.51	0.23	0.0200	0.0273	24.49	1.676	-3.136	3.1343	-0.00506	-0.01026	-0.04194	-0.00161	-0.00327	-0.01338	0.00018	0.00081	0.00060
9810	1888.13	124.2	3.51	0.24	0.0214	0.0216	24.61	1.676	-3.017	3.1353	-0.00519	-0.00858	-0.04395	-0.00165	-0.00274	-0.01402	0.00014	0.00135	-0.00004
9811	1888.42	124.1	3.51	0.23	0.0169	0.0284	24.74	1.675	-2.883	3.1347	-0.00314	-0.00830	-0.04235	-0.00100	-0.00265	-0.01351	0.00079	0.00143	0.00047
9812	1886.98	124.1	3.51	0.22	0.0166	0.0283	24.86	1.675	-2.751	3.1339	-0.00255	-0.00995	-0.04415	-0.00081	-0.00317	-0.01409	0.00098	0.00091	-0.00011
9813	1889.14	123.8	3.51	0.23	0.0166	0.0273	24.99	1.675	-2.626	3.1356	-0.00236	-0.01053	-0.04308	-0.00075	-0.00336	-0.01374	0.00104	0.00073	0.00024
9814	1887.70	123.8	3.51	0.24	0.0173	0.0277	25.11	1.676	-2.512	3.1349	-0.00460	-0.01342	-0.04392	-0.00147	-0.00428	-0.01401	0.00033	-0.00020	-0.00003
9815	1888.70	123.8	3.51	0.23	0.0173	0.0323	25.24	1.675	-2.378	3.1355	-0.00561	-0.01439	-0.04232	-0.00179	-0.00459	-0.01350	0.00000	-0.00051	0.00048
9816	1888.13	124.0	3.51	0.23	0.0204	0.0266	25.36	1.675	-2.259	3.1356	-0.00792	-0.01222	-0.04352	-0.00253	-0.00390	-0.01388	-0.00073	0.00019	0.00010
9817	1888.27	123.9	3.51	0.23	0.0183	0.0292	25.49	1.675	-2.134	3.1341	-0.00620	-0.01058	-0.04256	-0.00198	-0.00338	-0.01358	-0.00018	0.00071	0.00040
9818	1888.42	123.9	3.51	0.23	0.0200	0.0236	25.62	1.676	-2.012	3.1348	-0.00590	-0.00660	-0.04060	-0.00188	-0.00211	-0.01295	-0.00009	0.00198	0.00103
9819	1888.42	123.8	3.51	0.23	0.0183	0.0292	25.74	1.676	-1.884	3.1360	-0.00110	-0.00371	-0.04176	-0.00035	-0.00118	-0.01331	0.00144	0.00290	0.00067
9820	1888.70	123.8	3.51	0.24	0.0180	0.0243	25.86	1.676	-1.762	3.1359	0.00033	-0.00361	-0.04064	0.00011	-0.00115	-0.01296	0.00190	0.00293	0.00102
9821	1888.13	123.9	3.51	0.24	0.0197	0.0281	25.99	1.676	-1.645	3.1349	0.00064	-0.00688	-0.04303	0.00020	-0.00220	-0.01373	0.00200	0.00189	0.00025
9822	1889.14	123.9	3.51	0.25	0.0224	0.0231	26.11	1.676	-1.526	3.1360	0.00108	-0.00857	-0.04165	0.00034	-0.00273	-0.01328	0.00214	0.00135	0.00070
9823	1887.70	124.0	3.51	0.24	0.0190	0.0258	26.24	1.676	-1.395	3.1334	-0.00167	-0.01257	-0.04431	-0.00053	-0.00401	-0.01414	0.00126	0.00007	-0.00016
9824	1887.84	124.0	3.51	0.24	0.0169	0.0331	26.36	1.676	-1.261	3.1350	-0.00571	-0.01553	-0.04513	-0.00182	-0.00495	-0.01440	-0.00003	-0.00087	-0.00041
9825	1888.42	124.1	3.51	0.25	0.0193	0.0297	26.49	1.676	-1.148	3.1352	-0.00756	-0.01505	-0.04334	-0.00241	-0.00480	-0.01383	-0.00062	-0.00071	0.00016
9826	1886.26	124.3	3.50	0.24	0.0187	0.0247	26.62	1.676	-1.015	3.1322	-0.00892	-0.01148	-0.04117	-0.00285	-0.00366	-0.01314	-0.00105	0.00042	0.00084
9827	1888.27	123.9	3.51	0.25	0.0207	0.0268	26.74	1.676	-0.898	3.1351	-0.00772	-0.00677	-0.03908	-0.00246	-0.00216	-0.01247	-0.00067	0.00192	0.00152
9828	1886.69	124.1	3.51	0.26	0.0207	0.0231	26.86	1.677	-0.782	3.1318	-0.00159	-0.00002	-0.03513	-0.00051	-0.00001	-0.01122	0.00129	0.00408	0.00277
9829	1888.99	124.1	3.51	0.24	0.0217	0.0236	26.99	1.676	-0.647	3.1368	0.00309	-0.00104	-0.03812	0.00099	-0.00033	-0.01215	0.00278	0.00375	0.00183
9830	1886.98	124.3	3.50	0.24	0.0221	0.0257	27.11	1.676	-0.520	3.1324	0.00393	-0.00116	-0.03711	0.00125	-0.00037	-0.01185	0.00305	0.00371	0.00214
9831	1888.85	124.0	3.51	0.25	0.0207	0.0286	27.24	1.676	-0.399	3.1354	0.00339	-0.00580	-0.04087	0.00108	-0.00185	-0.01303	0.00288	0.00223	0.00095
9832	1886.26	124.3	3.50	0.25	0.0238	0.0276	27.36	1.677	-0.278	3.1325	0.00150	-0.00971	-0.04493	0.00048	-0.00310	-0.01434	0.00227	0.00098	-0.00036
9833	1889.28	124.1	3.51	0.23	0.0190	0.0286	27.49	1.675	-0.131	3.1362	-0.00294	-0.01193	-0.04496	-0.00094	-0.00381	-0.01434	0.00086	0.00028	-0.00035
9834	1887.41	124.2	3.51	0.25	0.0207	0.0324	27.61	1.676	-0.025	3.1331	-0.00527	-0.01307	-0.04567	-0.00168	-0.00417	-0.01458	0.00011	-0.00009	-0.00060
9835	1888.56	124.1	3.51	0.24	0.0176	0.0316	27.74	1.676	0.107	3.1356	-0.00929	-0.01098	-0.04255	-0.00296	-0.00350	-0.01357	-0.00117	0.00058	0.00041
9836	1887.41	124.2	3.51	0.25	0.0228	0.0289	27.86	1.676	0.224	3.1325	-0.00908	-0.00662	-0.03850	-0.00290	-0.00211	-0.01229	-0.00111	0.00197	0.00169
9837	1887.41	124.2	3.51	0.25	0.0211</														

Table A15. Continued.

Run = 148

M = 1.60

xsppos = 40.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9857	1887.84	124.2	3.51	0.24	0.0252	0.0246	30.49	1.676	2.855	3.1347	0.00278	-0.00246	-0.03351	0.00089	-0.00079	-0.01069	0.00268	0.00330	0.00329
9858	1887.70	124.2	3.51	0.24	0.0252	0.0246	30.61	1.676	2.979	3.1350	0.00419	-0.00089	-0.03137	0.00134	-0.00029	-0.01001	0.00313	0.00380	0.00397
9859	1888.27	124.0	3.51	0.24	0.0265	0.0244	30.74	1.676	3.103	3.1347	0.00300	-0.00151	-0.03258	0.00096	-0.00048	-0.01039	0.00275	0.00360	0.00359
9860	1886.11	124.3	3.50	0.24	0.0273	0.0201	30.86	1.676	3.228	3.1313	0.00311	-0.00047	-0.03277	0.00099	-0.00015	-0.01046	0.00279	0.00393	0.00352
9861	1888.70	123.8	3.51	0.23	0.0224	0.0286	30.99	1.676	3.359	3.1360	0.00206	-0.00101	-0.03480	0.00066	-0.00032	-0.01110	0.00245	0.00376	0.00288
9862	1886.40	124.2	3.50	0.23	0.0228	0.0279	31.12	1.675	3.492	3.1320	0.00323	-0.00006	-0.03421	0.00103	-0.00002	-0.01092	0.00283	0.00407	0.00306
9863	1888.85	124.0	3.51	0.23	0.0217	0.0320	31.24	1.676	3.617	3.1352	0.00446	0.00224	-0.03353	0.00142	0.00071	-0.01069	0.00322	0.00480	0.00329
9864	1886.54	124.4	3.50	0.20	0.0176	0.0372	31.37	1.674	3.766	3.1321	0.00395	0.00170	-0.03487	0.00126	0.00054	-0.01113	0.00306	0.00463	0.00285
9865	1889.28	123.9	3.51	0.23	0.0241	0.0296	31.49	1.676	3.860	3.1373	0.00601	0.00057	-0.03323	0.00192	0.00018	-0.01059	0.00371	0.00427	0.00339
9866	1886.40	124.1	3.50	0.22	0.0221	0.0285	31.62	1.675	3.995	3.1319	0.00726	0.00159	-0.03334	0.00232	0.00051	-0.01064	0.00411	0.00459	0.00334
9867	1889.14	123.8	3.51	0.23	0.0217	0.0301	31.74	1.676	4.112	3.1364	0.00543	0.00200	-0.03298	0.00173	0.00064	-0.01052	0.00352	0.00472	0.00347
9868	1888.13	123.8	3.51	0.23	0.0235	0.0283	31.86	1.676	4.240	3.1345	0.00601	0.00073	-0.03329	0.00192	0.00023	-0.01062	0.00371	0.00432	0.00336
9869	1887.41	123.9	3.51	0.22	0.0211	0.0288	31.99	1.675	4.376	3.1343	0.00574	-0.00090	-0.03325	0.00183	-0.00029	-0.01061	0.00363	0.00380	0.00337
9870	1888.27	123.9	3.51	0.20	0.0207	0.0277	32.11	1.674	4.515	3.1348	0.00359	-0.00054	-0.03252	0.00114	-0.00017	-0.01037	0.00294	0.00391	0.00361
9871	1887.84	124.0	3.51	0.23	0.0248	0.0207	32.24	1.676	4.613	3.1351	0.00593	0.00034	-0.03225	0.00189	0.00011	-0.01029	0.00369	0.00419	0.00369
9872	1888.56	124.0	3.51	0.23	0.0228	0.0251	32.36	1.675	4.742	3.1360	0.00350	0.00350	-0.03238	0.00111	0.00112	-0.01032	0.00291	0.00520	0.00366
9873	1886.40	124.2	3.50	0.25	0.0187	0.0303	32.49	1.676	4.855	3.1322	0.00726	0.00561	-0.03059	0.00232	0.00179	-0.00977	0.00411	0.00588	0.00422
9874	1888.56	124.0	3.51	0.24	0.0186	0.0312	32.62	1.676	4.986	3.1361	0.00876	0.00482	-0.03100	0.00279	0.00154	-0.00989	0.00459	0.00562	0.00410
9875	1886.26	124.2	3.50	0.26	0.0207	0.0296	32.74	1.677	5.094	3.1331	0.00960	0.00623	-0.03224	0.00307	0.00199	-0.01029	0.00486	0.00607	0.00369
9876	1888.70	124.1	3.51	0.23	0.0204	0.0322	32.86	1.676	5.236	3.1348	0.01057	0.00787	-0.03002	0.00337	0.00251	-0.00958	0.00517	0.00659	0.00441
9877	1886.40	124.3	3.50	0.25	0.0183	0.0367	32.99	1.676	5.350	3.1334	0.01018	0.00326	-0.03235	0.00325	0.00104	-0.01032	0.00504	0.00513	0.00366
9878	1888.42	124.1	3.51	0.24	0.0166	0.0403	33.11	1.676	5.490	3.1358	0.00808	0.00307	-0.03119	0.00258	0.00098	-0.00995	0.00437	0.00506	0.00403
9879	1885.54	124.3	3.50	0.22	0.0176	0.0335	33.24	1.675	5.623	3.1315	0.00554	0.00339	-0.03266	0.00177	0.00108	-0.01043	0.00356	0.00517	0.00355
9880	1889.28	123.9	3.51	0.22	0.0152	0.0349	33.37	1.675	5.752	3.1376	0.00665	0.00215	-0.03026	0.00212	0.00069	-0.00964	0.00391	0.00477	0.00434
9881	1887.12	124.2	3.51	0.23	0.0183	0.0292	33.49	1.676	5.865	3.1332	0.00506	0.00003	-0.02914	0.00161	0.00001	-0.00930	0.00341	0.00409	0.00468
9882	1889.71	123.9	3.51	0.21	0.0166	0.0310	33.61	1.675	6.005	3.1376	0.00726	0.00210	-0.02616	0.00231	0.00067	-0.00834	0.00411	0.00475	0.00565
9883	1887.12	124.1	3.51	0.23	0.0169	0.0312	33.74	1.675	6.117	3.1337	0.00653	0.00224	-0.02649	0.00208	0.00072	-0.00845	0.00388	0.00480	0.00553
9884	1888.70	123.6	3.51	0.22	0.0162	0.0318	33.87	1.675	6.252	3.1358	0.00735	0.00683	-0.02670	0.00234	0.00218	-0.00851	0.00414	0.00626	0.00547
9885	1887.12	124.1	3.51	0.24	0.0193	0.0326	33.99	1.676	6.358	3.1326	0.01129	0.00649	-0.02717	0.00360	0.00207	-0.00867	0.00540	0.00615	0.00531
9886	1889.14	123.9	3.51	0.23	0.0183	0.0301	34.11	1.676	6.489	3.1367	0.01020	0.00849	-0.02915	0.00325	0.00271	-0.00929	0.00505	0.00679	0.00469
9887	1887.55	124.4	3.50	0.23	0.0162	0.0355	34.24	1.675	6.618	3.1340	0.01166	0.00736	-0.02808	0.00372	0.00235	-0.00896	0.00552	0.00643	0.00502
9888	1889.28	124.0	3.51	0.23	0.0173	0.0342	34.36	1.675	6.744	3.1382	0.01138	0.00746	-0.03029	0.00363	0.00238	-0.00965	0.00542	0.00646	0.00433
9889	1888.27	124.1	3.51	0.23	0.0193	0.0325	34.49	1.676	6.862	3.1349	0.01304	0.00881	-0.02985	0.00416	0.00281	-0.00952	0.00595	0.00689	0.00446
9890	1888.42	124.2	3.51	0.23	0.0173	0.0370	34.61	1.675	6.993	3.1370	0.01328	0.00851	-0.03098	0.00423	0.00271	-0.00987	0.00603	0.00680	0.00411
9891	1888.42	124.3	3.51	0.22	0.0159	0.0418	34.74	1.675	7.133	3.1355	0.01312	0.00924	-0.02888	0.00418	0.00295	-0.00921	0.00598	0.00703	0.00477
9892	1886.40	124.3	3.50	0.23	0.0190	0.0380	34.86	1.675	7.246	3.1336	0.01261	0.01017	-0.02791	0.00402	0.00325	-0.00891	0.00582	0.00733	0.00508
9893	1888.70	124.2	3.51	0.23	0.0197	0.0383	34.99	1.676	7.364	3.1359	0.01308	0.01020	-0.02585	0.00417	0.00325	-0.00824	0.00596	0.00734	0.00574
9894	1887.55	124.2	3.51	0.23	0.0190	0.0370	35.11	1.675	7.492	3.1353	0.01375	0.01040	-0.02518	0.00439	0.00332	-0.00803	0.00618	0.00740	0.00595
9895	1888.56	123.8	3.51	0.23	0.0166	0.0422	35.24	1.675	7.615	3.1352	0.01395	0.00970	-0.02574	0.00445	0.00309	-0.00821	0.00624	0.00718	0.00577
9896	1887.98	124.1	3.51	0.24	0.0186	0.0359	35.36	1.676	7.736	3.1356	0.01441	0.00734	-0.02508	0.00460	0.00234	-0.00800	0.00639	0.00643	0.00598
9897	1888.85	124.1	3.51	0.24	0.0217	0.0339	35.49	1.676	7.861	3.1359	0.01272	0.00509	-0.02406	0.00406	0.00162	-0.00767	0.00585	0.00571	0.00631
9898	1887.41	124.1	3.51	0.24	0.0204	0.0387	35.61	1.676	7.979	3.1351	0.01044	0.00280	-0.02386	0.00333	0.00089	-0.00761	0.00512	0.00498	0.00637
9899	1888.56	124.1	3.51	0.22	0.0166	0.0422	35.74	1.675	8.123	3.1357	0.00822	-0.00022	-0.02378	0.00262	-0.00007	-0.00758	0.00441	0.00402	0.00640
9900	1887.12	124.2	3.50	0.22	0.0162	0.0383	35.86	1.675	8.252	3.1342	0.00416	-0.00402	-0.02394	0.00133	-0.00128	-0.00764	0.00312	0.00280	0.00634
9901	1888.13	124.0	3.51	0.24	0.0193	0.0381	35.99	1.676	8.361	3.1335	0.00283	-0.00199	-0.02153	0.00090	-0.00063	-0.00687	0.00270	0.00345	0.00711
9902	1887.26	124.1	3.51	0.24	0.0214	0.0384	36.11	1.676	8.480	3.1349	0.00217	-0.00563	-0.02178	0.00069	-0.00180	-0.00695	0.00249	0.00229	0.00704
9903	1888.56	124.0	3.51	0.24	0.0221	0.0359	36.24	1.676	8.607	3.1355	-0.00028	-0.00592	-0.02120	-0.00009	-0.00189	-0.00676	0.00170	0.00220	0.00722
9904	1887.70	124.0	3.51	0.23	0.0183	0.0413	36.36	1.675	8.742	3.1354	-0.00370	-0.01298	-0.02656	-0.00118	-0.00414	-0.00847	0.00061	-0.00005	0.00551
9905	1887.98	124.0	3.51	0.25	0.0221	0.0369	36.49	1.676	8.848	3.1340	-0.00445	-0.01196	-0.02369	-0.00142	-0.00382	-0.00756	0.00037	0.00027	0.00642
9906	1887.41	124.1	3.51	0.23	0.0228	0.0363	36.61	1.676	8.984	3.1356	-0.00889	-0.01904	-0.02830	-0.00284	-0.00607	-0.00903	-0.00104	-0.00199	0.00496
9907	1888.70	123.9	3.51	0.24	0.0197	0.0392	36.74	1.676	9.106	3.1355	-0.01151	-0.02348	-0.03021	-0.00367	-0.00749	-0.00963	-0.00188	-0.00340	0.00435
9908	1888.70	123.9	3.51	0.24	0.0231	0.0327	36.86	1.676	9.228	3.1358	-0.01688	-0.02803	-0.03214	-0.00538	-0.00894	-0.01025	-0.00359	-0.00486	0.00373
9909	1888.13	124.1	3.51	0.24	0.0221	0.0378	36.99	1.676	9.360	3.1360	-0.02042	-0.03502	-0.03543	-0.00651	-0.01117	-0.01130	-0.00472	-0.00708	0.00269
9910	1889.28	124.0	3.51	0.23	0.0190														

Table A15. Concluded.

Run = 148

M = 1.60

xspos = 40.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9930	1888.56	124.1	3.51	0.22	0.0193	0.0363	39.61	1.675	11.995	3.1366	-0.01381	-0.01885	-0.06290	-0.00440	-0.00601	-0.02005	-0.00261	-0.00192	-0.00607
9931	1888.42	124.0	3.51	0.25	0.0258	0.0333	39.74	1.677	12.099	3.1356	-0.01304	-0.01910	-0.06527	-0.00416	-0.00609	-0.02082	-0.00236	-0.00201	-0.00683
9932	1888.85	124.0	3.51	0.23	0.0217	0.0385	39.86	1.676	12.240	3.1372	-0.01102	-0.01545	-0.05765	-0.00351	-0.00493	-0.01838	-0.00172	-0.00084	-0.00439
9933	1888.27	124.1	3.51	0.23	0.0210	0.0354	39.99	1.675	12.367	3.1348	-0.01094	-0.01276	-0.05303	-0.00349	-0.00407	-0.01692	-0.00169	0.00001	-0.00293
9934	1889.28	124.0	3.51	0.24	0.0176	0.0390	40.11	1.676	12.488	3.1376	-0.00927	-0.01252	-0.05065	-0.00295	-0.00399	-0.01614	-0.00116	0.00009	-0.00216
9935	1887.41	124.5	3.50	0.23	0.0207	0.0352	40.24	1.675	12.616	3.1331	-0.00692	-0.01402	-0.04860	-0.00221	-0.00448	-0.01551	-0.00041	-0.00039	-0.00153
9936	1887.98	124.2	3.51	0.25	0.0238	0.0294	40.37	1.677	12.725	3.1353	-0.00620	-0.01527	-0.05048	-0.00198	-0.00487	-0.01610	-0.00018	-0.00078	-0.00212
9937	1888.85	124.2	3.51	0.25	0.0238	0.0294	40.49	1.677	12.847	3.1369	-0.00856	-0.01824	-0.05117	-0.00273	-0.00582	-0.01631	-0.00094	-0.00173	-0.00233
9938	1888.99	123.9	3.51	0.24	0.0204	0.0322	40.61	1.676	12.980	3.1364	-0.00929	-0.01781	-0.04813	-0.00296	-0.00568	-0.01534	-0.00117	-0.00159	-0.00136
9939	1888.27	123.8	3.51	0.25	0.0210	0.0335	40.74	1.677	13.098	3.1353	-0.01105	-0.01803	-0.05054	-0.00352	-0.00575	-0.01612	-0.00173	-0.00167	-0.00214
9940	1888.13	124.0	3.51	0.25	0.0252	0.0283	40.87	1.677	13.218	3.1359	-0.01047	-0.02049	-0.05113	-0.00334	-0.00653	-0.01631	-0.00155	-0.00245	-0.00232
9941	1888.85	124.0	3.51	0.24	0.0190	0.0389	40.99	1.676	13.355	3.1361	-0.01252	-0.02297	-0.04983	-0.00399	-0.00732	-0.01589	-0.00220	-0.00324	-0.00191
9942	1887.12	124.1	3.51	0.25	0.0204	0.0331	41.11	1.676	13.478	3.1345	-0.01543	-0.02390	-0.04800	-0.00492	-0.00762	-0.01531	-0.00313	-0.00354	-0.00133
9943	1888.70	123.9	3.51	0.25	0.0245	0.0261	41.24	1.677	13.593	3.1360	-0.01568	-0.02329	-0.04865	-0.00500	-0.00743	-0.01551	-0.00321	-0.00334	-0.00153
9944	1886.83	123.9	3.51	0.25	0.0187	0.0331	41.37	1.676	13.731	3.1336	-0.01619	-0.02089	-0.04867	-0.00517	-0.00667	-0.01553	-0.00337	-0.00258	-0.00155
9945	1888.99	124.0	3.51	0.26	0.0231	0.0262	41.49	1.677	13.841	3.1369	-0.01441	-0.01928	-0.04811	-0.00460	-0.00615	-0.01534	-0.00280	-0.00206	-0.00136
9946	1887.84	124.1	3.51	0.25	0.0176	0.0344	41.61	1.676	13.978	3.1356	-0.01118	-0.01519	-0.04786	-0.00357	-0.00484	-0.01526	-0.00177	-0.00076	-0.00128
9947	1888.13	124.3	3.51	0.25	0.0193	0.0288	41.74	1.677	14.096	3.1347	-0.00503	-0.01210	-0.04834	-0.00160	-0.00386	-0.01542	0.00019	0.00022	-0.00144
9948	1888.56	124.1	3.51	0.26	0.0224	0.0259	41.87	1.677	14.221	3.1353	-0.00604	-0.01237	-0.04861	-0.00193	-0.00395	-0.01550	-0.00013	0.00014	-0.00152
9949	1888.27	124.1	3.51	0.24	0.0200	0.0348	41.99	1.676	14.354	3.1349	-0.00612	-0.01473	-0.05089	-0.00195	-0.00470	-0.01623	-0.00016	-0.00061	-0.00225
9950	1888.42	123.9	3.51	0.25	0.0210	0.0326	42.12	1.677	14.477	3.1357	-0.00950	-0.01913	-0.05288	-0.00303	-0.00610	-0.01686	-0.00124	-0.00202	-0.00288
9951	1888.13	124.1	3.51	0.26	0.0210	0.0354	42.24	1.677	14.594	3.1357	-0.01142	-0.02078	-0.05490	-0.00364	-0.00663	-0.01751	-0.00185	-0.00254	-0.00353
9952	1888.27	124.1	3.51	0.24	0.0210	0.0316	42.36	1.676	14.732	3.1359	-0.01286	-0.02090	-0.05163	-0.00410	-0.00666	-0.01646	-0.00231	-0.00258	-0.00248
9953	1888.27	124.2	3.51	0.25	0.0241	0.0296	42.49	1.677	14.844	3.1345	-0.01523	-0.01730	-0.04907	-0.00486	-0.00552	-0.01566	-0.00306	-0.00144	-0.00167
9954	1889.14	123.9	3.51	0.23	0.0207	0.0305	42.61	1.676	14.989	3.1370	-0.01117	-0.01332	-0.04689	-0.00356	-0.00425	-0.01495	-0.00177	-0.00016	-0.00097
9955	1887.70	124.1	3.51	0.24	0.0207	0.0305	42.74	1.676	15.109	3.1344	-0.00674	-0.01003	-0.04457	-0.00215	-0.00320	-0.01422	-0.00036	0.00088	-0.00024
9956	1888.70	123.9	3.51	0.24	0.0221	0.0266	42.87	1.676	15.233	3.1358	-0.00280	-0.00802	-0.04322	-0.00089	-0.00256	-0.01378	0.00090	0.00153	0.00020
9957	1888.13	124.0	3.51	0.22	0.0193	0.0344	42.99	1.675	15.376	3.1347	-0.00250	-0.00654	-0.04453	-0.00080	-0.00209	-0.01421	0.00100	0.00200	-0.00022
9958	1889.14	124.0	3.51	0.24	0.0200	0.0329	43.11	1.676	15.485	3.1369	-0.00332	-0.00855	-0.04852	-0.00106	-0.00273	-0.01547	0.00074	0.00136	-0.00149
9959	1887.26	124.2	3.51	0.24	0.0214	0.0309	43.24	1.676	15.606	3.1336	-0.00347	-0.00841	-0.05083	-0.00111	-0.00268	-0.01622	0.00069	0.00140	-0.00224
9960	1888.85	123.9	3.51	0.23	0.0197	0.0309	43.36	1.675	15.741	3.1371	-0.00431	-0.01098	-0.05236	-0.00137	-0.00350	-0.01669	0.00042	0.00058	-0.00271
9961	1887.70	124.0	3.51	0.23	0.0200	0.0311	43.49	1.675	15.870	3.1345	-0.00294	-0.01251	-0.05073	-0.00094	-0.00399	-0.01618	0.00086	0.00009	-0.00220
9962	1889.28	123.9	3.51	0.24	0.0190	0.0333	43.61	1.676	15.984	3.1369	-0.00411	-0.01157	-0.04455	-0.00131	-0.00369	-0.01420	0.00049	0.00040	-0.00022
9963	1887.84	124.3	3.51	0.25	0.0238	0.0276	43.74	1.677	16.097	3.1352	-0.00493	-0.01337	-0.04487	-0.00157	-0.00427	-0.01431	0.00022	-0.00018	-0.00033
9964	1888.99	124.1	3.51	0.23	0.0190	0.0323	43.86	1.675	16.242	3.1382	-0.00584	-0.01238	-0.04156	-0.00186	-0.00395	-0.01324	-0.00007	0.00014	0.00074
9965	1888.27	124.1	3.51	0.24	0.0200	0.0339	43.99	1.676	16.355	3.1350	-0.00505	-0.01189	-0.03984	-0.00161	-0.00379	-0.01271	0.00018	0.00029	0.00127
9966	1889.28	123.9	3.51	0.24	0.0203	0.0322	44.11	1.676	16.480	3.1373	-0.00504	-0.01051	-0.04124	-0.00161	-0.00335	-0.01315	0.00019	0.00073	0.00084
9967	1887.41	124.1	3.51	0.23	0.0180	0.0383	44.24	1.675	16.623	3.1344	-0.00595	-0.01208	-0.04024	-0.00190	-0.00386	-0.01284	-0.00010	0.00023	0.00114
9968	1889.14	123.9	3.51	0.23	0.0179	0.0411	44.37	1.675	16.745	3.1382	-0.00487	-0.01300	-0.04173	-0.00155	-0.00414	-0.01330	0.00024	-0.00006	0.00068
9969	1886.69	124.4	3.50	0.22	0.0159	0.0391	44.49	1.675	16.878	3.1336	-0.00524	-0.01313	-0.04302	-0.00167	-0.00419	-0.01373	0.00012	-0.00011	0.00025
9970	1888.85	124.1	3.51	0.23	0.0197	0.0337	44.61	1.676	16.988	3.1364	-0.00698	-0.01065	-0.04175	-0.00222	-0.00339	-0.01331	-0.00043	0.00069	0.00067
9971	1888.56	124.1	3.51	0.24	0.0207	0.0324	44.74	1.676	17.110	3.1364	-0.00540	-0.01253	-0.04297	-0.00172	-0.00399	-0.01370	0.00007	0.00009	0.00028
9972	1888.85	123.9	3.51	0.24	0.0152	0.0387	44.87	1.676	17.239	3.1373	-0.00500	-0.01303	-0.04381	-0.00159	-0.00415	-0.01396	0.00020	-0.00007	0.00002
9973	1887.70	124.4	3.50	0.23	0.0210	0.0344	44.99	1.675	17.368	3.1346	-0.00567	-0.01220	-0.04379	-0.00181	-0.00389	-0.01397	-0.00002	0.00019	0.00001
9974	1888.13	124.3	3.51	0.23	0.0162	0.0402	45.11	1.675	17.492	3.1355	-0.00504	-0.00985	-0.04275	-0.00161	-0.00314	-0.01364	0.00019	0.00094	0.00035
9975	1888.27	124.3	3.51	0.23	0.0217	0.0348	45.24	1.675	17.616	3.1364	-0.00597	-0.01193	-0.04372	-0.00190	-0.00380	-0.01394	-0.00011	0.00028	0.00004
9976	1887.70	124.2	3.51	0.24	0.0214	0.0328	45.36	1.676	17.732	3.1352	-0.00533	-0.01213	-0.04324	-0.00170	-0.00387	-0.01379	0.00009	0.00021	0.00019

Table A16. Run 149.

Run = 149

M = 1.60

xspos = 42.345

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
9977	1888.85	124.0	3.51	0.22	0.0169	0.0415	21.36	1.675	-6.258	3.1365	-0.00871	0.03139	-0.03573	-0.00278	0.01001	-0.01139	-0.00012	-0.00015	-0.00016
9978	1885.68	124.3	3.50	0.23	0.0197	0.0356	21.48	1.675	-6.139	3.1314	-0.00916	0.03141	-0.03562	-0.00292	0.01003	-0.01138	-0.00027	-0.00013	-0.00014
9979	1888.99	124.2	3.51	0.24	0.0238	0.0247	21.61	1.676	-6.028	3.1368	-0.00828	0.03221	-0.03542	-0.00264	0.01027	-0.01129	0.00001	0.00011	-0.00006
9980	1885.54	124.5	3.50	0.23	0.0183	0.0292	21.73	1.675	-5.888	3.1308	-0.00761	0.03206	-0.03483	-0.00243	0.01024	-0.01113	0.00022	0.00008	0.00011
9981	1889.86	124.0	3.51	0.23	0.0234	0.0190	21.86	1.676	-5.771	3.1382	-0.00784	0.03219	-0.03450	-0.00250	0.01026	-0.01099	0.00015	0.00010	0.00024
9982	1886.40	124.4	3.50	0.22	0.0235	0.0209	21.98	1.675	-5.638	3.1324	-0.00864	0.03113	-0.03624	-0.00276	0.00994	-0.01157	-0.00010	-0.00022	-0.00033
9983	1889.71	124.0	3.51	0.20	0.0204	0.0210	22.11	1.674	-5.493	3.1389	-0.00983	0.03145	-0.03601	-0.00313	0.01002	-0.01147	-0.00048	-0.00014	-0.00024
9984	1886.54	124.5	3.50	0.22	0.0211	0.0214	22.23	1.675	-5.385	3.1325	-0.00875	0.03173	-0.03486	-0.00279	0.01013	-0.01113	-0.00014	-0.00003	0.00011
9985	1889.28	124.1	3.51	0.22	0.0200	0.0199	22.36	1.675	-5.263	3.1387	-0.00890	0.03037	-0.03613	-0.00284	0.00968	-0.01151	-0.00018	-0.00048	-0.00027
9986	1887.26	124.1	3.51	0.21	0.0231	0.0197	22.48	1.675	-5.127	3.1337	-0.00881	0.03233	-0.03455	-0.00281	0.01032	-0.01102	-0.00016	0.00016	0.00021
9987	1889.86	123.9	3.51	0.22	0.0241	0.0212	22.61	1.675	-5.014	3.1371	-0.00876	0.03368	-0.03477	-0.00279	0.01074	-0.01108	-0.00014	0.00058	0.00015
9988	1886.83	124.4	3.50	0.22	0.0214	0.0281	22.73	1.675	-4.887	3.1317	-0.00753	0.03330	-0.03555	-0.00240	0.01063	-0.01135	0.00025	0.00047	-0.00012
9989	1889.14	123.9	3.51	0.21	0.0217	0.0264	22.86	1.674	-4.749	3.1374	-0.01018	0.03155	-0.03526	-0.00325	0.01006	-0.01124	-0.00059	-0.00010	0.00000
9990	1887.12	124.0	3.51	0.20	0.0180	0.0327	22.98	1.674	-4.612	3.1343	-0.00899	0.03128	-0.03661	-0.00287	0.00998	-0.01168	-0.00021	-0.00018	-0.00044
9991	1889.28	123.7	3.51	0.21	0.0190	0.0342	23.11	1.675	-4.501	3.1377	-0.00815	0.03185	-0.03561	-0.00260	0.01015	-0.01135	0.00006	-0.00001	-0.00011
9992	1887.84	123.8	3.51	0.21	0.0210	0.0335	23.23	1.675	-4.378	3.1345	-0.00726	0.03224	-0.03578	-0.00232	0.01029	-0.01141	0.00034	0.00013	-0.00018
9993	1889.28	123.6	3.51	0.22	0.0258	0.0212	23.36	1.675	-4.267	3.1374	-0.00826	0.03307	-0.03486	-0.00263	0.01054	-0.01111	0.00002	0.00038	0.00013
9994	1887.26	123.9	3.51	0.21	0.0176	0.0316	23.48	1.675	-4.123	3.1341	-0.00787	0.03195	-0.03532	-0.00251	0.01020	-0.01127	0.00014	0.00004	-0.00003
9995	1889.28	123.8	3.51	0.22	0.0214	0.0281	23.61	1.675	-4.009	3.1380	-0.00856	0.03280	-0.03648	-0.00273	0.01022	-0.01163	-0.00007	0.00006	-0.00039
9996	1887.12	124.1	3.51	0.23	0.0211	0.0298	23.73	1.676	-3.895	3.1343	-0.00804	0.03048	-0.03697	-0.00256	0.00972	-0.01179	0.00009	-0.00044	-0.00056
9997	1889.57	123.8	3.51	0.22	0.0228	0.0260	23.86	1.675	-3.760	3.1372	-0.00828	0.03297	-0.03541	-0.00264	0.01051	-0.01129	0.00001	0.00035	-0.00005
9998	1886.83	124.1	3.51	0.23	0.0218	0.0292	23.98	1.675	-3.640	3.1374	-0.00789	0.03153	-0.03493	-0.00252	0.01007	-0.01115	0.00014	-0.00009	0.00009
9999	1888.99	123.9	3.51	0.23	0.0214	0.0327	24.11	1.676	-3.516	3.1373	-0.00876	0.03172	-0.03549	-0.00279	0.01011	-0.01131	-0.00014	-0.00005	-0.00008
10000	1886.83	124.4	3.50	0.23	0.0231	0.0318	24.23	1.676	-3.394	3.1335	-0.00874	0.03371	-0.03498	-0.00279	0.01076	-0.01116	-0.00013	0.00060	0.00007
10001	1888.70	124.0	3.51	0.23	0.0200	0.0366	24.36	1.675	-3.264	3.1364	-0.00749	0.03398	-0.03613	-0.00239	0.01084	-0.01152	0.00027	0.00067	-0.00028
10002	1887.41	124.2	3.51	0.24	0.0228	0.0354	24.48	1.676	-3.147	3.1343	-0.00780	0.03495	-0.03567	-0.00249	0.01115	-0.01138	0.00017	0.00099	-0.00014
10003	1889.42	123.9	3.51	0.23	0.0214	0.0299	24.61	1.675	-3.017	3.1371	-0.00536	0.03572	-0.03543	-0.00171	0.01139	-0.01129	0.00095	0.00123	-0.00006
10004	1888.56	123.9	3.51	0.22	0.0183	0.0366	24.73	1.675	-2.878	3.1355	-0.00488	0.03287	-0.03591	-0.00156	0.01048	-0.01145	0.00010	0.00032	-0.00022
10005	1888.56	123.9	3.51	0.22	0.0193	0.0316	24.86	1.675	-2.755	3.1356	-0.00645	0.03158	-0.03319	-0.00206	0.01007	-0.01058	0.00060	-0.00009	0.00065
10006	1888.56	124.2	3.51	0.24	0.0241	0.0342	24.98	1.676	-2.650	3.1354	-0.00906	0.03093	-0.03493	-0.00289	0.00986	-0.01114	-0.00023	-0.00030	0.00009
10007	1887.98	124.2	3.51	0.22	0.0200	0.0357	25.11	1.675	-2.511	3.1351	-0.01025	0.03170	-0.03442	-0.00327	0.01011	-0.01098	-0.00062	-0.00005	0.00026
10008	1888.85	124.1	3.51	0.21	0.0207	0.0352	25.23	1.675	-2.377	3.1362	-0.00935	0.03260	-0.03487	-0.00298	0.01040	-0.01112	-0.00033	0.00024	0.00012
10009	1888.27	124.2	3.51	0.19	0.0145	0.0411	25.36	1.673	-2.232	3.1361	-0.00885	0.03599	-0.03457	-0.00282	0.01148	-0.01102	-0.00017	0.00132	0.00021
10010	1888.70	124.3	3.51	0.21	0.0200	0.0357	25.48	1.675	-2.125	3.1360	-0.00776	0.03860	-0.03565	-0.00247	0.01231	-0.01137	0.00018	0.00215	-0.00013
10011	1887.41	124.3	3.51	0.21	0.0190	0.0286	25.61	1.675	-1.999	3.1340	-0.00351	0.04044	-0.03284	-0.00112	0.01290	-0.01048	0.00153	0.00274	0.00076
10012	1888.85	124.1	3.51	0.21	0.0200	0.0376	25.73	1.675	-1.877	3.1355	-0.00252	0.03897	-0.03038	-0.00080	0.01243	-0.00969	0.00185	0.00227	0.00155
10013	1888.13	124.1	3.51	0.19	0.0166	0.0320	25.86	1.673	-1.728	3.1359	-0.00227	0.03517	-0.03328	-0.00072	0.01122	-0.01061	0.00193	0.00106	0.00062
10014	1888.42	124.2	3.51	0.20	0.0207	0.0296	25.98	1.674	-1.620	3.1360	-0.00371	0.03050	-0.03277	-0.00118	0.00973	-0.01045	0.00147	-0.00043	0.00079
10015	1886.83	124.3	3.50	0.20	0.0200	0.0301	26.11	1.674	-1.493	3.1329	-0.00630	0.02991	-0.03512	-0.00201	0.00955	-0.01121	0.00064	-0.00061	0.00003
10016	1889.14	124.0	3.51	0.19	0.0159	0.0334	26.23	1.674	-1.360	3.1368	-0.01112	0.02852	-0.03644	-0.00355	0.00909	-0.01162	-0.00089	-0.00107	-0.00038
10017	1887.12	124.2	3.51	0.20	0.0194	0.0242	26.36	1.674	-1.244	3.1336	-0.01177	0.03221	-0.03613	-0.00376	0.01028	-0.01153	-0.00110	0.00012	-0.00029
10018	1888.70	124.0	3.51	0.22	0.0186	0.0275	26.48	1.675	-1.132	3.1355	-0.01048	0.03570	-0.03564	-0.00334	0.01139	-0.01137	-0.00069	0.00123	-0.00013
10019	1885.97	124.2	3.50	0.22	0.0180	0.0262	26.61	1.675	-1.008	3.1329	-0.00958	0.04053	-0.03225	-0.00306	0.01294	-0.01029	-0.00040	0.00278	0.00094
10020	1889.28	124.1	3.51	0.24	0.0169	0.0312	26.73	1.676	-0.897	3.1365	-0.00275	0.04222	-0.02950	-0.00088	0.01346	-0.00940	0.00178	0.00330	0.00183
10021	1886.26	124.2	3.50	0.24	0.0180	0.0309	26.86	1.676	-0.773	3.1335	-0.00332	0.04085	-0.03013	-0.00010	0.01304	-0.00962	0.00255	0.00288	0.00162
10022	1889.14	123.9	3.51	0.24	0.0186	0.0312	26.98	1.676	-0.652	3.1372	-0.00219	0.03850	-0.02954	0.00070	0.01227	-0.00941	0.00335	0.00211	0.00182
10023	1886.26	124.4	3.50	0.23	0.0139	0.0370	27.11	1.675	-0.508	3.1323	-0.00114	0.03532	-0.03083	-0.00036	0.01127	-0.00984	0.00229	0.00111	0.00139
10024	1889.57	123.9	3.51	0.21	0.0173	0.0333	27.23	1.674	-0.371	3.1383	-0.00428	0.03179	-0.03329	-0.00136	0.01013	-0.01061	0.00129	-0.00003	0.00063
10025	1886.11	124.1	3.50	0.23	0.0207	0.0315	27.36	1.676	-0.270	3.1318	-0.00571	0.02918	-0.03751	-0.00182	0.00932	-0.01198	0.00083	-0.00084	-0.00074
10026	1888.99	123.7	3.51	0.22	0.0186	0.0340	27.48	1.675	-0.133	3.1368	-0.00935	0.03180	-0.03664	-0.00298	0.01014	-0.01168	-0.00033	-0.00002	-0.00045
10027	1886.98	124.1	3.51	0.23	0.0169	0.0340	27.61	1.675	-0.010	3.1335	-0.01102	0.03630	-0.03529	-0.00352	0.01159	-0.01126	-0.00086	0.00143	-0.00003
10028	1889.28	123.9	3.51	0.23	0.0179	0.0336	27.73	1.675	0.110	3.1372	-0.01003	0.04120	-0.03328	-0.00320	0.01313	-0.01061	-0.00054	0.00297	0.00063
10029	1886.98	124.2	3.51	0.23	0.0187	0.0313	27.86	1.675	0.239	3.1335	-0.00375	0.04264	-0.02623	-0.00120	0.01361	-0.00837	0.00146	0.00345	0.00287
10030	1889.28	124.																	

Table A16. Continued.

Run = 149

M = 1.60

xspos = 42.343

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
10050	1885.25	124.5	3.50	0.23	0.0231	0.0272	30.48	1.676	2.851	3.1317	-0.00076	0.03947	-0.02442	-0.00024	0.01260	-0.00780	0.00241	0.00244	0.00344
10051	1890.00	124.0	3.51	0.24	0.0221	0.0322	30.68	1.676	3.052	3.1380	0.00033	0.04139	-0.02435	0.00011	0.01319	-0.00776	0.00276	0.00303	0.00348
10052	1887.26	124.3	3.50	0.23	0.0207	0.0296	30.73	1.676	3.107	3.1337	0.00070	0.04165	-0.02402	0.00022	0.01329	-0.00766	0.00288	0.00313	0.00357
10053	1888.56	124.0	3.51	0.24	0.0197	0.0309	30.86	1.676	3.222	3.1360	0.00121	0.04257	-0.02505	0.00039	0.01357	-0.00799	0.00304	0.00341	0.00325
10054	1888.56	124.2	3.51	0.24	0.0224	0.0286	30.98	1.676	3.346	3.1359	-0.00120	0.04348	-0.02592	-0.00038	0.01387	-0.00827	0.00227	0.00371	0.00297
10055	1888.99	124.0	3.51	0.24	0.0214	0.0337	31.11	1.676	3.474	3.1372	0.00217	0.04440	-0.02538	0.00069	0.01415	-0.00809	0.00335	0.00399	0.00315
10056	1887.84	124.2	3.51	0.25	0.0224	0.0343	31.23	1.676	3.593	3.1350	0.00218	0.04389	-0.02686	0.00070	0.01400	-0.00857	0.00335	0.00384	0.00267
10057	1888.13	124.1	3.51	0.24	0.0186	0.0378	31.36	1.676	3.726	3.1365	0.00210	0.04251	-0.02629	0.00067	0.01355	-0.00838	0.00332	0.00339	0.00285
10058	1888.27	123.9	3.51	0.24	0.0210	0.0372	31.48	1.676	3.852	3.1369	0.00135	0.04213	-0.02723	0.00043	0.01343	-0.00868	0.00308	0.00327	0.00256
10059	1889.14	123.9	3.51	0.24	0.0203	0.0387	31.61	1.676	3.970	3.1375	0.00326	0.04193	-0.02488	0.00104	0.01337	-0.00793	0.00369	0.00321	0.00331
10060	1887.84	124.3	3.51	0.24	0.0221	0.0415	31.73	1.676	4.097	3.1347	0.00367	0.04077	-0.02587	0.00117	0.01301	-0.00825	0.00383	0.00285	0.00299
10061	1887.84	123.9	3.51	0.24	0.0221	0.0359	31.86	1.676	4.223	3.1349	0.00043	0.04126	-0.02473	0.00014	0.01316	-0.00789	0.00279	0.00300	0.00335
10062	1889.42	123.9	3.51	0.24	0.0245	0.0298	31.99	1.676	4.346	3.1384	0.00081	0.04139	-0.02583	0.00026	0.01319	-0.00823	0.00291	0.00303	0.00301
10063	1887.55	123.9	3.51	0.23	0.0228	0.0279	32.11	1.676	4.480	3.1356	-0.00087	0.04325	-0.02494	-0.00028	0.01379	-0.00795	0.00238	0.00363	0.00328
10064	1888.85	123.8	3.51	0.25	0.0234	0.0283	32.23	1.676	4.593	3.1363	0.00165	0.04790	-0.02245	0.00053	0.01527	-0.00716	0.00318	0.00511	0.00408
10065	1887.70	123.9	3.51	0.23	0.0238	0.0257	32.36	1.676	4.726	3.1362	0.00408	0.04594	-0.02355	0.00130	0.01465	-0.00751	0.00395	0.00449	0.00373
10066	1888.42	123.9	3.51	0.25	0.0283	0.0235	32.48	1.677	4.832	3.1354	0.00479	0.04822	-0.02216	0.00153	0.01538	-0.00707	0.00418	0.00522	0.00417
10067	1888.70	123.9	3.51	0.26	0.0238	0.0266	32.60	1.677	4.953	3.1354	0.00804	0.04609	-0.02147	0.00256	0.01470	-0.00685	0.00522	0.00454	0.00439
10068	1887.98	124.2	3.51	0.24	0.0224	0.0305	32.73	1.676	5.092	3.1349	0.00638	0.04498	-0.02278	0.00204	0.01435	-0.00727	0.00469	0.00419	0.00397
10069	1887.70	123.9	3.51	0.24	0.0221	0.0285	32.86	1.676	5.221	3.1352	0.00438	0.04414	-0.02287	0.00140	0.01408	-0.00730	0.00405	0.00392	0.00394
10070	1888.42	124.0	3.51	0.26	0.0255	0.0285	32.98	1.677	5.329	3.1353	0.00308	0.04548	-0.02315	0.00098	0.01451	-0.00739	0.00364	0.00435	0.00385
10071	1888.56	123.9	3.51	0.25	0.0210	0.0288	33.10	1.676	5.465	3.1353	0.00364	0.04442	-0.02284	0.00116	0.01417	-0.00728	0.00382	0.00401	0.00395
10072	1888.56	124.1	3.51	0.25	0.0265	0.0300	33.23	1.677	5.583	3.1367	0.00253	0.04264	-0.02354	0.00081	0.01359	-0.00750	0.00346	0.00343	0.00373
10073	1887.98	124.1	3.51	0.24	0.0269	0.0274	33.35	1.676	5.717	3.1357	0.00271	0.04413	-0.02043	0.00086	0.01407	-0.00651	0.00352	0.00391	0.00472
10074	1888.42	124.2	3.51	0.26	0.0221	0.0350	33.48	1.677	5.832	3.1362	0.00334	0.04307	-0.01793	0.00106	0.01373	-0.00572	0.00372	0.00357	0.00552
10075	1885.82	124.5	3.50	0.25	0.0224	0.0306	33.61	1.676	5.966	3.1316	0.00191	0.04514	-0.01720	0.00061	0.01441	-0.00549	0.00327	0.00425	0.00574
10076	1889.42	124.1	3.51	0.25	0.0234	0.0283	33.73	1.676	6.091	3.1372	0.00422	0.04609	-0.01785	0.00134	0.01469	-0.00569	0.00400	0.00453	0.00555
10077	1886.40	124.3	3.50	0.24	0.0218	0.0330	33.86	1.676	6.219	3.1334	0.00506	0.04670	-0.01957	0.00161	0.01490	-0.00624	0.00427	0.00474	0.00499
10078	1888.85	123.9	3.51	0.23	0.0224	0.0277	33.98	1.676	6.353	3.1381	0.00364	0.04554	-0.02129	0.00116	0.01451	-0.00678	0.00381	0.00435	0.00445
10079	1885.39	124.3	3.50	0.24	0.0194	0.0279	34.10	1.676	6.473	3.1311	0.00726	0.04557	-0.02029	0.00232	0.01455	-0.00648	0.00497	0.00439	0.00476
10080	1889.28	124.0	3.51	0.24	0.0238	0.0285	34.23	1.676	6.592	3.1370	0.00683	0.04933	-0.01960	0.00218	0.01573	-0.00625	0.00483	0.00557	0.00499
10081	1886.69	124.3	3.50	0.24	0.0176	0.0335	34.36	1.676	6.731	3.1320	0.00723	0.04867	-0.02175	0.00231	0.01554	-0.00694	0.00496	0.00538	0.00429
10082	1888.99	124.0	3.51	0.24	0.0207	0.0314	34.48	1.676	6.850	3.1366	0.00595	0.05141	-0.02199	0.00190	0.01639	-0.00701	0.00455	0.00623	0.00423
10083	1887.98	124.2	3.51	0.24	0.0197	0.0318	34.61	1.676	6.981	3.1341	0.00917	0.04979	-0.02158	0.00293	0.01589	-0.00689	0.00558	0.00573	0.00435
10084	1887.26	124.1	3.51	0.25	0.0197	0.0374	34.73	1.676	7.096	3.1355	0.00762	0.04887	-0.02308	0.00243	0.01559	-0.00736	0.00509	0.00543	0.00388
10085	1888.85	124.3	3.51	0.23	0.0155	0.0416	34.86	1.675	7.239	3.1366	0.00589	0.04777	-0.01955	0.00188	0.01523	-0.00623	0.00453	0.00507	0.00500
10086	1886.11	124.5	3.50	0.24	0.0204	0.0359	34.98	1.676	7.351	3.1325	0.00865	0.05016	-0.01721	0.00276	0.01601	-0.00549	0.00542	0.00585	0.00574
10087	1889.57	124.1	3.51	0.23	0.0138	0.0416	35.11	1.675	7.490	3.1377	0.00767	0.04799	-0.01798	0.00244	0.01529	-0.00573	0.00510	0.00513	0.00551
10088	1885.68	124.4	3.50	0.23	0.0156	0.0398	35.23	1.675	7.611	3.1313	0.00959	0.04632	-0.01981	0.00306	0.01479	-0.00633	0.00572	0.00463	0.00491
10089	1889.28	124.2	3.51	0.23	0.0207	0.0296	35.36	1.676	7.731	3.1376	0.00717	0.04547	-0.01746	0.00228	0.01449	-0.00556	0.00494	0.00433	0.00567
10090	1886.83	124.6	3.50	0.24	0.0163	0.0365	35.48	1.676	7.858	3.1328	0.00648	0.04160	-0.01862	0.00207	0.01328	-0.00594	0.00472	0.00312	0.00529
10091	1889.86	124.0	3.51	0.24	0.0155	0.0342	35.61	1.676	7.982	3.1385	0.00288	0.03826	-0.01856	0.00092	0.01219	-0.00591	0.00357	0.00203	0.00532
10092	1887.12	124.2	3.51	0.25	0.0190	0.0333	35.73	1.676	8.092	3.1331	0.00144	0.03881	-0.01727	0.00046	0.01239	-0.00551	0.00311	0.00223	0.00572
10093	1889.71	123.9	3.51	0.23	0.0166	0.0357	35.86	1.675	8.241	3.1378	-0.00084	0.03620	-0.01859	-0.00027	0.01154	-0.00592	0.00239	0.00138	0.00531
10094	1886.98	124.1	3.51	0.23	0.0152	0.0350	35.98	1.675	8.365	3.1329	-0.00290	0.03490	-0.01792	-0.00093	0.01114	-0.00572	0.00173	0.00098	0.00552
10095	1889.42	123.8	3.51	0.24	0.0166	0.0357	36.11	1.676	8.482	3.1377	-0.00537	0.03206	-0.01764	-0.00171	0.01022	-0.00562	0.00094	0.00006	0.00561
10096	1886.26	124.2	3.50	0.22	0.0166	0.0329	36.23	1.675	8.624	3.1322	-0.00590	0.03043	-0.01757	-0.00188	0.00971	-0.00561	0.00077	-0.00045	0.00563
10097	1889.42	123.9	3.51	0.23	0.0169	0.0349	36.36	1.675	8.737	3.1377	-0.00844	0.02479	-0.01809	-0.00269	0.00790	-0.00577	-0.00004	-0.00226	0.00547
10098	1887.41	124.3	3.51	0.23	0.0162	0.0374	36.48	1.675	8.863	3.1338	-0.01151	0.02042	-0.02050	-0.00367	0.00652	-0.00654	-0.01102	-0.00364	0.00470
10099	1888.70	123.8	3.51	0.24	0.0197	0.0355	36.61	1.676	8.981	3.1381	-0.01422	0.01736	-0.02259	-0.00453	0.00553	-0.00720	-0.00188	-0.00463	0.00404
10100	1887.84	124.0	3.51	0.22	0.0156	0.0379	36.73	1.675	9.123	3.1352	-0.02059	0.00882	-0.02500	-0.00657	0.00281	-0.00797	-0.00391	-0.00735	0.00326
10101	1889.28	123.8	3.51	0.21	0.0114	0.0468	36.86	1.674	9.256	3.1370	-0.02290	0.00861	-0.02805	-0.00730	0.00275	-0.00894	-0.00465	-0.00741	0.00229
10102	1886.83	124.2	3.50	0.23	0.0197	0.0374	36.99	1.675	9.363	3.1333	-0.02920	0.00341	-0.02863	-0.00932	0.00109	-0.00914	-0.00666	-0.00907	0.00210
10103																			

Table A16. Concluded.

Run = 149
M = 1.60
xsppos = 42.347

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
10123	1889.71	124.0	3.51	0.23	0.0200	0.0376	39.61	1.675	11.990	3.1388	-0.01206	0.03060	-0.05667	-0.00384	0.00975	-0.01806	-0.00119	-0.00041	-0.00682
10124	1885.25	124.4	3.50	0.24	0.0200	0.0358	39.73	1.676	12.105	3.1315	-0.01059	0.03154	-0.05081	-0.00338	0.01007	-0.01622	-0.00073	-0.00009	-0.00499
10125	1889.57	124.1	3.51	0.24	0.0251	0.0292	39.86	1.676	12.223	3.1382	-0.01186	0.03037	-0.04884	-0.00378	0.00968	-0.01556	-0.00112	-0.00048	-0.00433
10126	1884.67	124.4	3.50	0.24	0.0204	0.0350	39.98	1.676	12.352	3.1301	-0.00955	0.03001	-0.04266	-0.00305	0.00959	-0.01363	-0.00040	-0.00057	-0.00239
10127	1889.71	124.0	3.51	0.23	0.0190	0.0370	40.11	1.675	12.488	3.1376	-0.00964	0.03017	-0.04072	-0.00307	0.00962	-0.01298	-0.00042	-0.00054	-0.00174
10128	1885.82	124.2	3.50	0.24	0.0228	0.0354	40.23	1.676	12.603	3.1327	-0.00900	0.02828	-0.04233	-0.00287	0.00903	-0.01351	-0.00022	-0.00113	-0.00228
10129	1889.28	124.0	3.51	0.24	0.0207	0.0361	40.36	1.676	12.724	3.1377	-0.00912	0.02692	-0.04293	-0.00291	0.00858	-0.01368	-0.00025	-0.00158	-0.00244
10130	1885.82	124.2	3.50	0.25	0.0231	0.0319	40.48	1.677	12.842	3.1324	-0.01162	0.02546	-0.04194	-0.00371	0.00813	-0.01339	-0.00105	-0.00203	-0.00215
10131	1889.57	124.0	3.51	0.25	0.0245	0.0335	40.61	1.677	12.965	3.1369	-0.00987	0.02632	-0.04270	-0.00315	0.00839	-0.01361	-0.00049	-0.00177	-0.00238
10132	1885.25	124.3	3.50	0.25	0.0235	0.0321	40.73	1.677	13.092	3.1303	-0.01367	0.02288	-0.03986	-0.00437	0.00731	-0.01273	-0.00171	-0.00285	-0.00150
10133	1889.28	123.9	3.51	0.24	0.0217	0.0357	40.86	1.676	13.224	3.1373	-0.01534	0.02143	-0.04111	-0.00489	0.00683	-0.01310	-0.00224	-0.00333	-0.00187
10134	1885.25	124.3	3.50	0.23	0.0176	0.0391	40.98	1.676	13.360	3.1301	-0.01526	0.02137	-0.03948	-0.00487	0.00683	-0.01261	-0.00222	-0.00333	-0.00138
10135	1889.57	123.9	3.51	0.23	0.0169	0.0424	41.11	1.675	13.486	3.1380	-0.01693	0.02143	-0.04051	-0.00539	0.00683	-0.01291	-0.00274	-0.00333	-0.00167
10136	1885.54	124.2	3.50	0.24	0.0218	0.0302	41.23	1.676	13.601	3.1314	-0.01767	0.02479	-0.03982	-0.00564	0.00792	-0.01272	-0.00299	-0.00224	-0.00148
10137	1889.42	123.9	3.51	0.24	0.0231	0.0346	41.36	1.676	13.721	3.1380	-0.01537	0.02865	-0.04066	-0.00490	0.00913	-0.01296	-0.00224	-0.00103	-0.00172
10138	1885.54	124.3	3.50	0.24	0.0207	0.0380	41.48	1.676	13.848	3.1314	-0.01125	0.03255	-0.03876	-0.00359	0.01039	-0.01238	-0.00094	-0.00203	-0.00114
10139	1888.99	124.0	3.51	0.26	0.0221	0.0331	41.61	1.677	13.959	3.1376	-0.00805	0.03163	-0.03980	-0.00257	0.01008	-0.01268	0.00009	-0.00008	-0.00145
10140	1885.97	124.2	3.50	0.25	0.0228	0.0354	41.73	1.677	14.088	3.1333	-0.00921	0.02839	-0.04107	-0.00294	0.00906	-0.01311	-0.00028	-0.00110	-0.00187
10141	1888.99	123.7	3.51	0.24	0.0214	0.0355	41.86	1.677	14.223	3.1368	-0.00887	0.02583	-0.04269	-0.00283	0.00823	-0.01361	-0.00017	-0.00193	-0.00237
10142	1887.41	123.9	3.51	0.25	0.0211	0.0354	41.99	1.676	14.346	3.1338	-0.01062	0.02470	-0.04256	-0.00339	0.00788	-0.01358	-0.00073	-0.00228	-0.00234
10143	1888.70	123.9	3.51	0.25	0.0200	0.0376	42.11	1.676	14.468	3.1360	-0.01413	0.02269	-0.04536	-0.00451	0.00724	-0.01446	-0.00185	-0.00292	-0.00323
10144	1887.70	123.9	3.51	0.25	0.0197	0.0337	42.23	1.676	14.596	3.1350	-0.01614	0.02696	-0.04390	-0.00515	0.00860	-0.01400	-0.00250	-0.00156	-0.00277
10145	1888.85	124.1	3.51	0.26	0.0258	0.0249	42.36	1.677	14.710	3.1358	-0.01605	0.02855	-0.04299	-0.00512	0.00910	-0.01371	-0.00246	-0.00106	-0.00247
10146	1887.70	124.0	3.51	0.24	0.0224	0.0315	42.49	1.676	14.851	3.1361	-0.01247	0.03280	-0.04005	-0.00398	0.01046	-0.01277	-0.00132	0.00030	-0.00154
10147	1888.85	124.0	3.51	0.26	0.0255	0.0294	42.61	1.677	14.959	3.1363	-0.00667	0.03459	-0.03828	-0.00213	0.01103	-0.01221	0.00053	0.00087	-0.00097
10148	1888.13	123.9	3.51	0.24	0.0204	0.0312	42.74	1.676	15.102	3.1350	-0.00440	0.03628	-0.03515	-0.00140	0.01157	-0.01121	0.00125	0.00141	0.00002
10149	1888.56	124.1	3.51	0.25	0.0238	0.0266	42.86	1.676	15.222	3.1353	-0.00700	0.03471	-0.03728	-0.00223	0.01107	-0.01189	0.00042	0.00091	-0.00065
10150	1888.99	123.9	3.51	0.25	0.0231	0.0281	42.99	1.677	15.342	3.1364	-0.00556	0.03529	-0.03723	-0.00177	0.01125	-0.01187	0.00088	0.00109	-0.00063
10151	1887.98	124.2	3.51	0.24	0.0186	0.0350	43.11	1.676	15.477	3.1346	-0.00657	0.03272	-0.04045	-0.00210	0.01044	-0.01291	0.00056	0.00028	-0.00167
10152	1888.99	124.0	3.51	0.23	0.0193	0.0316	43.24	1.676	15.612	3.1370	-0.00740	0.03320	-0.04278	-0.00236	0.01058	-0.01364	0.00030	0.00042	-0.00240
10153	1887.55	124.3	3.50	0.24	0.0207	0.0296	43.36	1.676	15.734	3.1344	-0.00655	0.03188	-0.04227	-0.00209	0.01017	-0.01349	0.00056	0.00001	-0.00225
10154	1888.85	124.1	3.51	0.25	0.0228	0.0298	43.48	1.677	15.842	3.1370	-0.00743	0.03235	-0.04167	-0.00237	0.01031	-0.01328	0.00029	0.00015	-0.00205
10155	1888.42	124.2	3.51	0.24	0.0162	0.0374	43.61	1.676	15.981	3.1347	-0.00926	0.03194	-0.03569	-0.00296	0.01019	-0.01138	-0.00030	0.00003	-0.00015
10156	1888.99	124.1	3.51	0.25	0.0238	0.0229	43.73	1.677	16.090	3.1377	-0.00841	0.03095	-0.03361	-0.00268	0.00987	-0.01071	-0.00002	-0.00030	0.00052
10157	1887.70	124.4	3.50	0.24	0.0190	0.0324	43.86	1.676	16.228	3.1344	-0.00972	0.03065	-0.03161	-0.00310	0.00978	-0.01009	-0.00045	-0.00038	0.00115
10158	1889.28	124.1	3.51	0.25	0.0255	0.0238	43.98	1.677	16.342	3.1385	-0.00839	0.03115	-0.03203	-0.00267	0.00993	-0.01021	-0.00002	-0.00023	0.00103
10159	1887.70	124.5	3.50	0.25	0.0238	0.0303	44.11	1.677	16.465	3.1338	-0.00945	0.03243	-0.03011	-0.00302	0.01035	-0.00961	-0.00036	0.00019	0.00163
10160	1889.28	124.1	3.51	0.25	0.0173	0.0342	44.23	1.676	16.600	3.1377	-0.00968	0.03186	-0.03242	-0.00309	0.01015	-0.01033	-0.00043	-0.00001	0.00091
10161	1887.98	124.3	3.51	0.25	0.0207	0.0296	44.36	1.676	16.722	3.1343	-0.00908	0.03232	-0.03199	-0.00290	0.01031	-0.01021	-0.00024	0.00015	0.00103
10162	1888.42	124.1	3.51	0.24	0.0200	0.0301	44.48	1.676	16.852	3.1369	-0.00878	0.03099	-0.03273	-0.00280	0.00988	-0.01043	-0.00014	-0.00028	0.00080
10163	1888.27	124.2	3.51	0.25	0.0245	0.0270	44.61	1.677	16.967	3.1371	-0.00905	0.02994	-0.03634	-0.00289	0.00954	-0.01158	-0.00023	-0.00062	-0.00035
10164	1888.99	124.0	3.51	0.25	0.0217	0.0292	44.74	1.676	17.095	3.1376	-0.00874	0.03211	-0.03511	-0.00279	0.01023	-0.01119	-0.00013	0.00007	0.00005
10165	1887.98	124.2	3.51	0.24	0.0204	0.0285	44.86	1.676	17.228	3.1347	-0.00980	0.03264	-0.03425	-0.00313	0.01041	-0.01093	-0.00047	0.00025	0.00031
10166	1888.99	123.9	3.51	0.24	0.0210	0.0297	44.99	1.676	17.351	3.1372	-0.00920	0.03196	-0.03386	-0.00293	0.01019	-0.01079	-0.00028	0.00003	0.00044
10167	1887.70	124.1	3.51	0.24	0.0217	0.0320	45.11	1.676	17.476	3.1343	-0.00952	0.03108	-0.03504	-0.00304	0.00992	-0.01118	-0.00038	-0.00024	0.00006
10168	1887.98	123.9	3.51	0.25	0.0214	0.0281	45.24	1.677	17.594	3.1358	-0.00878	0.03168	-0.03553	-0.00280	0.01010	-0.01133	-0.00014	-0.00006	-0.00009
10169	1888.27	124.0	3.51	0.25	0.0224	0.0268	45.36	1.676	17.719	3.1351	-0.00860	0.03140	-0.03471	-0.00274	0.01002	-0.01107	-0.00009	-0.00014	0.00016
10170	1888.56	123.9	3.51	0.24	0.0214	0.0272	45.48	1.676	17.847	3.1366	-0.00943	0.03155	-0.03359	-0.00301	0.01006	-0.01071	-0.00035	-0.00010	0.00053
10171	1888.70	123.9	3.51	0.24	0.0210	0.0279	45.61	1.676	17.975	3.1362	-0.01071	0.03201	-0.03438	-0.00341	0.01021	-0.01096	-0.00076	0.00005	0.00028
10172	1888.85	123.9	3.51	0.24	0.0245	0.0233	45.73	1.676	18.093	3.1368	-0.00981	0.03191	-0.03436	-0.00313	0.01017	-0.01095	-0.00047	0.00001	0.00028
10173	1888.70	124.1	3.51	0.24	0.0207	0.0296	45.86	1.676	18.227	3.1366	-0.00890	0.03098	-0.03634	-0.00284	0.00988	-0.01158	-0.00018	-0.00028	-0.00035

Table A17. Run 150.

Run = 150
M = 1.60
xspos = 44.355

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
10174	1888.85	124.0	3.51	0.23	0.0179	0.0625	21.37	1.675	-6.251	3.1375	-0.00467	0.00958	-0.02365	-0.00149	0.00305	-0.00754	-0.00048	-0.00014	-0.00028
10175	1888.13	124.1	3.51	0.22	0.0145	0.0634	21.49	1.675	-6.122	3.1344	-0.00289	0.00998	-0.02201	-0.00092	0.00319	-0.00702	0.00008	-0.00001	0.00023
10176	1887.41	124.0	3.51	0.23	0.0183	0.0599	21.62	1.675	-6.004	3.1347	-0.00200	0.01043	-0.02205	-0.00064	0.00333	-0.00703	0.00037	0.00013	0.00022
10177	1888.56	124.1	3.51	0.22	0.0183	0.0543	21.74	1.675	-5.874	3.1356	-0.00326	0.01082	-0.02263	-0.00104	0.00345	-0.00722	-0.00004	0.00026	0.00004
10178	1888.56	124.0	3.51	0.22	0.0162	0.0532	21.87	1.675	-5.747	3.1371	-0.00295	0.00928	-0.02342	-0.00094	0.00296	-0.00746	0.00006	-0.00024	-0.00021
10179	1888.27	124.1	3.51	0.21	0.0162	0.0485	21.99	1.675	-5.614	3.1342	-0.00240	0.01266	-0.02186	-0.00077	0.00404	-0.00697	0.00024	0.00084	0.00028
10180	1888.70	123.9	3.51	0.23	0.0217	0.0404	22.12	1.676	-5.507	3.1361	-0.00305	0.00915	-0.02193	-0.00097	0.00292	-0.00699	0.00003	-0.00028	0.00026
10181	1888.42	124.0	3.51	0.24	0.0265	0.0328	22.24	1.676	-5.396	3.1355	-0.00240	0.00904	-0.02212	-0.00076	0.00288	-0.00706	0.00024	-0.00031	0.00020
10182	1887.26	123.9	3.51	0.22	0.0193	0.0372	22.37	1.675	-5.248	3.1334	-0.00078	0.01124	-0.02132	-0.00025	0.00359	-0.00680	0.00076	0.00039	0.00045
10183	1888.99	123.9	3.51	0.23	0.0217	0.0339	22.49	1.675	-5.128	3.1371	-0.00465	0.00876	-0.02306	-0.00148	0.00279	-0.00735	-0.00048	-0.00040	-0.00010
10184	1886.11	124.0	3.50	0.24	0.0259	0.0278	22.62	1.676	-5.019	3.1316	-0.00233	0.01053	-0.02234	-0.00074	0.00336	-0.00713	0.00026	0.00017	0.00012
10185	1888.85	123.8	3.51	0.23	0.0190	0.0314	22.74	1.675	-4.878	3.1375	-0.00433	0.01094	-0.02405	-0.00138	0.00349	-0.00766	-0.00037	0.00029	-0.00041
10186	1885.82	124.1	3.50	0.23	0.0221	0.0248	22.87	1.675	-4.753	3.1320	-0.00320	0.00967	-0.02334	-0.00102	0.00309	-0.00745	-0.00002	-0.00011	-0.00020
10187	1889.14	123.8	3.51	0.23	0.0228	0.0279	22.99	1.676	-4.638	3.1382	-0.00249	0.00882	-0.02336	-0.00079	0.00281	-0.00744	0.00021	-0.00038	-0.00019
10188	1885.97	124.1	3.50	0.24	0.0221	0.0322	23.12	1.676	-4.520	3.1325	-0.00448	0.00857	-0.02443	-0.00143	0.00274	-0.00780	-0.00043	-0.00046	-0.00055
10189	1889.14	123.9	3.51	0.23	0.0186	0.0340	23.24	1.675	-4.381	3.1368	-0.00336	0.01055	-0.02220	-0.00107	0.00336	-0.00708	-0.00007	0.00017	0.00018
10190	1887.98	124.1	3.51	0.24	0.0204	0.0285	23.37	1.676	-4.260	3.1342	-0.00198	0.01084	-0.02237	-0.00063	0.00346	-0.00714	0.00037	0.00026	0.00012
10191	1889.14	123.8	3.51	0.23	0.0200	0.0264	23.49	1.676	-4.132	3.1371	-0.00330	0.00960	-0.02280	-0.00105	0.00306	-0.00727	-0.00005	-0.00013	-0.00001
10192	1887.41	124.0	3.51	0.25	0.0245	0.0158	23.62	1.677	-4.023	3.1335	-0.00233	0.01011	-0.02225	-0.00074	0.00323	-0.00710	0.00026	0.00003	0.00016
10193	1888.85	123.9	3.51	0.25	0.0231	0.0169	23.74	1.676	-3.897	3.1367	-0.00228	0.00969	-0.02229	-0.00073	0.00309	-0.00710	0.00028	-0.00010	0.00015
10194	1887.55	124.2	3.51	0.24	0.0207	0.0165	23.87	1.676	-3.766	3.1334	-0.00269	0.01159	-0.02181	-0.00086	0.00370	-0.00696	0.00015	0.00050	0.00029
10195	1889.42	124.1	3.51	0.24	0.0241	0.0147	23.99	1.676	-3.643	3.1371	-0.00294	0.00967	-0.02290	-0.00094	0.00308	-0.00730	0.00007	-0.00011	-0.00004
10196	1888.70	124.4	3.51	0.25	0.0262	0.0093	24.12	1.677	-3.529	3.1359	-0.00185	0.00975	-0.02275	-0.00059	0.00311	-0.00726	0.00041	-0.00009	0.00000
10197	1887.55	124.3	3.51	0.23	0.0221	0.0126	24.24	1.676	-3.384	3.1350	-0.00433	0.01030	-0.02260	-0.00138	0.00329	-0.00721	-0.00038	0.00009	0.00004
10198	1889.57	124.2	3.51	0.24	0.0228	0.0139	24.37	1.676	-3.264	3.1386	-0.00377	0.00932	-0.02337	-0.00120	0.00297	-0.00745	-0.00020	-0.00023	-0.00019
10199	1885.68	124.5	3.50	0.23	0.0242	0.0110	24.49	1.676	-3.136	3.1314	-0.00359	0.01251	-0.02398	-0.00115	0.00400	-0.00766	-0.00014	0.00080	-0.00040
10200	1889.28	124.1	3.51	0.24	0.0231	0.0150	24.62	1.676	-3.014	3.1383	-0.00288	0.01239	-0.02449	-0.00092	0.00395	-0.00780	0.00009	0.00075	-0.00055
10201	1887.98	124.3	3.51	0.22	0.0204	0.0163	24.75	1.675	-2.871	3.1349	-0.00168	0.01201	-0.02281	-0.00054	0.00383	-0.00728	0.00047	0.00064	-0.00002
10202	1888.42	124.2	3.51	0.23	0.0211	0.0223	24.87	1.676	-2.754	3.1370	-0.00026	0.00945	-0.02354	-0.00008	0.00301	-0.00750	0.00092	-0.00018	-0.00025
10203	1888.27	124.3	3.51	0.22	0.0207	0.0258	24.99	1.675	-2.624	3.1361	-0.00308	0.00734	-0.02373	-0.00098	0.00234	-0.00757	0.00002	-0.00086	-0.00031
10204	1889.42	123.8	3.51	0.22	0.0241	0.0231	25.12	1.675	-2.503	3.1371	-0.00224	0.00849	-0.02159	-0.00071	0.00270	-0.00688	0.00029	-0.00049	0.00037
10205	1887.41	124.2	3.51	0.21	0.0193	0.0288	25.24	1.674	-2.363	3.1343	-0.00465	0.01011	-0.02341	-0.00148	0.00323	-0.00747	-0.00048	0.00003	-0.00021
10206	1889.71	123.9	3.51	0.21	0.0197	0.0299	25.37	1.674	-2.236	3.1383	-0.00461	0.01132	-0.02234	-0.00147	0.00361	-0.00712	-0.00046	0.00041	0.00014
10207	1887.41	124.4	3.50	0.22	0.0218	0.0227	25.49	1.675	-2.127	3.1340	-0.00363	0.01410	-0.02213	-0.00116	0.00450	-0.00706	-0.00015	0.00131	0.00019
10208	1889.57	124.0	3.51	0.21	0.0180	0.0253	25.62	1.674	-1.987	3.1382	0.00148	0.01837	-0.02038	0.00047	0.00585	-0.00649	0.00148	0.00266	0.00076
10209	1887.84	124.3	3.51	0.23	0.0262	0.0168	25.74	1.676	-1.887	3.1346	0.00261	0.01682	-0.01979	0.00083	0.00537	-0.00631	0.00184	0.00217	0.00094
10210	1889.42	124.0	3.51	0.22	0.0228	0.0214	25.87	1.675	-1.754	3.1377	0.00439	0.01672	-0.02098	0.00140	0.00533	-0.00669	0.00240	0.00213	0.00057
10211	1888.85	124.1	3.51	0.21	0.0200	0.0264	25.99	1.675	-1.614	3.1367	0.00183	0.01220	-0.02241	0.00058	0.00389	-0.00715	0.00159	0.00070	0.00011
10212	1888.13	124.0	3.51	0.23	0.0235	0.0283	26.12	1.676	-1.511	3.1367	-0.00056	0.00914	-0.02385	-0.00018	0.00291	-0.00760	0.00083	-0.00028	-0.00035
10213	1888.70	124.1	3.51	0.23	0.0241	0.0268	26.24	1.676	-1.385	3.1373	-0.00345	0.00592	-0.02443	-0.00110	0.00189	-0.00779	-0.00009	-0.00131	-0.00053
10214	1885.25	124.4	3.50	0.22	0.0207	0.0296	26.37	1.675	-1.249	3.1313	-0.00679	0.00604	-0.02513	-0.00217	0.00193	-0.00802	-0.00116	-0.00126	-0.00077
10215	1889.42	124.0	3.51	0.22	0.0204	0.0247	26.49	1.675	-1.124	3.1368	-0.00562	0.01155	-0.02139	-0.00179	0.00368	-0.00682	-0.00079	0.00049	0.00044
10216	1886.11	124.2	3.50	0.22	0.0228	0.0261	26.62	1.675	-1.003	3.1316	-0.00563	0.01385	-0.01911	-0.00180	0.00442	-0.00610	-0.00079	0.00123	0.00115
10217	1889.57	123.9	3.51	0.22	0.0221	0.0238	26.74	1.675	-0.880	3.1372	0.00049	0.02052	-0.01608	0.00016	0.00654	-0.00513	0.00116	0.00335	0.00213
10218	1886.26	124.4	3.50	0.22	0.0214	0.0216	26.87	1.675	-0.749	3.1328	0.00397	0.01912	-0.01588	0.00127	0.00610	-0.00507	0.00227	0.00291	0.00219
10219	1889.42	123.9	3.51	0.23	0.0217	0.0264	26.99	1.676	-0.633	3.1389	0.00480	0.01743	-0.02014	0.00153	0.00555	-0.00642	0.00253	0.00236	0.00084
10220	1888.42	124.0	3.51	0.24	0.0231	0.0272	27.12	1.676	-0.514	3.1352	0.00733	0.01802	-0.01797	0.00234	0.00575	-0.00573	0.00334	0.00255	0.00152
10221	1889.57	123.7	3.51	0.22	0.0176	0.0288	27.24	1.675	-0.369	3.1393	0.00249	0.00934	-0.02384	0.00079	0.00298	-0.00759	0.00180	-0.00022	-0.00034
10222	1887.84	124.1	3.51	0.22	0.0207	0.0296	27.37	1.675	-0.253	3.1335	0.00152	0.01004	-0.02274	0.00049	0.00320	-0.00726	0.00149	0.00001	0.00000
10223	1886.83	124.0	3.51	0.22	0.0187	0.0285	27.49	1.675	-0.124	3.1334	-0.00282	0.00819	-0.02523	-0.00090	0.00261	-0.00805	0.00010	-0.00058	-0.00080
10224	1889.28	124.0	3.51	0.22	0.0217	0.0283	27.62	1.675	-0.005	3.1375	-0.00464	0.00777	-0.02453	-0.00148	0.00248	-0.00782	-0.00047	-0.00072	-0.00056
10225	1887.26	123.9	3.51	0.23	0.0187	0.0275	27.74	1.675	0.123	3.1341	-0.00487	0.01505	-0.01958	-0.00156	0.00480	-0.00625	-0.00055	0.00161	0.00101
10226	1888.99	124.0	3.51	0.22	0.0180	0.0262	27.87	1.675	0.253	3.1371	-0.00223	0.02026	-0.01727	-0.00071	0.00646	-0.00550	0.00029	0.00327	0.00175
10227	1887.84	123.9	3.51	0.24	0.0221	0.0229	27.99	1.676	0.359										

Table A17. Continued.

Run = 150
M = 1.60
xsppos = 44.353

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
10247	1889.14	124.0	3.51	0.21	0.0169	0.0312	30.49	1.674	2.884	3.1374	0.00588	0.01897	-0.01424	0.00187	0.00605	-0.00454	0.00288	0.00285	0.00271
10248	1885.25	124.4	3.50	0.22	0.0201	0.0246	30.62	1.675	2.998	3.1308	0.00491	0.01910	-0.01502	0.00157	0.00610	-0.00480	0.00257	0.00291	0.00246
10249	1889.28	124.1	3.51	0.23	0.0217	0.0236	30.74	1.676	3.116	3.1374	0.00505	0.01864	-0.01515	0.00161	0.00594	-0.00483	0.00261	0.00275	0.00243
10250	1887.26	124.6	3.50	0.23	0.0224	0.0249	30.87	1.676	3.239	3.1338	0.00503	0.02062	-0.01412	0.00161	0.00658	-0.00450	0.00261	0.00339	0.00275
10251	1889.28	124.3	3.51	0.23	0.0231	0.0225	30.99	1.676	3.365	3.1381	0.00429	0.02083	-0.01539	0.00137	0.00664	-0.00490	0.00237	0.00344	0.00235
10252	1887.70	124.6	3.50	0.23	0.0235	0.0218	31.12	1.676	3.490	3.1337	0.00655	0.02223	-0.01526	0.00209	0.00710	-0.00487	0.00310	0.00390	0.00238
10253	1889.28	124.1	3.51	0.23	0.0241	0.0212	31.24	1.676	3.610	3.1381	0.00669	0.02325	-0.01493	0.00213	0.00741	-0.00476	0.00314	0.00421	0.00250
10254	1887.55	124.1	3.51	0.23	0.0221	0.0285	31.37	1.676	3.741	3.1342	0.00750	0.02305	-0.01497	0.00239	0.00735	-0.00478	0.00340	0.00416	0.00248
10255	1889.86	123.7	3.51	0.23	0.0207	0.0249	31.49	1.676	3.867	3.1386	0.00761	0.02120	-0.01581	0.00242	0.00675	-0.00504	0.00343	0.00356	0.00222
10256	1887.55	124.1	3.51	0.23	0.0221	0.0238	31.62	1.676	3.993	3.1349	0.00623	0.02027	-0.01636	0.00199	0.00647	-0.00522	0.00299	0.00327	0.00204
10257	1888.56	124.0	3.51	0.22	0.0193	0.0288	31.74	1.675	4.123	3.1371	0.00746	0.02044	-0.01465	0.00238	0.00651	-0.00467	0.00338	0.00332	0.00259
10258	1888.70	124.1	3.51	0.22	0.0190	0.0277	31.87	1.675	4.250	3.1363	0.00589	0.01966	-0.01544	0.00188	0.00627	-0.00492	0.00288	0.00307	0.00233
10259	1884.67	124.2	3.50	0.22	0.0194	0.0279	31.99	1.675	4.374	3.1301	0.00551	0.02000	-0.01586	0.00176	0.00639	-0.00507	0.00277	0.00319	0.00219
10260	1889.86	123.8	3.51	0.23	0.0231	0.0262	32.12	1.676	4.485	3.1391	0.00540	0.02195	-0.01421	0.00172	0.00699	-0.00453	0.00273	0.00380	0.00273
10261	1886.11	124.3	3.50	0.23	0.0242	0.0222	32.24	1.676	4.613	3.1312	0.00681	0.02285	-0.01298	0.00217	0.00730	-0.00415	0.00318	0.00410	0.00311
10262	1889.86	123.6	3.52	0.22	0.0224	0.0258	32.37	1.675	4.746	3.1385	0.00925	0.02262	-0.01264	0.00295	0.00819	-0.00403	0.00395	0.00500	0.00323
10263	1885.39	124.0	3.50	0.23	0.0235	0.0171	32.49	1.675	4.867	3.1307	0.00912	0.02652	-0.01304	0.00291	0.00847	-0.00417	0.00392	0.00527	0.00309
10264	1889.14	123.8	3.51	0.22	0.0217	0.0283	32.67	1.675	5.049	3.1372	0.01210	0.02581	-0.01190	0.00386	0.00823	-0.00379	0.00486	0.00503	0.00346
10265	1886.98	124.1	3.51	0.22	0.0218	0.0255	32.74	1.675	5.121	3.1331	0.01082	0.02421	-0.01228	0.00345	0.00773	-0.00392	0.00446	0.00453	0.00333
10266	1889.42	123.8	3.51	0.23	0.0241	0.0259	32.86	1.676	5.237	3.1378	0.01010	0.02439	-0.01353	0.00322	0.00777	-0.00431	0.00422	0.00458	0.00294
10267	1887.84	123.9	3.51	0.24	0.0272	0.0229	32.99	1.676	5.355	3.1341	0.01059	0.02416	-0.01319	0.00338	0.00771	-0.00421	0.00438	0.00452	0.00305
10268	1888.99	123.7	3.51	0.23	0.0221	0.0294	33.12	1.676	5.493	3.1380	0.00658	0.02365	-0.01469	0.00210	0.00754	-0.00468	0.00310	0.00434	0.00257
10269	1888.13	123.9	3.51	0.23	0.0235	0.0264	33.24	1.676	5.616	3.1352	0.00973	0.02395	-0.01359	0.00310	0.00764	-0.00434	0.00411	0.00445	0.00292
10270	1888.99	123.9	3.51	0.23	0.0241	0.0268	33.36	1.676	5.735	3.1369	0.00860	0.02407	-0.01087	0.00274	0.00767	-0.00346	0.00375	0.00448	0.00379
10271	1887.98	124.1	3.51	0.23	0.0224	0.0352	33.49	1.676	5.863	3.1344	0.01034	0.02392	-0.00971	0.00330	0.00763	-0.00310	0.00430	0.00444	0.00416
10272	1886.40	124.3	3.50	0.23	0.0217	0.0358	33.62	1.676	5.993	3.1334	0.00788	0.02539	-0.00783	0.00251	0.00810	-0.00250	0.00352	0.00491	0.00475
10273	1889.14	124.1	3.51	0.23	0.0224	0.0342	33.74	1.676	6.116	3.1381	0.00818	0.02624	-0.01028	0.00261	0.00836	-0.00328	0.00361	0.00517	0.00398
10274	1885.54	124.3	3.50	0.23	0.0225	0.0306	33.87	1.676	6.241	3.1309	0.01139	0.02657	-0.00999	0.00364	0.00849	-0.00319	0.00464	0.00529	0.00406
10275	1889.42	123.8	3.51	0.24	0.0238	0.0257	33.99	1.676	6.356	3.1375	0.01090	0.02832	-0.01104	0.00348	0.00903	-0.00352	0.00448	0.00583	0.00374
10276	1886.98	124.0	3.51	0.24	0.0255	0.0210	34.11	1.676	6.479	3.1328	0.01051	0.02801	-0.01035	0.00336	0.00894	-0.00330	0.00436	0.00575	0.00395
10277	1889.57	123.8	3.51	0.24	0.0300	0.0160	34.24	1.677	6.595	3.1377	0.01298	0.03140	-0.01019	0.00414	0.01001	-0.00325	0.00514	0.00681	0.00401
10278	1887.55	124.1	3.51	0.23	0.0252	0.0246	34.36	1.676	6.733	3.1340	0.01184	0.03037	-0.01171	0.00378	0.00969	-0.00374	0.00478	0.00650	0.00352
10279	1888.85	123.9	3.51	0.23	0.0234	0.0264	34.49	1.676	6.863	3.1374	0.01249	0.02946	-0.01387	0.00398	0.00939	-0.00442	0.00499	0.00620	0.00284
10280	1889.14	123.9	3.51	0.23	0.0245	0.0260	34.61	1.676	6.985	3.1371	0.01380	0.03002	-0.01165	0.00440	0.00957	-0.00371	0.00540	0.00638	0.00354
10281	1888.42	123.7	3.51	0.24	0.0245	0.0233	34.74	1.676	7.108	3.1362	0.01339	0.03028	-0.01102	0.00427	0.00966	-0.00351	0.00527	0.00646	0.00374
10282	1888.56	124.1	3.51	0.24	0.0265	0.0235	34.87	1.676	7.231	3.1351	0.01551	0.03189	-0.00941	0.00495	0.01017	-0.00300	0.00595	0.00698	0.00425
10283	1888.42	124.0	3.51	0.23	0.0235	0.0264	34.99	1.676	7.362	3.1367	0.01327	0.03215	-0.00885	0.00423	0.01025	-0.00282	0.00524	0.00705	0.00443
10284	1888.70	124.1	3.51	0.24	0.0241	0.0268	35.12	1.676	7.484	3.1370	0.01332	0.03131	-0.00930	0.00425	0.00998	-0.00297	0.00525	0.00678	0.00429
10285	1888.27	124.0	3.51	0.23	0.0214	0.0318	35.24	1.675	7.618	3.1365	0.01370	0.02787	-0.00905	0.00437	0.00889	-0.00289	0.00537	0.00569	0.00437
10286	1888.70	124.1	3.51	0.23	0.0228	0.0279	35.37	1.676	7.741	3.1361	0.01417	0.02886	-0.00750	0.00452	0.00920	-0.00239	0.00552	0.00601	0.00486
10287	1888.27	124.2	3.51	0.23	0.0211	0.0279	35.49	1.676	7.867	3.1357	0.01277	0.02551	-0.00796	0.00407	0.00813	-0.00254	0.00508	0.00494	0.00472
10288	1888.85	124.3	3.51	0.23	0.0210	0.0325	35.61	1.676	7.989	3.1362	0.00995	0.02358	-0.00673	0.00317	0.00752	-0.00215	0.00418	0.00432	0.00511
10289	1887.26	124.2	3.51	0.23	0.0238	0.0266	35.74	1.676	8.110	3.1353	0.00753	0.02201	-0.00723	0.00240	0.00702	-0.00231	0.00341	0.00382	0.00495
10290	1889.28	124.1	3.51	0.24	0.0224	0.0268	35.87	1.676	8.236	3.1371	0.00593	0.02057	-0.00627	0.00189	0.00656	-0.00200	0.00290	0.00336	0.00526
10291	1887.84	124.0	3.51	0.23	0.0218	0.0218	35.99	1.676	8.367	3.1351	0.00381	0.01735	-0.00496	0.00121	0.00553	-0.00158	0.00222	0.00234	0.00567
10292	1888.99	124.1	3.51	0.23	0.0200	0.0310	36.12	1.675	8.494	3.1366	0.00341	0.01858	-0.00636	0.00109	0.00592	-0.00203	0.00209	0.00273	0.00523
10293	1886.26	124.3	3.50	0.21	0.0176	0.0270	36.24	1.675	8.633	3.1332	-0.00041	0.01262	-0.00684	-0.00013	0.00403	-0.00218	0.00087	0.00083	0.00507
10294	1889.42	124.1	3.51	0.22	0.0217	0.0301	36.37	1.675	8.749	3.1376	-0.00076	0.00954	-0.00721	-0.00024	0.00304	-0.00230	0.00076	-0.00016	0.00496
10295	1885.39	124.3	3.50	0.21	0.0163	0.0328	36.49	1.674	8.888	3.1317	-0.00391	0.00543	-0.00935	-0.00125	0.00173	-0.00299	-0.00024	-0.00146	0.00427
10296	1889.71	124.0	3.51	0.22	0.0210	0.0297	36.62	1.675	8.998	3.1377	-0.00714	-0.00124	-0.01025	-0.00228	-0.00039	-0.00327	-0.00127	-0.00359	0.00399
10297	1885.25	124.3	3.50	0.23	0.0204	0.0294	36.74	1.675	9.121	3.1309	-0.01154	-0.00475	-0.01190	-0.00369	-0.00152	-0.00380	-0.00268	-0.00471	0.00345
10298	1890.00	124.2	3.51	0.22	0.0176	0.0325	36.87	1.675	9.253	3.1387	-0.01526	-0.00798	-0.01358	-0.00486	-0.00254	-0.00433	-0.00386	-0.00574	0.00293
10299	1885.97	124.4	3.50	0.23	0.0152	0.0359	36.99	1.675	9.377	3.1308	-0.01881	-0.01073	-0.01621	-0.00601	-0.00343	-0.00518	-0.00500	-0.00662	0.00208
10300	1889.42	123.9	3.51	0.22	0.0162	0.0308	37.12	1.675	9.504	3.									

Table A17. Concluded.

Run = 150
M = 1.60
xsppos = 44.353

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
10320	1887.41	124.1	3.51	0.23	0.0190	0.0342	39.62	1.676	11.992	3.1348	-0.00720	0.00886	-0.04185	-0.00230	0.00283	-0.01335	-0.00129	-0.00037	-0.00609
10321	1889.71	124.0	3.51	0.23	0.0193	0.0372	39.74	1.676	12.116	3.1393	-0.00715	0.00756	-0.03964	-0.00228	0.00241	-0.01263	-0.00127	-0.00079	-0.00537
10322	1884.96	124.4	3.50	0.23	0.0197	0.0356	39.86	1.676	12.239	3.1303	-0.00425	0.00923	-0.03413	-0.00136	0.00295	-0.01090	-0.00035	-0.00025	-0.00365
10323	1889.71	124.0	3.51	0.24	0.0207	0.0342	39.99	1.676	12.360	3.1383	-0.00311	0.00861	-0.03068	-0.00099	0.00274	-0.00978	0.00001	-0.00045	-0.00252
10324	1884.96	124.4	3.50	0.23	0.0190	0.0408	40.11	1.676	12.490	3.1297	-0.00271	0.00916	-0.02891	-0.00087	0.00293	-0.00924	0.00014	-0.00027	-0.00198
10325	1889.57	124.0	3.51	0.24	0.0190	0.0351	40.24	1.676	12.613	3.1376	-0.00145	0.00879	-0.02834	-0.00046	0.00280	-0.00903	0.00054	-0.00039	-0.00178
10326	1885.68	124.5	3.50	0.25	0.0259	0.0306	40.37	1.677	12.724	3.1309	-0.00301	0.00595	-0.02949	-0.00096	0.00190	-0.00942	0.00004	-0.00129	-0.00216
10327	1889.86	123.9	3.51	0.24	0.0234	0.0338	40.49	1.676	12.859	3.1387	-0.00510	0.00442	-0.02856	-0.00163	0.00141	-0.00910	-0.00062	-0.00179	-0.00184
10328	1885.39	124.4	3.50	0.24	0.0190	0.0343	40.62	1.676	12.989	3.1309	-0.00695	0.00389	-0.02766	-0.00222	0.00124	-0.00884	-0.00122	-0.00195	-0.00158
10329	1890.29	123.9	3.51	0.23	0.0179	0.0373	40.74	1.676	13.119	3.1387	-0.00628	0.00308	-0.02671	-0.00200	0.00098	-0.00851	-0.00100	-0.00370	-0.00126
10330	1884.96	124.3	3.50	0.23	0.0211	0.0363	40.86	1.676	13.237	3.1302	-0.00948	0.00039	-0.02827	-0.00303	0.00012	-0.00903	-0.00202	-0.00307	-0.00178
10331	1890.00	123.8	3.51	0.24	0.0258	0.0305	40.99	1.676	13.354	3.1383	-0.01044	-0.00035	-0.02830	-0.00333	-0.00011	-0.00902	-0.00232	-0.00331	-0.00176
10332	1885.54	124.0	3.50	0.24	0.0221	0.0341	41.11	1.676	13.480	3.1318	-0.01227	-0.00159	-0.02850	-0.00392	-0.00051	-0.00910	-0.00291	-0.00370	-0.00185
10333	1888.99	123.9	3.51	0.23	0.0200	0.0366	41.24	1.676	13.615	3.1363	-0.01087	0.00248	-0.02582	-0.00346	0.00079	-0.00823	-0.00246	-0.00240	-0.00098
10334	1885.10	124.1	3.50	0.23	0.0221	0.0322	41.36	1.676	13.739	3.1310	-0.01094	0.00388	-0.02710	-0.00349	0.00124	-0.00866	-0.00249	-0.00196	-0.00140
10335	1889.42	123.8	3.51	0.24	0.0241	0.0286	41.49	1.676	13.854	3.1380	-0.00904	0.00905	-0.02662	-0.00288	0.00289	-0.00848	-0.00188	-0.00031	-0.00123
10336	1884.67	124.1	3.50	0.23	0.0218	0.0349	41.62	1.676	13.987	3.1304	-0.00483	0.01105	-0.02715	-0.00154	0.00353	-0.00867	-0.00054	0.00033	-0.00142
10337	1889.57	123.9	3.51	0.24	0.0238	0.0257	41.74	1.676	14.107	3.1391	-0.00405	0.00808	-0.02821	-0.00129	0.00258	-0.00899	-0.00028	-0.00062	-0.00173
10338	1885.25	124.1	3.50	0.24	0.0238	0.0276	41.87	1.676	14.234	3.1311	-0.00276	0.00634	-0.02941	-0.00088	0.00202	-0.00939	0.00012	-0.00117	-0.00214
10339	1889.14	123.8	3.51	0.23	0.0234	0.0292	41.99	1.676	14.363	3.1370	-0.00396	0.00436	-0.03056	-0.00126	0.00139	-0.00974	-0.00026	-0.00180	-0.00249
10340	1885.82	124.0	3.50	0.24	0.0228	0.0279	42.12	1.676	14.486	3.1331	-0.00912	0.00173	-0.03258	-0.00291	0.00055	-0.01040	-0.00191	-0.00264	-0.00314
10341	1889.28	123.8	3.51	0.23	0.0214	0.0355	42.24	1.676	14.616	3.1381	-0.00945	0.00068	-0.02945	-0.00301	0.00022	-0.01013	-0.00201	-0.00298	-0.00287
10342	1886.26	124.1	3.50	0.23	0.0218	0.0274	42.37	1.676	14.738	3.1334	-0.01075	0.00552	-0.03015	-0.00343	0.00176	-0.00962	-0.00243	-0.00143	-0.00237
10343	1888.70	124.0	3.51	0.24	0.0228	0.0344	42.49	1.676	14.862	3.1371	-0.00899	0.00893	-0.03017	-0.00286	0.00285	-0.00962	-0.00186	-0.00035	-0.00236
10344	1885.97	124.2	3.50	0.23	0.0231	0.0319	42.62	1.676	14.989	3.1328	-0.00377	0.01188	-0.02381	-0.00120	0.00379	-0.00760	-0.00020	0.00060	-0.00035
10345	1889.28	124.1	3.51	0.24	0.0238	0.0313	42.74	1.676	15.107	3.1377	-0.00116	0.01384	-0.02308	-0.00037	0.00441	-0.00736	0.00063	0.00122	-0.00010
10346	1886.40	124.3	3.50	0.23	0.0204	0.0369	42.86	1.675	15.243	3.1335	0.00033	0.01374	-0.02331	0.00010	0.00438	-0.00744	0.00111	0.00119	-0.00018
10347	1888.85	124.0	3.51	0.24	0.0214	0.0355	42.99	1.676	15.359	3.1365	0.00245	0.01241	-0.02582	0.00078	0.00396	-0.00823	0.00179	0.00076	-0.00098
10348	1887.70	124.0	3.51	0.24	0.0241	0.0315	43.11	1.676	15.475	3.1358	0.00020	0.01131	-0.02960	0.00006	0.00361	-0.00944	0.00107	0.00041	-0.00218
10349	1888.70	124.2	3.51	0.24	0.0207	0.0361	43.24	1.676	15.609	3.1362	0.00034	0.01308	-0.03022	0.00011	0.00417	-0.00964	0.00111	0.00097	-0.00238
10350	1886.83	124.1	3.51	0.24	0.0221	0.0350	43.36	1.676	15.733	3.1351	-0.00129	0.00971	-0.03194	-0.00041	0.00310	-0.01019	0.00059	-0.00010	-0.00293
10351	1888.99	124.1	3.51	0.24	0.0203	0.0368	43.49	1.676	15.861	3.1366	0.00027	0.01120	-0.02845	0.00009	0.00357	-0.00907	0.00109	0.00038	-0.00182
10352	1887.84	124.2	3.51	0.24	0.0190	0.0417	43.62	1.676	15.987	3.1360	-0.00209	0.00915	-0.02339	-0.00067	0.00292	-0.00746	0.00034	-0.00028	-0.00020
10353	1888.70	124.2	3.51	0.24	0.0214	0.0365	43.74	1.676	16.108	3.1363	-0.00145	0.01010	-0.02052	-0.00046	0.00322	-0.00654	0.00054	0.00003	0.00071
10354	1886.98	124.2	3.51	0.24	0.0235	0.0330	43.87	1.676	16.232	3.1338	-0.00110	0.01047	-0.02060	-0.00035	0.00334	-0.00657	0.00066	0.00015	0.00068
10355	1889.57	124.3	3.51	0.23	0.0224	0.0333	43.99	1.676	16.363	3.1372	-0.00171	0.00938	-0.02021	-0.00054	0.00299	-0.00644	0.00046	-0.00020	0.00081
10356	1887.12	124.1	3.51	0.24	0.0248	0.0291	44.12	1.676	16.482	3.1349	-0.00287	0.01064	-0.02059	-0.00091	0.00340	-0.00657	0.00009	0.00020	0.00069
10357	1889.28	124.2	3.51	0.24	0.0210	0.0316	44.24	1.676	16.611	3.1373	-0.00186	0.01052	-0.02124	-0.00059	0.00335	-0.00677	0.00041	0.00016	0.00048
10358	1886.98	124.2	3.50	0.23	0.0228	0.0298	44.37	1.676	16.739	3.1337	-0.00299	0.01167	-0.02152	-0.00095	0.00372	-0.00687	0.00005	0.00053	0.00039
10359	1889.28	124.2	3.51	0.24	0.0238	0.0294	44.49	1.676	16.861	3.1381	-0.00270	0.00972	-0.02238	-0.00086	0.00310	-0.00713	0.00015	-0.00010	0.00012
10360	1884.96	124.3	3.50	0.25	0.0228	0.0326	44.62	1.677	16.976	3.1299	-0.00133	0.01149	-0.02151	-0.00042	0.00367	-0.00687	0.00058	0.00048	0.00038
10361	1889.71	124.0	3.51	0.24	0.0234	0.0292	44.74	1.676	17.104	3.1384	-0.00193	0.01090	-0.02345	-0.00062	0.00347	-0.00747	0.00039	0.00028	-0.00022
10362	1885.10	124.2	3.50	0.24	0.0225	0.0278	44.87	1.676	17.234	3.1311	-0.00216	0.01031	-0.02265	-0.00069	0.00329	-0.00723	0.00031	0.00010	0.00002
10363	1889.71	123.8	3.51	0.24	0.0234	0.0264	44.99	1.676	17.362	3.1393	-0.00381	0.00998	-0.02515	-0.00121	0.00318	-0.00801	-0.00021	-0.00002	-0.00076
10364	1886.11	124.1	3.50	0.24	0.0245	0.0280	45.12	1.676	17.476	3.1329	-0.00253	0.01109	-0.02369	-0.00081	0.00354	-0.00756	0.00020	0.00034	-0.00031
10365	1889.71	123.9	3.51	0.23	0.0234	0.0264	45.24	1.676	17.613	3.1377	-0.00110	0.00972	-0.02227	-0.00035	0.00310	-0.00710	0.00065	-0.00010	0.00016
10366	1884.82	124.2	3.50	0.25	0.0287	0.0200	45.37	1.677	17.720	3.1311	-0.00231	0.00933	-0.02374	-0.00074	0.00298	-0.00758	0.00027	-0.00021	-0.00033
10367	1889.57	123.7	3.51	0.24	0.0241	0.0268	45.49	1.676	17.857	3.1390	-0.00291	0.01037	-0.02487	-0.00093	0.00330	-0.00792	0.00008	0.00011	-0.00067
10368	1885.39	124.1	3.50	0.23	0.0225	0.0268	45.62	1.676	17.987	3.1310	-0.00199	0.00937	-0.02402	-0.00064	0.00299	-0.00767	0.00037	-0.00020	-0.00042

Table A18. Run 160.

Run = 160
M = 1.60
xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
11164	1888.27	124.3	3.51	0.28	0.0229	0.0313	21.36	1.680	-6.331	3.1356	-0.00901	0.03184	-0.03338	-0.00287	0.01015	-0.01065	-0.00024	-0.00030	-0.00023
11165	1888.42	124.3	3.51	0.25	0.0260	0.0320	21.49	1.679	-6.188	3.1344	-0.00810	0.03280	-0.03205	-0.00258	0.01046	-0.01022	0.00005	0.00001	0.00019
11166	1887.55	124.6	3.50	0.25	0.0233	0.0296	21.61	1.678	-6.059	3.1332	-0.00686	0.03393	-0.03245	-0.00219	0.01083	-0.01036	0.00044	0.00037	0.00006
11167	1888.27	124.2	3.51	0.25	0.0250	0.0277	21.74	1.679	-5.936	3.1341	-0.00872	0.03374	-0.03219	-0.00278	0.01077	-0.01027	-0.00015	0.00031	0.00014
11168	1888.42	124.4	3.51	0.25	0.0243	0.0264	21.86	1.679	-5.811	3.1356	-0.00858	0.03157	-0.03314	-0.00274	0.01007	-0.01057	-0.00010	-0.00039	-0.00015
11169	1888.13	124.2	3.51	0.25	0.0236	0.0251	21.99	1.679	-5.689	3.1343	-0.00889	0.03253	-0.03363	-0.00284	0.01038	-0.01073	-0.00020	-0.00008	-0.00032
11170	1886.69	124.4	3.50	0.26	0.0216	0.0221	22.11	1.679	-5.567	3.1312	-0.00817	0.03291	-0.03337	-0.00261	0.01051	-0.01066	0.00002	0.00005	-0.00024
11171	1888.56	124.2	3.51	0.25	0.0247	0.0164	22.24	1.678	-5.435	3.1332	-0.00637	0.03346	-0.03168	-0.00203	0.01068	-0.01011	0.00060	0.00022	0.00030
11172	1887.26	124.7	3.50	0.25	0.0254	0.0168	22.36	1.678	-5.312	3.1332	-0.00890	0.03180	-0.03333	-0.00284	0.01015	-0.01064	-0.00021	-0.00031	-0.00022
11173	1888.56	124.1	3.51	0.26	0.0253	0.0195	22.49	1.679	-5.193	3.1348	-0.00835	0.03260	-0.03269	-0.00266	0.01040	-0.01043	-0.00003	-0.00006	-0.00001
11174	1888.13	124.2	3.51	0.24	0.0271	0.0177	22.61	1.678	-5.060	3.1335	-0.00903	0.03415	-0.03218	-0.00288	0.01090	-0.01027	-0.00025	0.00044	0.00014
11175	1888.70	124.1	3.51	0.25	0.0264	0.0182	22.74	1.679	-4.939	3.1347	-0.00852	0.03275	-0.03386	-0.00272	0.01045	-0.01080	-0.00009	-0.00001	-0.00039
11176	1888.42	124.1	3.51	0.25	0.0233	0.0315	22.86	1.678	-4.809	3.1340	-0.00885	0.03387	-0.03327	-0.00282	0.01081	-0.01061	-0.00019	0.00035	-0.00020
11177	1886.83	124.4	3.50	0.25	0.0195	0.0303	22.99	1.678	-4.676	3.1322	-0.00862	0.03253	-0.03239	-0.00275	0.01039	-0.01034	-0.00012	-0.00007	0.00007
11178	1888.27	124.1	3.51	0.25	0.0229	0.0341	23.12	1.678	-4.553	3.1335	-0.00855	0.03384	-0.03383	-0.00273	0.01080	-0.01079	-0.00009	0.00034	-0.00038
11179	1887.41	124.1	3.51	0.24	0.0205	0.0356	23.24	1.678	-4.424	3.1326	-0.00858	0.03345	-0.03164	-0.00274	0.01068	-0.01010	-0.00011	0.00022	0.00031
11180	1888.27	123.9	3.51	0.25	0.0219	0.0344	23.36	1.678	-4.303	3.1342	-0.00697	0.03147	-0.03363	-0.00222	0.01004	-0.01073	0.00041	-0.00042	-0.00032
11181	1887.26	124.4	3.50	0.25	0.0216	0.0305	23.49	1.678	-4.178	3.1323	-0.00904	0.03207	-0.03217	-0.00289	0.01024	-0.01027	-0.00025	-0.00022	0.00014
11182	1888.56	124.2	3.51	0.25	0.0260	0.0246	23.61	1.678	-4.058	3.1343	-0.00798	0.03263	-0.03345	-0.00254	0.01041	-0.01067	0.00009	-0.00005	-0.00026
11183	1887.98	124.2	3.51	0.24	0.0247	0.0276	23.74	1.678	-3.928	3.1335	-0.00752	0.03291	-0.03355	-0.00240	0.01050	-0.01071	0.00023	0.00004	-0.00029
11184	1888.13	124.2	3.51	0.25	0.0216	0.0324	23.86	1.678	-3.804	3.1332	-0.00808	0.03376	-0.03176	-0.00258	0.01078	-0.01014	0.00006	0.00032	0.00028
11185	1888.13	124.4	3.51	0.24	0.0226	0.0339	23.99	1.678	-3.676	3.1331	-0.00786	0.03358	-0.03357	-0.00251	0.01072	-0.01072	0.00012	0.00026	-0.00030
11186	1888.56	124.2	3.51	0.24	0.0236	0.0326	24.12	1.678	-3.551	3.1348	-0.00861	0.03230	-0.03270	-0.00275	0.01030	-0.01043	-0.00011	-0.00015	-0.00002
11187	1887.70	124.5	3.50	0.24	0.0216	0.0370	24.24	1.678	-3.421	3.1331	-0.00807	0.03332	-0.03299	-0.00258	0.01064	-0.01053	0.00006	0.00018	-0.00011
11188	1888.56	124.3	3.51	0.25	0.0226	0.0357	24.36	1.678	-3.306	3.1350	-0.00871	0.03393	-0.03239	-0.00278	0.01082	-0.01033	-0.00015	0.00037	0.00008
11189	1887.55	124.3	3.51	0.24	0.0219	0.0400	24.49	1.678	-3.173	3.1320	-0.00725	0.03651	-0.03194	-0.00231	0.01166	-0.01020	0.00032	0.00120	0.00021
11190	1888.70	124.1	3.51	0.25	0.0226	0.0385	24.61	1.678	-3.054	3.1355	-0.00694	0.03654	-0.03269	-0.00221	0.01165	-0.01043	0.00042	0.00120	-0.00001
11191	1887.55	124.5	3.50	0.25	0.0236	0.0326	24.74	1.679	-2.935	3.1328	-0.00606	0.03376	-0.03296	-0.00193	0.01078	-0.01052	0.00070	0.00032	-0.00011
11192	1888.70	124.4	3.51	0.24	0.0216	0.0352	24.86	1.678	-2.802	3.1347	-0.00516	0.03268	-0.03313	-0.00165	0.01042	-0.01057	0.00099	-0.00003	-0.00015
11193	1887.98	124.4	3.51	0.24	0.0229	0.0331	24.99	1.678	-2.679	3.1345	-0.00821	0.03108	-0.03363	-0.00262	0.00992	-0.01073	0.00001	-0.00054	-0.00032
11194	1888.56	124.4	3.51	0.25	0.0202	0.0381	25.12	1.678	-2.552	3.1348	-0.01052	0.03026	-0.03233	-0.00336	0.00965	-0.01031	-0.00072	-0.00080	0.00010
11195	1888.42	124.3	3.51	0.25	0.0205	0.0383	25.24	1.678	-2.426	3.1334	-0.00942	0.03299	-0.03192	-0.00301	0.01053	-0.01019	-0.00037	0.00007	0.00023
11196	1887.55	124.4	3.50	0.26	0.0243	0.0311	25.37	1.679	-2.318	3.1338	-0.01012	0.03509	-0.03323	-0.00323	0.01120	-0.01060	-0.00060	0.00074	-0.00019
11197	1888.85	124.0	3.51	0.25	0.0167	0.0372	25.49	1.678	-2.172	3.1342	-0.00770	0.03871	-0.03197	-0.00246	0.01235	-0.01020	0.00018	0.00189	0.00021
11198	1886.69	124.4	3.50	0.25	0.0192	0.0348	25.62	1.678	-2.056	3.1322	-0.00531	0.04075	-0.03295	-0.00169	0.01301	-0.01052	0.00094	0.00255	-0.00011
11199	1888.56	124.0	3.51	0.25	0.0174	0.0357	25.74	1.678	-1.929	3.1345	-0.00110	0.03992	-0.03028	-0.00035	0.01274	-0.00966	0.00228	0.00228	0.00075
11200	1886.83	124.3	3.50	0.25	0.0233	0.0296	25.86	1.679	-1.812	3.1316	-0.00152	0.03899	-0.02887	-0.00049	0.01245	-0.00922	0.00215	0.00199	0.00120
11201	1888.56	123.9	3.51	0.25	0.0253	0.0270	25.99	1.679	-1.686	3.1342	-0.00141	0.03679	-0.03014	-0.00045	0.01174	-0.00962	0.00218	0.00128	0.00080
11202	1887.26	124.2	3.51	0.24	0.0171	0.0355	26.11	1.678	-1.544	3.1329	-0.00659	0.03074	-0.03231	-0.00210	0.00981	-0.01031	0.00053	-0.00064	0.00010
11203	1888.27	124.0	3.51	0.26	0.0209	0.0348	26.24	1.679	-1.438	3.1341	-0.00810	0.02992	-0.03291	-0.00259	0.00955	-0.01050	0.00005	-0.00091	-0.00009
11204	1887.12	124.2	3.51	0.24	0.0178	0.0303	26.36	1.678	-1.300	3.1323	-0.01142	0.02985	-0.03300	-0.00365	0.00953	-0.01054	-0.00101	-0.00093	-0.00012
11205	1888.27	124.1	3.51	0.25	0.0216	0.0314	26.49	1.678	-1.180	3.1335	-0.01111	0.03426	-0.03424	-0.00355	0.01093	-0.01093	-0.00091	0.00048	-0.00051
11206	1887.41	124.3	3.50	0.24	0.0185	0.0344	26.61	1.678	-1.048	3.1328	-0.01068	0.04001	-0.03083	-0.00341	0.01277	-0.00984	-0.00078	0.00231	0.00057
11207	1888.85	124.1	3.51	0.24	0.0185	0.0307	26.74	1.678	-0.923	3.1345	-0.00601	0.04343	-0.02799	-0.00192	0.01385	-0.00893	0.00072	0.00340	0.00148
11208	1887.26	124.4	3.50	0.25	0.0185	0.0316	26.86	1.678	-0.806	3.1319	-0.00147	0.04380	-0.02598	-0.00047	0.01398	-0.00829	0.00216	0.00353	0.00212
11209	1888.13	124.1	3.51	0.24	0.0188	0.0365	26.99	1.678	-0.672	3.1335	-0.00287	0.04037	-0.02424	0.00092	0.01288	-0.00774	0.00355	0.00243	0.00268
11210	1887.84	124.4	3.51	0.24	0.0157	0.0404	27.11	1.678	-0.544	3.1322	-0.00033	0.03812	-0.02579	0.00011	0.01217	-0.00823	0.00274	0.00171	0.00218
11211	1888.42	124.1	3.51	0.25	0.0188	0.0374	27.24	1.678	-0.428	3.1343	-0.00007	0.03570	-0.02773	-0.00002	0.01139	-0.00885	0.00261	0.00093	0.00156
11212	1887.55	124.4	3.50	0.24	0.0233	0.0296	27.37	1.678	-0.303	3.1328	-0.00506	0.03126	-0.03181	-0.00161	0.00998	-0.01015	0.01002	-0.00048	0.00026
11213	1888.13	124.6	3.50	0.25	0.0209	0.0339	27.36	1.678	-0.307	3.1340	-0.00584	0.03113	-0.03148	-0.00186	0.00993	-0.01004	0.00077	-0.00052	0.00037
11214	1888.13	124.4	3.51	0.25	0.0188	0.0374	27.49	1.678	-0.180	3.1334	-0.00712	0.03115	-0.03353	-0.00227	0.00994	-0.01070	0.00036	-0.00051	-0.00029
11215	1887.84	124.5	3.50	0.24	0.0209	0.0329	27.61	1.678	-0.050	3.1334	-0.01010	0.03517	-0.03532	-0.00322	0.01123	-0.01127	-0.00059	0.00077	-0.00086
11216	1888.56	124.1	3.51	0.25	0.0202	0.0325	27.74	1.678	0.068	3.1345	-0.01067	0.03820	-0.03246	-0.00340	0.01219	-0.01036	-0.00077	0.00173	0.00006
11217	1887.12	124.3	3.50	0.24	0.0216	0.0324	27.86	1.678	0.197										

Table A18. Continued.

Run = 160
M = 1.60
xsppos = 42.349

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
11237	1888.13	124.2	3.51	0.24	0.0247	0.0294	30.36	1.678	2.695	3.1339	-0.00016	0.04204	-0.01923	-0.00005	0.01342	-0.00614	0.00258	0.00296	0.00428
11238	1888.56	124.1	3.51	0.24	0.0202	0.0316	30.49	1.678	2.825	3.1338	-0.00024	0.04257	-0.02133	-0.00008	0.01358	-0.00681	0.00256	0.00313	0.00361
11239	1888.13	124.1	3.51	0.24	0.0222	0.0337	30.72	1.678	3.054	3.1326	0.00147	0.04408	-0.02126	0.00047	0.01407	-0.00679	0.00310	0.00361	0.00363
11240	1886.83	124.4	3.50	0.24	0.0219	0.0326	30.74	1.678	3.077	3.1321	0.00047	0.04080	-0.02176	0.00015	0.01303	-0.00695	0.00278	0.00257	0.00347
11241	1887.98	124.1	3.51	0.25	0.0233	0.0315	30.87	1.678	3.196	3.1338	0.00043	0.04269	-0.02145	0.00014	0.01362	-0.00684	0.00277	0.00317	0.00357
11242	1886.83	124.4	3.50	0.24	0.0240	0.0347	30.99	1.678	3.323	3.1324	0.00062	0.04316	-0.02326	0.00020	0.01378	-0.00742	0.00283	0.00332	0.00299
11243	1887.98	124.2	3.51	0.25	0.0229	0.0331	31.12	1.678	3.445	3.1338	0.00241	0.04357	-0.02099	0.00077	0.01390	-0.00670	0.00340	0.00345	0.00372
11244	1886.69	124.4	3.50	0.25	0.0240	0.0347	31.24	1.678	3.568	3.1319	0.00113	0.04386	-0.02169	0.00036	0.01400	-0.00692	0.00299	0.00355	0.00349
11245	1888.27	124.1	3.51	0.24	0.0284	0.0287	31.36	1.678	3.692	3.1339	0.00183	0.04575	-0.02196	0.00058	0.01460	-0.00701	0.00322	0.00414	0.00341
11246	1887.70	124.4	3.50	0.25	0.0219	0.0410	31.49	1.678	3.819	3.1333	0.00287	0.04460	-0.02225	0.00091	0.01424	-0.00710	0.00355	0.00378	0.00331
11247	1888.27	124.0	3.51	0.25	0.0264	0.0387	31.62	1.679	3.942	3.1345	0.00246	0.04346	-0.02378	0.00079	0.01387	-0.00759	0.00342	0.00341	0.00283
11248	1886.83	124.2	3.50	0.24	0.0233	0.0380	31.74	1.678	4.073	3.1326	0.00265	0.04227	-0.02414	0.00085	0.01349	-0.00771	0.00348	0.00304	0.00271
11249	1888.56	124.0	3.51	0.25	0.0274	0.0328	31.86	1.678	4.192	3.1349	0.00268	0.04121	-0.02326	0.00086	0.01315	-0.00742	0.00349	0.00269	0.00299
11250	1886.98	124.3	3.50	0.25	0.0281	0.0257	31.99	1.679	4.313	3.1322	0.00136	0.04212	-0.02325	0.00043	0.01345	-0.00742	0.00307	0.00299	0.00299
11251	1888.13	124.0	3.51	0.25	0.0295	0.0255	32.12	1.679	4.439	3.1340	-0.00035	0.04560	-0.02145	-0.00011	0.01455	-0.00684	0.00252	0.00409	0.00357
11252	1886.98	124.3	3.50	0.25	0.0284	0.0241	32.24	1.679	4.564	3.1319	0.00221	0.04630	-0.02059	0.00071	0.01478	-0.00657	0.00334	0.00433	0.00384
11253	1888.56	123.9	3.51	0.25	0.0291	0.0263	32.36	1.679	4.686	3.1342	0.00413	0.04801	-0.01943	0.00132	0.01532	-0.00620	0.00395	0.00486	0.00421
11254	1886.98	124.2	3.51	0.25	0.0229	0.0332	32.49	1.678	4.823	3.1312	0.00569	0.04851	-0.01751	0.00182	0.01549	-0.00559	0.00445	0.00504	0.00482
11255	1888.42	123.9	3.51	0.25	0.0291	0.0272	32.61	1.679	4.938	3.1343	0.00722	0.04788	-0.01784	0.00230	0.01528	-0.00569	0.00494	0.00482	0.00472
11256	1886.69	124.4	3.50	0.24	0.0243	0.0330	32.74	1.678	5.073	3.1324	0.00614	0.04503	-0.02017	0.00196	0.01438	-0.00644	0.00459	0.00392	0.00398
11257	1888.13	124.3	3.51	0.25	0.0305	0.0252	32.87	1.679	5.189	3.1336	0.00566	0.04691	-0.01994	0.00181	0.01497	-0.00636	0.00444	0.00451	0.00405
11258	1887.41	124.5	3.50	0.25	0.0288	0.0298	32.99	1.679	5.313	3.1323	0.00391	0.04499	-0.01898	0.00125	0.01436	-0.00606	0.00388	0.00390	0.00435
11259	1888.13	124.1	3.51	0.25	0.0308	0.0282	33.11	1.679	5.436	3.1345	0.00353	0.04489	-0.02209	0.00113	0.01432	-0.00705	0.00376	0.00386	0.00337
11260	1887.70	124.3	3.51	0.25	0.0264	0.0332	33.24	1.678	5.567	3.1329	0.00340	0.04441	-0.02045	0.00108	0.01418	-0.00653	0.00372	0.00372	0.00389
11261	1888.56	124.2	3.51	0.24	0.0277	0.0292	33.36	1.678	5.693	3.1345	0.00485	0.04420	-0.01822	0.00155	0.01410	-0.00581	0.00418	0.00365	0.00460
11262	1887.41	124.4	3.50	0.24	0.0250	0.0371	33.49	1.678	5.822	3.1332	0.00379	0.04295	-0.01696	0.00121	0.01371	-0.00541	0.00384	0.00325	0.00500
11263	1888.27	124.0	3.51	0.24	0.0246	0.0341	33.61	1.678	5.948	3.1337	0.00421	0.04547	-0.01539	0.00134	0.01451	-0.00491	0.00398	0.00405	0.00550
11264	1887.55	124.4	3.50	0.24	0.0229	0.0331	33.74	1.678	6.075	3.1319	0.00371	0.04730	-0.01313	0.00118	0.01510	-0.00419	0.00382	0.00465	0.00622
11265	1888.70	124.1	3.51	0.24	0.0205	0.0374	33.86	1.678	6.202	3.1342	0.00541	0.04741	-0.01529	0.00172	0.01513	-0.00488	0.00436	0.00467	0.00553
11266	1887.84	124.4	3.51	0.24	0.0246	0.0331	33.99	1.678	6.323	3.1321	0.00690	0.05032	-0.01498	0.00220	0.01607	-0.00478	0.00484	0.00561	0.00563
11267	1888.70	124.0	3.51	0.24	0.0195	0.0368	34.11	1.678	6.456	3.1338	0.00712	0.04749	-0.01704	0.00227	0.01515	-0.00544	0.00490	0.00470	0.00498
11268	1887.98	124.2	3.51	0.23	0.0198	0.0352	34.24	1.677	6.585	3.1333	0.00785	0.04808	-0.01650	0.00251	0.01535	-0.00527	0.00514	0.00489	0.00515
11269	1888.27	124.1	3.51	0.23	0.0188	0.0346	34.36	1.677	6.709	3.1352	0.00715	0.04786	-0.01843	0.00228	0.01526	-0.00588	0.00491	0.00481	0.00454
11270	1888.42	124.3	3.51	0.24	0.0212	0.0350	34.49	1.678	6.825	3.1337	0.00905	0.05112	-0.01898	0.00289	0.01631	-0.00606	0.00552	0.00586	0.00436
11271	1888.27	124.3	3.51	0.24	0.0212	0.0322	34.61	1.678	6.949	3.1349	0.00775	0.04974	-0.02044	0.00247	0.01587	-0.00652	0.00510	0.00541	0.00389
11272	1888.27	124.2	3.51	0.24	0.0212	0.0387	34.74	1.678	7.079	3.1324	0.00891	0.05143	-0.01556	0.00284	0.01642	-0.00497	0.00548	0.00596	0.00545
11273	1888.42	124.3	3.51	0.23	0.0191	0.0404	34.86	1.677	7.209	3.1345	0.00833	0.05146	-0.01832	0.00266	0.01642	-0.00584	0.00529	0.00596	0.00457
11274	1888.13	124.3	3.51	0.24	0.0205	0.0355	34.99	1.678	7.330	3.1341	0.00921	0.05083	-0.01639	0.00294	0.01622	-0.00523	0.00557	0.00576	0.00518
11275	1888.13	124.3	3.51	0.24	0.0192	0.0394	35.11	1.678	7.451	3.1341	0.01010	0.05005	-0.01400	0.00322	0.01597	-0.00447	0.00586	0.00551	0.00595
11276	1888.27	124.2	3.51	0.24	0.0192	0.0376	35.24	1.678	7.578	3.1333	0.01043	0.04938	-0.01410	0.00333	0.01576	-0.00450	0.00596	0.00530	0.00591
11277	1888.70	124.1	3.51	0.24	0.0202	0.0297	35.36	1.678	7.704	3.1350	0.00878	0.04496	-0.01399	0.00280	0.01434	-0.00446	0.00543	0.00388	0.00595
11278	1888.42	124.1	3.51	0.24	0.0229	0.0266	35.49	1.678	7.826	3.1343	0.00823	0.04291	-0.01443	0.00263	0.01369	-0.00460	0.00526	0.00323	0.00581
11279	1887.98	124.3	3.51	0.24	0.0195	0.0312	35.61	1.678	7.954	3.1334	0.00615	0.04200	-0.01493	0.00196	0.01340	-0.00476	0.00459	0.00295	0.00565
11280	1888.13	124.2	3.51	0.23	0.0195	0.0303	35.74	1.677	8.086	3.1341	0.00314	0.03879	-0.01396	0.00100	0.01238	-0.00445	0.00364	0.00192	0.00596
11281	1888.56	124.2	3.51	0.23	0.0202	0.0279	35.86	1.677	8.208	3.1353	0.00124	0.03688	-0.01497	0.00040	0.01176	-0.00477	0.00303	0.00130	0.00564
11282	1888.27	124.3	3.51	0.24	0.0229	0.0285	35.99	1.678	8.325	3.1331	-0.00137	0.03782	-0.01211	-0.00044	0.01207	-0.00386	0.00220	0.00161	0.00655
11283	1888.56	124.3	3.51	0.24	0.0195	0.0312	36.11	1.678	8.454	3.1347	-0.00298	0.03399	-0.01360	-0.00095	0.01084	-0.00434	0.00168	0.00039	0.00608
11284	1888.13	124.0	3.51	0.23	0.0192	0.0357	36.24	1.677	8.583	3.1339	-0.00403	0.03221	-0.01281	-0.00129	0.01028	-0.00409	0.00135	-0.00018	0.00633
11285	1888.56	124.1	3.51	0.23	0.0174	0.0348	36.36	1.677	8.713	3.1342	-0.00760	0.02798	-0.01412	-0.00242	0.00893	-0.00451	0.00021	-0.00153	0.00591
11286	1887.84	124.2	3.51	0.23	0.0181	0.0333	36.49	1.677	8.834	3.1326	-0.01152	0.02184	-0.01547	-0.00368	0.00697	-0.00494	-0.00104	-0.00349	0.00547
11287	1888.56	124.1	3.51	0.23	0.0171	0.0411	36.61	1.677	8.962	3.1349	-0.01367	0.01819	-0.01728	-0.00436	0.00580	-0.00551	-0.00173	-0.00465	0.00490
11288	1888.42	124.3	3.51	0.24	0.0178	0.0396	36.74	1.678	9.079	3.1339	-0.01902	0.01408	-0.01865	-0.00607	0.00449	-0.00595	-0.00344	-0.00596	0.00446
11289	1888.85	124.2	3.51	0.24	0.0188	0.0346	36.86	1.678	9.200	3.1353	-0.02177	0.00792	-0.02347	-0.00694	0.00252	-0.00749	-0.00431	-0.00793	0.00293
11290	1888.13	124.2	3.51	0.24	0.0219	0.0391	36.99	1.678	9.327	3.									

Table A18. Concluded.

Run = 160
M = 1.60
xspos = 42.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
11310	1888.27	123.9	3.51	0.24	0.0240	0.0318	39.49	1.678	11.825	3.1345	-0.01242	0.02877	-0.05633	-0.00396	0.00918	-0.01797	-0.00133	-0.00128	-0.00756
11311	1887.55	124.2	3.51	0.24	0.0257	0.0319	39.61	1.678	11.945	3.1329	-0.01156	0.03210	-0.05372	-0.00369	0.01025	-0.01715	-0.00106	-0.00021	-0.00673
11312	1888.27	124.2	3.51	0.25	0.0243	0.0339	39.74	1.678	12.070	3.1338	-0.00934	0.03245	-0.05011	-0.00298	0.01036	-0.01599	-0.00035	-0.00010	-0.00558
11313	1887.12	124.4	3.50	0.24	0.0240	0.0356	39.86	1.678	12.200	3.1322	-0.01022	0.03342	-0.04574	-0.00326	0.01067	-0.01460	-0.00063	0.00021	-0.00419
11314	1888.13	124.2	3.51	0.24	0.0284	0.0306	39.99	1.678	12.319	3.1343	-0.01028	0.03136	-0.04287	-0.00328	0.01001	-0.01368	-0.00065	-0.00045	-0.00327
11315	1886.98	124.4	3.50	0.25	0.0260	0.0311	40.12	1.679	12.443	3.1319	-0.00907	0.03022	-0.03923	-0.00290	0.00965	-0.01252	-0.00026	-0.00081	-0.00211
11316	1888.42	124.0	3.51	0.25	0.0260	0.0339	40.24	1.678	12.569	3.1337	-0.00891	0.03091	-0.03741	-0.00284	0.00986	-0.01194	-0.00021	-0.00059	-0.00152
11317	1887.41	124.4	3.50	0.24	0.0222	0.0374	40.37	1.678	12.702	3.1322	-0.00803	0.02781	-0.03881	-0.00256	0.00888	-0.01239	0.00007	-0.00158	-0.00198
11318	1888.70	124.0	3.51	0.24	0.0243	0.0329	40.49	1.678	12.825	3.1346	-0.00974	0.02585	-0.03853	-0.00311	0.00825	-0.01229	-0.00047	-0.00221	-0.00188
11319	1887.26	124.3	3.50	0.25	0.0291	0.0319	40.61	1.679	12.938	3.1334	-0.01059	0.02461	-0.04008	-0.00338	0.00786	-0.01154	-0.00075	-0.00260	-0.00238
11320	1888.56	124.1	3.51	0.24	0.0215	0.0380	40.74	1.678	13.077	3.1342	-0.01239	0.02382	-0.03721	-0.00395	0.00760	-0.01187	-0.00132	-0.00286	-0.00146
11321	1887.12	124.5	3.50	0.24	0.0253	0.0363	40.86	1.678	13.199	3.1320	-0.01370	0.02153	-0.03860	-0.00437	0.00688	-0.01232	-0.00174	-0.00358	-0.00191
11322	1888.42	124.1	3.51	0.24	0.0246	0.0341	40.99	1.678	13.321	3.1333	-0.01387	0.02168	-0.03614	-0.00443	0.00692	-0.01154	-0.00179	-0.00354	-0.00112
11323	1886.98	124.3	3.50	0.24	0.0247	0.0350	41.11	1.678	13.449	3.1321	-0.01617	0.02181	-0.03795	-0.00516	0.00696	-0.01212	-0.00253	-0.00349	-0.00170
11324	1888.27	124.1	3.51	0.24	0.0257	0.0356	41.24	1.678	13.572	3.1344	-0.01573	0.02244	-0.03825	-0.00502	0.00716	-0.01220	-0.00238	-0.00330	-0.00179
11325	1886.83	124.6	3.50	0.24	0.0226	0.0386	41.36	1.678	13.701	3.1317	-0.01346	0.02947	-0.03785	-0.00430	0.00941	-0.01209	-0.00166	-0.00105	-0.00167
11326	1888.56	124.1	3.51	0.24	0.0233	0.0389	41.49	1.678	13.827	3.1340	-0.01282	0.03074	-0.03624	-0.00409	0.00981	-0.01156	-0.00146	-0.00065	-0.00115
11327	1886.83	124.4	3.50	0.24	0.0247	0.0350	41.61	1.678	13.948	3.1313	-0.00785	0.03267	-0.03634	-0.00251	0.01043	-0.01160	0.00012	-0.00002	-0.00119
11328	1888.42	124.0	3.51	0.24	0.0253	0.0363	41.74	1.678	14.069	3.1340	-0.00745	0.03044	-0.03694	-0.00238	0.00971	-0.01179	0.00025	-0.00074	-0.00137
11329	1887.84	124.2	3.51	0.24	0.0229	0.0341	41.87	1.678	14.199	3.1337	-0.00788	0.02757	-0.03844	-0.00251	0.00880	-0.01227	0.00012	-0.00166	-0.00185
11330	1888.42	124.0	3.51	0.24	0.0243	0.0367	41.99	1.678	14.323	3.1341	-0.01010	0.02650	-0.04066	-0.00322	0.00846	-0.01297	-0.00059	-0.00200	-0.00256
11331	1887.55	124.4	3.50	0.24	0.0226	0.0348	42.11	1.678	14.452	3.1324	-0.01274	0.02415	-0.04000	-0.00407	0.00771	-0.01277	-0.00144	-0.00275	-0.00236
11332	1888.42	124.1	3.51	0.24	0.0212	0.0350	42.24	1.678	14.577	3.1340	-0.01421	0.02635	-0.04177	-0.00453	0.00841	-0.01333	-0.00190	-0.00205	-0.00292
11333	1887.55	124.2	3.51	0.25	0.0260	0.0330	42.36	1.678	14.692	3.1327	-0.01505	0.02873	-0.04136	-0.00480	0.00917	-0.01320	-0.00217	-0.00129	-0.00279
11334	1888.85	124.0	3.51	0.25	0.0274	0.0300	42.49	1.679	14.814	3.1352	-0.01381	0.03286	-0.03817	-0.00440	0.01048	-0.01217	-0.00177	-0.00002	-0.00176
11335	1887.41	124.5	3.50	0.23	0.0188	0.0383	42.61	1.677	14.958	3.1326	-0.00671	0.03504	-0.03386	-0.00214	0.01119	-0.01081	0.00049	0.00073	-0.00040
11336	1888.42	124.1	3.51	0.24	0.0243	0.0320	42.74	1.678	15.074	3.1343	-0.00522	0.03653	-0.03139	-0.00167	0.01165	-0.01001	0.00097	0.00120	0.00040
11337	1887.41	124.3	3.51	0.24	0.0253	0.0307	42.86	1.678	15.194	3.1324	-0.00519	0.03598	-0.03258	-0.00166	0.01149	-0.01040	0.00098	0.00103	0.00001
11338	1888.42	123.9	3.51	0.25	0.0233	0.0352	42.99	1.678	15.318	3.1334	-0.00367	0.03711	-0.03293	-0.00117	0.01184	-0.01051	0.00146	0.00139	-0.00010
11339	1887.55	124.3	3.51	0.24	0.0250	0.0315	43.11	1.678	15.448	3.1324	-0.00448	0.03462	-0.03715	-0.00143	0.01105	-0.01186	0.00120	0.00060	-0.00145
11340	1888.85	124.1	3.51	0.24	0.0229	0.0322	43.24	1.678	15.572	3.1346	-0.00558	0.03506	-0.03955	-0.00178	0.01119	-0.01262	0.00085	0.00073	-0.00220
11341	1888.13	124.1	3.51	0.24	0.0212	0.0359	43.36	1.678	15.705	3.1345	-0.00566	0.03242	-0.04115	-0.00181	0.01034	-0.01313	0.00083	-0.00011	-0.00271
11342	1888.99	124.0	3.51	0.24	0.0267	0.0287	43.49	1.678	15.822	3.1356	-0.00672	0.03288	-0.03872	-0.00214	0.01048	-0.01235	0.00049	0.00003	-0.00193
11343	1887.70	124.2	3.51	0.24	0.0274	0.0300	43.61	1.678	15.943	3.1329	-0.00778	0.03173	-0.03507	-0.00248	0.01013	-0.01119	0.00015	-0.00033	-0.00078
11344	1888.13	124.1	3.51	0.24	0.0246	0.0303	43.74	1.678	16.072	3.1339	-0.00682	0.03230	-0.03053	-0.00217	0.01031	-0.00974	0.00046	-0.00015	0.00067
11345	1887.70	124.3	3.51	0.24	0.0243	0.0320	43.87	1.678	16.202	3.1334	-0.00781	0.03249	-0.02986	-0.00249	0.01037	-0.00953	0.00014	-0.00009	0.00088
11346	1888.99	124.1	3.51	0.25	0.0264	0.0285	43.99	1.678	16.317	3.1348	-0.00801	0.03229	-0.02920	-0.00255	0.01030	-0.00931	0.00008	-0.00016	0.00110
11347	1887.84	124.2	3.51	0.25	0.0260	0.0320	44.11	1.678	16.441	3.1336	-0.00758	0.03243	-0.02882	-0.00242	0.01035	-0.00920	0.00021	-0.00011	0.00122
11348	1888.56	124.1	3.51	0.24	0.0240	0.0318	44.24	1.678	16.570	3.1347	-0.00778	0.03319	-0.02910	-0.00248	0.01059	-0.00928	0.00015	0.00013	0.00113
11349	1888.27	124.0	3.51	0.23	0.0202	0.0400	44.36	1.678	16.708	3.1327	-0.00741	0.03300	-0.02724	-0.00237	0.01053	-0.00870	0.00027	0.00008	0.00172
11350	1888.13	124.0	3.51	0.24	0.0209	0.0339	44.49	1.678	16.826	3.1336	-0.00750	0.03306	-0.03006	-0.00239	0.01055	-0.00959	0.00024	0.00009	0.00082
11351	1888.13	124.2	3.51	0.24	0.0216	0.0324	44.61	1.678	16.949	3.1335	-0.00704	0.03306	-0.02977	-0.00225	0.01055	-0.00950	0.00039	0.00009	0.00091
11352	1888.42	124.1	3.51	0.24	0.0236	0.0316	44.74	1.678	17.076	3.1344	-0.00784	0.03304	-0.03188	-0.00250	0.01054	-0.01017	0.00013	0.00009	0.00024
11353	1888.27	124.1	3.51	0.25	0.0264	0.0294	44.86	1.678	17.192	3.1334	-0.00734	0.03402	-0.03185	-0.00234	0.01086	-0.01016	0.00029	0.00040	0.00025
11354	1888.42	124.1	3.51	0.24	0.0243	0.0311	44.99	1.678	17.323	3.1342	-0.00761	0.03302	-0.03103	-0.00243	0.01054	-0.00990	0.00021	0.00008	0.00051
11355	1887.84	124.1	3.51	0.24	0.0243	0.0311	45.12	1.678	17.448	3.1328	-0.00815	0.03329	-0.03076	-0.00260	0.01063	-0.00982	0.00003	0.00017	0.00060
11356	1888.27	124.2	3.51	0.24	0.0219	0.0316	45.24	1.678	17.574	3.1342	-0.00849	0.03283	-0.03101	-0.00271	0.01048	-0.00989	-0.00008	0.00002	0.00052
11357	1888.56	124.3	3.51	0.24	0.0243	0.0329	45.36	1.678	17.700	3.1347	-0.00647	0.03332	-0.03129	-0.00206	0.01063	-0.00998	0.00057	0.00017	0.00043

Table A19. Run 196.

Run = 196
M = 1.60
xspos = 42.352

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
12751	1887.55	124.7	3.50	-0.27	0.0056	0.0320	21.36	1.664	-6.078	3.1353	-0.01001	0.03273	-0.00732	-0.00319	0.01044	-0.00233	-0.00011	-0.00039	0.00001
12752	1888.85	124.3	3.51	-0.27	0.0108	0.0283	21.49	1.665	-5.956	3.1380	-0.00968	0.03449	-0.00674	-0.00308	0.01099	-0.00215	0.00000	0.00016	0.00019
12753	1888.70	124.0	3.51	-0.28	0.0066	0.0325	21.61	1.664	-5.816	3.1375	-0.00975	0.03413	-0.00788	-0.00311	0.01088	-0.00251	-0.00003	0.00005	-0.00017
12754	1888.13	124.5	3.50	-0.28	0.0060	0.0331	21.74	1.664	-5.693	3.1366	-0.00987	0.03415	-0.00512	-0.00315	0.01089	-0.00163	-0.00007	0.00006	0.00071
12755	1887.12	124.4	3.50	-0.27	0.0070	0.0300	21.87	1.665	-5.580	3.1356	-0.00899	0.03435	-0.00966	-0.00287	0.01095	-0.00308	0.00021	0.00013	-0.00074
12756	1888.85	123.8	3.51	-0.28	0.0080	0.0268	21.99	1.664	-5.449	3.1380	-0.00933	0.03427	-0.00618	-0.00297	0.01092	-0.00197	0.00011	0.00009	0.00037
12757	1888.56	124.2	3.51	-0.28	0.0077	0.0303	22.12	1.664	-5.322	3.1378	-0.00963	0.03293	-0.00753	-0.00307	0.01049	-0.00240	0.00001	-0.00034	-0.00006
12758	1887.41	124.5	3.50	-0.28	0.0032	0.0372	22.24	1.664	-5.189	3.1351	-0.00906	0.03387	-0.00553	-0.00289	0.01080	-0.00176	0.00019	-0.00003	0.00058
12759	1888.99	123.8	3.51	-0.28	0.0077	0.0284	22.36	1.664	-5.068	3.1387	-0.00985	0.03380	-0.00924	-0.00314	0.01077	-0.00295	-0.00006	-0.00006	-0.00060
12760	1888.70	123.8	3.51	-0.29	0.0032	0.0344	22.49	1.663	-4.935	3.1367	-0.00889	0.03459	-0.00703	-0.00283	0.01103	-0.00224	0.00025	0.00020	0.00010
12761	1887.55	124.3	3.51	-0.27	0.0060	0.0322	22.61	1.664	-4.825	3.1356	-0.00922	0.03352	-0.00949	-0.00294	0.01069	-0.00303	0.00014	-0.00014	-0.00069
12762	1888.70	123.9	3.51	-0.27	0.0053	0.0290	22.74	1.664	-4.700	3.1381	-0.01003	0.03444	-0.00727	-0.00320	0.01097	-0.00232	-0.00012	0.00015	0.00003
12763	1888.27	124.1	3.51	-0.28	0.0056	0.0301	22.86	1.664	-4.569	3.1370	-0.00956	0.03373	-0.00845	-0.00305	0.01075	-0.00269	0.00003	-0.00008	-0.00035
12764	1887.41	124.5	3.50	-0.27	0.0080	0.0259	22.99	1.665	-4.455	3.1346	-0.00911	0.03390	-0.00439	-0.00291	0.01081	-0.00140	0.00017	-0.00002	0.00094
12765	1888.13	124.1	3.51	-0.26	0.0084	0.0288	23.11	1.665	-4.341	3.1367	-0.00965	0.03315	-0.00747	-0.00308	0.01057	-0.00238	0.00000	-0.00026	-0.00004
12766	1888.42	123.9	3.51	-0.27	0.0066	0.0270	23.24	1.664	-4.200	3.1372	-0.00848	0.03432	-0.00816	-0.00270	0.01094	-0.00260	0.00038	0.00011	-0.00026
12767	1888.13	124.3	3.51	-0.27	0.0077	0.0294	23.36	1.665	-4.079	3.1376	-0.00986	0.03261	-0.01103	-0.00314	0.01039	-0.00351	-0.00006	-0.00044	-0.00117
12768	1887.12	124.3	3.50	-0.27	0.0080	0.0277	23.49	1.665	-3.955	3.1356	-0.01110	0.03286	-0.00850	-0.00354	0.01048	-0.00271	-0.00046	-0.00035	-0.00037
12769	1888.70	123.9	3.51	-0.28	0.0063	0.0286	23.61	1.664	-3.822	3.1384	-0.01128	0.03378	-0.00955	-0.00359	0.01076	-0.00304	-0.00051	-0.00007	-0.00070
12770	1888.42	124.2	3.51	-0.27	0.0066	0.0316	23.74	1.664	-3.701	3.1370	-0.00931	0.03426	-0.00645	-0.00297	0.01092	-0.00206	0.00011	0.00009	0.00029
12771	1887.12	124.5	3.50	-0.28	0.0012	0.0333	23.86	1.664	-3.563	3.1333	-0.01035	0.03551	-0.00566	-0.00330	0.01133	-0.00181	-0.00022	0.00050	0.00054
12772	1888.70	124.0	3.51	-0.29	0.0056	0.0320	23.99	1.664	-3.440	3.1380	-0.01031	0.03390	-0.00714	-0.00329	0.01080	-0.00228	-0.00021	-0.00003	0.00006
12773	1888.27	124.3	3.51	-0.28	0.0039	0.0338	24.11	1.664	-3.317	3.1362	-0.00957	0.03503	-0.00711	-0.00305	0.01117	-0.00227	0.00003	0.00034	0.00007
12774	1887.26	125.0	3.50	-0.28	0.0042	0.0312	24.24	1.664	-3.193	3.1350	-0.01116	0.03644	-0.00967	-0.00356	0.01162	-0.00308	-0.00048	0.00079	-0.00074
12775	1888.85	124.3	3.51	-0.29	0.0046	0.0240	24.37	1.663	-3.060	3.1375	-0.00871	0.03792	-0.00666	-0.00278	0.01209	-0.00212	0.00031	0.00126	0.00022
12776	1888.56	124.0	3.51	-0.28	0.0053	0.0253	24.49	1.664	-2.939	3.1373	-0.00803	0.03709	-0.00707	-0.00256	0.01182	-0.00225	0.00052	0.00099	0.00009
12777	1888.13	124.5	3.50	-0.29	0.0036	0.0318	24.61	1.663	-2.807	3.1355	-0.00527	0.03552	-0.00568	-0.00168	0.01133	-0.00181	0.00140	0.00050	0.00053
12778	1886.98	124.7	3.50	-0.29	0.0060	0.0238	24.74	1.664	-2.690	3.1348	-0.00783	0.03280	-0.00817	-0.00250	0.01046	-0.00261	0.00058	-0.00037	-0.00027
12779	1889.14	124.0	3.51	-0.29	0.0025	0.0284	24.86	1.663	-2.559	3.1380	-0.00899	0.03269	-0.00740	-0.00287	0.01042	-0.00236	0.00021	-0.00041	-0.00002
12780	1888.70	124.1	3.51	-0.24	0.0080	0.0296	24.86	1.666	-2.606	3.1377	-0.00821	0.03179	-0.00773	-0.00262	0.01013	-0.00246	0.00046	-0.00070	-0.00012
12781	1887.84	124.5	3.50	-0.24	0.0073	0.0236	24.99	1.666	-2.480	3.1358	-0.01020	0.03248	-0.01010	-0.00325	0.01036	-0.00322	-0.00017	-0.00047	-0.00088
12782	1886.69	124.5	3.50	-0.24	0.0036	0.0337	25.11	1.666	-2.347	3.1335	-0.01015	0.03471	-0.00646	-0.00324	0.01108	-0.00206	-0.00016	0.00025	0.00028
12783	1888.27	124.0	3.51	-0.29	0.0005	0.0413	25.11	1.663	-2.311	3.1375	-0.01248	0.03393	-0.00970	-0.00398	0.01081	-0.00309	-0.00090	-0.00002	-0.00075
12784	1887.26	124.1	3.51	-0.27	0.0053	0.0458	25.24	1.665	-2.203	3.1348	-0.01093	0.03694	-0.00682	-0.00349	0.01178	-0.00218	-0.00041	0.00095	0.00016
12785	1888.85	123.9	3.51	-0.26	0.0046	0.0454	25.36	1.665	-2.086	3.1381	-0.00933	0.04084	-0.00851	-0.00297	0.01301	-0.00271	0.00011	0.00219	-0.00037
12786	1887.98	124.0	3.51	-0.27	0.0022	0.0459	25.49	1.664	-1.948	3.1364	-0.00739	0.04086	-0.00703	-0.00236	0.01303	-0.00224	0.00072	0.00220	0.00010
12787	1887.70	124.4	3.50	-0.27	0.0053	0.0430	25.61	1.665	-1.830	3.1361	-0.00397	0.04181	-0.00760	-0.00127	0.01333	-0.00242	0.00181	0.00250	-0.00008
12788	1888.70	124.2	3.51	-0.27	0.0059	0.0396	25.74	1.664	-1.702	3.1375	-0.00275	0.03773	-0.00591	-0.00088	0.01203	-0.00188	0.00220	0.00120	0.00046
12789	1888.42	124.3	3.51	-0.28	0.0022	0.0487	25.86	1.664	-1.569	3.1367	-0.00409	0.03579	-0.00343	-0.00130	0.01141	-0.00109	0.00178	0.00058	0.00125
12790	1887.84	124.7	3.50	-0.27	0.0035	0.0411	25.99	1.664	-1.449	3.1372	-0.00831	0.03074	-0.00919	-0.00265	0.00980	-0.00293	0.00043	-0.00103	-0.00059
12791	1886.83	124.8	3.50	-0.27	0.0005	0.0450	26.11	1.664	-1.318	3.1345	-0.00888	0.03010	-0.00853	-0.00283	0.00960	-0.00272	0.00025	-0.00123	-0.00038
12792	1887.70	125.1	3.50	-0.27	0.0015	0.0437	26.11	1.664	-1.319	3.1360	-0.01112	0.02951	-0.00999	-0.00355	0.00941	-0.00319	-0.00047	-0.00142	-0.00085
12793	1886.69	124.9	3.50	-0.27	0.0022	0.0413	26.24	1.664	-1.197	3.1346	-0.01241	0.03022	-0.01054	-0.00396	0.00964	-0.00336	-0.00088	-0.00119	-0.00102
12794	1889.14	124.0	3.51	-0.28	0.0032	0.0427	26.36	1.664	-1.066	3.1385	-0.01293	0.03577	-0.00722	-0.00412	0.01140	-0.00230	-0.00104	0.00057	0.00004
12795	1887.98	124.5	3.50	-0.28	0.0056	0.0376	26.49	1.664	-0.948	3.1355	-0.01094	0.04029	-0.00614	-0.00349	0.01285	-0.00196	-0.00041	0.00202	0.00038
12796	1887.26	124.9	3.50	-0.27	0.0022	0.0394	26.62	1.664	-0.819	3.1355	-0.00762	0.04212	-0.00407	-0.00243	0.01343	-0.00130	0.00065	0.00260	0.00104
12797	1889.28	124.0	3.51	-0.28	-0.0002	0.0381	26.74	1.663	-0.687	3.1401	-0.00466	0.04284	-0.00278	-0.00148	0.01364	-0.00088	0.00160	0.00281	0.00146
12798	1888.56	123.9	3.51	-0.28	0.0036	0.0355	26.86	1.664	-0.568	3.1371	0.00037	0.04265	-0.00284	0.00012	0.01360	-0.00091	0.00320	0.00277	0.00144
12799	1887.26	124.5	3.50	-0.28	0.0025	0.0378	26.99	1.664	-0.445	3.1342	-0.00072	0.03867	0.00004	-0.00023	0.01234	0.00001	0.00285	0.00151	0.00235
12800	1888.56	124.1	3.51	-0.27	0.0025	0.0321	27.12	1.664	-0.322	3.1375	-0.00415	0.03448	-0.00440	-0.00132	0.01099	-0.00140	0.00176	0.00016	0.00094
12801	1888.56	123.8	3.51	-0.26	0.0036	0.0355	27.24	1.665	-0.209	3.1370	-0.00653	0.03212	-0.00938	-0.00208	0.01024	-0.00299	0.00100	-0.00059	-0.00065
12802	1887.70	124.1	3.51	-0.25	0.0022	0.0348	27.36	1.665	-0.088	3.1359	-0.01051	0.03149	-0.00820	-0.00335	0.01004	-0.00262	-0.00027	-0.00079	-0.00028
12803	1886.69	124.2	3.50	-0.25	0.0018	0.0374	27.49	1.665	0.034	3.1339	-0.01195	0.03627	-0.00936	-0.00381	0.01158	-0.00299	-0.00073	0.00075	-0.00065
12804	1888.70	123.4	3.51	-0.25	0.0008	0.0396	27.61	1.665	0.165										

Table A19. Continued.

Run = 196
M = 1.60
xspos = 42.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
12824	1889.14	124.0	3.51	-0.23	0.0049	0.0316	30.11	1.666	2.643	3.1394	-0.00193	0.04184	0.00255	-0.00061	0.01333	0.00081	0.00247	0.00250	0.00315
12825	1888.42	123.9	3.51	-0.23	0.0060	0.0312	30.24	1.666	2.768	3.1376	-0.00333	0.04285	0.00511	-0.00106	0.01366	0.00163	0.00202	0.00283	0.00397
12826	1887.70	124.6	3.50	-0.23	0.0073	0.0292	30.36	1.667	2.886	3.1359	-0.00154	0.04162	0.00416	-0.00049	0.01327	0.00133	0.00259	0.00244	0.00367
12827	1886.69	124.5	3.50	-0.23	0.0039	0.0329	30.49	1.666	3.021	3.1339	-0.00122	0.04177	0.00362	-0.00039	0.01333	0.00115	0.00269	0.00250	0.00349
12828	1888.70	123.9	3.51	-0.23	0.0084	0.0270	30.75	1.666	3.277	3.1370	-0.00140	0.04377	0.00028	-0.00045	0.01395	0.00009	0.00264	0.00312	0.00243
12829	1888.27	124.0	3.51	-0.22	0.0090	0.0311	30.75	1.667	3.270	3.1375	-0.00445	0.04236	-0.00168	-0.00142	0.01350	-0.00054	0.00166	0.00267	0.00180
12830	1887.70	124.5	3.50	-0.23	0.0077	0.0294	30.86	1.666	3.392	3.1356	-0.00208	0.04408	-0.00067	-0.00066	0.01406	-0.00021	0.00242	0.00323	0.00213
12831	1887.98	124.2	3.51	-0.22	0.0073	0.0320	30.99	1.667	3.509	3.1363	-0.00073	0.04630	0.00040	-0.00023	0.01476	0.00013	0.00285	0.00393	0.00247
12832	1888.42	123.8	3.51	-0.23	0.0080	0.0333	31.11	1.667	3.636	3.1362	-0.00060	0.05047	0.00009	-0.00019	0.01609	0.00003	0.00289	0.00526	0.00237
12833	1888.13	124.4	3.51	-0.22	0.0139	0.0253	31.24	1.667	3.749	3.1367	0.00001	0.05113	-0.00090	0.00000	0.01630	-0.00029	0.00308	0.00547	0.00205
12834	1887.41	124.3	3.51	-0.21	0.0097	0.0277	31.24	1.667	3.746	3.1348	0.00172	0.05160	0.00290	0.00055	0.01646	0.00092	0.00363	0.00563	0.00326
12835	1886.69	124.4	3.50	-0.23	0.0080	0.0240	31.37	1.666	3.891	3.1338	0.00549	0.05145	0.00254	0.00175	0.01642	0.00081	0.00483	0.00559	0.00315
12836	1889.14	123.7	3.51	-0.22	0.0091	0.0227	31.49	1.667	4.009	3.1378	0.00675	0.04898	0.00237	0.00215	0.01561	0.00075	0.00523	0.00478	0.00310
12837	1888.56	124.2	3.51	-0.22	0.0097	0.0249	31.49	1.667	4.004	3.1383	0.00701	0.04771	0.00261	0.00223	0.01520	0.00083	0.00531	0.00437	0.00317
12838	1888.85	123.9	3.51	-0.23	0.0080	0.0258	31.61	1.667	4.138	3.1384	0.00488	0.04260	0.00068	0.00156	0.01357	0.00022	0.00464	0.00274	0.00256
12839	1887.70	124.5	3.50	-0.22	0.0142	0.0255	31.74	1.667	4.252	3.1362	0.00328	0.03946	0.00268	0.00105	0.01258	0.00085	0.00413	0.00175	0.00319
12840	1886.98	124.8	3.50	-0.23	0.0094	0.0220	31.87	1.667	4.387	3.1353	-0.00115	0.03605	-0.00076	-0.00037	0.01150	-0.00024	0.00271	0.00067	0.00210
12841	1889.28	123.7	3.51	-0.23	0.0087	0.0271	31.99	1.667	4.510	3.1374	-0.00296	0.04062	0.00411	-0.00094	0.01295	0.00131	0.00214	0.00212	0.00365
12842	1888.56	123.8	3.51	-0.22	0.0135	0.0270	32.11	1.667	4.627	3.1381	-0.00051	0.04149	0.00528	-0.00207	0.01322	0.00168	0.00101	0.00239	0.00402
12843	1887.12	124.4	3.50	-0.22	0.0091	0.0292	32.24	1.667	4.759	3.1354	-0.00443	0.04614	0.00236	-0.00141	0.01472	0.00075	0.00167	0.00389	0.00309
12844	1888.27	124.0	3.51	-0.23	0.0108	0.0236	32.36	1.667	4.884	3.1378	0.00093	0.04744	0.00593	0.00030	0.01512	0.00189	0.00338	0.00429	0.00423
12845	1888.99	123.6	3.51	-0.23	0.0125	0.0218	32.49	1.667	5.007	3.1378	0.00349	0.04724	0.00946	0.00111	0.01506	0.00302	0.00419	0.00423	0.00536
12846	1887.98	124.1	3.51	-0.22	0.0087	0.0290	32.61	1.667	5.130	3.1372	0.00342	0.04370	0.00891	0.00109	0.01393	0.00284	0.00417	0.00310	0.00518
12847	1887.12	124.2	3.50	-0.21	0.0132	0.0278	32.74	1.668	5.244	3.1357	0.00282	0.04491	0.00678	0.00090	0.01432	0.00216	0.00398	0.00349	0.00450
12848	1888.99	123.6	3.51	-0.21	0.0108	0.0264	32.86	1.668	5.371	3.1388	0.00267	0.04342	0.00299	0.00085	0.01383	0.00095	0.00393	0.00300	0.00329
12849	1886.83	124.5	3.50	-0.22	0.0115	0.0278	32.86	1.667	5.382	3.1351	0.00114	0.04273	0.00418	0.00036	0.01363	0.00133	0.00344	0.00280	0.00368
12850	1888.85	123.7	3.51	-0.21	0.0128	0.0229	32.99	1.668	5.497	3.1377	0.00155	0.04376	-0.00138	0.00050	0.01395	-0.00044	0.00358	0.00312	0.00190
12851	1888.56	123.8	3.51	-0.22	0.0108	0.0236	33.11	1.667	5.629	3.1375	-0.00004	0.04505	0.00038	-0.00001	0.01436	0.00012	0.00307	0.00353	0.00246
12852	1887.98	124.2	3.51	-0.23	0.0094	0.0229	33.24	1.667	5.762	3.1358	0.00085	0.04321	0.00334	0.00027	0.01378	0.00106	0.00335	0.00295	0.00341
12853	1888.13	124.1	3.51	-0.22	0.0111	0.0210	33.36	1.667	5.875	3.1384	-0.00015	0.04328	0.00284	-0.00005	0.01379	0.00091	0.00303	0.00296	0.00325
12854	1888.42	123.8	3.51	-0.22	0.0111	0.0201	33.49	1.667	6.003	3.1380	0.00118	0.04561	0.00205	0.00038	0.01453	0.00065	0.00346	0.00370	0.00299
12855	1887.55	124.2	3.51	-0.21	0.0142	0.0237	33.61	1.668	6.117	3.1364	0.00196	0.04716	0.00375	0.00062	0.01504	0.00120	0.00370	0.00421	0.00354
12856	1886.98	124.4	3.50	-0.22	0.0101	0.0223	33.74	1.667	6.251	3.1346	0.00338	0.04582	0.00668	0.00108	0.01462	0.00213	0.00416	0.00379	0.00447
12857	1888.56	123.8	3.51	-0.23	0.0053	0.0271	33.87	1.666	6.391	3.1374	0.00389	0.04391	0.00378	0.00124	0.01400	0.00121	0.00432	0.00317	0.00355
12858	1888.27	124.2	3.51	-0.23	0.0073	0.0245	33.99	1.666	6.515	3.1374	0.00243	0.04432	0.00509	0.00078	0.01413	0.00162	0.00386	0.00330	0.00396
12859	1887.12	124.6	3.50	-0.23	0.0094	0.0210	34.11	1.667	6.635	3.1345	0.00382	0.04565	0.00608	0.00122	0.01456	0.00194	0.00430	0.00373	0.00428
12860	1888.99	123.9	3.51	-0.23	0.0070	0.0234	34.24	1.667	6.763	3.1380	0.00136	0.04430	0.00524	0.00043	0.01412	0.00167	0.00351	0.00329	0.00401
12861	1888.56	124.1	3.51	-0.23	0.0087	0.0244	34.36	1.667	6.889	3.1369	0.00085	0.04750	0.00608	0.00027	0.01514	0.00194	0.00335	0.00431	0.00428
12862	1887.55	124.7	3.50	-0.23	0.0084	0.0233	34.49	1.667	7.013	3.1353	0.00075	0.04948	0.00505	0.00024	0.01578	0.00161	0.00332	0.00495	0.00395
12863	1888.27	124.3	3.51	-0.23	0.0073	0.0208	34.61	1.666	7.140	3.1374	0.00515	0.04492	0.00345	0.00164	0.01432	0.00110	0.00472	0.00349	0.00344
12864	1888.56	123.8	3.51	-0.24	0.0039	0.0227	34.74	1.666	7.275	3.1376	0.00319	0.04085	0.00230	0.00102	0.01302	0.00073	0.00410	0.00219	0.00307
12865	1888.27	124.3	3.51	-0.22	0.0094	0.0192	34.86	1.667	7.380	3.1364	0.00336	0.04398	0.00198	0.00107	0.01402	0.00063	0.00415	0.00319	0.00297
12866	1887.12	124.6	3.50	-0.22	0.0087	0.0207	34.99	1.667	7.503	3.1350	0.00169	0.04498	0.00541	0.00054	0.01435	0.00173	0.00362	0.00352	0.00407
12867	1888.99	123.9	3.51	-0.23	0.0039	0.0264	35.11	1.666	7.644	3.1377	-0.00130	0.04370	0.00778	-0.00041	0.01393	0.00248	0.00267	0.00310	0.00482
12868	1888.56	124.2	3.51	-0.23	0.0056	0.0255	35.24	1.666	7.766	3.1378	-0.00022	0.04179	0.00590	-0.00007	0.01332	0.00188	0.00301	0.00249	0.00422
12869	1887.41	125.0	3.50	-0.24	0.0015	0.0307	35.36	1.666	7.902	3.1356	-0.00081	0.03853	0.00531	-0.00026	0.01229	0.00169	0.00282	0.00146	0.00403
12870	1887.70	124.6	3.50	-0.24	0.0053	0.0244	35.49	1.666	8.027	3.1368	0.00082	0.03977	0.00547	0.00026	0.01268	0.00174	0.00334	0.00185	0.00408
12871	1888.85	123.9	3.51	-0.23	0.0060	0.0238	35.61	1.666	8.141	3.1374	-0.00145	0.03936	0.00355	-0.00046	0.01255	0.00113	0.00262	0.00172	0.00347
12872	1887.55	124.6	3.50	-0.23	0.0053	0.0234	35.74	1.666	8.270	3.1363	-0.00512	0.03615	-0.00053	-0.00163	0.01153	-0.00017	0.00145	0.00070	0.00217
12873	1887.26	125.0	3.50	-0.24	0.0060	0.0275	35.86	1.666	8.395	3.1352	-0.00619	0.03417	0.00156	-0.00197	0.01090	0.00050	0.00111	0.00007	0.00284
12874	1889.14	123.7	3.51	-0.25	0.0005	0.0291	35.99	1.665	8.536	3.1396	-0.01015	0.03047	0.00091	-0.00323	0.00970	0.00029	-0.00015	-0.00113	0.00263
12875	1888.70	124.0	3.51	-0.24	0.0032	0.0269	36.11	1.666	8.650	3.1389	-0.01086	0.02973	0.00116	-0.00346	0.00947	0.00037	-0.00038	-0.00136	0.00271
12876	1887.12	124.5	3.50	-0.24	0.0036	0.0271	36.24	1.666	8.773	3.1363	-0.01158	0.02657	-0.00017	-0.00369	0.00847	-0.00006	-0.00061	-0.00236	0.00229
12877	1889.14	123.8	3.51	-0.25	0.0001	0.0317	36.36	1.665	8.909	3.1									

Table A19. Concluded.

Run = 196
M = 1.60
xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
12897	1889.14	124.0	3.51	-0.23	0.0094	0.0312	38.74	1.666	11.263	3.1390	-0.01660	0.02169	-0.02276	-0.00529	0.00691	-0.00725	-0.00221	-0.00392	-0.00491
12898	1888.13	124.4	3.51	-0.22	0.0108	0.0339	38.86	1.667	11.381	3.1378	-0.01699	0.02190	-0.02323	-0.00542	0.00698	-0.00740	-0.00234	-0.00385	-0.00506
12899	1887.41	125.0	3.50	-0.24	0.0042	0.0359	38.99	1.666	11.523	3.1349	-0.01878	0.02129	-0.01477	-0.00599	0.00679	-0.00471	-0.00291	-0.00404	-0.00237
12900	1886.69	124.8	3.50	-0.23	0.0063	0.0324	39.11	1.666	11.640	3.1351	-0.01854	0.01859	-0.02203	-0.00591	0.00593	-0.00703	-0.00283	-0.00490	-0.00469
12901	1888.99	123.7	3.51	-0.23	0.0118	0.0279	39.24	1.667	11.758	3.1374	-0.01697	0.01746	-0.02086	-0.00541	0.00556	-0.00665	-0.00233	-0.00527	-0.00431
12902	1888.13	124.3	3.51	-0.23	0.0101	0.0326	39.36	1.666	11.889	3.1373	-0.01564	0.01879	-0.02648	-0.00499	0.00599	-0.00844	-0.00191	-0.00484	-0.00610
12903	1887.12	124.8	3.50	-0.24	0.0053	0.0355	39.49	1.666	12.025	3.1355	-0.01618	0.02204	-0.02658	-0.00516	0.00703	-0.00848	-0.00208	-0.00380	-0.00614
12904	1889.57	123.9	3.51	-0.24	0.0059	0.0349	39.61	1.666	12.148	3.1392	-0.01558	0.02620	-0.02576	-0.00496	0.00835	-0.00821	-0.00188	-0.00248	-0.00587
12905	1888.56	124.2	3.51	-0.24	0.0073	0.0348	39.74	1.666	12.274	3.1381	-0.01702	0.02770	-0.02691	-0.00542	0.00883	-0.00857	-0.00234	-0.00200	-0.00623
12906	1887.26	124.9	3.50	-0.24	0.0077	0.0387	39.86	1.666	12.397	3.1348	-0.01422	0.02824	-0.02270	-0.00454	0.00901	-0.00724	-0.00146	-0.00182	-0.00490
12907	1888.27	123.8	3.51	-0.25	0.0059	0.0378	39.86	1.666	12.402	3.1385	-0.01611	0.02773	-0.02504	-0.00513	0.00883	-0.00798	-0.00205	-0.00199	-0.00564
12908	1887.12	124.5	3.50	-0.24	0.0046	0.0398	39.99	1.666	12.528	3.1355	-0.01360	0.02656	-0.01912	-0.00434	0.00847	-0.00610	-0.00126	-0.00236	-0.00376
12909	1889.28	123.8	3.51	-0.24	0.0080	0.0370	40.11	1.666	12.643	3.1394	-0.01388	0.02623	-0.02046	-0.00442	0.00836	-0.00652	-0.00134	-0.00247	-0.00418
12910	1888.56	123.7	3.51	-0.24	0.0046	0.0370	40.24	1.666	12.770	3.1386	-0.01276	0.02467	-0.01844	-0.00407	0.00786	-0.00588	-0.00099	-0.00297	-0.00354
12911	1887.26	124.3	3.51	-0.23	0.0059	0.0415	40.36	1.666	12.892	3.1356	-0.01195	0.02580	-0.01763	-0.00381	0.00823	-0.00562	-0.00073	-0.00260	-0.00328
12912	1887.98	124.0	3.51	-0.23	0.0053	0.0337	40.49	1.666	13.019	3.1374	-0.01288	0.02484	-0.01522	-0.00411	0.00792	-0.00485	-0.00103	-0.00291	-0.00251
12913	1888.27	123.6	3.51	-0.23	0.0066	0.0363	40.61	1.667	13.137	3.1366	-0.01370	0.02469	-0.01259	-0.00437	0.00787	-0.00401	-0.00129	-0.00296	-0.00167
12914	1887.84	124.1	3.51	-0.22	0.0111	0.0304	40.74	1.667	13.253	3.1366	-0.01577	0.02233	-0.01353	-0.00503	0.00712	-0.00431	-0.00195	-0.00371	-0.00197
12915	1886.83	124.2	3.50	-0.24	0.0053	0.0374	40.86	1.666	13.398	3.1357	-0.01621	0.02029	-0.01266	-0.00517	0.00647	-0.00404	-0.00120	-0.00436	-0.00170
12916	1888.56	123.5	3.51	-0.23	0.0104	0.0300	40.99	1.667	13.510	3.1380	-0.01886	0.02179	-0.01298	-0.00601	0.00694	-0.00414	-0.00293	-0.00389	-0.00180
12917	1887.98	123.9	3.51	-0.24	0.0063	0.0352	41.11	1.666	13.653	3.1370	-0.01888	0.02100	-0.01441	-0.00602	0.00669	-0.00459	-0.00294	-0.00413	-0.00225
12918	1887.26	124.3	3.51	-0.24	0.0115	0.0296	41.24	1.666	13.764	3.1352	-0.01858	0.02342	-0.01787	-0.00593	0.00747	-0.00570	-0.00285	-0.00336	-0.00336
12919	1888.85	123.5	3.51	-0.23	0.0073	0.0329	41.36	1.666	13.892	3.1386	-0.01612	0.02960	-0.01786	-0.00514	0.00943	-0.00569	-0.00206	-0.00140	-0.00335
12920	1888.13	123.9	3.51	-0.23	0.0084	0.0335	41.49	1.667	14.010	3.1370	-0.01341	0.03057	-0.01597	-0.00428	0.00974	-0.00509	-0.00120	-0.00108	-0.00275
12921	1888.85	123.6	3.51	-0.24	0.0053	0.0355	41.49	1.666	14.026	3.1372	-0.01269	0.03265	-0.01296	-0.00404	0.01041	-0.00413	-0.00096	-0.00042	-0.00179
12922	1887.70	124.3	3.51	-0.24	0.0066	0.0381	41.61	1.666	14.144	3.1360	-0.01056	0.03248	-0.01555	-0.00337	0.01036	-0.00496	-0.00029	-0.00047	-0.00262
12923	1886.83	124.5	3.50	-0.24	0.0084	0.0307	41.74	1.666	14.274	3.1347	-0.01071	0.02959	-0.01909	-0.00342	0.00944	-0.00609	-0.00034	-0.00139	-0.00375
12924	1888.99	123.7	3.51	-0.24	0.0049	0.0372	41.86	1.666	14.401	3.1378	-0.00958	0.02796	-0.01552	-0.00305	0.00891	-0.00495	-0.00003	-0.00192	-0.00261
12925	1888.13	124.2	3.51	-0.24	0.0066	0.0335	41.99	1.666	14.526	3.1385	-0.01484	0.02235	-0.01979	-0.00473	0.00712	-0.00631	-0.00165	-0.00371	-0.00397
12926	1887.26	124.5	3.50	-0.24	0.0077	0.0322	42.11	1.666	14.649	3.1361	-0.01638	0.02144	-0.02137	-0.00522	0.00684	-0.00681	-0.00214	-0.00399	-0.00447
12927	1887.55	124.4	3.50	-0.24	0.0070	0.0337	42.11	1.666	14.647	3.1374	-0.01660	0.01978	-0.01929	-0.00529	0.00631	-0.00615	-0.00221	-0.00452	-0.00381
12928	1887.12	124.4	3.50	-0.23	0.0108	0.0311	42.24	1.667	14.760	3.1352	-0.01801	0.02267	-0.01979	-0.00574	0.00723	-0.00631	-0.00266	-0.00360	-0.00397
12929	1888.70	123.8	3.51	-0.24	0.0073	0.0338	42.36	1.666	14.894	3.1387	-0.01793	0.02835	-0.02124	-0.00571	0.00903	-0.00677	-0.00263	-0.00180	-0.00443
12930	1888.13	124.1	3.51	-0.22	0.0066	0.0353	42.49	1.667	15.009	3.1373	-0.01390	0.03325	-0.02031	-0.00443	0.01060	-0.00647	-0.00135	-0.00203	-0.00413
12931	1886.83	124.4	3.50	-0.23	0.0084	0.0335	42.61	1.666	15.141	3.1350	-0.01103	0.03657	-0.01631	-0.00352	0.01167	-0.00520	-0.00044	0.00084	-0.00286
12932	1888.99	123.8	3.51	-0.24	0.0070	0.0318	42.74	1.666	15.275	3.1398	-0.00856	0.03493	-0.01443	-0.00273	0.01112	-0.00460	0.00035	0.00029	-0.00225
12933	1888.27	124.3	3.51	-0.23	0.0060	0.0359	42.86	1.666	15.389	3.1373	-0.00772	0.03672	-0.01001	-0.00246	0.01170	-0.00319	0.00062	0.00087	-0.00085
12934	1886.83	124.7	3.50	-0.24	0.0087	0.0318	42.99	1.666	15.516	3.1350	-0.00796	0.03390	-0.01118	-0.00254	0.01081	-0.00357	0.00054	-0.00002	-0.00123
12935	1888.85	124.0	3.51	-0.26	0.0011	0.0370	43.11	1.665	15.668	3.1385	-0.00713	0.03403	-0.01608	-0.00227	0.01084	-0.00512	0.00081	0.00001	-0.00278
12936	1888.70	123.7	3.51	-0.23	0.0104	0.0337	43.24	1.667	15.763	3.1387	-0.00957	0.03251	-0.01921	-0.00305	0.01036	-0.00612	0.00003	-0.00047	-0.00378
12937	1887.84	124.3	3.51	-0.24	0.0080	0.0314	43.36	1.666	15.893	3.1359	-0.00757	0.03250	-0.01754	-0.00242	0.01036	-0.00559	0.00067	-0.00047	-0.00325
12938	1886.83	124.3	3.50	-0.26	0.0049	0.0288	43.49	1.665	16.036	3.1346	-0.00885	0.03209	-0.01434	-0.00282	0.01024	-0.00458	0.00026	-0.00059	-0.00224
12939	1888.85	123.8	3.51	-0.25	0.0063	0.0333	43.61	1.665	16.157	3.1385	-0.01284	0.03035	-0.00861	-0.00409	0.00967	-0.00274	-0.00101	-0.00116	-0.00040
12940	1888.13	124.5	3.50	-0.26	0.0060	0.0322	43.74	1.665	16.286	3.1363	-0.01021	0.03236	-0.00546	-0.00325	0.01032	-0.00174	-0.00017	-0.00051	0.00060
12941	1887.26	125.0	3.50	-0.25	0.0066	0.0298	43.86	1.665	16.405	3.1365	-0.01205	0.03276	-0.00654	-0.00384	0.01045	-0.00209	-0.00076	-0.00038	0.00026
12942	1889.28	124.1	3.51	-0.25	0.0073	0.0320	43.99	1.666	16.525	3.1387	-0.01095	0.03091	-0.00539	-0.00349	0.00985	-0.00172	-0.00041	-0.00098	0.00062
12943	1888.27	124.1	3.51	-0.25	0.0063	0.0324	44.11	1.665	16.656	3.1380	-0.01275	0.03206	-0.00449	-0.00406	0.01022	-0.00143	-0.00098	-0.00061	0.00091
12944	1888.27	124.1	3.51	-0.26	0.0049	0.0363	44.11	1.665	16.664	3.1366	-0.01189	0.03224	-0.00236	-0.00379	0.01028	-0.00075	-0.00071	-0.00055	0.00159
12945	1889.14	123.4	3.52	-0.24	0.0090	0.0329	44.24	1.666	16.769	3.1391	-0.01154	0.03213	-0.00508	-0.00368	0.01023	-0.00162	-0.00060	-0.00059	0.00072
12946	1888.56	123.9	3.51	-0.25	0.0032	0.0362	44.36	1.665	16.908	3.1378	-0.01118	0.03175	-0.00405	-0.00356	0.01012	-0.00129	-0.00048	-0.00071	0.00105
12947	1888.42	123.7	3.51	-0.24	0.0053	0.0337	44.36	1.666	16.898	3.1380	-0.01263	0.03127	-0.00506	-0.00403	0.00996	-0.00161	-0.00095	-0.00087	0.00073
12948	1887.70	124.4	3.50	-0.23	0.0073	0.0311	44.49	1.666	17.014	3.1360	-0.01081	0.03218	-0.00679	-0.00345	0.01026	-0.00216	-0.00037	-0.00057	0.00018
12949	1886.40	124.5	3.50	-0.24	0.0046	0.0333	44.61	1.666	17.146	3.1336	-0.00998	0.03337	-0.00591	-0.00318	0.01065	-0.00189	-0.00010	-0.00018	0.00045
12950	1889.14	123.7	3.51	-0.24	0														

Table A20. Run 197.

Run = 197
M = 1.60
xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
12969	1887.70	124.0	3.51	0.27	0.0365	0.0117	21.36	1.692	-6.533	3.1369	-0.00941	0.03028	-0.01044	-0.00300	0.00965	-0.00333	0.00028	-0.00004	-0.00060
12970	1888.42	123.6	3.51	0.27	0.0310	0.0189	21.49	1.692	-6.399	3.1372	-0.00921	0.03010	-0.00751	-0.00294	0.00960	-0.00239	0.00035	-0.00010	0.00033
12971	1887.98	124.2	3.51	0.27	0.0351	0.0109	21.61	1.692	-6.279	3.1373	-0.01123	0.03052	-0.01062	-0.00358	0.00973	-0.00338	-0.00030	0.00003	-0.00066
12972	1886.83	124.2	3.50	0.27	0.0338	0.0055	21.74	1.692	-6.157	3.1340	-0.01056	0.03061	-0.00522	-0.00337	0.00977	-0.00167	-0.00009	0.00007	0.00106
12973	1888.42	123.4	3.51	0.28	0.0365	0.0014	21.86	1.692	-6.037	3.1374	-0.01106	0.03057	-0.00893	-0.00352	0.00974	-0.00285	-0.00024	0.00005	-0.00012
12974	1888.27	123.9	3.51	0.27	0.0348	0.0042	21.99	1.692	-5.911	3.1372	-0.01022	0.02716	-0.00704	-0.00326	0.00866	-0.00224	0.00002	-0.00104	0.00048
12975	1887.26	124.2	3.51	0.27	0.0355	0.0018	22.11	1.692	-5.785	3.1350	-0.01018	0.02737	-0.00548	-0.00325	0.00873	-0.00175	0.00004	-0.00097	0.00098
12976	1889.28	123.5	3.51	0.27	0.0372	0.0018	22.24	1.692	-5.660	3.1389	-0.01052	0.02802	-0.00897	-0.00335	0.00893	-0.00286	-0.00007	-0.00077	-0.00014
12977	1888.27	123.6	3.51	0.27	0.0375	0.0011	22.36	1.692	-5.534	3.1358	-0.00941	0.02973	-0.00925	-0.00300	0.00948	-0.00295	0.00028	-0.00021	-0.00023
12978	1887.70	124.1	3.51	0.27	0.0348	0.0070	22.49	1.692	-5.406	3.1358	-0.01032	0.02771	-0.00585	-0.00329	0.00884	-0.00186	-0.00001	-0.00086	0.00086
12979	1886.83	123.9	3.51	0.27	0.0317	0.0035	22.61	1.692	-5.279	3.1362	-0.01207	0.02685	-0.00761	-0.00385	0.00856	-0.00243	-0.00057	-0.00114	0.00030
12980	1888.56	123.4	3.51	0.27	0.0334	0.0035	22.74	1.692	-5.158	3.1378	-0.01159	0.02711	-0.00696	-0.00369	0.00864	-0.00222	-0.00041	-0.00106	0.00051
12981	1888.27	123.9	3.51	0.28	0.0382	0.0005	22.87	1.693	-5.041	3.1371	-0.01034	0.02808	-0.00898	-0.00330	0.00895	-0.00286	-0.00001	-0.00075	-0.00014
12982	1887.26	124.4	3.50	0.27	0.0362	0.0022	22.99	1.692	-4.909	3.1346	-0.00960	0.02928	-0.00701	-0.00306	0.00934	-0.00223	0.00022	-0.00036	0.00049
12983	1888.70	123.6	3.51	0.27	0.0320	0.0074	23.11	1.692	-4.777	3.1390	-0.01110	0.02701	-0.00851	-0.00354	0.00860	-0.00271	-0.00025	-0.00109	0.00001
12984	1888.13	123.9	3.51	0.28	0.0358	0.0048	23.24	1.692	-4.664	3.1362	-0.00996	0.02937	-0.00656	-0.00318	0.00937	-0.00209	0.00011	-0.00033	0.00063
12985	1887.98	124.4	3.51	0.28	0.0372	0.0046	23.36	1.693	-4.541	3.1368	-0.01124	0.02737	-0.00762	-0.00358	0.00873	-0.00243	-0.00030	-0.00097	0.00029
12986	1887.84	124.2	3.51	0.28	0.0369	0.0054	23.49	1.693	-4.417	3.1368	-0.01160	0.02803	-0.00492	-0.00370	0.00894	-0.00157	-0.00042	-0.00076	0.00115
12987	1888.42	123.9	3.51	0.28	0.0338	0.0092	23.61	1.692	-4.288	3.1381	-0.01080	0.02766	-0.00831	-0.00344	0.00881	-0.00265	-0.00016	-0.00088	0.00008
12988	1887.98	124.4	3.50	0.28	0.0351	0.0156	23.74	1.693	-4.167	3.1367	-0.00966	0.02829	-0.00685	-0.00308	0.00902	-0.00218	0.00020	-0.00068	0.00054
12989	1886.83	124.8	3.50	0.29	0.0376	0.0123	23.86	1.693	-4.045	3.1346	-0.01000	0.02842	-0.00800	-0.00319	0.00907	-0.00255	0.00009	-0.00063	0.00017
12990	1888.70	123.8	3.51	0.28	0.0327	0.0161	23.99	1.692	-3.915	3.1371	-0.00954	0.02744	-0.00584	-0.00304	0.00875	-0.00186	0.00024	-0.00095	0.00086
12991	1887.98	123.9	3.51	0.29	0.0334	0.0109	24.11	1.693	-3.795	3.1374	-0.00888	0.02703	-0.00730	-0.00283	0.00861	-0.00233	0.00045	-0.00108	0.00040
12992	1887.41	124.3	3.51	0.28	0.0307	0.0094	24.24	1.692	-3.661	3.1351	-0.00897	0.02762	-0.00704	-0.00286	0.00881	-0.00224	0.00042	-0.00089	0.00048
12993	1887.84	124.3	3.51	0.30	0.0338	0.0083	24.24	1.693	-3.681	3.1364	-0.00954	0.02833	-0.00683	-0.00304	0.00903	-0.00218	0.00024	-0.00066	0.00054
12994	1886.98	124.7	3.50	0.29	0.0307	0.0104	24.36	1.693	-3.545	3.1347	-0.01044	0.02889	-0.00738	-0.00333	0.00922	-0.00235	-0.00005	-0.00048	0.00037
12995	1888.99	123.8	3.51	0.29	0.0341	0.0057	24.49	1.693	-3.421	3.1381	-0.00907	0.02965	-0.00915	-0.00289	0.00945	-0.00291	0.00039	-0.00025	-0.00019
12996	1888.42	124.1	3.51	0.30	0.0358	0.0057	24.61	1.693	-3.305	3.1377	-0.00985	0.02937	-0.00861	-0.00314	0.00936	-0.00275	0.00014	-0.00034	-0.00002
12997	1887.98	124.2	3.51	0.30	0.0341	0.0038	24.61	1.693	-3.300	3.1360	-0.01001	0.03087	-0.00702	-0.00319	0.00984	-0.00224	0.00009	0.00015	0.00048
12998	1886.83	124.5	3.50	0.30	0.0352	0.0091	24.74	1.693	-3.181	3.1340	-0.00940	0.03317	-0.00808	-0.00300	0.01058	-0.00258	0.00028	0.00089	0.00015
12999	1888.70	123.6	3.51	0.30	0.0344	0.0087	24.86	1.693	-3.057	3.1382	-0.00936	0.03139	-0.00673	-0.00298	0.01000	-0.00214	0.00030	0.00031	0.00058
13000	1888.42	123.8	3.51	0.30	0.0338	0.0074	24.99	1.694	-2.933	3.1365	-0.00679	0.03132	-0.00497	-0.00216	0.00998	-0.00158	0.00112	0.00029	0.00114
13001	1887.41	124.2	3.51	0.31	0.0345	0.0078	25.11	1.694	-2.813	3.1353	-0.00637	0.02815	-0.00708	-0.00203	0.00898	-0.00226	0.00125	-0.00072	0.00046
13002	1888.70	123.8	3.51	0.32	0.0348	0.0070	25.24	1.694	-2.695	3.1393	-0.00907	0.02620	-0.01010	-0.00289	0.00835	-0.00322	0.00039	-0.00135	-0.00049
13003	1887.26	124.2	3.51	0.31	0.0355	0.0074	25.24	1.694	-2.686	3.1349	-0.00790	0.02774	-0.00768	-0.00252	0.00885	-0.00245	0.00076	-0.00085	0.00027
13004	1888.85	123.6	3.51	0.30	0.0331	0.0079	25.36	1.693	-2.556	3.1383	-0.01166	0.02721	-0.00664	-0.00371	0.00867	-0.00212	-0.00043	-0.00103	0.00061
13005	1888.27	123.7	3.51	0.31	0.0355	0.0083	25.49	1.694	-2.440	3.1378	-0.01259	0.02846	-0.00627	-0.00401	0.00907	-0.00200	-0.00073	-0.00063	0.00072
13006	1887.55	124.4	3.50	0.30	0.0345	0.0096	25.61	1.694	-2.309	3.1354	-0.01132	0.03122	-0.00814	-0.00361	0.00996	-0.00260	-0.00033	0.00026	0.00013
13007	1887.98	124.1	3.51	0.30	0.0317	0.0118	25.74	1.693	-2.180	3.1372	-0.00929	0.03444	-0.00638	-0.00296	0.01098	-0.00203	0.00032	0.00128	0.00069
13008	1888.42	123.6	3.51	0.29	0.0314	0.0117	25.86	1.693	-2.048	3.1373	-0.00832	0.03572	-0.00321	-0.00265	0.01139	-0.00102	0.00063	0.00169	0.00070
13009	1887.98	124.0	3.51	0.30	0.0303	0.0167	25.99	1.693	-1.924	3.1365	-0.00517	0.03613	-0.00403	-0.00165	0.01152	-0.00128	0.00163	0.00182	0.00144
13010	1887.12	124.3	3.50	0.29	0.0300	0.0137	26.11	1.693	-1.793	3.1345	-0.00417	0.03216	-0.00411	-0.00133	0.01026	-0.00131	0.00195	0.00056	0.00141
13011	1888.99	123.9	3.51	0.28	0.0317	0.0100	26.24	1.692	-1.662	3.1388	-0.00486	0.02864	-0.00357	-0.00155	0.00913	-0.00114	0.00173	-0.00057	0.00159
13012	1888.42	123.9	3.51	0.30	0.0303	0.0083	26.36	1.693	-1.550	3.1377	-0.00642	0.02547	-0.00866	-0.00204	0.00812	-0.00276	0.00124	-0.00158	-0.00004
13013	1887.55	124.3	3.51	0.31	0.0307	0.0122	26.49	1.693	-1.432	3.1355	-0.01052	0.02382	-0.00601	-0.00336	0.00760	-0.00192	-0.00007	-0.00210	0.00081
13014	1886.69	124.6	3.50	0.28	0.0300	0.0146	26.61	1.692	-1.288	3.1348	-0.01283	0.02571	-0.00830	-0.00409	0.00820	-0.00265	-0.00081	-0.00149	0.00008
13015	1888.99	123.8	3.51	0.29	0.0317	0.0072	26.74	1.693	-1.172	3.1385	-0.01413	0.03089	-0.00649	-0.00450	0.00984	-0.00207	-0.00122	0.00014	0.00066
13016	1888.27	123.9	3.51	0.30	0.0324	0.0085	26.87	1.693	-1.049	3.1363	-0.01298	0.03644	-0.00212	-0.00414	0.01162	-0.00068	-0.00086	0.00192	0.00205
13017	1887.70	124.4	3.50	0.29	0.0314	0.0117	26.99	1.693	-0.919	3.1361	-0.00535	0.03960	-0.00174	-0.00171	0.01263	-0.00056	0.00158	0.00293	0.00217
13018	1886.98	124.4	3.50	0.30	0.0321	0.0083	27.11	1.693	-0.800	3.1362	-0.00373	0.03696	-0.00028	-0.00119	0.01179	-0.00009	0.00209	0.00209	0.00263
13019	1888.56	123.8	3.51	0.29	0.0307	0.0103	27.24	1.693	-0.670	3.1384	-0.00229	0.03470	-0.00193	-0.00073	0.01106	-0.00062	0.00255	0.00136	0.00211
13020	1888.27	124.4	3.51	0.29	0.0310	0.0105	27.36	1.693	-0.548	3.1378	-0.00200	0.03298	-0.00024	-0.00064	0.01051	0.00008	0.00265	0.00082	0.00280
13021	1887.12	124.8	3.50	0.29	0.0307	0.0113	27.49	1.693	-0.419	3.1361	-0.00447	0.02871	-0.00485	-0.00143	0.00915	-0.00155	0.00186	-0.00054	0.00118
13022	1889.14	124.0	3.51	0.30	0.0324	0.0076	27.61	1.693	-0.307										

Table A20. Continued.

Run = 197
M = 1.60
xsppos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13042	1886.98	124.1	3.51	0.29	0.0376	-0.0008	30.11	1.693	2.198	3.1354	-0.00295	0.03907	-0.00268	-0.00094	0.01246	-0.00086	0.00234	0.00276	0.00187
13043	1888.56	123.5	3.51	0.31	0.0413	-0.0015	30.24	1.694	2.304	3.1387	-0.00299	0.03749	-0.00220	-0.00095	0.01194	-0.00070	0.00233	0.00225	0.00202
13044	1887.84	123.9	3.51	0.30	0.0382	0.0024	30.36	1.694	2.442	3.1374	-0.00381	0.03919	0.00189	-0.00122	0.01249	0.00060	0.00207	0.00279	0.00332
13045	1886.83	124.3	3.50	0.29	0.0314	0.0061	30.49	1.693	2.577	3.1347	-0.00221	0.03875	0.00820	-0.00070	0.01236	0.00262	0.00258	0.00266	0.00534
13046	1888.85	123.7	3.51	0.31	0.0396	0.0041	30.69	1.694	2.762	3.1387	-0.00256	0.03792	0.00522	-0.00081	0.01208	0.00166	0.00247	0.00238	0.00439
13047	1888.13	123.7	3.51	0.31	0.0379	0.0003	30.74	1.694	2.810	3.1370	-0.00297	0.03910	0.00572	-0.00095	0.01246	0.00182	0.00234	0.00277	0.00455
13048	1887.70	124.3	3.51	0.30	0.0365	0.0070	30.86	1.694	2.941	3.1361	-0.00056	0.03813	0.00381	-0.00018	0.01216	0.00121	0.00310	0.00246	0.00394
13049	1887.12	124.3	3.50	0.31	0.0379	0.0022	30.99	1.694	3.059	3.1358	-0.00326	0.03757	0.00250	-0.00104	0.01198	0.00080	0.00224	0.00229	0.00352
13050	1888.70	123.6	3.51	0.30	0.0362	0.0059	31.11	1.693	3.193	3.1382	-0.00180	0.04060	0.00274	-0.00058	0.01294	0.00087	0.00271	0.00324	0.00360
13051	1888.27	123.9	3.51	0.31	0.0382	0.0052	31.24	1.694	3.309	3.1367	-0.00283	0.04256	0.00316	-0.00090	0.01357	0.00101	0.00238	0.00387	0.00373
13052	1887.41	124.3	3.51	0.31	0.0400	0.0052	31.36	1.694	3.429	3.1354	-0.00108	0.04554	0.00356	-0.00034	0.01453	0.00113	0.00294	0.00483	0.00386
13053	1887.84	124.1	3.51	0.29	0.0369	0.0072	31.49	1.693	3.577	3.1372	0.00168	0.04846	0.00253	0.00054	0.01545	0.00081	0.00382	0.00575	0.00353
13054	1888.56	123.9	3.51	0.30	0.0338	0.0102	31.62	1.693	3.701	3.1389	0.00290	0.04715	0.00119	0.00092	0.01502	0.00038	0.00421	0.00532	0.00310
13055	1888.13	124.3	3.51	0.30	0.0382	0.0070	31.74	1.693	3.820	3.1363	0.00658	0.04690	0.00544	0.00210	0.01495	0.00174	0.00538	0.00526	0.00446
13056	1887.41	124.6	3.50	0.30	0.0358	0.0085	31.86	1.694	3.941	3.1358	0.00800	0.04163	0.00315	0.00255	0.01327	0.00100	0.00583	0.00358	0.00473
13057	1888.99	124.1	3.51	0.29	0.0368	0.0044	31.99	1.693	4.075	3.1387	0.00316	0.03633	0.00406	0.00101	0.01158	0.00129	0.00429	0.00188	0.00302
13058	1888.56	124.2	3.51	0.31	0.0344	0.0096	32.11	1.694	4.189	3.1368	0.00033	0.03585	0.00365	0.00011	0.01143	0.00116	0.00339	0.00173	0.00389
13059	1887.41	124.8	3.50	0.30	0.0379	0.0050	32.24	1.693	4.321	3.1362	-0.00501	0.03417	0.00633	-0.00160	0.01090	0.00202	0.00168	0.00120	0.00474
13060	1886.54	125.0	3.50	0.30	0.0365	0.0089	32.36	1.694	4.440	3.1349	-0.00732	0.03763	0.00443	-0.00233	0.01200	0.00141	0.00095	0.00231	0.00413
13061	1888.85	124.1	3.51	0.30	0.0392	0.0057	32.49	1.694	4.566	3.1390	-0.00579	0.04152	0.00556	-0.00185	0.01323	0.00177	0.00144	0.00353	0.00450
13062	1888.27	124.4	3.51	0.30	0.0406	0.0018	32.61	1.694	4.688	3.1367	-0.00080	0.04543	0.00860	-0.00025	0.01448	0.00274	0.00303	0.00479	0.00546
13063	1887.70	125.2	3.50	0.31	0.0400	0.0052	32.74	1.694	4.804	3.1350	0.00143	0.04474	0.01379	0.00046	0.01427	0.00440	0.00374	0.00457	0.00712
13064	1886.54	124.9	3.50	0.30	0.0417	0.0005	32.86	1.694	4.935	3.1345	0.00331	0.04343	0.01050	0.00105	0.01385	0.00335	0.00434	0.00416	0.00607
13065	1888.99	123.6	3.51	0.30	0.0382	0.0024	32.99	1.694	5.064	3.1374	0.00421	0.04266	0.01091	0.00134	0.01360	0.00348	0.00462	0.00390	0.00620
13066	1887.84	124.0	3.51	0.32	0.0382	0.0052	33.11	1.694	5.178	3.1365	0.00227	0.04103	0.00481	0.00072	0.01308	0.00153	0.00401	0.00338	0.00426
13067	1887.12	124.4	3.50	0.30	0.0379	0.0031	33.24	1.694	5.315	3.1346	0.00203	0.04331	0.00240	0.00065	0.01382	0.00077	0.00393	0.00412	0.00349
13068	1887.55	124.1	3.51	0.32	0.0386	0.0072	33.36	1.694	5.425	3.1377	0.00089	0.04213	-0.00013	0.00028	0.01343	-0.00004	0.00356	0.00373	0.00268
13069	1888.42	123.4	3.51	0.32	0.0386	0.0035	33.49	1.694	5.554	3.1376	0.00167	0.04444	-0.00048	0.00053	0.01416	-0.00015	0.00381	0.00447	0.00257
13070	1887.84	124.1	3.51	0.31	0.0358	0.0067	33.61	1.694	5.687	3.1350	0.00298	0.04765	0.00692	0.00095	0.01520	0.00221	0.00423	0.00550	0.00493
13071	1886.83	124.3	3.50	0.30	0.0379	0.0031	33.74	1.693	5.820	3.1348	0.00372	0.04733	0.00652	0.00119	0.01510	0.00208	0.00447	0.00540	0.00480
13072	1888.99	123.4	3.52	0.30	0.0382	0.0005	33.86	1.694	5.941	3.1391	0.00555	0.04827	0.00591	0.00177	0.01538	0.00188	0.00505	0.00568	0.00461
13073	1888.42	123.7	3.51	0.30	0.0362	0.0050	33.99	1.694	6.067	3.1375	0.00606	0.04709	0.01088	0.00193	0.01501	0.00347	0.00521	0.00531	0.00619
13074	1887.12	124.1	3.51	0.30	0.0352	0.0053	34.11	1.693	6.198	3.1352	0.00700	0.04702	0.01005	0.00223	0.01500	0.00321	0.00551	0.00530	0.00593
13075	1888.85	123.6	3.51	0.30	0.0348	0.0070	34.24	1.693	6.321	3.1384	0.00621	0.04708	0.00797	0.00198	0.01500	0.00254	0.00526	0.00531	0.00526
13076	1888.13	124.0	3.51	0.28	0.0341	0.0094	34.36	1.692	6.461	3.1373	0.00645	0.04844	0.00814	0.00206	0.01544	0.00260	0.00534	0.00574	0.00532
13077	1887.41	124.4	3.50	0.29	0.0369	0.0063	34.49	1.693	6.576	3.1349	0.00654	0.05297	0.01274	0.00209	0.01690	0.00406	0.00537	0.00720	0.00679
13078	1888.42	124.0	3.51	0.29	0.0327	0.0059	34.61	1.693	6.708	3.1376	0.00688	0.05181	0.01064	0.00219	0.01651	0.00339	0.00547	0.00682	0.00611
13079	1888.70	123.6	3.51	0.31	0.0351	0.0053	34.74	1.694	6.810	3.1381	0.01055	0.04929	0.00943	0.00336	0.01571	0.00301	0.00664	0.00601	0.00573
13080	1887.98	124.2	3.51	0.30	0.0331	0.0079	34.86	1.693	6.945	3.1371	0.01163	0.04725	0.00938	0.00371	0.01506	0.00299	0.00699	0.00536	0.00571
13081	1887.12	124.4	3.50	0.29	0.0324	0.0057	34.99	1.693	7.076	3.1356	0.01061	0.04704	0.00727	0.00338	0.01500	0.00232	0.00666	0.00530	0.00504
13082	1888.56	123.6	3.51	0.32	0.0358	0.0039	35.11	1.694	7.179	3.1373	0.01043	0.05066	0.01055	0.00332	0.01615	0.00336	0.00661	0.00645	0.00608
13083	1888.42	123.7	3.51	0.30	0.0327	0.0105	35.24	1.693	7.321	3.1373	0.00738	0.04883	0.01397	0.00235	0.01557	0.00445	0.00564	0.00587	0.00717
13084	1887.26	124.4	3.50	0.30	0.0290	0.0103	35.36	1.693	7.451	3.1347	0.00665	0.04703	0.01789	0.00212	0.01500	0.00571	0.00540	0.00531	0.00843
13085	1888.70	124.0	3.51	0.31	0.0348	0.0070	35.49	1.694	7.566	3.1377	0.00796	0.04625	0.01472	0.00254	0.01474	0.00469	0.00582	0.00504	0.00741
13086	1888.56	123.8	3.51	0.31	0.0358	0.0104	35.61	1.694	7.687	3.1381	0.00777	0.04541	0.01489	0.00248	0.01447	0.00474	0.00576	0.00477	0.00747
13087	1887.98	124.3	3.51	0.29	0.0310	0.0143	35.74	1.693	7.829	3.1369	0.00622	0.04154	0.01048	0.00198	0.01324	0.00334	0.00526	0.00354	0.00606
13088	1886.98	124.4	3.50	0.30	0.0321	0.0092	35.86	1.693	7.945	3.1349	0.00330	0.04043	0.01128	0.00105	0.01290	0.00360	0.00433	0.00320	0.00632
13089	1888.85	123.8	3.51	0.30	0.0313	0.0135	35.99	1.693	8.074	3.1385	0.00108	0.03870	0.01213	0.00034	0.01233	0.00387	0.00363	0.00263	0.00659
13090	1887.98	124.2	3.51	0.30	0.0338	0.0120	36.11	1.693	8.197	3.1364	-0.00097	0.03944	0.01578	-0.00031	0.01257	0.00503	0.00297	0.00288	0.00776
13091	1887.26	124.6	3.50	0.29	0.0303	0.0148	36.24	1.693	8.329	3.1358	-0.00362	0.03398	0.01112	-0.00115	0.01084	0.00355	0.00213	0.00114	0.00627
13092	1886.83	124.5	3.50	0.29	0.0290	0.0178	36.36	1.693	8.457	3.1346	-0.00332	0.03135	0.01214	-0.00106	0.01000	0.00387	0.00222	0.00030	0.00660
13093	1888.70	123.9	3.51	0.29	0.0286	0.0204	36.49	1.693	8.584	3.1375	-0.00546	0.02887	0.01490	-0.00174	0.00920	0.00475	0.00154	-0.00050	0.00747
13094	1887.98	124.6	3.50	0.29	0.0338	0.0176	36.61	1.693	8.701	3.1375	-0.00870	0.02340	0.01178	-0.00277	0.00746	0.00375	0.00051	-0.00224	0.00648
13095	1886.98	124.8	3.50	0.27	0.0331	0.0173	36.74	1.692	8.840	3.1339									

Table A20. Concluded.

Run = 197

M = 1.60

xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13115	1887.98	124.6	3.50	0.29	0.0355	0.0214	39.24	1.693	11.326	3.1346	-0.01817	0.01708	-0.01635	-0.00580	0.00545	-0.00522	-0.00252	-0.00425	-0.00249
13116	1886.54	124.5	3.50	0.29	0.0351	0.0231	39.36	1.693	11.450	3.1353	-0.02074	0.01197	-0.02282	-0.00661	0.00382	-0.00728	-0.00333	-0.00588	-0.00456
13117	1888.85	123.6	3.51	0.31	0.0351	0.0203	39.49	1.694	11.563	3.1376	-0.01916	0.01222	-0.02255	-0.00611	0.00389	-0.00719	-0.00283	-0.00580	-0.00446
13118	1888.42	124.0	3.51	0.29	0.0310	0.0264	39.61	1.692	11.712	3.1373	-0.01795	0.01214	-0.02664	-0.00572	0.00387	-0.00849	-0.00244	-0.00583	-0.00577
13119	1887.41	124.3	3.50	0.29	0.0338	0.0260	39.74	1.693	11.824	3.1361	-0.01854	0.01435	-0.02595	-0.00591	0.00457	-0.00827	-0.00263	-0.00512	-0.00555
13120	1889.28	123.8	3.51	0.30	0.0396	0.0171	39.86	1.694	11.942	3.1397	-0.02039	0.01431	-0.02764	-0.00649	0.00456	-0.00880	-0.00321	-0.00514	-0.00608
13121	1888.27	123.8	3.51	0.29	0.0331	0.0238	39.99	1.693	12.082	3.1367	-0.01815	0.02158	-0.02250	-0.00579	0.00688	-0.00717	-0.00250	-0.00282	-0.00445
13122	1887.84	124.3	3.51	0.30	0.0365	0.0229	40.11	1.694	12.191	3.1354	-0.01836	0.02228	-0.02548	-0.00586	0.00711	-0.00813	-0.00257	-0.00259	-0.00540
13123	1886.40	124.4	3.50	0.30	0.0406	0.0205	40.24	1.694	12.312	3.1335	-0.01708	0.02383	-0.02315	-0.00545	0.00761	-0.00739	-0.00217	-0.00209	-0.00466
13124	1888.85	123.6	3.51	0.30	0.0389	0.0186	40.36	1.694	12.441	3.1378	-0.01592	0.02335	-0.01862	-0.00507	0.00744	-0.00593	-0.00179	-0.00226	-0.00321
13125	1888.27	124.3	3.51	0.29	0.0327	0.0236	40.49	1.693	12.583	3.1362	-0.01351	0.02435	-0.01474	-0.00431	0.00776	-0.00470	-0.00102	-0.00193	-0.00198
13126	1887.12	124.8	3.50	0.29	0.0375	0.0207	40.61	1.693	12.702	3.1351	-0.01538	0.02185	-0.01559	-0.00491	0.00697	-0.00497	-0.00162	-0.00273	-0.00225
13127	1888.70	124.0	3.51	0.28	0.0375	0.0169	40.74	1.693	12.834	3.1376	-0.01431	0.02138	-0.01690	-0.00456	0.00681	-0.00539	-0.00128	-0.00288	-0.00266
13128	1888.56	123.9	3.51	0.29	0.0358	0.0178	40.86	1.693	12.953	3.1374	-0.01642	0.02140	-0.01476	-0.00523	0.00682	-0.00471	-0.00195	-0.00288	-0.00198
13129	1887.98	124.5	3.50	0.29	0.0362	0.0199	40.99	1.693	13.073	3.1360	-0.01551	0.01916	-0.01444	-0.00495	0.00611	-0.00460	-0.00167	-0.00359	-0.00188
13130	1886.54	124.4	3.50	0.29	0.0362	0.0227	41.11	1.693	13.202	3.1344	-0.01902	0.01840	-0.01690	-0.00607	0.00587	-0.00539	-0.00279	-0.00383	-0.00267
13131	1889.14	123.5	3.51	0.30	0.0351	0.0240	41.24	1.693	13.318	3.1385	-0.01855	0.01684	-0.01699	-0.00591	0.00536	-0.00541	-0.00263	-0.00433	-0.00269
13132	1888.42	124.0	3.51	0.30	0.0355	0.0223	41.36	1.694	13.440	3.1391	-0.02081	0.01599	-0.02073	-0.00663	0.00509	-0.00661	-0.00335	-0.00460	-0.00388
13133	1887.41	124.7	3.50	0.28	0.0348	0.0219	41.49	1.693	13.583	3.1362	-0.01943	0.01985	-0.01950	-0.00620	0.00636	-0.00622	-0.00291	-0.00334	-0.00349
13134	1888.85	124.0	3.51	0.30	0.0365	0.0182	41.62	1.693	13.696	3.1392	-0.01736	0.02467	-0.01997	-0.00553	0.00786	-0.00636	-0.00225	-0.00184	-0.00364
13135	1888.70	123.6	3.51	0.29	0.0348	0.0210	41.74	1.693	13.829	3.1378	-0.01269	0.02802	-0.01863	-0.00404	0.00893	-0.00594	-0.00076	-0.00077	-0.00321
13136	1887.84	124.3	3.51	0.29	0.0344	0.0227	41.86	1.693	13.954	3.1376	-0.01134	0.02154	-0.01782	-0.00362	0.00814	-0.00568	-0.00033	-0.00156	-0.00296
13137	1887.12	124.1	3.51	0.30	0.0372	0.0149	41.99	1.693	14.071	3.1358	-0.01134	0.02587	-0.01980	-0.00362	0.00825	-0.00631	-0.00033	-0.00145	-0.00359
13138	1888.27	123.3	3.51	0.29	0.0365	0.0145	42.11	1.693	14.202	3.1387	-0.01394	0.02054	-0.02263	-0.00444	0.00655	-0.00721	-0.00116	-0.00315	-0.00449
13139	1888.27	123.9	3.51	0.27	0.0365	0.0117	42.24	1.692	14.337	3.1388	-0.01773	0.01938	-0.02323	-0.00565	0.00617	-0.00740	-0.00237	-0.00352	-0.00468
13140	1886.98	124.4	3.50	0.28	0.0348	0.0164	42.36	1.693	14.458	3.1363	-0.01750	0.01712	-0.02407	-0.00558	0.00546	-0.00767	-0.00230	-0.00424	-0.00495
13141	1888.99	123.7	3.51	0.31	0.0392	0.0095	42.49	1.694	14.563	3.1387	-0.01852	0.02074	-0.02192	-0.00590	0.00661	-0.00698	-0.00262	-0.00309	-0.00426
13142	1888.13	123.8	3.51	0.28	0.0358	0.0150	42.61	1.693	14.706	3.1383	-0.01881	0.02632	-0.02087	-0.00600	0.00839	-0.00665	-0.00271	-0.00131	-0.00393
13143	1887.55	124.5	3.50	0.29	0.0345	0.0143	42.74	1.693	14.828	3.1359	-0.01281	0.03116	-0.01429	-0.00409	0.00994	-0.00456	-0.00080	0.00024	-0.00183
13144	1888.70	124.0	3.51	0.30	0.0355	0.0074	42.86	1.693	14.943	3.1396	-0.01103	0.03086	-0.01354	-0.00351	0.00983	-0.00431	-0.00023	0.00013	-0.00159
13145	1888.42	123.6	3.51	0.29	0.0344	0.0106	42.99	1.693	15.076	3.1383	-0.00951	0.03314	-0.00939	-0.00303	0.01056	-0.00299	0.00025	0.00086	-0.00027
13146	1887.84	124.2	3.51	0.29	0.0348	0.0107	43.11	1.693	15.199	3.1368	-0.01088	0.03185	-0.01191	-0.00347	0.01015	-0.00380	-0.00019	0.00046	-0.00107
13147	1887.41	124.4	3.50	0.29	0.0355	0.0111	43.24	1.693	15.327	3.1359	-0.00816	0.03060	-0.01612	-0.00260	0.00976	-0.00514	0.00068	0.00006	-0.00242
13148	1888.85	123.8	3.51	0.30	0.0362	0.0087	43.36	1.693	15.446	3.1384	-0.00943	0.03024	-0.01617	-0.00300	0.00964	-0.00515	0.00028	-0.00006	-0.00243
13149	1888.27	124.2	3.51	0.29	0.0382	0.0052	43.49	1.693	15.575	3.1373	-0.00893	0.03062	-0.01378	-0.00285	0.00976	-0.00439	0.00044	0.00006	-0.00167
13150	1887.12	124.6	3.50	0.29	0.0321	0.0111	43.61	1.693	15.703	3.1354	-0.01117	0.02845	-0.01577	-0.00356	0.00907	-0.00503	-0.00028	-0.00062	-0.00231
13151	1888.42	124.0	3.51	0.29	0.0348	0.0126	43.74	1.693	15.825	3.1387	-0.01080	0.02853	-0.01181	-0.00344	0.00909	-0.00376	-0.00016	-0.00061	-0.00104
13152	1888.42	123.8	3.51	0.30	0.0338	0.0092	43.86	1.693	15.944	3.1376	-0.01184	0.02807	-0.00503	-0.00377	0.00894	-0.00160	-0.00049	-0.00075	0.00112
13153	1887.84	124.2	3.51	0.31	0.0358	0.0094	43.99	1.694	16.062	3.1356	-0.00982	0.03076	-0.00837	-0.00313	0.00981	-0.00267	0.00015	0.00011	0.00005
13154	1886.83	124.3	3.50	0.29	0.0358	0.0104	44.11	1.693	16.197	3.1367	-0.01287	0.02665	-0.00445	-0.00410	0.00850	-0.00142	-0.00082	-0.00120	0.00131
13155	1888.56	123.7	3.51	0.29	0.0351	0.0100	44.24	1.693	16.324	3.1386	-0.01265	0.02844	-0.00222	-0.00403	0.00906	-0.00071	-0.00075	-0.00063	0.00202
13156	1888.13	124.3	3.51	0.30	0.0358	0.0113	44.36	1.693	16.443	3.1359	-0.01104	0.02964	-0.00180	-0.00352	0.00945	-0.00057	-0.00024	-0.00024	0.00215
13157	1886.98	124.7	3.50	0.29	0.0314	0.0154	44.49	1.693	16.582	3.1343	-0.01167	0.02941	-0.00289	-0.00372	0.00938	-0.00092	-0.00044	-0.00031	0.00180
13158	1889.14	123.9	3.51	0.30	0.0320	0.0148	44.61	1.693	16.696	3.1380	-0.01096	0.02992	-0.00294	-0.00349	0.00953	-0.00094	-0.00021	-0.00016	0.00179
13159	1888.27	123.8	3.51	0.30	0.0355	0.0102	44.74	1.693	16.818	3.1376	-0.01079	0.02899	-0.00440	-0.00344	0.00924	-0.00140	-0.00016	-0.00046	0.00132
13160	1887.84	124.4	3.50	0.30	0.0341	0.0122	44.86	1.693	16.945	3.1359	-0.01067	0.02960	-0.00625	-0.00340	0.00944	-0.00199	-0.00012	-0.00026	0.00073
13161	1886.54	124.4	3.50	0.29	0.0355	0.0167	44.99	1.693	17.073	3.1339	-0.00977	0.03086	-0.00634	-0.00312	0.00985	-0.00202	0.00016	0.00015	0.00070
13162	1888.70	123.9	3.51	0.31	0.0303	0.0185	45.11	1.693	17.193	3.1381	-0.01145	0.02903	-0.00616	-0.00365	0.00925	-0.00196	-0.00037	-0.00045	0.00076
13163	1888.27	124.3	3.51	0.31	0.0341	0.0113	45.24	1.694	17.313	3.1369	-0.01065	0.02942	-0.00458	-0.00340	0.00938	-0.00146	-0.00011	-0.00032	0.00126
13164	1887.12	124.7	3.50	0.30	0.0327	0.0143	45.36	1.693	17.445	3.1358	-0.00992	0.02993	-0.00510	-0.00316	0.00954	-0.00163	0.00012	-0.00015	0.00110
13165	1889.14	124.1	3.51	0.29	0.0348	0.0089	45.49	1.693	17.577	3.1395	-0.01189	0.02898	-0.00592	-0.00379	0.00923	-0.00188	-0.00050	-0.00047	0.00084
13166	1888.70	123.9	3.51	0.31	0.0320	0.0111	45.61	1.694	17.693	3.1362	-0.01070	0.03196	0.00072	-0.00341	0.01019	0.00023	-0.00013	0.00049	0.00295
13167	1887.55	124.4	3.50	0.29	0.0345	0.0106	45.74	1.693	17.827	3.1370	-0.01298	0.02862	-0.00567	-0.00414	0.00912	-0.0018			

Table A21. Run 198.

Run = 198
M = 1.60
xspos = 42.350

point	p0	t0	rntf	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13174	1887.98	124.1	3.51	0.66	0.0482	0.0144	21.36	1.690	-6.502	3.1367	-0.01095	0.02894	-0.01009	-0.00349	0.00923	-0.00322	-0.00016	-0.00019	-0.00043
13175	1886.83	124.5	3.50	0.66	0.0482	0.0135	21.49	1.690	-6.375	3.1351	-0.01072	0.02891	-0.00878	-0.00342	0.00922	-0.00280	-0.00009	-0.00020	-0.00002
13176	1889.57	123.6	3.51	0.66	0.0492	0.0056	21.61	1.690	-6.251	3.1401	-0.01069	0.02886	-0.01021	-0.00341	0.00919	-0.00325	-0.00007	-0.00023	-0.00046
13177	1888.42	123.8	3.51	0.66	0.0502	0.0052	21.74	1.690	-6.131	3.1374	-0.01088	0.03083	-0.00714	-0.00347	0.00983	-0.00228	-0.00013	0.00041	0.00051
13178	1887.12	124.3	3.50	0.66	0.0503	0.0043	21.86	1.690	-6.005	3.1345	-0.00903	0.03018	-0.00748	-0.00288	0.00963	-0.00239	0.00045	0.00021	0.00040
13179	1888.99	124.0	3.51	0.66	0.0492	0.0056	21.99	1.690	-5.881	3.1391	-0.01064	0.02941	-0.00949	-0.00339	0.00937	-0.00302	-0.00006	-0.00005	-0.00024
13180	1888.56	123.8	3.51	0.66	0.0495	0.0095	22.11	1.690	-5.754	3.1373	-0.01071	0.03033	-0.00360	-0.00341	0.00967	-0.00115	-0.00008	0.00025	0.00164
13181	1887.84	124.4	3.51	0.66	0.0506	0.0148	22.24	1.690	-5.631	3.1365	-0.01016	0.02958	-0.00814	-0.00324	0.00943	-0.00259	0.00009	0.00001	0.00019
13182	1886.98	124.4	3.50	0.65	0.0451	0.0164	22.36	1.690	-5.498	3.1352	-0.01074	0.02829	-0.00623	-0.00343	0.00902	-0.00199	-0.00009	-0.00039	0.00080
13183	1888.56	123.6	3.51	0.66	0.0502	0.0174	22.49	1.690	-5.382	3.1385	-0.01119	0.02976	-0.00932	-0.00356	0.00948	-0.00297	-0.00023	0.00006	-0.00018
13184	1888.13	124.1	3.51	0.66	0.0447	0.0237	22.61	1.690	-5.248	3.1364	-0.01028	0.02967	-0.00509	-0.00328	0.00946	-0.00162	0.00006	0.00004	0.00116
13185	1887.12	124.6	3.50	0.66	0.0475	0.0215	22.74	1.690	-5.129	3.1346	-0.00964	0.03003	-0.00821	-0.00308	0.00958	-0.00262	0.00026	0.00016	0.00017
13186	1889.42	123.9	3.51	0.66	0.0454	0.0259	22.86	1.690	-4.998	3.1395	-0.00962	0.02870	-0.00811	-0.00307	0.00914	-0.00258	0.00027	-0.00028	0.00020
13187	1888.42	124.0	3.51	0.65	0.0457	0.0326	22.99	1.690	-4.870	3.1381	-0.01147	0.02941	-0.00989	-0.00366	0.00937	-0.00315	-0.00032	-0.00005	-0.00037
13188	1887.84	124.5	3.50	0.65	0.0458	0.0280	23.11	1.690	-4.744	3.1355	-0.01108	0.03119	-0.00478	-0.00353	0.00995	-0.00152	-0.00020	0.00053	0.00126
13189	1886.83	124.4	3.50	0.65	0.0447	0.0330	23.24	1.690	-4.619	3.1353	-0.01142	0.02923	-0.00837	-0.00364	0.00932	-0.00267	-0.00031	-0.00010	0.00012
13190	1888.70	123.6	3.51	0.65	0.0430	0.0330	23.36	1.690	-4.495	3.1384	-0.01055	0.02939	-0.00638	-0.00336	0.00936	-0.00203	-0.00003	-0.00005	0.00075
13191	1888.42	124.3	3.51	0.65	0.0444	0.0235	23.49	1.690	-4.371	3.1376	-0.01178	0.02839	-0.00595	-0.00376	0.00905	-0.00190	-0.00042	-0.00037	0.00089
13192	1886.98	124.7	3.50	0.66	0.0482	0.0237	23.61	1.690	-4.252	3.1348	-0.01128	0.02954	-0.00729	-0.00360	0.00942	-0.00233	-0.00026	0.00001	0.00046
13193	1888.99	123.8	3.51	0.66	0.0495	0.0179	23.74	1.690	-4.129	3.1381	-0.00977	0.03089	-0.00625	-0.00311	0.00984	-0.00199	0.00022	0.00042	0.00080
13194	1888.56	123.9	3.51	0.66	0.0495	0.0179	23.86	1.690	-4.004	3.1378	-0.01091	0.02955	-0.00654	-0.00348	0.00942	-0.00209	-0.00014	0.00000	0.00070
13195	1887.26	124.6	3.50	0.66	0.0482	0.0125	23.99	1.690	-3.888	3.1365	-0.01161	0.02842	-0.00972	-0.00370	0.00906	-0.00310	-0.00037	-0.00036	-0.00031
13196	1886.98	124.3	3.50	0.66	0.0485	0.0108	24.11	1.690	-3.758	3.1358	-0.01086	0.02899	-0.00889	-0.00346	0.00924	-0.00283	-0.00013	-0.00017	-0.00005
13197	1888.27	123.5	3.51	0.66	0.0492	0.0093	24.24	1.691	-3.633	3.1366	-0.01001	0.02963	-0.00829	-0.00319	0.00945	-0.00264	0.00014	0.00003	0.00014
13198	1887.98	124.0	3.51	0.66	0.0523	0.0092	24.36	1.691	-3.513	3.1356	-0.00968	0.03059	-0.00696	-0.00309	0.00976	-0.00222	0.00025	0.00034	0.00057
13199	1887.12	124.4	3.50	0.66	0.0454	0.0157	24.49	1.690	-3.376	3.1344	-0.01002	0.03132	-0.00660	-0.00320	0.00999	-0.00210	0.00014	0.00057	0.00068
13200	1888.85	123.8	3.51	0.66	0.0447	0.0218	24.61	1.690	-3.249	3.1384	-0.00975	0.03260	-0.00880	-0.00311	0.01039	-0.00280	0.00023	0.00097	-0.00002
13201	1888.27	123.7	3.51	0.66	0.0468	0.0164	24.74	1.690	-3.131	3.1371	-0.00969	0.03408	-0.00537	-0.00309	0.01086	-0.00171	0.00024	0.00145	0.00108
13202	1887.84	124.3	3.51	0.66	0.0478	0.0179	24.86	1.690	-3.007	3.1373	-0.00906	0.02959	-0.01127	-0.00289	0.00943	-0.00359	0.00045	0.00001	-0.00080
13203	1886.83	124.2	3.50	0.66	0.0496	0.0095	24.99	1.690	-2.876	3.1337	-0.00570	0.03056	-0.00643	-0.00182	0.00975	-0.00205	0.00151	0.00033	0.00073
13204	1888.70	123.8	3.51	0.66	0.0482	0.0116	25.11	1.690	-2.755	3.1380	-0.00897	0.02897	-0.00833	-0.00286	0.00923	-0.00266	0.00048	-0.00019	0.00013
13205	1887.98	124.1	3.51	0.65	0.0451	0.0164	25.24	1.690	-2.621	3.1360	-0.01166	0.02911	-0.00527	-0.00372	0.00928	-0.00168	-0.00039	-0.00014	0.00110
13206	1887.26	124.4	3.50	0.65	0.0447	0.0181	25.36	1.690	-2.491	3.1346	-0.01094	0.03069	-0.00479	-0.00349	0.00979	-0.00153	-0.00016	0.00037	0.00126
13207	1888.85	123.8	3.51	0.66	0.0474	0.0261	25.49	1.690	-2.376	3.1374	-0.00897	0.03283	-0.00771	-0.00286	0.01046	-0.00246	0.00048	0.00104	0.00033
13208	1888.13	123.8	3.51	0.65	0.0423	0.0298	25.61	1.690	-2.243	3.1369	-0.00827	0.03544	-0.00747	-0.00264	0.01130	-0.00238	0.00070	0.00188	0.00041
13209	1887.70	124.4	3.50	0.65	0.0458	0.0261	25.74	1.690	-2.122	3.1367	-0.00978	0.03763	-0.00390	-0.00312	0.01200	-0.00124	0.00022	0.00258	0.00154
13210	1886.69	124.1	3.50	0.65	0.0461	0.0235	25.86	1.690	-1.998	3.1346	-0.00346	0.03720	-0.00336	-0.00110	0.01187	-0.00107	0.00223	0.00245	0.00171
13211	1888.99	123.5	3.51	0.65	0.0457	0.0261	25.99	1.690	-1.871	3.1387	-0.00280	0.03549	-0.00561	-0.00089	0.01131	-0.00179	0.00244	0.00189	0.00100
13212	1888.27	124.0	3.51	0.66	0.0427	0.0263	26.11	1.690	-1.746	3.1364	-0.00544	0.02992	-0.00303	-0.00174	0.00954	-0.00097	0.00160	0.00012	0.00182
13213	1887.12	124.4	3.50	0.65	0.0454	0.0213	26.24	1.690	-1.622	3.1363	-0.00775	0.02623	-0.00873	-0.00247	0.00836	-0.00278	0.00086	-0.00105	0.00000
13214	1888.99	123.7	3.51	0.66	0.0468	0.0211	26.36	1.690	-1.500	3.1380	-0.00996	0.02711	-0.01128	-0.00317	0.00864	-0.00360	0.00016	-0.00078	-0.00081
13215	1888.56	124.0	3.51	0.66	0.0447	0.0190	26.49	1.690	-1.374	3.1375	-0.01313	0.02726	-0.00896	-0.00418	0.00869	-0.00286	-0.00085	-0.00073	-0.00007
13216	1887.70	124.7	3.50	0.66	0.0458	0.0168	26.61	1.690	-1.254	3.1356	-0.01342	0.03123	-0.00867	-0.00428	0.00996	-0.00277	-0.00095	0.00054	0.00002
13217	1886.98	124.9	3.50	0.65	0.0430	0.0172	26.74	1.690	-1.119	3.1349	-0.00936	0.03581	-0.00540	-0.00299	0.01142	-0.00172	0.00035	0.00200	0.00106
13218	1888.85	124.1	3.51	0.66	0.0461	0.0207	26.86	1.690	-1.002	3.1390	-0.00735	0.03918	-0.00529	-0.00234	0.01248	-0.00169	0.00099	0.00306	0.00110
13219	1888.27	124.6	3.50	0.66	0.0451	0.0220	26.99	1.690	-0.875	3.1363	-0.00169	0.04079	-0.00058	-0.00054	0.01301	-0.00018	0.00279	0.00359	0.00260
13220	1886.98	125.2	3.50	0.66	0.0437	0.0241	27.11	1.690	-0.749	3.1360	-0.00130	0.03690	-0.00409	-0.00041	0.01177	-0.00131	0.00292	0.00235	0.00148
13221	1887.55	124.5	3.50	0.65	0.0441	0.0186	27.24	1.690	-0.621	3.1365	-0.00150	0.03300	-0.00259	-0.00048	0.01052	-0.00083	0.00285	0.00110	0.00196
13222	1888.42	124.0	3.51	0.66	0.0475	0.0149	27.36	1.690	-0.505	3.1365	-0.00523	0.02966	-0.00262	-0.00167	0.00946	-0.00083	0.00166	0.00004	0.00195
13223	1887.70	124.8	3.50	0.66	0.0451	0.0173	27.49	1.690	-0.372	3.1350	-0.00475	0.03000	-0.00556	-0.00152	0.00957	-0.00177	0.00182	0.00015	0.00101
13224	1886.69	124.9	3.50	0.66	0.0461	0.0133	27.61	1.690	-0.254	3.1343	-0.01204	0.02785	-0.00869	-0.00384	0.00888	-0.00277	-0.00051	-0.00053	0.00001
13225	1889.14	123.8	3.51	0.67	0.0485	0.0080	27.74	1.691	-0.136	3.1399	-0.01392	0.03148	-0.01014	-0.00443	0.01003	-0.00323	-0.00110	0.00061	-0.00044
13226	1888.27	123.7	3.51	0.66	0.0468	0.0127	27.86	1.690	-0.004	3.1366	-0.00992	0.03770	-0.00663	-0.00316	0.01202	-0.00211	0.00017	0.00260	0.00067
13227	1887.26	124.6	3.50	0.66	0.0461	0.0105	27.99	1.690	0.125										

Table A21. Continued.

Run = 198
M = 1.60
xsppos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13247	1888.42	123.9	3.51	0.67	0.0489	-0.0039	30.49	1.691	2.612	3.1377	-0.00215	0.03794	0.00685	-0.00069	0.01209	0.00218	0.00265	0.00267	0.00497
13248	1887.41	124.3	3.51	0.67	0.0499	-0.0033	30.69	1.691	2.813	3.1370	-0.00110	0.03646	0.00318	-0.00035	0.01162	0.00101	0.00298	0.00220	0.00380
13249	1887.12	124.2	3.50	0.67	0.0496	-0.0073	30.74	1.691	2.862	3.1344	-0.00098	0.03826	0.00971	-0.00031	0.01221	0.00310	0.00302	0.00279	0.00589
13250	1888.56	123.6	3.51	0.67	0.0520	-0.0069	30.86	1.691	2.988	3.1384	-0.00246	0.03776	0.00304	-0.00079	0.01203	0.00097	0.00255	0.00261	0.00375
13251	1888.42	124.0	3.51	0.67	0.0485	-0.0069	30.99	1.691	3.115	3.1366	-0.00120	0.04125	0.00547	-0.00038	0.01315	0.00174	0.00295	0.00373	0.00453
13252	1887.12	124.5	3.50	0.66	0.0510	-0.0028	31.11	1.691	3.241	3.1351	-0.00228	0.04114	0.00065	-0.00073	0.01312	0.00021	0.00261	0.00370	0.00299
13253	1889.14	123.9	3.51	0.67	0.0540	-0.0048	31.24	1.691	3.358	3.1390	0.00084	0.04595	0.00038	0.00027	0.01464	0.00012	0.00360	0.00522	0.00291
13254	1888.42	123.7	3.51	0.67	0.0544	-0.0046	31.36	1.691	3.483	3.1385	0.00054	0.04862	0.00087	0.00017	0.01549	0.00028	0.00351	0.00607	0.00306
13255	1887.98	124.2	3.51	0.67	0.0557	-0.0057	31.49	1.691	3.605	3.1368	0.00301	0.04802	0.00219	0.00096	0.01531	0.00070	0.00429	0.00589	0.00348
13256	1887.41	124.6	3.50	0.67	0.0530	-0.0054	31.61	1.691	3.733	3.1364	0.00799	0.04292	0.00362	0.00255	0.01368	0.00115	0.00588	0.00426	0.00394
13257	1888.99	124.0	3.51	0.68	0.0530	-0.0035	31.74	1.691	3.854	3.1393	0.00709	0.03882	0.00285	0.00226	0.01237	0.00091	0.00559	0.00295	0.00369
13258	1888.42	123.9	3.51	0.68	0.0537	-0.0078	31.86	1.691	3.975	3.1368	0.00358	0.03523	0.00371	0.00114	0.01123	0.00118	0.00447	0.00181	0.00397
13259	1887.55	124.4	3.50	0.66	0.0510	-0.0056	31.99	1.691	4.114	3.1362	-0.00169	0.03281	0.00169	-0.00054	0.01046	0.00054	0.00280	0.00104	0.00333
13260	1886.98	124.4	3.50	0.67	0.0568	-0.0052	32.11	1.691	4.228	3.1350	-0.00323	0.03562	0.00142	-0.00103	0.01136	0.00045	0.00230	0.00194	0.00324
13261	1888.56	123.7	3.51	0.67	0.0533	-0.0080	32.24	1.691	4.361	3.1389	-0.00705	0.03818	0.00572	-0.00225	0.01216	0.00182	0.00109	0.00274	0.00461
13262	1888.13	124.3	3.51	0.67	0.0564	-0.0128	32.36	1.691	4.482	3.1371	-0.00503	0.04145	0.00630	-0.00160	0.01321	0.00201	0.00173	0.00379	0.00479
13263	1887.12	124.8	3.50	0.67	0.0558	-0.0085	32.49	1.691	4.604	3.1350	-0.00056	0.04485	0.01058	-0.00018	0.01431	0.00338	0.00315	0.00489	0.00616
13264	1888.85	124.2	3.51	0.67	0.0564	-0.0119	32.61	1.691	4.729	3.1390	0.00304	0.04517	0.01168	0.00097	0.01439	0.00372	0.00430	0.00497	0.00651
13265	1888.13	123.9	3.51	0.67	0.0530	-0.0082	32.74	1.691	4.859	3.1373	0.00464	0.04152	0.00980	0.00148	0.01324	0.00312	0.00481	0.00382	0.00591
13266	1887.55	124.5	3.50	0.67	0.0534	-0.0080	32.86	1.691	4.985	3.1373	0.00274	0.04071	0.00895	0.00087	0.01297	0.00285	0.00421	0.00356	0.00564
13267	1886.83	124.7	3.50	0.67	0.0541	-0.0104	32.99	1.691	5.108	3.1350	0.00184	0.04252	0.00733	0.00059	0.01356	0.00234	0.00392	0.00414	0.00513
13268	1888.99	123.6	3.51	0.67	0.0564	-0.0137	33.11	1.691	5.226	3.1396	0.00158	0.04235	0.00306	0.00050	0.01349	0.00097	0.00384	0.00407	0.00376
13269	1888.27	124.2	3.51	0.67	0.0551	-0.0117	33.24	1.691	5.357	3.1385	0.00186	0.04417	-0.00105	0.00059	0.01407	-0.00033	0.00393	0.00465	0.00245
13270	1887.12	124.9	3.50	0.68	0.0551	-0.0089	33.36	1.691	5.477	3.1349	0.00443	0.04677	-0.00071	0.00141	0.01492	-0.00023	0.00475	0.00550	0.00256
13271	1887.12	124.3	3.50	0.67	0.0520	-0.0125	33.49	1.691	5.611	3.1360	0.00733	0.04777	0.00626	0.00234	0.01523	0.00200	0.00567	0.00581	0.00478
13272	1888.85	123.6	3.51	0.67	0.0509	-0.0074	33.61	1.691	5.737	3.1389	0.00670	0.04888	0.00674	0.00213	0.01557	0.00215	0.00547	0.00616	0.00493
13273	1887.70	124.3	3.51	0.66	0.0544	-0.0130	33.74	1.691	5.863	3.1366	0.00912	0.04748	0.00875	0.00291	0.01514	0.00279	0.00624	0.00572	0.00558
13274	1887.12	124.6	3.50	0.68	0.0537	-0.0106	33.86	1.691	5.977	3.1354	0.01125	0.04938	0.00849	0.00359	0.01575	0.00271	0.00692	0.00633	0.00549
13275	1888.85	123.7	3.51	0.67	0.0516	-0.0089	33.99	1.691	6.112	3.1375	0.01059	0.05245	0.01311	0.00337	0.01672	0.00418	0.00671	0.00730	0.00696
13276	1888.42	124.2	3.51	0.68	0.0499	-0.0061	34.11	1.691	6.232	3.1377	0.00918	0.05172	0.01087	0.00293	0.01648	0.00346	0.00626	0.00706	0.00625
13277	1887.12	124.8	3.50	0.66	0.0503	-0.0050	34.24	1.691	6.366	3.1345	0.01038	0.05541	0.01229	0.00331	0.01768	0.00392	0.00664	0.00826	0.00671
13278	1887.26	124.2	3.51	0.67	0.0516	-0.0061	34.36	1.691	6.488	3.1352	0.01160	0.05625	0.01565	0.00370	0.01794	0.00499	0.00703	0.00852	0.00778
13279	1888.85	123.4	3.51	0.67	0.0468	-0.0060	34.49	1.691	6.613	3.1385	0.01417	0.05131	0.01091	0.00452	0.01635	0.00348	0.00785	0.00693	0.00626
13280	1887.98	124.1	3.51	0.66	0.0485	-0.0041	34.61	1.691	6.745	3.1371	0.01448	0.04971	0.01418	0.00461	0.01585	0.00452	0.00795	0.00643	0.00731
13281	1886.83	124.5	3.50	0.67	0.0493	-0.0112	34.74	1.691	6.865	3.1357	0.01389	0.05198	0.01231	0.00443	0.01658	0.00392	0.00776	0.00716	0.00671
13282	1889.57	123.4	3.52	0.66	0.0502	-0.0087	34.86	1.691	6.990	3.1399	0.01242	0.05393	0.01376	0.00396	0.01717	0.00438	0.00729	0.00776	0.00717
13283	1888.42	123.8	3.51	0.66	0.0485	-0.0069	34.99	1.691	7.119	3.1386	0.01232	0.05163	0.01177	0.00393	0.01645	0.00375	0.00726	0.00703	0.00654
13284	1887.26	124.6	3.50	0.66	0.0475	-0.0056	35.11	1.690	7.245	3.1345	0.01212	0.05322	0.02251	0.00387	0.01698	0.00718	0.00720	0.00756	0.00997
13285	1886.83	124.1	3.51	0.66	0.0465	-0.0090	35.24	1.690	7.370	3.1358	0.01457	0.04864	0.01656	0.00465	0.01551	0.00528	0.00798	0.00609	0.00807
13286	1888.99	123.3	3.52	0.66	0.0482	-0.0043	35.36	1.690	7.495	3.1382	0.01199	0.04830	0.01902	0.00382	0.01539	0.00606	0.00715	0.00597	0.00885
13287	1887.55	124.1	3.51	0.66	0.0465	-0.0099	35.49	1.690	7.621	3.1366	0.01002	0.04355	0.01792	0.00319	0.01388	0.00571	0.00653	0.00447	0.00850
13288	1886.98	124.2	3.50	0.66	0.0493	-0.0103	35.61	1.690	7.746	3.1359	0.00682	0.04326	0.01501	0.00218	0.01380	0.00479	0.00551	0.00438	0.00757
13289	1888.70	123.5	3.51	0.66	0.0465	-0.0080	35.74	1.690	7.872	3.1370	0.00628	0.04228	0.01746	0.00200	0.01348	0.00556	0.00534	0.00406	0.00835
13290	1888.13	123.8	3.51	0.67	0.0461	-0.0091	35.86	1.690	7.993	3.1370	0.00377	0.03902	0.01713	0.00120	0.01244	0.00546	0.00454	0.00302	0.00825
13291	1887.12	124.3	3.50	0.67	0.0493	-0.0093	35.99	1.691	8.110	3.1352	0.00313	0.03819	0.01824	0.00100	0.01218	0.00582	0.00433	0.00276	0.00861
13292	1888.56	123.6	3.51	0.67	0.0472	-0.0086	36.11	1.690	8.245	3.1382	0.00093	0.03225	0.01803	0.00030	0.01028	0.00575	0.00363	0.00086	0.00853
13293	1888.56	123.9	3.51	0.67	0.0472	-0.0076	36.24	1.690	8.367	3.1376	-0.00067	0.03124	0.02040	-0.00021	0.00996	0.00650	0.00312	0.00054	0.00929
13294	1887.55	124.5	3.50	0.66	0.0503	-0.0106	36.36	1.690	8.491	3.1361	-0.00421	0.02586	0.01883	-0.00134	0.00824	0.00600	0.00199	-0.00117	0.00879
13295	1886.54	124.4	3.50	0.67	0.0472	-0.0048	36.49	1.691	8.616	3.1348	-0.00934	0.02350	0.01760	-0.00298	0.00750	0.00561	0.00035	-0.00192	0.00840
13296	1888.56	123.7	3.51	0.67	0.0502	-0.0078	36.61	1.691	8.736	3.1372	-0.01240	0.01588	0.01296	-0.00395	0.00506	0.00413	-0.00062	-0.00436	0.00692
13297	1888.27	124.5	3.51	0.65	0.0458	-0.0047	36.74	1.690	8.879	3.1372	-0.01793	0.01191	0.01199	-0.00572	0.00380	0.00382	-0.00238	-0.00562	0.00661
13298	1886.83	124.8	3.50	0.66	0.0479	-0.0054	36.86	1.690	8.997	3.1343	-0.02049	0.00681	0.00797	-0.00654	0.00217	0.00254	-0.00321	-0.00725	0.00533
13299	1888.99	124.0	3.51	0.66	0.0502	-0.0078	36.99	1.690	9.121	3.1389	-0.02543	0.00623	0.00312	-0.00810	0.00199	0.00100	-0.00477	-0.00743	0.00378
13300	1888.85	123.7	3.51	0.66	0.0495	-0.0073	37.11	1.691	9.241	3.									

Table A21. Concluded.

Run = 198
M = 1.60
xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13320	1888.42	124.1	3.51	0.67	0.0537	-0.0097	39.61	1.691	11.773	3.1376	-0.01943	0.01134	-0.02769	-0.00619	0.00362	-0.00882	-0.00286	-0.00580	-0.00604
13321	1888.42	123.8	3.51	0.66	0.0516	-0.0043	39.74	1.691	11.867	3.1373	-0.02214	0.01479	-0.02631	-0.00706	0.00471	-0.00839	-0.00372	-0.00470	-0.00560
13322	1888.27	124.4	3.51	0.66	0.0516	-0.0071	39.86	1.691	11.989	3.1373	-0.02121	0.01738	-0.02845	-0.00676	0.00554	-0.00907	-0.00343	-0.00388	-0.00628
13323	1886.98	124.9	3.50	0.66	0.0503	-0.0050	39.99	1.691	12.117	3.1346	-0.02128	0.01995	-0.02374	-0.00679	0.00636	-0.00757	-0.00346	-0.00305	-0.00479
13324	1889.14	123.8	3.51	0.67	0.0519	-0.0003	40.11	1.691	12.234	3.1398	-0.02066	0.01862	-0.02417	-0.00658	0.00593	-0.00770	-0.00325	-0.00349	-0.00491
13325	1888.42	123.8	3.51	0.67	0.0520	-0.0041	40.24	1.691	12.362	3.1366	-0.01671	0.02090	-0.01904	-0.00533	0.00666	-0.00607	-0.00199	-0.00276	-0.00328
13326	1887.41	124.4	3.50	0.67	0.0499	0.0060	40.36	1.691	12.490	3.1367	-0.01793	0.01951	-0.02139	-0.00572	0.00622	-0.00682	-0.00238	-0.00320	-0.00403
13327	1886.54	124.3	3.50	0.67	0.0492	0.0056	40.49	1.691	12.616	3.1347	-0.01618	0.01893	-0.01589	-0.00516	0.00604	-0.00507	-0.00183	-0.00338	-0.00228
13328	1888.99	123.6	3.51	0.66	0.0502	0.0071	40.61	1.690	12.745	3.1376	-0.01566	0.01817	-0.01596	-0.00499	0.00579	-0.00509	-0.00166	-0.00363	-0.00230
13329	1887.84	124.4	3.50	0.66	0.0516	0.0079	40.74	1.691	12.866	3.1370	-0.01963	0.01508	-0.01574	-0.00626	0.00481	-0.00502	-0.00292	-0.00461	-0.00223
13330	1886.83	124.8	3.50	0.67	0.0475	0.0112	40.87	1.690	12.995	3.1349	-0.01974	0.01514	-0.01702	-0.00630	0.00483	-0.00543	-0.00296	-0.00459	-0.00264
13331	1888.99	123.8	3.51	0.67	0.0523	0.0101	40.99	1.691	13.111	3.1384	-0.01957	0.01451	-0.01565	-0.00624	0.00462	-0.00499	-0.00290	-0.00480	-0.00220
13332	1888.42	123.7	3.51	0.67	0.0554	0.0127	41.11	1.691	13.230	3.1373	-0.02034	0.01436	-0.01726	-0.00648	0.00458	-0.00550	-0.00315	-0.00484	-0.00271
13333	1887.55	124.3	3.51	0.66	0.0495	0.0170	41.24	1.690	13.368	3.1360	-0.02193	0.01771	-0.01757	-0.00699	0.00565	-0.00560	-0.00366	-0.00377	-0.00282
13334	1886.54	124.1	3.50	0.66	0.0509	0.0150	41.36	1.691	13.491	3.1337	-0.01913	0.02125	-0.01796	-0.00610	0.00678	-0.00573	-0.00277	-0.00264	-0.00295
13335	1888.85	123.4	3.51	0.66	0.0481	0.0200	41.49	1.690	13.622	3.1388	-0.01597	0.02391	-0.02004	-0.00509	0.00762	-0.00638	-0.00176	-0.00180	-0.00360
13336	1888.42	123.9	3.51	0.66	0.0461	0.0235	41.61	1.690	13.751	3.1363	-0.01241	0.02539	-0.01264	-0.00396	0.00809	-0.00403	-0.00062	-0.00132	-0.00124
13337	1886.98	124.3	3.50	0.66	0.0444	0.0282	41.74	1.690	13.876	3.1355	-0.01265	0.02301	-0.02173	-0.00403	0.00734	-0.00693	-0.00070	-0.00208	-0.00414
13338	1888.70	123.6	3.51	0.66	0.0495	0.0198	41.86	1.690	13.994	3.1371	-0.01279	0.02058	-0.01848	-0.00408	0.00656	-0.00589	-0.00074	-0.00286	-0.00310
13339	1888.13	123.8	3.51	0.65	0.0447	0.0265	41.99	1.690	14.128	3.1366	-0.01289	0.01997	-0.02060	-0.00411	0.00637	-0.00657	-0.00078	-0.00305	-0.00378
13340	1887.26	124.3	3.50	0.66	0.0506	0.0204	42.11	1.690	14.245	3.1346	-0.01675	0.01920	-0.02231	-0.00534	0.00613	-0.00712	-0.00201	-0.00329	-0.00433
13341	1888.85	123.9	3.51	0.66	0.0509	0.0196	42.24	1.690	14.368	3.1391	-0.01867	0.01823	-0.02415	-0.00595	0.00581	-0.00769	-0.00262	-0.00361	-0.00491
13342	1888.42	123.9	3.51	0.66	0.0471	0.0185	42.36	1.690	14.494	3.1377	-0.01932	0.02507	-0.01778	-0.00616	0.00799	-0.00567	-0.00282	-0.00143	-0.00288
13343	1887.41	124.6	3.50	0.66	0.0489	0.0185	42.49	1.690	14.623	3.1352	-0.01567	0.02972	-0.01453	-0.00500	0.00948	-0.00463	-0.00166	0.00006	-0.00185
13344	1887.26	124.6	3.50	0.67	0.0509	0.0159	42.61	1.691	14.739	3.1356	-0.01210	0.03242	-0.01313	-0.00386	0.01034	-0.00419	-0.00053	0.00092	-0.00140
13345	1888.99	123.6	3.51	0.67	0.0498	0.0237	42.74	1.691	14.864	3.1389	-0.01084	0.03158	-0.01019	-0.00345	0.01006	-0.00325	-0.00012	0.00064	-0.00046
13346	1888.13	123.9	3.51	0.66	0.0481	0.0274	42.86	1.690	14.996	3.1369	-0.00856	0.03106	-0.01079	-0.00273	0.00990	-0.00344	0.00061	0.00048	-0.00065
13347	1887.41	124.3	3.50	0.66	0.0458	0.0308	42.99	1.690	15.122	3.1370	-0.00901	0.02906	-0.01193	-0.00287	0.00926	-0.00380	0.00046	-0.00016	-0.00102
13348	1888.99	123.9	3.51	0.66	0.0495	0.0282	43.11	1.690	15.243	3.1386	-0.00799	0.02944	-0.01603	-0.00255	0.00938	-0.00511	0.00079	-0.00004	-0.00232
13349	1888.13	123.6	3.51	0.66	0.0471	0.0315	43.24	1.690	15.370	3.1371	-0.00986	0.02855	-0.01879	-0.00314	0.00910	-0.00599	0.00019	-0.00032	-0.00320
13350	1887.98	124.2	3.51	0.66	0.0492	0.0261	43.36	1.690	15.491	3.1368	-0.01073	0.02824	-0.01730	-0.00342	0.00900	-0.00551	-0.00009	-0.00042	-0.00273
13351	1887.41	124.3	3.50	0.67	0.0464	0.0330	43.49	1.690	15.618	3.1358	-0.01037	0.02750	-0.01716	-0.00331	0.00877	-0.00547	0.00003	-0.00065	-0.00269
13352	1888.85	123.7	3.51	0.66	0.0454	0.0306	43.61	1.690	15.749	3.1384	-0.01200	0.02747	-0.01058	-0.00382	0.00875	-0.00337	-0.00049	-0.00066	-0.00058
13353	1888.27	124.2	3.51	0.66	0.0457	0.0364	43.74	1.690	15.873	3.1377	-0.01105	0.02830	-0.00724	-0.00352	0.00902	-0.00231	-0.00019	-0.00040	0.00048
13354	1887.41	124.7	3.50	0.66	0.0444	0.0384	43.86	1.690	15.997	3.1346	-0.01124	0.02994	-0.00295	-0.00358	0.00955	-0.00094	-0.00025	0.00013	0.00184
13355	1886.98	124.5	3.50	0.66	0.0447	0.0321	43.99	1.690	16.126	3.1361	-0.01489	0.02881	-0.00515	-0.00475	0.00919	-0.00164	-0.00141	-0.00023	0.00114
13356	1888.70	124.0	3.51	0.66	0.0457	0.0354	44.11	1.690	16.246	3.1383	-0.01161	0.02773	-0.00542	-0.00370	0.00884	-0.00173	-0.00037	-0.00058	0.00106
13357	1888.13	124.7	3.50	0.66	0.0423	0.0401	44.24	1.690	16.375	3.1371	-0.01259	0.02803	-0.00706	-0.00401	0.00893	-0.00225	-0.00068	-0.00048	0.00053
13358	1886.83	124.9	3.50	0.67	0.0444	0.0328	44.36	1.691	16.491	3.1350	-0.01386	0.02849	-0.00443	-0.00442	0.00909	-0.00141	-0.00109	-0.00033	0.00137
13359	1888.99	123.9	3.51	0.66	0.0406	0.0391	44.49	1.690	16.629	3.1389	-0.01048	0.02838	-0.00440	-0.00334	0.00904	-0.00140	-0.00001	-0.00038	0.00139
13360	1888.42	123.9	3.51	0.68	0.0444	0.0356	44.61	1.691	16.733	3.1384	-0.01261	0.02750	-0.00903	-0.00402	0.00876	-0.00288	-0.00069	-0.00066	-0.00009
13361	1887.55	124.5	3.50	0.67	0.0461	0.0282	44.74	1.691	16.864	3.1365	-0.01262	0.02851	-0.00573	-0.00402	0.00909	-0.00183	-0.00069	-0.00033	0.00096
13362	1886.40	124.4	3.50	0.67	0.0444	0.0300	44.86	1.691	16.990	3.1341	-0.01226	0.02877	-0.00771	-0.00391	0.00918	-0.00246	-0.00058	-0.00024	0.00033
13363	1888.85	123.5	3.51	0.66	0.0440	0.0326	44.99	1.690	17.122	3.1386	-0.01253	0.02974	-0.00716	-0.00399	0.00948	-0.00228	-0.00066	0.00006	0.00050
13364	1888.13	124.1	3.51	0.67	0.0444	0.0310	45.11	1.690	17.244	3.1376	-0.01097	0.02739	-0.00880	-0.00350	0.00873	-0.00280	-0.00016	-0.00069	-0.00002
13365	1887.12	124.6	3.50	0.66	0.0451	0.0313	45.24	1.690	17.376	3.1352	-0.01210	0.02820	-0.00882	-0.00386	0.00900	-0.00281	-0.00053	-0.00042	-0.00003
13366	1888.70	124.0	3.51	0.66	0.0413	0.0367	45.36	1.690	17.506	3.1386	-0.01218	0.02811	-0.00474	-0.00388	0.00896	-0.00151	-0.00055	-0.00046	0.00127
13367	1888.85	123.8	3.51	0.67	0.0454	0.0306	45.49	1.690	17.617	3.1373	-0.00966	0.02983	-0.00462	-0.00308	0.00951	-0.00147	0.00026	0.00009	0.00131
13368	1887.55	124.5	3.50	0.66	0.0475	0.0261	45.61	1.690	17.745	3.1356	-0.01163	0.03061	-0.00788	-0.00371	0.00976	-0.00251	-0.00037	0.00034	0.00027
13369	1886.26	124.4	3.50	0.65	0.0424	0.0326	45.74	1.690	17.880	3.1336	-0.01170	0.02897	-0.00432	-0.00374	0.00925	-0.00138	-0.00040	-0.00017	0.00141
13370	1888.70	123.5	3.51	0.67	0.0457	0.0252	45.86	1.691	17.987	3.1386	-0.01187	0.02801	-0.00486	-0.00378	0.00892	-0.00155	-0.00045	-0.00049	0.00124
13371	1888.13	124.1	3.51	0.65	0.0420	0.0343	45.99	1.690	18.134	3.1355	-0.01169	0.03158	-0.00506	-0.00373	0.01007	-0.00161	-0.00040	0.00065	0.00117
13372	1887.26	124.6	3.50	0.66	0.0468	0.0314	46.11	1.690	18.244	3.1357	-0.01127	0.02938	-0.00610	-0.00360	0.00937	-0.00195	-0.00026	-0.00005	0.00084
13373	1888.99	123.6	3.51	0.66	0														

Table A22. Run 201.

Run = 201
M = 1.60
xsppos = 42.352

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13387	1887.98	124.7	3.50	0.27	0.0253	0.0447	21.37	1.691	-6.506	3.1315	-0.00964	0.03092	-0.01674	-0.00308	0.00987	-0.00535	-0.00012	-0.00043	-0.00005
13388	1888.13	124.6	3.50	0.28	0.0263	0.0425	21.49	1.691	-6.386	3.1307	-0.00913	0.03228	-0.01744	-0.00292	0.01031	-0.00557	0.00004	0.00001	-0.00027
13389	1887.98	124.6	3.50	0.28	0.0277	0.0442	21.62	1.691	-6.265	3.1306	-0.00823	0.03256	-0.01678	-0.00263	0.01040	-0.00536	0.00033	0.00010	-0.00006
13390	1887.55	124.6	3.50	0.27	0.0264	0.0416	21.74	1.690	-6.130	3.1296	-0.00964	0.03311	-0.01553	-0.00308	0.01058	-0.00496	-0.00012	0.00028	0.00034
13391	1887.98	124.6	3.50	0.28	0.0250	0.0436	21.87	1.691	-6.007	3.1308	-0.00970	0.03238	-0.01648	-0.00310	0.01034	-0.00526	-0.00014	0.00004	0.00004
13392	1887.70	124.7	3.50	0.28	0.0281	0.0388	21.86	1.691	-6.014	3.1306	-0.00985	0.03277	-0.01707	-0.00315	0.01047	-0.00545	-0.00019	0.00016	-0.00015
13393	1887.98	124.4	3.50	0.29	0.0253	0.0382	21.99	1.691	-5.893	3.1314	-0.01056	0.03247	-0.01881	-0.00337	0.01037	-0.00601	-0.00041	0.00007	-0.00070
13394	1888.13	124.3	3.51	0.28	0.0253	0.0438	22.11	1.691	-5.763	3.1313	-0.01188	0.03321	-0.01586	-0.00379	0.01061	-0.00507	-0.00083	0.00030	0.00024
13395	1887.84	124.5	3.50	0.27	0.0260	0.0460	22.24	1.690	-5.627	3.1304	-0.00980	0.03269	-0.01726	-0.00313	0.01044	-0.00551	-0.00017	0.00014	-0.00021
13396	1888.56	124.4	3.51	0.28	0.0267	0.0408	22.36	1.691	-5.516	3.1318	-0.00900	0.03286	-0.01776	-0.00287	0.01049	-0.00567	0.00009	0.00019	-0.00037
13397	1887.98	124.5	3.50	0.27	0.0260	0.0451	22.49	1.691	-5.383	3.1310	-0.00950	0.03353	-0.01637	-0.00304	0.01071	-0.00523	-0.00008	0.00041	0.00007
13398	1887.84	124.7	3.50	0.27	0.0243	0.0544	22.61	1.690	-5.255	3.1315	-0.01036	0.03154	-0.01797	-0.00331	0.01007	-0.00574	-0.00035	-0.00023	-0.00044
13399	1887.98	124.6	3.50	0.27	0.0215	0.0519	22.74	1.690	-5.125	3.1314	-0.01147	0.03247	-0.01599	-0.00366	0.01037	-0.00511	-0.00070	0.00007	0.00020
13400	1888.27	124.6	3.50	0.27	0.0232	0.0603	22.87	1.690	-4.998	3.1316	-0.01054	0.03383	-0.01717	-0.00337	0.01080	-0.00548	-0.00041	0.00050	-0.00018
13401	1888.42	124.6	3.50	0.27	0.0229	0.0592	22.99	1.690	-4.878	3.1320	-0.01092	0.03300	-0.01648	-0.00349	0.01054	-0.00526	-0.00053	0.00024	0.00004
13402	1887.41	124.6	3.50	0.27	0.0239	0.0663	23.11	1.690	-4.755	3.1294	-0.01040	0.03339	-0.01636	-0.00332	0.01067	-0.00523	-0.00036	0.00037	0.00007
13403	1888.27	124.4	3.51	0.28	0.0222	0.0691	23.24	1.690	-4.629	3.1323	-0.01024	0.03107	-0.01582	-0.00327	0.00992	-0.00505	-0.00031	-0.00038	0.00025
13404	1888.13	124.4	3.51	0.27	0.0219	0.0652	23.36	1.690	-4.496	3.1311	-0.01182	0.03221	-0.01750	-0.00377	0.01029	-0.00559	-0.00081	-0.00002	-0.00029
13405	1888.27	124.4	3.51	0.26	0.0191	0.0599	23.49	1.689	-4.365	3.1309	-0.00947	0.03338	-0.01513	-0.00303	0.01066	-0.00483	-0.00007	0.00036	0.00047
13406	1888.56	124.2	3.51	0.27	0.0222	0.0588	23.61	1.690	-4.251	3.1313	-0.00909	0.03395	-0.01494	-0.00290	0.01084	-0.00477	0.00006	0.00054	0.00053
13407	1888.42	124.4	3.51	0.28	0.0274	0.0458	23.74	1.691	-4.137	3.1325	-0.01023	0.03184	-0.01886	-0.00327	0.01017	-0.00602	-0.00031	-0.00014	-0.00072
13408	1887.84	124.6	3.50	0.29	0.0267	0.0483	23.86	1.691	-4.017	3.1314	-0.01065	0.03371	-0.01723	-0.00340	0.01077	-0.00550	-0.00044	0.00046	-0.00020
13409	1887.41	124.7	3.50	0.29	0.0267	0.0436	23.99	1.691	-3.896	3.1298	-0.01079	0.03338	-0.01541	-0.00345	0.01067	-0.00492	-0.00049	0.00036	0.00038
13410	1888.56	124.4	3.51	0.29	0.0236	0.0419	24.11	1.691	-3.765	3.1323	-0.01123	0.03265	-0.01494	-0.00359	0.01042	-0.00477	-0.00063	0.00012	0.00053
13411	1887.98	124.5	3.50	0.29	0.0288	0.0401	24.24	1.691	-3.648	3.1324	-0.01099	0.03135	-0.01772	-0.00351	0.01001	-0.00566	-0.00055	-0.00029	-0.00036
13412	1887.98	124.8	3.50	0.29	0.0284	0.0417	24.36	1.691	-3.521	3.1317	-0.00983	0.03127	-0.01875	-0.00314	0.00998	-0.00599	-0.00018	-0.00032	-0.00069
13413	1888.13	124.5	3.50	0.28	0.0263	0.0443	24.49	1.691	-3.390	3.1322	-0.01115	0.03215	-0.01783	-0.00356	0.01026	-0.00569	-0.00060	-0.00004	-0.00039
13414	1888.13	124.3	3.51	0.27	0.0226	0.0516	24.61	1.690	-3.253	3.1324	-0.01099	0.03268	-0.01538	-0.00351	0.01043	-0.00491	-0.00055	0.00013	0.00039
13415	1888.13	124.5	3.50	0.27	0.0236	0.0521	24.74	1.690	-3.130	3.1309	-0.00947	0.03651	-0.01472	-0.00302	0.01166	-0.00470	-0.00006	0.00136	0.00060
13416	1887.55	124.4	3.50	0.28	0.0233	0.0501	24.86	1.690	-3.007	3.1311	-0.00901	0.03509	-0.01710	-0.00288	0.01121	-0.00546	0.00008	0.00090	-0.00016
13417	1888.85	124.4	3.51	0.27	0.0236	0.0456	24.99	1.690	-2.876	3.1329	-0.00775	0.03360	-0.01919	-0.00247	0.01072	-0.00613	0.00049	0.00042	-0.00083
13418	1887.98	124.6	3.50	0.27	0.0198	0.0482	25.11	1.690	-2.752	3.1311	-0.00746	0.03187	-0.01631	-0.00238	0.01018	-0.00521	0.00058	-0.00012	0.00009
13419	1887.84	124.7	3.50	0.28	0.0270	0.0484	25.24	1.691	-2.639	3.1310	-0.00829	0.03122	-0.01719	-0.00265	0.00997	-0.00549	0.00031	-0.00033	-0.00019
13420	1887.84	124.6	3.50	0.28	0.0222	0.0570	25.36	1.691	-2.508	3.1311	-0.00918	0.02956	-0.01591	-0.00293	0.00944	-0.00508	0.00003	-0.00086	0.00022
13421	1888.27	124.3	3.51	0.28	0.0215	0.0538	25.49	1.691	-2.384	3.1312	-0.01070	0.03230	-0.01840	-0.00342	0.01032	-0.00588	-0.00046	0.00001	-0.00058
13422	1888.56	124.6	3.50	0.27	0.0188	0.0607	25.61	1.690	-2.251	3.1319	-0.01199	0.03261	-0.01434	-0.00383	0.01041	-0.00458	-0.00087	0.00011	0.00072
13423	1887.55	124.8	3.50	0.28	0.0202	0.0633	25.74	1.690	-2.130	3.1311	-0.00962	0.03678	-0.01774	-0.00307	0.01175	-0.00567	-0.00011	0.00144	-0.00037
13424	1888.70	124.3	3.51	0.28	0.0212	0.0592	25.86	1.691	-2.010	3.1321	-0.00764	0.04081	-0.01642	-0.00244	0.01303	-0.00524	0.00052	0.00273	0.00006
13425	1888.27	124.6	3.50	0.27	0.0181	0.0594	25.99	1.690	-1.876	3.1313	-0.00411	0.03863	-0.01516	-0.00131	0.01234	-0.00484	0.00165	0.00204	0.00046
13426	1887.70	124.8	3.50	0.28	0.0188	0.0626	26.11	1.690	-1.754	3.1298	-0.00159	0.03775	-0.01380	-0.00051	0.01206	-0.00441	0.00245	0.00176	0.00089
13427	1887.12	124.7	3.50	0.28	0.0157	0.0646	26.24	1.690	-1.625	3.1297	-0.00379	0.03452	-0.01602	-0.00121	0.01103	-0.00512	0.00175	0.00073	0.00018
13428	1888.56	124.3	3.51	0.29	0.0219	0.0540	26.36	1.691	-1.516	3.1323	-0.00823	0.02982	-0.01744	-0.00263	0.00952	-0.00557	0.00033	-0.00078	-0.00027
13429	1888.27	124.3	3.51	0.29	0.0184	0.0549	26.49	1.691	-1.387	3.1312	-0.00914	0.02928	-0.01431	-0.00292	0.00935	-0.00457	0.00004	-0.00095	0.00073
13430	1887.41	124.5	3.50	0.28	0.0191	0.0562	26.61	1.690	-1.257	3.1300	-0.01249	0.02924	-0.01717	-0.00399	0.00934	-0.00549	-0.00103	-0.00096	-0.00018
13431	1888.42	124.2	3.51	0.28	0.0181	0.0566	26.74	1.690	-1.132	3.1320	-0.01461	0.03258	-0.01662	-0.00466	0.01040	-0.00531	-0.00170	0.00010	-0.00001
13432	1888.13	124.5	3.50	0.28	0.0198	0.0547	26.86	1.691	-1.010	3.1309	-0.01182	0.03753	-0.01386	-0.00378	0.01199	-0.00443	-0.00082	0.00168	0.00087
13433	1887.70	124.7	3.50	0.28	0.0195	0.0564	26.99	1.690	-0.880	3.1308	-0.00661	0.04306	-0.01284	-0.00211	0.01375	-0.00410	0.00085	0.00345	0.00120
13434	1888.42	124.5	3.51	0.28	0.0198	0.0603	27.12	1.691	-0.757	3.1328	-0.00305	0.04250	-0.01151	-0.00097	0.01357	-0.00367	0.00199	0.00326	0.00163
13435	1888.42	124.2	3.51	0.28	0.0181	0.0575	27.24	1.690	-0.629	3.1323	-0.00309	0.03946	-0.01069	-0.00012	0.01260	-0.00341	0.00284	0.00230	0.00189
13436	1888.27	124.6	3.50	0.29	0.0215	0.0603	27.36	1.691	-0.516	3.1323	-0.00220	0.03764	-0.01047	-0.00070	0.01202	-0.00334	0.00226	0.00171	0.00196
13437	1886.69	125.0	3.50	0.29	0.0191	0.0581	27.49	1.691	-0.388	3.1300	-0.00363	0.03329	-0.01558	-0.00116	0.01063	-0.00498	0.00180	0.00033	0.00032
13438	1888.70	124.3	3.51	0.28	0.0184	0.0577	27.61	1.690	-0.256	3.1333	-0.00793	0.03119	-0.01893	-0.00253	0.00995	-0.00604	0.00043	-0.00035	-0.00074
13439	1888.42	124.5	3.51	0.29	0.0212	0.0517	27.74	1.691	-0.137	3.1321	-0.01017	0.02971	-0.02159	-0.00325	0.00949	-0.00689	-0.00029	-0.00082	-0.00159
13440	1887.84	125.0	3.50	0.28	0.0202	0.0493	27.86	1.690	-0.002										

Table A22. Continued.

Run = 201
M = 1.60
xspos = 42.351

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13460	1887.41	124.7	3.50	0.29	0.0250	0.0492	30.24	1.691	2.358	3.1303	-0.00264	0.04227	-0.01080	-0.00084	0.01350	-0.00345	0.00212	0.00320	0.00185
13461	1888.70	124.2	3.51	0.29	0.0219	0.0577	30.36	1.691	2.486	3.1319	-0.00031	0.04352	-0.00672	-0.00010	0.01390	-0.00214	0.00286	0.00359	0.00316
13462	1888.85	123.9	3.51	0.28	0.0243	0.0525	30.49	1.691	2.616	3.1328	-0.00153	0.04287	-0.00538	-0.00049	0.01368	-0.00172	0.00247	0.00338	0.00358
13463	1888.42	124.2	3.51	0.29	0.0212	0.0545	30.71	1.691	2.831	3.1309	-0.00039	0.04419	-0.00211	-0.00012	0.01411	-0.00067	0.00284	0.00381	0.00463
13464	1887.70	124.6	3.50	0.29	0.0229	0.0564	30.74	1.691	2.863	3.1304	-0.00133	0.04180	-0.00591	-0.00042	0.01335	-0.00189	0.00254	0.00305	0.00341
13465	1888.85	124.2	3.51	0.30	0.0243	0.0581	30.86	1.691	2.976	3.1327	-0.00067	0.04139	-0.00848	-0.00021	0.01321	-0.00271	0.00275	0.00291	0.00259
13466	1888.13	124.1	3.51	0.29	0.0226	0.0590	30.99	1.691	3.109	3.1310	0.00007	0.04347	-0.00735	0.00002	0.01388	-0.00235	0.00298	0.00358	0.00295
13467	1888.27	124.6	3.50	0.29	0.0260	0.0525	31.12	1.691	3.234	3.1332	-0.00348	0.04190	-0.00962	-0.00111	0.01337	-0.00307	0.00185	0.00307	0.00223
13468	1886.98	124.8	3.50	0.30	0.0233	0.0538	31.24	1.691	3.356	3.1296	-0.00018	0.04425	-0.00899	-0.00006	0.01414	-0.00287	0.00290	0.00384	0.00243
13469	1888.99	124.1	3.51	0.30	0.0277	0.0488	31.36	1.692	3.468	3.1333	-0.00047	0.04486	-0.00957	-0.00015	0.01432	-0.00305	0.00281	0.00402	0.00225
13470	1888.70	124.1	3.51	0.29	0.0298	0.0490	31.49	1.692	3.601	3.1324	-0.00096	0.04610	-0.00883	-0.00031	0.01472	-0.00282	0.00265	0.00442	0.00248
13471	1887.55	124.6	3.50	0.29	0.0246	0.0518	31.61	1.691	3.729	3.1313	0.00045	0.04334	-0.00817	0.00014	0.01384	-0.00261	0.00310	0.00354	0.00269
13472	1886.54	124.5	3.50	0.29	0.0226	0.0591	31.74	1.691	3.860	3.1291	0.00101	0.04515	-0.00529	0.00032	0.01443	-0.00169	0.00328	0.00413	0.00361
13473	1888.70	123.8	3.51	0.29	0.0260	0.0618	31.86	1.691	3.980	3.1329	0.00111	0.04366	-0.00874	0.00035	0.01394	-0.00279	0.00331	0.00364	0.00251
13474	1888.27	124.4	3.51	0.30	0.0263	0.0564	31.99	1.692	4.099	3.1318	-0.00023	0.04307	-0.00802	-0.00007	0.01375	-0.00256	0.00289	0.00345	0.00274
13475	1887.70	124.2	3.51	0.29	0.0256	0.0645	31.99	1.691	4.102	3.1325	-0.00048	0.04264	-0.00830	-0.00015	0.01361	-0.00265	0.00281	0.00331	0.00265
13476	1888.85	124.0	3.51	0.29	0.0246	0.0573	32.12	1.691	4.235	3.1327	-0.00243	0.04157	-0.00761	-0.00078	0.01327	-0.00243	0.00218	0.00297	0.00287
13477	1887.98	124.5	3.50	0.30	0.0287	0.0522	32.24	1.692	4.347	3.1326	-0.00282	0.04153	-0.01034	-0.00090	0.01326	-0.00330	0.00206	0.00296	0.00200
13478	1886.98	124.8	3.50	0.29	0.0288	0.0420	32.36	1.692	4.476	3.1303	-0.00261	0.04568	-0.00678	-0.00083	0.01459	-0.00217	0.00213	0.00429	0.00314
13479	1888.99	124.0	3.51	0.30	0.0263	0.0462	32.36	1.692	4.475	3.1328	-0.00183	0.04594	-0.00758	-0.00058	0.01466	-0.00242	0.00238	0.00436	0.00288
13480	1888.13	124.1	3.51	0.29	0.0253	0.0438	32.49	1.691	4.606	3.1317	-0.00120	0.04652	-0.00545	-0.00038	0.01485	-0.00174	0.00258	0.00455	0.00356
13481	1887.55	124.6	3.50	0.29	0.0260	0.0470	32.61	1.691	4.732	3.1307	0.00115	0.04912	-0.00780	0.00037	0.01569	-0.00249	0.00333	0.00539	0.00281
13482	1886.83	124.5	3.50	0.30	0.0264	0.0509	32.74	1.692	4.847	3.1295	0.00481	0.04840	-0.00673	0.00154	0.01547	-0.00215	0.00450	0.00516	0.00315
13483	1888.99	124.0	3.51	0.28	0.0308	0.0505	32.86	1.691	4.981	3.1339	0.00259	0.04812	-0.00631	0.00083	0.01535	-0.00201	0.00379	0.00505	0.00329
13484	1888.13	124.8	3.50	0.30	0.0243	0.0535	32.99	1.691	5.102	3.1322	0.00417	0.04534	-0.00405	0.00133	0.01448	-0.00129	0.00429	0.00417	0.00401
13485	1886.98	125.2	3.50	0.29	0.0260	0.0488	33.11	1.691	5.229	3.1299	0.00235	0.04547	-0.00811	0.00075	0.01453	-0.00259	0.00371	0.00422	0.00271
13486	1888.99	124.3	3.51	0.28	0.0263	0.0480	33.24	1.691	5.364	3.1342	0.00138	0.04454	-0.00845	0.00044	0.01421	-0.00270	0.00340	0.00391	0.00260
13487	1888.70	124.1	3.51	0.29	0.0246	0.0518	33.36	1.691	5.482	3.1323	0.00073	0.04587	-0.00597	0.00023	0.01464	-0.00191	0.00319	0.00434	0.00339
13488	1887.84	124.9	3.50	0.29	0.0287	0.0447	33.49	1.691	5.604	3.1312	0.00079	0.04370	-0.00550	0.00025	0.01396	-0.00176	0.00321	0.00365	0.00354
13489	1886.83	125.0	3.50	0.30	0.0257	0.0477	33.61	1.692	5.721	3.1297	0.00176	0.04354	-0.00533	0.00056	0.01391	-0.00170	0.00352	0.00361	0.00360
13490	1889.28	123.8	3.51	0.29	0.0229	0.0517	33.74	1.691	5.860	3.1338	0.00060	0.04500	-0.00215	0.00019	0.01436	-0.00069	0.00315	0.00406	0.00461
13491	1888.70	123.7	3.51	0.30	0.0263	0.0527	33.87	1.692	5.974	3.1343	0.00089	0.04447	-0.00447	0.00029	0.01419	-0.00143	0.00325	0.00389	0.00387
13492	1887.70	124.5	3.50	0.29	0.0226	0.0516	33.99	1.691	6.110	3.1300	0.00205	0.04754	-0.00210	0.00066	0.01519	-0.00067	0.00362	0.00489	0.00463
13493	1886.98	124.3	3.50	0.29	0.0239	0.0561	34.11	1.691	6.233	3.1303	0.00422	0.04813	-0.00352	0.00135	0.01538	-0.00112	0.00431	0.00507	0.00418
13494	1888.85	123.6	3.51	0.27	0.0215	0.0556	34.24	1.690	6.374	3.1323	0.00351	0.04770	-0.00026	0.00112	0.01523	-0.00008	0.00408	0.00493	0.00522
13495	1887.84	124.2	3.51	0.29	0.0222	0.0561	34.36	1.691	6.488	3.1317	0.00422	0.04971	-0.00508	0.00135	0.01587	-0.00162	0.00431	0.00557	0.00368
13496	1887.70	124.5	3.50	0.27	0.0195	0.0545	34.36	1.690	6.501	3.1316	0.00427	0.04702	-0.00461	0.00136	0.01501	-0.00147	0.00432	0.00471	0.00383
13497	1886.98	124.6	3.50	0.27	0.0226	0.0609	34.49	1.690	6.624	3.1309	0.00234	0.04933	-0.00444	0.00075	0.01576	-0.00142	0.00371	0.00545	0.00388
13498	1888.85	123.8	3.51	0.27	0.0171	0.0653	34.61	1.690	6.755	3.1332	0.00388	0.04873	-0.00585	0.00124	0.01555	-0.00187	0.00420	0.00525	0.00343
13499	1888.27	124.3	3.51	0.29	0.0256	0.0617	34.74	1.691	6.860	3.1327	0.00633	0.05251	-0.00816	0.00202	0.01676	-0.00260	0.00498	0.00646	0.00270
13500	1887.55	124.7	3.50	0.27	0.0198	0.0678	34.86	1.690	7.003	3.1301	0.00835	0.05257	-0.00408	0.00267	0.01680	-0.00130	0.00563	0.00649	0.00400
13501	1886.83	124.6	3.50	0.28	0.0174	0.0683	34.99	1.690	7.120	3.1304	0.00489	0.05049	-0.00490	0.00156	0.01613	-0.00157	0.00452	0.00583	0.00374
13502	1888.70	123.8	3.51	0.27	0.0177	0.0629	35.12	1.690	7.254	3.1325	0.00695	0.05071	-0.00285	0.00222	0.01619	-0.00091	0.00518	0.00589	0.00439
13503	1888.42	124.2	3.51	0.28	0.0174	0.0618	35.24	1.690	7.374	3.1320	0.00515	0.05108	-0.00054	0.00165	0.01631	-0.00017	0.00461	0.00601	0.00513
13504	1887.12	124.6	3.50	0.28	0.0202	0.0605	35.36	1.690	7.496	3.1310	0.00683	0.05075	-0.00312	0.00218	0.01621	-0.00100	0.00514	0.00591	0.00430
13505	1888.85	123.9	3.51	0.29	0.0188	0.0532	35.49	1.691	7.616	3.1343	0.00647	0.04796	-0.00178	0.00206	0.01530	-0.00057	0.00502	0.00500	0.00473
13506	1886.40	125.0	3.50	0.29	0.0226	0.0572	35.49	1.691	7.609	3.1295	0.00910	0.04943	-0.00017	0.00291	0.01579	-0.00006	0.00587	0.00549	0.00525
13507	1888.70	123.8	3.51	0.28	0.0184	0.0549	35.61	1.690	7.746	3.1342	0.00473	0.04759	-0.00045	0.00151	0.01518	-0.00014	0.00447	0.00488	0.00516
13508	1889.86	123.5	3.52	0.29	0.0181	0.0640	35.74	1.691	7.865	3.1349	0.00434	0.04432	-0.00002	0.00138	0.01414	-0.00001	0.00434	0.00383	0.00529
13509	1887.98	124.6	3.50	0.28	0.0188	0.0588	35.87	1.690	8.000	3.1309	0.00332	0.04295	-0.00124	0.00106	0.01372	-0.00040	0.00402	0.00342	0.00490
13510	1888.56	124.1	3.51	0.28	0.0174	0.0608	35.87	1.690	7.999	3.1331	0.00086	0.04052	0.00012	0.00027	0.01293	0.00004	0.00323	0.00263	0.00534
13511	1887.12	124.9	3.50	0.28	0.0191	0.0646	35.99	1.690	8.120	3.1300	0.00169	0.03891	0.00034	0.00054	0.01243	0.00011	0.00350	0.00213	0.00541
13512	1885.97	124.4	3.50	0.28	0.0161	0.0620	36.12	1.690	8.249	3.1286	-0.00390	0.03676	0.00125	-0.00125	0.01175	0.00040	0.00171	0.00145	0.00570
13513	1889.86	123.3	3.52	0.29	0.0201	0.0614	36.24	1.691	8.365	3.1									

Table A22. Concluded.

Run = 201
M = 1.60
xsppos = 42.353

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13533	1887.84	124.5	3.50	0.30	0.0233	0.0464	38.24	1.692	10.348	3.1312	-0.02581	0.00790	-0.03364	-0.00824	0.00252	-0.01074	-0.00528	-0.00778	-0.00544
13534	1886.54	124.8	3.50	0.31	0.0236	0.0475	38.37	1.692	10.466	3.1292	-0.02846	0.00520	-0.03635	-0.00910	0.00166	-0.01162	-0.00614	-0.00864	-0.00632
13535	1890.00	123.5	3.52	0.30	0.0260	0.0441	38.49	1.692	10.597	3.1340	-0.03040	0.00464	-0.03927	-0.00970	0.00148	-0.01253	-0.00674	-0.00882	-0.00723
13536	1888.85	123.5	3.51	0.31	0.0270	0.0400	38.61	1.692	10.711	3.1338	-0.03390	0.00021	-0.04413	-0.01082	0.00007	-0.01408	-0.00786	-0.01023	-0.00878
13537	1887.41	124.5	3.50	0.30	0.0260	0.0451	38.74	1.691	10.854	3.1306	-0.03384	0.00302	-0.04499	-0.01081	0.00096	-0.01437	-0.00785	-0.00934	-0.00907
13538	1886.54	124.5	3.50	0.30	0.0284	0.0446	38.87	1.692	10.970	3.1293	-0.03415	0.00497	-0.04431	-0.01091	0.00159	-0.01416	-0.00795	-0.00871	-0.00886
13539	1887.70	124.4	3.50	0.28	0.0253	0.0456	38.87	1.691	10.988	3.1308	-0.03409	0.00497	-0.04143	-0.01089	0.00159	-0.01323	-0.00793	-0.00871	-0.00793
13540	1886.83	124.8	3.50	0.28	0.0240	0.0514	38.99	1.691	11.116	3.1297	-0.02586	0.01244	-0.04045	-0.00826	0.00398	-0.01292	-0.00530	-0.00633	-0.00762
13541	1889.86	123.4	3.52	0.29	0.0256	0.0486	39.11	1.691	11.229	3.1361	-0.02801	0.01138	-0.03889	-0.00893	0.00363	-0.01240	-0.00597	-0.00667	-0.00710
13542	1888.27	123.9	3.51	0.28	0.0253	0.0522	39.24	1.691	11.366	3.1318	-0.02192	0.01852	-0.04048	-0.00700	0.00591	-0.01293	-0.00404	-0.00439	-0.00763
13543	1886.98	124.7	3.50	0.29	0.0239	0.0570	39.37	1.691	11.490	3.1311	-0.02123	0.01927	-0.04036	-0.00678	0.00615	-0.01289	-0.00382	-0.00415	-0.00759
13544	1888.42	123.8	3.51	0.28	0.0274	0.0579	39.49	1.691	11.608	3.1323	-0.01784	0.02146	-0.03806	-0.00570	0.00685	-0.01215	-0.00274	-0.00345	-0.00685
13545	1888.85	123.7	3.51	0.29	0.0256	0.0598	39.62	1.691	11.735	3.1327	-0.01435	0.02626	-0.04122	-0.00458	0.00838	-0.01316	-0.00162	-0.00192	-0.00786
13546	1887.55	124.5	3.50	0.30	0.0239	0.0598	39.74	1.691	11.856	3.1309	-0.01433	0.03085	-0.03865	-0.00458	0.00985	-0.01235	-0.00162	-0.00045	-0.00705
13547	1889.14	123.4	3.52	0.29	0.0277	0.0516	39.74	1.691	11.854	3.1323	-0.01436	0.02792	-0.03907	-0.00458	0.00891	-0.01247	-0.00162	-0.00139	-0.00717
13548	1887.26	124.3	3.50	0.29	0.0250	0.0511	39.87	1.691	11.985	3.1298	-0.01352	0.03317	-0.03438	-0.00432	0.01060	-0.01098	-0.00136	-0.00030	-0.00568
13549	1886.54	124.3	3.50	0.29	0.0250	0.0511	39.99	1.691	12.110	3.1295	-0.01129	0.03198	-0.03276	-0.00361	0.01022	-0.01047	-0.00065	-0.00008	-0.00517
13550	1888.70	123.5	3.51	0.29	0.0291	0.0477	40.12	1.691	12.230	3.1331	-0.01302	0.03254	-0.03282	-0.00416	0.01039	-0.01047	-0.00120	-0.00009	-0.00517
13551	1887.84	124.4	3.50	0.29	0.0281	0.0537	40.24	1.691	12.352	3.1311	-0.01112	0.03163	-0.02839	-0.00355	0.01010	-0.00907	-0.00059	-0.00020	-0.00377
13552	1886.54	124.6	3.50	0.29	0.0250	0.0567	40.37	1.691	12.484	3.1298	-0.01137	0.03123	-0.02690	-0.00363	0.00998	-0.00859	-0.00067	-0.00032	-0.00329
13553	1888.56	123.4	3.51	0.29	0.0263	0.0499	40.49	1.691	12.606	3.1324	-0.01137	0.03096	-0.02918	-0.00363	0.00988	-0.00931	-0.00067	-0.00042	-0.00401
13554	1887.84	124.2	3.51	0.29	0.0243	0.0507	40.62	1.691	12.735	3.1313	-0.01208	0.02896	-0.02551	-0.00386	0.00925	-0.00815	-0.00090	-0.00105	-0.00285
13555	1886.69	124.6	3.50	0.28	0.0246	0.0472	40.74	1.691	12.867	3.1296	-0.01157	0.02710	-0.02615	-0.00370	0.00866	-0.00836	-0.00074	-0.00164	-0.00305
13556	1889.42	123.8	3.51	0.29	0.0256	0.0514	40.86	1.691	12.979	3.1341	-0.01281	0.02697	-0.02778	-0.00409	0.00861	-0.00886	-0.00113	-0.00170	-0.00356
13557	1888.42	123.8	3.51	0.29	0.0256	0.0523	40.99	1.691	13.107	3.1339	-0.01667	0.02318	-0.02992	-0.00532	0.00740	-0.00955	-0.00236	-0.00291	-0.00425
13558	1887.70	124.5	3.50	0.29	0.0277	0.0460	41.12	1.691	13.232	3.1308	-0.01454	0.02315	-0.02552	-0.00464	0.00740	-0.00815	-0.00168	-0.00291	-0.00285
13559	1886.69	124.6	3.50	0.29	0.0267	0.0455	41.24	1.691	13.358	3.1298	-0.01703	0.02121	-0.02620	-0.00544	0.00678	-0.00837	-0.00248	-0.00353	-0.00307
13560	1889.28	123.4	3.52	0.29	0.0277	0.0497	41.37	1.691	13.479	3.1344	-0.01740	0.02183	-0.02542	-0.00555	0.00696	-0.00811	-0.00259	-0.00334	-0.00281
13561	1887.55	124.6	3.50	0.30	0.0253	0.0540	41.37	1.692	13.475	3.1311	-0.01867	0.02263	-0.02466	-0.00596	0.00723	-0.00788	-0.00300	-0.00307	-0.00257
13562	1886.69	124.5	3.50	0.29	0.0233	0.0576	41.49	1.691	13.611	3.1300	-0.01833	0.02633	-0.02442	-0.00586	0.00841	-0.00780	-0.00290	-0.00189	-0.00250
13563	1889.14	123.5	3.51	0.30	0.0260	0.0534	41.61	1.692	13.725	3.1337	-0.01588	0.02828	-0.02300	-0.00507	0.00902	-0.00734	-0.00211	-0.00128	-0.00204
13564	1888.13	124.1	3.51	0.30	0.0239	0.0598	41.74	1.692	13.850	3.1325	-0.01183	0.03180	-0.02550	-0.00378	0.01015	-0.00814	-0.00082	-0.00015	-0.00284
13565	1887.55	124.7	3.50	0.29	0.0222	0.0607	41.86	1.691	13.986	3.1310	-0.00903	0.03237	-0.02478	-0.00288	0.01034	-0.00792	0.00007	0.00004	-0.00261
13566	1886.54	124.4	3.50	0.32	0.0243	0.0554	41.99	1.693	14.084	3.1298	-0.00785	0.03081	-0.02465	-0.00251	0.00984	-0.00788	-0.00045	-0.00046	-0.00258
13567	1889.14	123.3	3.52	0.32	0.0249	0.0585	42.11	1.693	14.209	3.1337	-0.01104	0.02778	-0.02518	-0.00352	0.00886	-0.00804	-0.00056	-0.00144	-0.00273
13568	1886.69	124.0	3.51	0.30	0.0240	0.0533	42.11	1.692	14.222	3.1293	-0.00945	0.02751	-0.02324	-0.00302	0.00879	-0.00743	-0.00006	-0.00151	-0.00213
13569	1888.99	123.4	3.52	0.30	0.0260	0.0544	42.24	1.692	14.350	3.1325	-0.01220	0.02644	-0.02348	-0.00390	0.00844	-0.00750	-0.00094	-0.00186	-0.00219
13570	1887.98	124.1	3.51	0.30	0.0274	0.0458	42.37	1.692	14.472	3.1322	-0.01499	0.02270	-0.02821	-0.00478	0.00725	-0.00901	-0.00182	-0.00305	-0.00371
13571	1887.26	124.8	3.50	0.30	0.0250	0.0492	42.49	1.691	14.604	3.1308	-0.01656	0.02531	-0.02876	-0.00529	0.00809	-0.00919	-0.00233	-0.00222	-0.00389
13572	1887.12	124.2	3.51	0.29	0.0277	0.0516	42.61	1.692	14.725	3.1307	-0.01591	0.03032	-0.02520	-0.00508	0.00968	-0.00805	-0.00212	-0.00062	-0.00275
13573	1889.28	123.4	3.52	0.30	0.0243	0.0525	42.74	1.692	14.847	3.1331	-0.01240	0.03461	-0.02214	-0.00396	0.01105	-0.00707	-0.00100	0.00074	-0.00177
13574	1888.13	124.1	3.51	0.28	0.0243	0.0562	42.86	1.691	14.988	3.1318	-0.00844	0.03719	-0.02142	-0.00269	0.01188	-0.00684	0.00026	0.00157	-0.00154
13575	1887.26	124.8	3.50	0.29	0.0195	0.0574	42.99	1.691	15.116	3.1306	-0.00695	0.03644	-0.01986	-0.00222	0.01164	-0.00634	0.00074	0.00134	-0.00104
13576	1888.70	123.9	3.51	0.30	0.0256	0.0561	43.11	1.691	15.226	3.1328	-0.00473	0.03746	-0.01892	-0.00151	0.01196	-0.00604	0.00145	0.00165	-0.00074
13577	1888.99	123.4	3.51	0.29	0.0263	0.0527	43.24	1.691	15.355	3.1331	-0.00707	0.03501	-0.02006	-0.00226	0.01118	-0.00640	0.00070	0.00087	-0.00110
13578	1888.13	124.3	3.51	0.30	0.0284	0.0520	43.36	1.692	15.469	3.1307	-0.00659	0.03625	-0.02360	-0.00211	0.01158	-0.00754	0.00085	0.00128	-0.00224
13579	1886.83	124.5	3.50	0.29	0.0277	0.0544	43.49	1.692	15.601	3.1307	-0.00698	0.03317	-0.03050	-0.00223	0.01059	-0.00974	0.00073	0.00029	-0.00444
13580	1887.70	124.7	3.50	0.28	0.0226	0.0553	43.49	1.690	15.621	3.1306	-0.00703	0.03332	-0.02534	-0.00225	0.01064	-0.00809	0.00071	0.00034	-0.00279
13581	1886.54	124.6	3.50	0.29	0.0233	0.0576	43.62	1.691	15.738	3.1297	-0.00856	0.03353	-0.02651	-0.00273	0.01071	-0.00847	0.00023	0.00041	-0.00317
13582	1889.71	123.4	3.52	0.28	0.0215	0.0621	43.74	1.691	15.866	3.1349	-0.00926	0.03198	-0.02460	-0.00295	0.01020	-0.00785	0.00001	-0.00010	-0.00255
13583	1888.13	123.8	3.51	0.28	0.0229	0.0592	43.87	1.691	15.992	3.1322	-0.01020	0.03207	-0.02184	-0.00326	0.01024	-0.00697	-0.00030	-0.00006	-0.00167
13584	1887.55	124.3	3.50	0.28	0.0239	0.0617	43.99	1.691	16.113	3.1315	-0.01035	0.03241	-0.01707	-0.00330	0.01035	-0.00545	-0.00034	0.00005	-0.00115
13585	1889.28	123.5	3.52	0.28	0.0225	0.0636	43.99	1.691	16.114	3.1337	-0.00961	0.03258	-0.01697	-0.00307	0.01040	-0.00541	-0.00011	0.00009	-0.00011
13586	1888.56	124.1	3.51	0.28															

Table A23. Run 202.

Run = 202
M = 1.60
xspos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13615	1888.99	123.4	3.52	0.29	0.0239	0.0495	21.36	1.691	-6.517	3.1335	-0.01103	0.03347	-0.01913	-0.00352	0.01068	-0.00611	0.00010	-0.00004	-0.00014
13616	1888.42	124.0	3.51	0.29	0.0229	0.0499	21.49	1.691	-6.391	3.1323	-0.01094	0.03430	-0.01673	-0.00349	0.01095	-0.00534	0.00013	0.00023	0.00062
13617	1888.85	123.5	3.51	0.28	0.0215	0.0491	21.61	1.690	-6.258	3.1338	-0.01154	0.03310	-0.01962	-0.00368	0.01056	-0.00626	-0.00006	-0.00016	-0.00030
13618	1888.13	124.2	3.51	0.29	0.0267	0.0436	21.74	1.691	-6.147	3.1322	-0.01147	0.03268	-0.02077	-0.00366	0.01043	-0.00663	-0.00004	-0.00029	-0.00067
13619	1887.26	124.7	3.50	0.28	0.0253	0.0438	21.86	1.691	-6.014	3.1303	-0.01174	0.03441	-0.01712	-0.00375	0.01099	-0.00547	-0.00013	0.00027	0.00049
13620	1888.42	124.1	3.51	0.28	0.0239	0.0449	21.99	1.691	-5.887	3.1320	-0.00926	0.03454	-0.01598	-0.00296	0.01103	-0.00510	0.00066	0.00031	0.00086
13621	1888.70	123.6	3.51	0.29	0.0208	0.0515	22.11	1.691	-5.762	3.1335	-0.01103	0.03284	-0.01897	-0.00352	0.01048	-0.00606	0.00010	-0.00024	-0.00009
13622	1888.27	124.4	3.51	0.29	0.0257	0.0468	22.24	1.691	-5.641	3.1321	-0.01090	0.03515	-0.02166	-0.00348	0.01122	-0.00692	0.00014	0.00050	-0.00095
13623	1886.98	124.9	3.50	0.28	0.0212	0.0518	22.36	1.690	-5.505	3.1300	-0.00999	0.03441	-0.01726	-0.00319	0.01099	-0.00551	0.00043	0.00027	0.00045
13624	1889.14	123.9	3.51	0.28	0.0219	0.0521	22.49	1.691	-5.383	3.1338	-0.01091	0.03376	-0.01794	-0.00348	0.01077	-0.00572	0.00014	0.00005	0.00024
13625	1888.27	123.8	3.51	0.28	0.0222	0.0570	22.61	1.690	-5.256	3.1315	-0.00954	0.03529	-0.01651	-0.00305	0.01127	-0.00527	0.00058	0.00055	0.00069
13626	1887.98	124.5	3.50	0.28	0.0232	0.0613	22.74	1.691	-5.136	3.1316	-0.00950	0.03381	-0.01858	-0.00303	0.01080	-0.00593	0.00059	0.00007	0.00003
13627	1886.69	124.6	3.50	0.28	0.0233	0.0576	22.74	1.691	-5.139	3.1307	-0.01148	0.03511	-0.01802	-0.00367	0.01122	-0.00576	-0.00005	0.00049	0.00021
13628	1889.42	123.5	3.51	0.29	0.0229	0.0638	22.86	1.691	-5.019	3.1332	-0.00839	0.03482	-0.01789	-0.00268	0.01111	-0.00571	0.00094	0.00039	0.00025
13629	1888.56	124.1	3.51	0.29	0.0225	0.0646	22.99	1.691	-4.895	3.1317	-0.01022	0.03562	-0.01680	-0.00326	0.01138	-0.00536	0.00036	0.00065	0.00060
13630	1886.54	124.7	3.50	0.29	0.0205	0.0682	23.11	1.691	-4.761	3.1297	-0.01044	0.03363	-0.01694	-0.00334	0.01074	-0.00541	0.00029	0.00002	0.00055
13631	1889.28	123.4	3.52	0.28	0.0198	0.0714	23.24	1.690	-4.631	3.1334	-0.01018	0.03381	-0.01999	-0.00325	0.01079	-0.00638	0.00037	0.00007	-0.00042
13632	1888.27	123.9	3.51	0.29	0.0215	0.0687	23.36	1.691	-4.514	3.1309	-0.00855	0.03568	-0.01611	-0.00273	0.01139	-0.00515	0.00089	0.00067	0.00082
13633	1887.41	124.9	3.50	0.29	0.0226	0.0656	23.49	1.691	-4.393	3.1319	-0.01100	0.03276	-0.01939	-0.00351	0.01046	-0.00619	0.00011	-0.00026	-0.00023
13634	1886.54	124.6	3.50	0.30	0.0219	0.0596	23.61	1.692	-4.278	3.1293	-0.00817	0.03408	-0.01634	-0.00261	0.01089	-0.00522	0.00101	0.00017	0.00074
13635	1889.42	123.3	3.52	0.29	0.0225	0.0581	23.74	1.691	-4.141	3.1339	-0.00986	0.03476	-0.01739	-0.00315	0.01109	-0.00555	0.00047	0.00037	0.00041
13636	1888.13	123.8	3.51	0.30	0.0226	0.0478	23.87	1.692	-4.023	3.1307	-0.00932	0.03648	-0.01685	-0.00298	0.01165	-0.00538	0.00064	0.00093	0.00058
13637	1887.26	124.5	3.50	0.29	0.0212	0.0443	23.99	1.691	-3.889	3.1304	-0.00906	0.03434	-0.01849	-0.00289	0.01097	-0.00591	0.00073	0.00025	0.00006
13638	1886.26	124.1	3.50	0.29	0.0250	0.0390	24.11	1.691	-3.770	3.1290	-0.01068	0.03384	-0.01910	-0.00341	0.01081	-0.00610	0.00021	0.00009	-0.00014
13639	1889.57	123.2	3.52	0.29	0.0274	0.0374	24.24	1.691	-3.642	3.1338	-0.00899	0.03498	-0.01964	-0.00287	0.01116	-0.00627	0.00075	0.00044	-0.00031
13640	1888.27	123.9	3.51	0.29	0.0236	0.0465	24.36	1.691	-3.519	3.1324	-0.00914	0.03490	-0.01801	-0.00292	0.01114	-0.00575	0.00071	0.00042	0.00021
13641	1887.26	124.7	3.50	0.29	0.0253	0.0475	24.49	1.691	-3.394	3.1298	-0.00982	0.03616	-0.01846	-0.00314	0.01155	-0.00590	0.00048	0.00083	0.00006
13642	1886.69	124.3	3.50	0.29	0.0257	0.0487	24.61	1.691	-3.272	3.1288	-0.00879	0.03699	-0.01676	-0.00281	0.01182	-0.00536	0.00081	0.00110	0.00060
13643	1889.28	123.2	3.52	0.29	0.0232	0.0519	24.74	1.691	-3.141	3.1338	-0.00969	0.03730	-0.01622	-0.00309	0.01190	-0.00518	0.00053	0.00118	0.00078
13644	1888.13	124.0	3.51	0.30	0.0263	0.0499	24.87	1.692	-3.029	3.1325	-0.01054	0.03748	-0.01989	-0.00336	0.01196	-0.00635	0.00026	0.00124	-0.00039
13645	1889.14	123.4	3.52	0.30	0.0236	0.0521	24.99	1.691	-2.898	3.1344	-0.00828	0.03494	-0.02139	-0.00264	0.01115	-0.00682	0.00098	0.00042	-0.00086
13646	1887.84	124.2	3.51	0.30	0.0236	0.0466	25.11	1.691	-2.773	3.1309	-0.00843	0.03449	-0.01833	-0.00269	0.01102	-0.00585	0.00093	0.00029	0.00011
13647	1886.98	124.7	3.50	0.29	0.0205	0.0495	25.24	1.691	-2.639	3.1304	-0.01002	0.03228	-0.01972	-0.00320	0.01031	-0.00630	0.00042	-0.00041	-0.00034
13648	1887.55	124.3	3.50	0.30	0.0195	0.0536	25.37	1.691	-2.522	3.1304	-0.00914	0.03279	-0.01688	-0.00292	0.01047	-0.00539	0.00070	0.00025	0.00057
13649	1886.98	124.8	3.50	0.30	0.0188	0.0579	25.49	1.691	-2.391	3.1308	-0.01230	0.03354	-0.02028	-0.00393	0.01071	-0.00648	-0.00031	-0.00001	-0.00052
13650	1889.57	123.7	3.51	0.30	0.0208	0.0618	25.61	1.692	-2.275	3.1346	-0.01107	0.03792	-0.01632	-0.00353	0.01210	-0.00521	0.00009	0.00137	0.00075
13651	1888.42	123.5	3.51	0.29	0.0164	0.0640	25.74	1.691	-2.136	3.1329	-0.00963	0.04063	-0.01755	-0.00307	0.01297	-0.00560	0.00055	0.00224	0.00036
13652	1887.84	124.4	3.51	0.30	0.0178	0.0620	25.86	1.691	-2.017	3.1307	-0.00461	0.04074	-0.01580	-0.00147	0.01301	-0.00505	0.00215	0.00229	0.00091
13653	1886.69	124.7	3.50	0.30	0.0205	0.0589	25.99	1.691	-1.898	3.1300	-0.00355	0.03956	-0.01453	-0.00113	0.01264	-0.00464	0.00249	0.00192	0.00132
13654	1889.42	123.4	3.52	0.31	0.0222	0.0560	26.11	1.692	-1.786	3.1346	-0.00417	0.03833	-0.01530	-0.00133	0.01223	-0.00488	0.00229	0.00150	0.00108
13655	1888.56	123.4	3.51	0.32	0.0229	0.0573	26.24	1.692	-1.663	3.1313	-0.00271	0.03724	-0.01158	-0.00086	0.01189	-0.00370	0.00276	0.00117	0.00226
13656	1887.84	124.3	3.51	0.31	0.0188	0.0598	26.36	1.692	-1.531	3.1323	-0.00864	0.03125	-0.02030	-0.00276	0.00998	-0.00648	0.00086	-0.00075	-0.00052
13657	1886.69	124.4	3.50	0.31	0.0181	0.0529	26.49	1.692	-1.406	3.1291	-0.00825	0.03002	-0.01849	-0.00264	0.00959	-0.00591	0.00099	-0.00113	0.00005
13658	1889.28	123.5	3.52	0.31	0.0184	0.0577	26.61	1.692	-1.277	3.1337	-0.01223	0.03091	-0.01962	-0.00390	0.00986	-0.00626	-0.00028	-0.00086	-0.00030
13659	1888.70	123.8	3.51	0.31	0.0195	0.0601	26.74	1.692	-1.158	3.1319	-0.01282	0.03659	-0.01728	-0.00409	0.01168	-0.00552	-0.00047	0.00096	0.00045
13660	1887.41	124.6	3.50	0.31	0.0174	0.0553	26.86	1.692	-1.027	3.1306	-0.01041	0.04290	-0.01551	-0.00332	0.01370	-0.00495	0.00030	0.00298	0.00101
13661	1886.83	124.5	3.50	0.31	0.0184	0.0596	26.99	1.692	-0.904	3.1296	-0.00606	0.04502	-0.01134	-0.00194	0.01439	-0.00362	0.00168	0.00366	0.00234
13662	1889.42	123.4	3.52	0.31	0.0174	0.0589	27.11	1.691	-0.774	3.1336	-0.00293	0.04537	-0.00967	-0.00093	0.01448	-0.00309	0.00269	0.00375	0.00287
13663	1888.27	123.8	3.51	0.33	0.0208	0.0581	27.24	1.693	-0.670	3.1328	-0.00134	0.04214	-0.01111	-0.00043	0.01345	-0.00355	0.00319	0.00273	0.00242
13664	1889.28	123.4	3.52	0.31	0.0198	0.0603	27.36	1.692	-0.532	3.1342	-0.00157	0.03786	-0.01237	-0.00050	0.01208	-0.00395	0.00312	0.00136	0.00201
13665	1888.56	124.0	3.51	0.32	0.0212	0.0564	27.49	1.692	-0.413	3.1327	-0.00561	0.03660	-0.01493	-0.00179	0.01168	-0.00477	0.00183	0.00096	0.00119
13666	1886.98	124.6	3.50	0.32	0.0205	0.0589	27.61	1.693	-0.292	3.1302	-0.00713	0.03224	-0.01937	-0.00228	0.01030	-0.00619	0.00134	-0.00042	-0.00023
13667	1886.54	124.2	3.50	0.32	0.0219	0.0512	27.74	1.693	-0.167	3.1293	-0.00909	0.03219	-0.01940	-0.00290	0.01029	-0.00620	0.00072	-0.00044	-0.00024
13668	1889.14	123.4	3.52	0.32	0.0205	0.0532	27.86	1.692	-0.043										

Table A23. Continued.

Run = 202

M = 1.60

xsppos = 42.352

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13688	1887.98	124.6	3.50	0.30	0.0229	0.0611	30.11	1.692	2.227	3.1310	-0.00097	0.04384	-0.01330	-0.00031	0.01400	-0.00425	0.00331	0.00328	0.00172
13689	1886.69	124.7	3.50	0.29	0.0222	0.0598	30.24	1.691	2.356	3.1293	0.00032	0.04403	-0.01114	0.00010	0.01407	-0.00356	0.00372	0.00335	0.00240
13690	1889.57	123.6	3.51	0.30	0.0201	0.0586	30.36	1.692	2.476	3.1340	-0.00226	0.04319	-0.00612	-0.00072	0.01378	-0.00195	0.00290	0.00306	0.00401
13691	1888.99	123.7	3.51	0.30	0.0253	0.0549	30.49	1.692	2.598	3.1324	-0.00042	0.04477	-0.00398	-0.00013	0.01429	-0.00127	0.00349	0.00357	0.00469
13692	1887.84	124.4	3.50	0.30	0.0219	0.0577	30.62	1.692	2.727	3.1308	-0.00198	0.04355	-0.00367	-0.00063	0.01391	-0.00117	0.00299	0.00319	0.00479
13693	1886.83	124.8	3.50	0.31	0.0209	0.0609	30.74	1.692	2.847	3.1299	-0.00089	0.04225	-0.00471	-0.00028	0.01350	-0.00150	0.00334	0.00277	0.00446
13694	1889.28	123.6	3.51	0.30	0.0225	0.0590	30.86	1.692	2.972	3.1333	-0.00196	0.04410	-0.00392	-0.00062	0.01407	-0.00125	0.00300	0.00335	0.00471
13695	1887.12	124.7	3.50	0.30	0.0212	0.0546	30.86	1.692	2.977	3.1302	-0.00142	0.04273	-0.00482	-0.00045	0.01365	-0.00154	0.00317	0.00293	0.00442
13696	1888.56	124.1	3.51	0.30	0.0243	0.0628	30.99	1.692	3.100	3.1347	-0.00193	0.04180	-0.00993	-0.00062	0.01334	-0.00317	0.00300	0.00261	0.00279
13697	1888.56	123.7	3.51	0.30	0.0222	0.0579	31.11	1.691	3.228	3.1333	-0.00261	0.04414	-0.00631	-0.00083	0.01409	-0.00201	0.00279	0.00336	0.00395
13698	1888.27	124.4	3.51	0.30	0.0232	0.0519	31.24	1.692	3.348	3.1324	-0.00301	0.04545	-0.00534	-0.00096	0.01451	-0.00170	0.00266	0.00379	0.00426
13699	1887.12	124.8	3.50	0.30	0.0229	0.0537	31.37	1.692	3.476	3.1294	-0.00096	0.04670	-0.00674	-0.00031	0.01492	-0.00215	0.00331	0.00420	0.00381
13700	1889.57	124.0	3.51	0.31	0.0260	0.0534	31.49	1.692	3.592	3.1330	-0.00005	0.04462	-0.00897	-0.00002	0.01423	-0.00286	0.00361	0.00351	0.00310
13701	1886.98	124.9	3.50	0.31	0.0243	0.0544	31.61	1.692	3.720	3.1288	0.00118	0.04717	-0.00651	0.00038	0.01508	-0.00208	0.00400	0.00435	0.00388
13702	1888.13	124.1	3.51	0.31	0.0236	0.0596	31.74	1.692	3.846	3.1328	0.00135	0.04628	-0.00603	0.00043	0.01477	-0.00192	0.00405	0.00405	0.00404
13703	1889.14	123.6	3.51	0.30	0.0266	0.0650	31.86	1.692	3.972	3.1333	0.00058	0.04550	-0.00848	0.00018	0.01452	-0.00271	0.00381	0.00380	0.00326
13704	1889.86	123.7	3.51	0.30	0.0242	0.0636	31.99	1.692	4.101	3.1347	0.00087	0.04322	-0.00719	0.00028	0.01379	-0.00229	0.00390	0.00306	0.00367
13705	1888.70	123.9	3.51	0.29	0.0249	0.0585	32.11	1.691	4.230	3.1326	0.00054	0.04387	-0.00786	0.00017	0.01401	-0.00251	0.00379	0.00328	0.00345
13706	1887.70	124.9	3.50	0.31	0.0270	0.0522	32.24	1.692	4.341	3.1307	-0.00201	0.04557	-0.00455	-0.00064	0.01456	-0.00145	0.00298	0.00383	0.00451
13707	1886.69	125.1	3.50	0.29	0.0257	0.0440	32.37	1.691	4.484	3.1290	-0.00279	0.04683	-0.00505	-0.00089	0.01497	-0.00162	0.00273	0.00424	0.00435
13708	1889.14	123.8	3.51	0.29	0.0267	0.0445	32.49	1.691	4.605	3.1340	0.00077	0.04861	-0.00529	0.00024	0.01551	-0.00169	0.00387	0.00479	0.00427
13709	1889.28	123.3	3.52	0.31	0.0239	0.0532	32.61	1.692	4.720	3.1331	-0.00235	0.05042	-0.00488	0.00075	0.01609	-0.00156	0.00437	0.00537	0.00440
13710	1888.27	123.9	3.51	0.29	0.0267	0.0538	32.74	1.691	4.854	3.1323	0.00416	0.04857	-0.00527	0.00133	0.01551	-0.00168	0.00495	0.00478	0.00428
13711	1887.12	124.7	3.50	0.30	0.0253	0.0587	32.86	1.692	4.976	3.1299	0.00540	0.04926	-0.00556	0.00172	0.01574	-0.00178	0.00535	0.00502	0.00419
13712	1886.40	124.5	3.50	0.30	0.0243	0.0554	32.99	1.692	5.099	3.1308	0.00302	0.04359	-0.00729	0.00096	0.01392	-0.00233	0.00459	0.00320	0.00363
13713	1889.42	123.4	3.52	0.31	0.0267	0.0482	33.11	1.692	5.217	3.1336	0.00223	0.04635	-0.00250	0.00071	0.01479	-0.00080	0.00433	0.00407	0.00516
13714	1888.42	124.0	3.51	0.32	0.0308	0.0403	33.24	1.693	5.329	3.1322	0.00216	0.04557	-0.00452	0.00069	0.01455	-0.00144	0.00431	0.00382	0.00452
13715	1887.26	124.6	3.50	0.30	0.0250	0.0501	33.36	1.691	5.478	3.1301	0.00174	0.04577	-0.00477	0.00056	0.01462	-0.00152	0.00418	0.00390	0.00444
13716	1887.41	124.1	3.51	0.29	0.0260	0.0526	33.49	1.691	5.604	3.1317	0.00099	0.04411	-0.00517	0.00032	0.01409	-0.00165	0.00394	0.00336	0.00431
13717	1888.42	123.5	3.51	0.28	0.0236	0.0521	33.61	1.691	5.738	3.1323	-0.00047	0.04399	-0.00230	-0.00015	0.01404	-0.00074	0.00347	0.00332	0.00523
13718	1889.28	123.4	3.52	0.29	0.0256	0.0579	33.74	1.691	5.855	3.1334	0.00201	0.04557	-0.00123	0.00064	0.01454	-0.00039	0.00426	0.00382	0.00557
13719	1888.56	123.8	3.51	0.27	0.0219	0.0568	33.86	1.690	6.001	3.1324	0.00053	0.04668	0.00095	0.00017	0.01490	0.00030	0.00379	0.00418	0.00626
13720	1887.55	124.7	3.50	0.28	0.0257	0.0561	33.99	1.691	6.113	3.1304	0.00051	0.04883	-0.00186	0.00016	0.01560	-0.00059	0.00378	0.00488	0.00537
13721	1886.83	124.5	3.50	0.28	0.0215	0.0566	34.11	1.691	6.241	3.1292	0.00411	0.04944	0.00002	0.00131	0.01580	0.00001	0.00493	0.00508	0.00597
13722	1889.28	123.5	3.51	0.28	0.0236	0.0530	34.24	1.691	6.366	3.1339	0.00336	0.04940	-0.00173	0.00107	0.01576	-0.00055	0.00469	0.00504	0.00541
13723	1888.13	124.0	3.51	0.28	0.0243	0.0535	34.36	1.691	6.488	3.1318	0.00465	0.05088	-0.00366	0.00149	0.01625	-0.00117	0.00511	0.00552	0.00479
13724	1887.41	124.8	3.50	0.29	0.0226	0.0591	34.49	1.691	6.606	3.1312	0.00488	0.05126	-0.00398	0.00156	0.01637	-0.00127	0.00518	0.00565	0.00469
13725	1886.26	124.6	3.50	0.29	0.0209	0.0637	34.61	1.691	6.734	3.1294	0.00496	0.05104	-0.00321	0.00158	0.01631	-0.00102	0.00521	0.00559	0.00494
13726	1889.42	123.6	3.51	0.29	0.0201	0.0679	34.74	1.691	6.862	3.1337	0.00552	0.05311	-0.00081	0.00176	0.01695	-0.00026	0.00538	0.00622	0.00570
13727	1888.42	124.3	3.51	0.28	0.0222	0.0616	34.86	1.691	6.990	3.1325	0.00705	0.05116	-0.00414	0.00225	0.01633	-0.00132	0.00587	0.00561	0.00464
13728	1887.55	124.9	3.50	0.28	0.0198	0.0641	34.99	1.691	7.118	3.1321	0.00625	0.04945	-0.00306	0.00200	0.01579	-0.00098	0.00562	0.00506	0.00499
13729	1886.40	124.5	3.50	0.28	0.0174	0.0637	35.11	1.690	7.245	3.1297	0.00551	0.05001	-0.00188	0.00176	0.01598	-0.00060	0.00538	0.00526	0.00536
13730	1888.85	123.4	3.51	0.28	0.0191	0.0580	35.24	1.690	7.375	3.1327	0.00698	0.05260	0.00163	0.00223	0.01679	0.00052	0.00585	0.00607	0.00648
13731	1887.98	124.2	3.51	0.28	0.0157	0.0636	35.36	1.690	7.498	3.1303	0.00591	0.05189	0.00310	0.00189	0.01658	0.00099	0.00551	0.00585	0.00695
13732	1886.83	124.7	3.50	0.28	0.0157	0.0655	35.49	1.690	7.627	3.1301	0.00585	0.04790	0.00176	0.00187	0.01530	0.00056	0.00549	0.00458	0.00653
13733	1888.99	123.9	3.51	0.27	0.0177	0.0629	35.61	1.690	7.748	3.1336	0.00545	0.04663	0.00070	0.00174	0.01488	0.00022	0.00536	0.00416	0.00618
13734	1888.42	123.9	3.51	0.27	0.0150	0.0688	35.74	1.690	7.878	3.1305	0.00483	0.04213	-0.00130	0.00154	0.01345	-0.00041	0.00516	0.00272	0.00555
13735	1887.12	124.9	3.50	0.28	0.0171	0.0672	35.86	1.690	7.995	3.1305	0.00079	0.04002	0.00021	0.00025	0.01278	0.00007	0.00387	0.00206	0.00603
13736	1889.14	123.8	3.51	0.28	0.0146	0.0695	35.99	1.690	8.122	3.1335	-0.00150	0.03829	0.00248	-0.00048	0.01222	0.00079	0.00314	0.00150	0.00675
13737	1889.14	123.8	3.51	0.28	0.0167	0.0679	36.11	1.690	8.248	3.1333	-0.00305	0.03685	-0.00004	-0.00097	0.01176	-0.00001	0.00265	0.00104	0.00595
13738	1888.27	124.6	3.50	0.30	0.0184	0.0717	36.24	1.691	8.358	3.1325	-0.00479	0.03631	0.00109	-0.00153	0.01159	0.00035	0.00209	0.00087	0.00631
13739	1886.98	124.9	3.50	0.28	0.0143	0.0685	36.37	1.690	8.501	3.1298	-0.00817	0.03362	-0.01975	-0.00261	0.01074	-0.00631	0.00101	0.00002	-0.00035
13740	1886.54	124.4	3.50	0.30	0.0160	0.0704	36.49	1.691	8.611	3.1301	-0.00985	0.03013	-0.02034	-0.00315	0.00962	-0.00650	0.00048	-0.00110	-0.00054
13746</																			

Table A23. Concluded.

Run = 202
M = 1.60
xspos = 42.349

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xhbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13766	1888.85	123.9	3.51	0.29	0.0260	0.0497	39.11	1.691	11.230	3.1344	-0.02588	0.01316	-0.06092	-0.00826	0.00420	-0.01944	-0.00463	-0.00652	-0.01348
13767	1888.70	123.5	3.51	0.29	0.0246	0.0573	39.24	1.691	11.355	3.1328	-0.02246	0.01805	-0.06080	-0.00717	0.00576	-0.01941	-0.00355	-0.00496	-0.01344
13768	1888.56	123.9	3.51	0.28	0.0239	0.0635	39.36	1.691	11.488	3.1322	-0.02116	0.01939	-0.06209	-0.00676	0.00619	-0.01982	-0.00313	-0.00453	-0.01386
13769	1887.26	124.5	3.50	0.30	0.0281	0.0518	39.49	1.692	11.595	3.1303	-0.01852	0.02048	-0.06222	-0.00592	0.00654	-0.01988	-0.00229	-0.00418	-0.01392
13770	1887.41	124.1	3.51	0.29	0.0260	0.0600	39.61	1.691	11.729	3.1317	-0.01509	0.02336	-0.06205	-0.00482	0.00746	-0.01981	-0.00120	-0.00326	-0.01385
13771	1888.42	123.6	3.51	0.28	0.0267	0.0604	39.74	1.691	11.862	3.1325	-0.01503	0.02712	-0.06007	-0.00480	0.00866	-0.01918	-0.00118	-0.00207	-0.01322
13772	1888.42	124.4	3.51	0.28	0.0253	0.0512	39.86	1.691	11.989	3.1321	-0.01382	0.03174	-0.05705	-0.00441	0.01013	-0.01821	-0.00079	-0.00059	-0.01225
13773	1887.26	124.8	3.50	0.28	0.0287	0.0550	39.99	1.691	12.108	3.1304	-0.01361	0.03275	-0.05595	-0.00435	0.01046	-0.01787	-0.00072	-0.00026	-0.01191
13774	1887.70	124.1	3.51	0.29	0.0281	0.0565	40.11	1.691	12.228	3.1326	-0.01246	0.03253	-0.05431	-0.00398	0.01038	-0.01734	-0.00036	-0.00034	-0.01138
13775	1888.56	123.7	3.51	0.30	0.0263	0.0611	40.24	1.692	12.350	3.1320	-0.01103	0.03259	-0.04825	-0.00352	0.01041	-0.01541	0.00010	-0.00032	-0.00944
13776	1888.13	124.3	3.51	0.29	0.0239	0.0654	40.36	1.691	12.484	3.1318	-0.01178	0.03180	-0.05106	-0.00376	0.01015	-0.01630	-0.00014	-0.00057	-0.01034
13777	1889.42	123.8	3.51	0.29	0.0239	0.0644	40.49	1.691	12.605	3.1340	-0.01030	0.02943	-0.04951	-0.00329	0.00939	-0.01580	0.00034	-0.00133	-0.00984
13778	1888.70	123.7	3.51	0.28	0.0232	0.0659	40.61	1.691	12.739	3.1333	-0.01126	0.02788	-0.05041	-0.00359	0.00890	-0.01609	0.00003	-0.00182	-0.01013
13779	1887.70	124.3	3.51	0.28	0.0253	0.0596	40.74	1.691	12.860	3.1320	-0.01288	0.02613	-0.05022	-0.00411	0.00834	-0.01603	-0.00049	-0.00238	-0.01007
13780	1886.98	124.6	3.50	0.29	0.0250	0.0632	40.86	1.691	12.983	3.1296	-0.01158	0.02738	-0.04859	-0.00370	0.00875	-0.01552	-0.00008	-0.00198	-0.00956
13781	1889.14	123.9	3.51	0.28	0.0260	0.0572	40.99	1.691	13.113	3.1345	-0.01636	0.02321	-0.04864	-0.00522	0.00740	-0.01552	-0.00160	-0.00332	-0.00956
13782	1888.56	123.8	3.51	0.28	0.0232	0.0603	41.11	1.691	13.238	3.1332	-0.01788	0.02234	-0.04770	-0.00571	0.00713	-0.01523	-0.00208	-0.00359	-0.00926
13783	1887.84	124.5	3.50	0.29	0.0260	0.0591	41.24	1.691	13.356	3.1310	-0.01622	0.02193	-0.04586	-0.00518	0.00700	-0.01465	-0.00156	-0.00372	-0.00869
13784	1886.98	124.8	3.50	0.28	0.0274	0.0589	41.36	1.691	13.489	3.1307	-0.01703	0.02116	-0.04928	-0.00558	0.00676	-0.01574	-0.00196	-0.00397	-0.00978
13785	1889.28	123.9	3.51	0.28	0.0246	0.0583	41.49	1.691	13.612	3.1334	-0.01812	0.02690	-0.04630	-0.00578	0.00859	-0.01478	-0.00216	-0.00214	-0.00882
13786	1888.42	123.9	3.51	0.27	0.0239	0.0635	41.61	1.690	13.744	3.1313	-0.01427	0.03052	-0.04387	-0.00456	0.00975	-0.01401	-0.00093	-0.00098	-0.00805
13787	1887.98	124.8	3.50	0.28	0.0250	0.0576	41.74	1.691	13.862	3.1318	-0.01188	0.03227	-0.04630	-0.00379	0.01030	-0.01478	-0.00017	-0.00042	-0.00882
13788	1887.12	124.7	3.50	0.29	0.0270	0.0578	41.86	1.691	13.982	3.1299	-0.01047	0.03169	-0.04568	-0.00335	0.01013	-0.01459	0.00028	-0.00060	-0.00863
13789	1886.69	124.3	3.50	0.29	0.0253	0.0578	41.99	1.691	14.106	3.1299	-0.00931	0.03114	-0.04627	-0.00298	0.00995	-0.01478	0.00065	-0.00077	-0.00882
13790	1888.56	123.8	3.51	0.30	0.0253	0.0540	42.11	1.691	14.225	3.1329	-0.01273	0.02648	-0.04667	-0.00406	0.00845	-0.01490	-0.00044	-0.00227	-0.00894
13791	1887.84	124.5	3.50	0.29	0.0232	0.0566	42.24	1.691	14.354	3.1308	-0.01343	0.02617	-0.04785	-0.00429	0.00836	-0.01528	-0.00067	-0.00237	-0.00932
13792	1887.26	124.9	3.50	0.29	0.0226	0.0516	42.36	1.691	14.481	3.1298	-0.01703	0.02459	-0.04833	-0.00544	0.00786	-0.01544	-0.00182	-0.00287	-0.00948
13793	1889.28	123.9	3.51	0.29	0.0246	0.0527	42.49	1.691	14.602	3.1350	-0.01799	0.02415	-0.05083	-0.00574	0.00770	-0.01621	-0.00212	-0.00302	-0.01025
13794	1888.85	123.6	3.51	0.30	0.0239	0.0551	42.61	1.691	14.726	3.1327	-0.01685	0.03218	-0.04780	-0.00538	0.01027	-0.01526	-0.00176	-0.00045	-0.00930
13795	1887.98	124.2	3.51	0.29	0.0260	0.0525	42.74	1.691	14.856	3.1327	-0.01420	0.03335	-0.04583	-0.00453	0.01065	-0.01463	-0.00091	-0.00008	-0.00867
13796	1888.70	123.8	3.51	0.28	0.0239	0.0598	42.86	1.691	14.990	3.1323	-0.00847	0.03686	-0.04214	-0.00270	0.01177	-0.01345	0.00092	0.00104	-0.00749
13797	1888.13	124.4	3.51	0.29	0.0243	0.0581	42.99	1.691	15.110	3.1318	-0.00737	0.03642	-0.04134	-0.00235	0.01163	-0.01320	0.00127	0.00091	-0.00724
13798	1886.98	124.9	3.50	0.28	0.0239	0.0626	43.12	1.691	15.240	3.1312	-0.00744	0.03525	-0.04386	-0.00238	0.01126	-0.01401	0.00125	0.00053	-0.00805
13799	1888.85	124.0	3.51	0.27	0.0249	0.0575	43.24	1.690	15.367	3.1336	-0.00758	0.03600	-0.04758	-0.00242	0.01149	-0.01518	0.00120	0.00076	-0.00922
13800	1888.56	123.7	3.51	0.27	0.0236	0.0559	43.36	1.690	15.497	3.1316	-0.00686	0.03644	-0.04752	-0.00219	0.01164	-0.01517	0.00143	0.00091	-0.00921
13801	1887.98	124.4	3.51	0.28	0.0263	0.0537	43.49	1.691	15.614	3.1311	-0.00778	0.03577	-0.04923	-0.00248	0.01142	-0.01572	0.00114	0.00070	-0.00976
13802	1887.12	124.9	3.50	0.28	0.0257	0.0524	43.61	1.691	15.734	3.1313	-0.00801	0.03261	-0.04976	-0.00256	0.01041	-0.01589	0.00106	-0.00031	-0.00993
13803	1887.98	124.2	3.51	0.29	0.0208	0.0581	43.74	1.691	15.863	3.1324	-0.00900	0.03422	-0.04412	-0.00287	0.01092	-0.01408	0.00075	0.00020	-0.00812
13804	1888.99	123.7	3.51	0.28	0.0201	0.0642	43.86	1.690	15.991	3.1339	-0.00951	0.03304	-0.04408	-0.00304	0.01054	-0.01407	0.00059	-0.00018	-0.00810
13805	1888.27	124.4	3.51	0.28	0.0229	0.0601	43.99	1.691	16.113	3.1319	-0.01081	0.03436	-0.04022	-0.00345	0.01097	-0.01284	0.00017	0.00025	-0.00688
13806	1887.12	124.6	3.50	0.29	0.0236	0.0606	44.12	1.691	16.237	3.1295	-0.00926	0.03382	-0.03684	-0.00296	0.01081	-0.01177	0.00066	0.00008	-0.00581
13807	1888.85	123.9	3.51	0.28	0.0229	0.0592	44.24	1.691	16.363	3.1343	-0.01158	0.03246	-0.03724	-0.00369	0.01036	-0.01188	-0.00007	-0.00037	-0.00592
13808	1887.12	124.8	3.50	0.29	0.0233	0.0594	44.36	1.691	16.481	3.1313	-0.01208	0.03164	-0.03891	-0.00386	0.01010	-0.01243	-0.00024	-0.00062	-0.00647
13809	1887.12	124.3	3.50	0.29	0.0270	0.0578	44.49	1.691	16.604	3.1306	-0.00887	0.03346	-0.03742	-0.00283	0.01069	-0.01195	0.00079	-0.00004	-0.00599
13810	1888.56	123.6	3.51	0.29	0.0208	0.0618	44.61	1.691	16.734	3.1321	-0.01036	0.03368	-0.03707	-0.00331	0.01075	-0.01184	0.00031	0.00003	-0.00587
13811	1887.98	124.3	3.51	0.31	0.0239	0.0579	44.74	1.692	16.847	3.1317	-0.00958	0.03312	-0.03886	-0.00306	0.01058	-0.01241	0.00056	-0.00015	-0.00645
13812	1887.12	124.7	3.50	0.29	0.0215	0.0557	44.86	1.691	16.983	3.1301	-0.01016	0.03350	-0.03868	-0.00325	0.01070	-0.01236	0.00038	-0.00002	-0.00640
13813	1887.55	124.6	3.50	0.29	0.0215	0.0585	44.99	1.691	17.113	3.1317	-0.01144	0.03266	-0.03982	-0.00365	0.01043	-0.01271	-0.00003	-0.00030	-0.00675
13814	1886.98	124.8	3.50	0.28	0.0219	0.0540	45.11	1.691	17.241	3.1303	-0.00968	0.03365	-0.04006	-0.00309	0.01075	-0.01280	0.00053	0.00003	-0.00684
13815	1888.70	123.6	3.51	0.29	0.0226	0.0553	45.24	1.691	17.361	3.1326	-0.01051	0.03407	-0.03841	-0.00336	0.01088	-0.01226	0.00027	0.00015	-0.00630
13816	1887.84	124.3	3.51	0.29	0.0226	0.0507	45.36	1.691	17.481	3.1313	-0.01044	0.03415	-0.03921	-0.00333	0.01091	-0.01252	0.00029	0.00018	-0.00656
13817	1887.26	124.6	3.50	0.29	0.0215	0.0566	45.49	1.691	17.610	3.1308	-0.01059	0.03370	-0.03865	-0.00338	0.01076	-0.01234	0.00024	0.00004	-0.00638
13818	1888.99	123.8	3.51	0.29	0.0201	0.0595	45.61	1.691	17.737	3.1332	-0.01087	0.03437	-0.03805	-0.00347	0.01097	-0.01215	0.00015	0.00025	-0.00618

Table A24. Run 203.

Run = 203
M = 1.60
xspos = 42.352

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13819	1887.98	124.9	3.50	0.28	0.0226	0.0525	21.36	1.691	-6.508	3.1321	-0.01137	0.03333	-0.04169	-0.00363	0.01064	-0.01331	-0.00006	-0.00002	-0.00014
13820	1886.83	125.2	3.50	0.29	0.0205	0.0495	21.49	1.691	-6.385	3.1303	-0.01075	0.03330	-0.04004	-0.00343	0.01064	-0.01279	0.00013	-0.00002	0.00038
13821	1888.42	124.1	3.51	0.29	0.0246	0.0480	21.61	1.691	-6.269	3.1323	-0.01073	0.03382	-0.04058	-0.00342	0.01080	-0.01296	0.00014	0.00014	0.00021
13822	1887.26	124.6	3.50	0.29	0.0226	0.0497	21.74	1.691	-6.139	3.1308	-0.01154	0.03395	-0.04217	-0.00368	0.01084	-0.01347	-0.00012	0.00018	-0.00030
13823	1887.55	124.1	3.51	0.28	0.0181	0.0473	21.86	1.690	-6.000	3.1328	-0.01149	0.03254	-0.04168	-0.00367	0.01039	-0.01330	-0.00010	-0.00028	-0.00014
13824	1888.56	123.8	3.51	0.29	0.0229	0.0434	21.99	1.691	-5.890	3.1325	-0.00988	0.03327	-0.04089	-0.00316	0.01062	-0.01305	0.00041	-0.00004	0.00011
13825	1888.13	124.6	3.50	0.29	0.0233	0.0482	22.11	1.691	-5.765	3.1314	-0.00886	0.03486	-0.03998	-0.00283	0.01113	-0.01277	0.00074	0.00047	0.00040
13826	1886.83	125.0	3.50	0.29	0.0250	0.0455	22.24	1.691	-5.641	3.1304	-0.00950	0.03362	-0.04009	-0.00304	0.01074	-0.01281	0.00053	0.00008	0.00036
13827	1888.27	124.1	3.51	0.30	0.0222	0.0542	22.36	1.691	-5.520	3.1329	-0.01005	0.03331	-0.04017	-0.00321	0.01063	-0.01282	0.00036	-0.00003	0.00034
13828	1888.42	124.1	3.51	0.28	0.0212	0.0527	22.49	1.691	-5.382	3.1317	-0.00968	0.03477	-0.04082	-0.00309	0.01110	-0.01303	0.00048	0.00044	0.00013
13829	1887.26	124.8	3.50	0.30	0.0226	0.0581	22.62	1.691	-5.271	3.1314	-0.01049	0.03218	-0.04309	-0.00335	0.01028	-0.01376	0.00022	-0.00039	-0.00059
13830	1888.56	124.1	3.51	0.30	0.0212	0.0629	22.74	1.691	-5.141	3.1324	-0.00887	0.03430	-0.04056	-0.00283	0.01095	-0.01295	0.00074	0.00029	0.00022
13831	1887.41	124.7	3.50	0.29	0.0215	0.0631	22.87	1.691	-5.016	3.1300	-0.00901	0.03418	-0.04077	-0.00288	0.01092	-0.01303	0.00069	0.00026	0.00014
13832	1886.54	124.3	3.50	0.30	0.0233	0.0613	22.99	1.691	-4.898	3.1299	-0.00969	0.03413	-0.04123	-0.00309	0.01091	-0.01317	0.00047	0.00024	-0.00001
13833	1889.14	123.6	3.51	0.29	0.0232	0.0705	23.11	1.691	-4.766	3.1329	-0.00833	0.03468	-0.04197	-0.00266	0.01107	-0.01340	0.00091	0.00041	-0.00023
13834	1888.13	124.4	3.51	0.29	0.0212	0.0685	23.24	1.691	-4.635	3.1320	-0.01040	0.03448	-0.04120	-0.00332	0.01101	-0.01315	0.00025	0.00035	0.00001
13835	1887.26	125.0	3.50	0.30	0.0219	0.0671	23.36	1.691	-4.521	3.1317	-0.01092	0.03286	-0.04295	-0.00349	0.01049	-0.01372	0.00008	-0.00017	-0.00055
13836	1886.83	124.3	3.50	0.30	0.0198	0.0650	23.49	1.691	-4.399	3.1301	-0.01068	0.03477	-0.04074	-0.00341	0.01111	-0.01302	0.00016	0.00045	0.00015
13837	1888.99	123.5	3.51	0.29	0.0222	0.0607	23.61	1.691	-4.268	3.1340	-0.01104	0.03309	-0.04232	-0.00352	0.01056	-0.01350	0.00004	-0.00010	-0.00034
13838	1888.27	124.0	3.51	0.30	0.0222	0.0532	23.74	1.691	-4.146	3.1321	-0.00991	0.03403	-0.04060	-0.00316	0.01087	-0.01296	0.00040	0.00020	0.00020
13839	1887.55	124.7	3.50	0.29	0.0257	0.0486	23.86	1.691	-4.016	3.1303	-0.00806	0.03447	-0.04062	-0.00257	0.01101	-0.01298	0.00099	0.00035	0.00019
13840	1886.54	124.5	3.50	0.30	0.0267	0.0418	23.99	1.692	-3.903	3.1299	-0.01129	0.03319	-0.04020	-0.00361	0.01060	-0.01284	-0.00004	-0.00006	0.00032
13841	1888.85	123.8	3.51	0.29	0.0250	0.0426	24.11	1.691	-3.772	3.1327	-0.01084	0.03398	-0.04038	-0.00346	0.01085	-0.01289	0.00011	0.00019	0.00028
13842	1887.98	124.4	3.51	0.29	0.0243	0.0423	24.24	1.691	-3.646	3.1316	-0.00885	0.03332	-0.04023	-0.00283	0.01064	-0.01285	0.00074	-0.00002	0.00032
13843	1887.41	124.9	3.50	0.29	0.0243	0.0451	24.37	1.691	-3.520	3.1301	-0.00942	0.03388	-0.04141	-0.00301	0.01082	-0.01323	0.00056	0.00016	-0.00006
13844	1886.54	124.6	3.50	0.30	0.0236	0.0401	24.49	1.691	-3.398	3.1293	-0.01103	0.03435	-0.03955	-0.00353	0.01098	-0.01264	0.00004	0.00031	0.00053
13845	1889.28	123.5	3.52	0.30	0.0243	0.0460	24.61	1.691	-3.274	3.1331	-0.00820	0.03597	-0.03844	-0.00262	0.01148	-0.01227	0.00095	0.00082	0.00090
13846	1888.70	123.9	3.51	0.30	0.0260	0.0479	24.74	1.692	-3.149	3.1331	-0.00971	0.03560	-0.04215	-0.00310	0.01136	-0.01345	0.00047	0.00070	-0.00029
13847	1887.55	124.7	3.50	0.29	0.0202	0.0512	24.86	1.691	-3.012	3.1308	-0.00947	0.03694	-0.04067	-0.00302	0.01180	-0.01299	0.00054	0.00114	0.00018
13848	1886.83	124.6	3.50	0.29	0.0246	0.0472	24.99	1.691	-2.897	3.1300	-0.00885	0.03474	-0.04095	-0.00283	0.01110	-0.01308	0.00074	0.00044	0.00008
13849	1889.14	123.6	3.51	0.29	0.0205	0.0486	25.11	1.691	-2.763	3.1339	-0.00816	0.03221	-0.04078	-0.00260	0.01028	-0.01301	0.00096	-0.00038	0.00015
13850	1888.13	123.9	3.51	0.28	0.0185	0.0493	25.24	1.690	-2.630	3.1327	-0.00867	0.03067	-0.04088	-0.00277	0.00979	-0.01305	0.00080	-0.00087	0.00012
13851	1888.99	123.7	3.51	0.29	0.0198	0.0528	25.36	1.691	-2.518	3.1329	-0.01245	0.03336	-0.04085	-0.00397	0.01065	-0.01304	-0.00041	-0.00001	0.00013
13852	1888.13	124.5	3.50	0.29	0.0167	0.0623	25.49	1.691	-2.387	3.1307	-0.01145	0.04113	-0.03950	-0.00366	0.01126	-0.01262	-0.00009	0.00060	0.00055
13853	1887.41	124.9	3.50	0.29	0.0212	0.0583	25.62	1.691	-2.262	3.1311	-0.01089	0.03612	-0.04165	-0.00348	0.01153	-0.01330	0.00009	0.00087	-0.00014
13854	1886.54	124.4	3.50	0.30	0.0229	0.0602	25.74	1.691	-2.147	3.1306	-0.01016	0.03883	-0.04173	-0.00325	0.01240	-0.01333	0.00032	0.00174	-0.00016
13855	1888.99	123.5	3.51	0.28	0.0181	0.0640	25.86	1.690	-2.009	3.1340	-0.00793	0.04113	-0.03899	-0.00253	0.01312	-0.01244	0.00104	0.00246	0.00072
13856	1889.14	123.9	3.51	0.27	0.0195	0.0610	25.99	1.690	-1.872	3.1325	-0.00506	0.04348	-0.03701	-0.00161	0.01388	-0.01182	0.00195	0.00322	0.00135
13857	1888.42	123.9	3.51	0.27	0.0154	0.0578	26.11	1.690	-1.748	3.1316	-0.00158	0.03826	-0.03707	-0.00050	0.01222	-0.01184	0.00306	0.00155	0.00133
13858	1887.70	124.7	3.50	0.29	0.0219	0.0596	26.24	1.691	-1.639	3.1313	-0.00476	0.03414	-0.03875	-0.00152	0.01090	-0.01237	0.00205	0.00024	0.00079
13859	1886.98	124.9	3.50	0.28	0.0198	0.0538	26.36	1.690	-1.507	3.1293	-0.00654	0.03398	-0.03978	-0.00209	0.01086	-0.01271	0.00148	0.00020	0.00045
13860	1889.14	124.0	3.51	0.28	0.0153	0.0569	26.49	1.690	-1.372	3.1333	-0.01026	0.02910	-0.04183	-0.00328	0.00929	-0.01335	0.00029	-0.00137	-0.00019
13861	1888.42	124.1	3.51	0.29	0.0208	0.0543	26.61	1.691	-1.268	3.1333	-0.01344	0.02966	-0.04284	-0.00429	0.00947	-0.01367	-0.00072	-0.00119	-0.00051
13862	1887.98	124.8	3.50	0.29	0.0202	0.0521	26.74	1.691	-1.140	3.1317	-0.01419	0.03634	-0.03990	-0.00453	0.01160	-0.01274	-0.00096	0.00094	0.00042
13863	1886.83	124.8	3.50	0.29	0.0198	0.0520	26.86	1.691	-1.015	3.1302	-0.01146	0.04197	-0.03787	-0.00366	0.01341	-0.01210	-0.00009	0.00275	0.00107
13864	1889.71	123.8	3.51	0.30	0.0215	0.0547	26.99	1.692	-0.902	3.1341	-0.00681	0.04535	-0.03513	-0.00217	0.01447	-0.01121	0.00139	0.00381	0.00196
13865	1888.85	123.7	3.51	0.28	0.0201	0.0577	27.11	1.690	-0.754	3.1335	-0.00264	0.04442	-0.03445	-0.00084	0.01418	-0.01099	0.00273	0.00351	0.00217
13866	1886.83	124.3	3.50	0.29	0.0198	0.0566	27.24	1.691	-0.637	3.1306	-0.00011	0.04136	-0.03436	-0.00003	0.01321	-0.01098	0.00353	0.00255	0.00219
13867	1888.27	124.3	3.51	0.28	0.0195	0.0629	27.36	1.690	-0.503	3.1317	-0.00184	0.03793	-0.03496	-0.00059	0.01211	-0.01116	0.00298	0.00145	0.00200
13868	1887.70	124.8	3.50	0.28	0.0198	0.0575	27.49	1.690	-0.379	3.1306	-0.00433	0.03503	-0.03667	-0.00138	0.01119	-0.01171	0.00218	0.00053	0.00145
13869	1888.13	124.2	3.51	0.28	0.0184	0.0577	27.61	1.690	-0.255	3.1335	-0.00870	0.03058	-0.04139	-0.00278	0.00976	-0.01321	0.00079	-0.00090	-0.00004
13870	1888.42	123.7	3.51	0.28	0.0191	0.0562	27.74	1.690	-0.130	3.1316	-0.00924	0.03183	-0.04038	-0.00295	0.01016	-0.01289	0.00062	-0.00050	0.00027
13871	1888.13	124.3	3.51	0.28	0.0202	0.0503	27.86	1.690	-0.006	3.1323	-0.01422	0.03514	-0.04368	-0.00454	0.01122	-0.01394	-0.00097	0.00056	-0.00078
13872	1888.56	124.2	3.51	0.28	0.0232	0.0510	27.86	1.691	-0.012										

Table A24. Continued.

Run = 203
M = 1.60
xspos = 42.349

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13892	1888.85	124.0	3.51	0.31	0.0232	0.0566	30.36	1.692	2.468	3.1325	-0.00159	0.04343	-0.02932	-0.00051	0.01386	-0.00936	0.00306	0.00320	0.00381
13893	1887.98	124.1	3.51	0.30	0.0287	0.0503	30.49	1.692	2.597	3.1319	-0.00295	0.04441	-0.02893	-0.00094	0.01418	-0.00924	0.00263	0.00352	0.00393
13894	1887.98	124.7	3.50	0.29	0.0243	0.0572	30.73	1.691	2.844	3.1315	-0.00179	0.04377	-0.02870	-0.00057	0.01398	-0.00916	0.00300	0.00332	0.00400
13895	1887.41	125.0	3.50	0.29	0.0239	0.0533	30.74	1.691	2.859	3.1308	-0.00153	0.04369	-0.03004	-0.00049	0.01395	-0.00960	0.00308	0.00329	0.00357
13896	1886.98	124.7	3.50	0.30	0.0209	0.0572	30.86	1.691	2.977	3.1308	-0.00315	0.04132	-0.03101	-0.00101	0.01320	-0.00990	0.00256	0.00254	0.00326
13897	1888.99	123.6	3.51	0.31	0.0243	0.0553	30.99	1.692	3.092	3.1345	-0.00367	0.04241	-0.03006	-0.00117	0.01353	-0.00959	0.00240	0.00287	0.00358
13898	1888.42	124.0	3.51	0.28	0.0243	0.0506	31.11	1.691	3.238	3.1315	-0.00117	0.04498	-0.02929	-0.00037	0.01436	-0.00935	0.00320	0.00370	0.00381
13899	1887.41	124.5	3.50	0.30	0.0250	0.0529	31.24	1.692	3.352	3.1314	-0.00299	0.04337	-0.03073	-0.00096	0.01385	-0.00981	0.00261	0.00319	0.00335
13900	1886.83	124.4	3.50	0.29	0.0226	0.0507	31.36	1.691	3.483	3.1306	-0.00093	0.04384	-0.03154	-0.00030	0.01400	-0.01007	0.00327	0.00334	0.00309
13901	1888.99	123.8	3.51	0.30	0.0256	0.0458	31.49	1.692	3.593	3.1331	0.00075	0.04592	-0.03019	0.00024	0.01466	-0.00964	0.00381	0.00399	0.00353
13902	1887.98	124.4	3.51	0.30	0.0267	0.0492	31.61	1.692	3.721	3.1317	0.00022	0.04561	-0.03033	0.00007	0.01456	-0.00969	0.00364	0.00390	0.00348
13903	1887.41	124.9	3.50	0.29	0.0243	0.0581	31.74	1.691	3.854	3.1313	0.00033	0.04589	-0.03158	0.00010	0.01466	-0.01009	0.00367	0.00400	0.00308
13904	1886.54	124.6	3.50	0.27	0.0236	0.0615	31.86	1.690	3.995	3.1299	0.00025	0.04324	-0.03156	0.00008	0.01381	-0.01008	0.00365	0.00315	0.00308
13905	1889.28	123.6	3.51	0.30	0.0242	0.0665	31.99	1.692	4.100	3.1326	0.00098	0.04605	-0.02906	0.00031	0.01470	-0.00928	0.00388	0.00404	0.00389
13906	1887.98	124.3	3.51	0.28	0.0239	0.0617	32.11	1.691	4.236	3.1298	0.00004	0.04438	-0.02865	0.00001	0.01418	-0.00915	0.00358	0.00352	0.00401
13907	1887.41	124.9	3.50	0.28	0.0246	0.0537	32.24	1.691	4.363	3.1299	-0.00197	0.04563	-0.02868	-0.00063	0.01458	-0.00916	0.00294	0.00392	0.00400
13908	1886.98	124.6	3.50	0.29	0.0267	0.0464	32.36	1.691	4.479	3.1302	-0.00124	0.04606	-0.02886	-0.00040	0.01471	-0.00922	0.00317	0.00405	0.00394
13909	1887.84	124.8	3.50	0.27	0.0274	0.0403	32.49	1.691	4.622	3.1317	-0.00119	0.04808	-0.02799	-0.00038	0.01535	-0.00894	0.00319	0.00469	0.00423
13910	1887.41	125.1	3.50	0.29	0.0243	0.0442	32.65	1.690	4.778	3.1299	0.00283	0.05002	-0.02658	0.00090	0.01598	-0.00849	0.00447	0.00532	0.00467
13911	1886.69	124.9	3.50	0.27	0.0239	0.0542	32.74	1.690	4.874	3.1300	0.00251	0.04987	-0.02757	0.00080	0.01593	-0.00881	0.00437	0.00527	0.00436
13912	1888.70	123.9	3.51	0.27	0.0270	0.0503	32.87	1.690	5.000	3.1314	0.00581	0.04886	-0.02663	0.00186	0.01560	-0.00850	0.00542	0.00494	0.00466
13913	1887.55	124.7	3.50	0.27	0.0277	0.0470	33.00	1.691	5.124	3.1321	0.00419	0.04655	-0.02877	0.00134	0.01486	-0.00919	0.00491	0.00420	0.00398
13914	1888.99	123.7	3.51	0.27	0.0256	0.0458	33.12	1.690	5.250	3.1332	0.00324	0.04696	-0.02811	0.00103	0.01499	-0.00897	0.00460	0.00433	0.00419
13915	1888.99	124.0	3.51	0.27	0.0270	0.0438	33.24	1.690	5.370	3.1337	0.00222	0.04596	-0.02988	0.00071	0.01467	-0.00953	0.00428	0.00400	0.00363
13916	1888.42	124.3	3.51	0.27	0.0263	0.0509	33.39	1.690	5.517	3.1335	0.00023	0.04551	-0.02832	0.00007	0.01452	-0.00904	0.00364	0.00386	0.00413
13917	1887.70	125.1	3.50	0.27	0.0284	0.0473	33.49	1.691	5.616	3.1302	0.00060	0.04746	-0.02804	0.00019	0.01516	-0.00896	0.00376	0.00450	0.00421
13918	1889.14	123.8	3.51	0.26	0.0246	0.0555	33.62	1.690	5.755	3.1337	0.00009	0.04461	-0.02403	0.00003	0.01424	-0.00767	0.00360	0.00358	0.00550
13919	1888.13	124.0	3.51	0.27	0.0232	0.0547	33.74	1.690	5.871	3.1318	-0.00006	0.04582	-0.02288	-0.00002	0.01463	-0.00731	0.00355	0.00397	0.00586
13920	1887.55	124.9	3.50	0.29	0.0253	0.0540	33.86	1.691	5.984	3.1313	-0.00010	0.04771	-0.02440	-0.00003	0.01524	-0.00779	0.00354	0.00458	0.00537
13921	1886.69	124.7	3.50	0.28	0.0233	0.0557	33.99	1.690	6.116	3.1300	0.00034	0.04763	-0.02318	0.00011	0.01522	-0.00740	0.00368	0.00455	0.00576
13922	1889.14	123.8	3.51	0.28	0.0215	0.0528	34.11	1.691	6.239	3.1332	0.00195	0.05028	-0.02438	0.00062	0.01605	-0.00778	0.00419	0.00539	0.00538
13923	1888.13	124.2	3.51	0.28	0.0263	0.0509	34.24	1.691	6.367	3.1313	0.00427	0.05119	-0.02402	0.00137	0.01635	-0.00767	0.00493	0.00568	0.00550
13924	1887.55	124.8	3.50	0.28	0.0267	0.0511	34.36	1.691	6.487	3.1304	0.00464	0.05230	-0.02469	0.00148	0.01671	-0.00789	0.00505	0.00605	0.00528
13925	1886.83	124.6	3.50	0.28	0.0219	0.0475	34.49	1.690	6.618	3.1299	0.00409	0.05172	-0.02498	0.00131	0.01652	-0.00798	0.00488	0.00586	0.00519
13926	1888.85	123.8	3.51	0.28	0.0195	0.0657	34.61	1.690	6.745	3.1326	0.00491	0.05348	-0.02602	0.00157	0.01707	-0.00831	0.00514	0.00641	0.00486
13927	1888.13	124.4	3.51	0.28	0.0232	0.0622	34.74	1.690	6.867	3.1318	0.00570	0.05276	-0.02653	0.00182	0.01685	-0.00847	0.00539	0.00618	0.00470
13928	1887.70	124.9	3.50	0.27	0.0164	0.0659	34.86	1.690	7.004	3.1311	0.00556	0.05139	-0.02744	0.00178	0.01641	-0.00876	0.00534	0.00575	0.00440
13929	1886.69	124.6	3.50	0.27	0.0219	0.0643	34.99	1.690	7.122	3.1304	0.00788	0.05137	-0.02640	0.00252	0.01641	-0.00843	0.00609	0.00575	0.00473
13930	1888.99	123.7	3.51	0.28	0.0243	0.0581	35.11	1.691	7.237	3.1331	0.00746	0.05541	-0.02278	0.00238	0.01769	-0.00727	0.00595	0.00702	0.00590
13931	1887.98	124.4	3.51	0.27	0.0181	0.0584	35.24	1.690	7.377	3.1318	0.00490	0.05109	-0.02249	0.00156	0.01631	-0.00718	0.00513	0.00565	0.00598
13932	1887.41	125.0	3.50	0.27	0.0195	0.0620	35.36	1.690	7.503	3.1295	0.00820	0.05498	-0.01979	0.00262	0.01757	-0.00632	0.00619	0.00691	0.00684
13933	1886.83	124.7	3.50	0.27	0.0174	0.0656	35.49	1.690	7.629	3.1303	0.00621	0.04903	-0.02300	0.00198	0.01566	-0.00735	0.00555	0.00500	0.00582
13934	1888.70	123.8	3.51	0.27	0.0164	0.0668	35.61	1.690	7.749	3.1337	0.00524	0.04629	-0.02418	0.00167	0.01477	-0.00772	0.00524	0.00411	0.00545
13935	1888.56	124.0	3.51	0.26	0.0184	0.0605	35.74	1.689	7.886	3.1326	0.00410	0.04396	-0.02075	0.00131	0.01403	-0.00662	0.00488	0.00337	0.00654
13936	1887.41	124.6	3.50	0.26	0.0195	0.0648	35.86	1.689	8.010	3.1309	0.00172	0.04274	-0.02263	0.00055	0.01365	-0.00723	0.00412	0.00299	0.00594
13937	1886.98	124.7	3.50	0.27	0.0212	0.0714	35.98	1.690	8.121	3.1298	-0.00010	0.04247	-0.01865	-0.00003	0.01357	-0.00596	0.00354	0.00291	0.00721
13938	1888.99	123.9	3.51	0.26	0.0167	0.0744	36.11	1.689	8.259	3.1336	-0.00425	0.03758	-0.02236	-0.00136	0.01199	-0.00714	0.00221	0.00133	0.00603
13939	1888.42	124.0	3.51	0.26	0.0188	0.0663	36.24	1.690	8.381	3.1316	-0.00426	0.03919	-0.01806	-0.00136	0.01251	-0.00577	0.00221	0.00185	0.00740
13940	1887.41	124.7	3.50	0.26	0.0160	0.0685	36.36	1.689	8.510	3.1309	-0.00981	0.03410	-0.01915	-0.00313	0.01089	-0.00612	0.00043	0.00203	0.00705
13941	1887.12	124.8	3.50	0.26	0.0184	0.0708	36.49	1.690	8.631	3.1300	-0.00840	0.03262	-0.02019	-0.00268	0.01042	-0.00645	0.00088	-0.00024	0.00672
13942	1889.14	124.1	3.51	0.27	0.0188	0.0681	36.61	1.690	8.752	3.1331	-0.00825	0.03176	-0.02167	-0.00263	0.01014	-0.00692	0.00094	-0.00052	0.00625
13943	1888.27	124.1	3.51	0.27	0.0171	0.0690	36.74	1.690	8.880	3.1317	-0.01371	0.02260	-0.02515	-0.00438	0.00722	-0.00803	-0.00081	-0.00344	0.00514
13944	1887.84	124.7	3.50	0.27	0.0164	0.0649	36.86	1.690	9.007	3.1320	-0.01895	0.01621	-0.02761	-0.00605	0.00518	-0.00882	-0.00248	-0.00549	0.00435
13945	1886.98	125.0	3.50	0.28	0.0202	0.0615	36.99	1.690	9.120	3.1									

Table A24. Concluded.

Run = 203
M = 1.60
xsppos = 42.350

point	p0	t0	rnft	alpha	cnmrc	cmmrc	x	h/L	xbeta	pref	dp01	dp02	dp03	dpp01	dpp02	dpp03	dpp01c	dpp02c	dpp03c
13965	1887.41	124.9	3.50	0.28	0.0229	0.0592	39.49	1.691	11.612	3.1302	-0.01855	0.02429	-0.06287	-0.00592	0.00776	-0.02009	-0.00236	-0.00290	-0.00692
13966	1888.42	124.3	3.51	0.28	0.0253	0.0512	39.61	1.691	11.738	3.1331	-0.01473	0.02696	-0.06230	-0.00470	0.00861	-0.01988	-0.00113	-0.00205	-0.00672
13967	1888.70	123.9	3.51	0.28	0.0243	0.0590	39.74	1.691	11.863	3.1332	-0.01349	0.02833	-0.05983	-0.00431	0.00904	-0.01909	-0.00074	-0.00162	-0.00593
13968	1887.98	124.6	3.50	0.27	0.0229	0.0564	39.86	1.690	11.999	3.1328	-0.01401	0.03252	-0.05935	-0.00447	0.01038	-0.01894	-0.00090	-0.00028	-0.00578
13969	1887.26	125.0	3.50	0.27	0.0246	0.0546	39.99	1.690	12.120	3.1302	-0.01333	0.03291	-0.05336	-0.00426	0.01052	-0.01705	-0.00069	-0.00015	-0.00388
13970	1888.85	124.2	3.51	0.29	0.0250	0.0538	40.11	1.691	12.230	3.1334	-0.01171	0.03521	-0.05077	-0.00374	0.01124	-0.01620	-0.00017	0.00058	-0.00304
13971	1888.70	124.1	3.51	0.29	0.0229	0.0639	40.24	1.691	12.354	3.1329	-0.01048	0.03275	-0.04880	-0.00335	0.01045	-0.01558	0.00022	-0.00021	-0.00241
13972	1887.84	124.6	3.50	0.29	0.0260	0.0619	40.36	1.691	12.477	3.1321	-0.01166	0.03182	-0.04961	-0.00372	0.01016	-0.01584	-0.00015	-0.00050	-0.00267
13973	1887.12	125.0	3.50	0.27	0.0229	0.0648	40.49	1.690	12.621	3.1306	-0.01135	0.03026	-0.04936	-0.00362	0.00966	-0.01577	-0.00006	-0.00100	-0.00260
13974	1887.98	124.2	3.51	0.28	0.0215	0.0650	40.61	1.690	12.743	3.1341	-0.01070	0.02923	-0.05021	-0.00341	0.00933	-0.01602	0.00015	-0.00134	-0.00285
13975	1888.70	123.7	3.51	0.28	0.0246	0.0620	40.74	1.691	12.863	3.1332	-0.01273	0.02835	-0.05059	-0.00406	0.00905	-0.01615	-0.00050	-0.00161	-0.00298
13976	1888.13	124.5	3.50	0.29	0.0215	0.0603	40.86	1.691	12.983	3.1318	-0.01349	0.02752	-0.04900	-0.00431	0.00879	-0.01565	-0.00074	-0.00187	-0.00248
13977	1887.26	125.0	3.50	0.28	0.0246	0.0593	40.99	1.691	13.109	3.1306	-0.01566	0.02396	-0.04787	-0.00500	0.00765	-0.01529	-0.00143	-0.00301	-0.00212
13978	1888.85	124.1	3.51	0.29	0.0249	0.0631	41.11	1.691	13.228	3.1336	-0.01687	0.02245	-0.04794	-0.00538	0.00717	-0.01530	-0.00182	-0.00350	-0.00213
13979	1888.56	124.0	3.51	0.28	0.0236	0.0633	41.24	1.691	13.364	3.1328	-0.01712	0.02407	-0.04786	-0.00546	0.00768	-0.01528	-0.00190	-0.00298	-0.00211
13980	1887.98	124.8	3.50	0.29	0.0239	0.0589	41.36	1.691	13.480	3.1311	-0.01790	0.02408	-0.04751	-0.00572	0.00769	-0.01517	-0.00215	-0.00297	-0.00201
13981	1887.26	125.2	3.50	0.29	0.0260	0.0572	41.49	1.691	13.606	3.1305	-0.01891	0.02710	-0.04620	-0.00604	0.00866	-0.01476	-0.00247	-0.00200	-0.00159
13982	1889.42	124.1	3.51	0.28	0.0246	0.0583	41.61	1.691	13.734	3.1339	-0.01593	0.03066	-0.04533	-0.00508	0.00978	-0.01446	-0.00151	-0.00088	-0.00130
13983	1888.27	124.0	3.51	0.29	0.0263	0.0630	41.74	1.691	13.856	3.1315	-0.01188	0.03600	-0.04554	-0.00379	0.01150	-0.01452	-0.00022	0.00083	-0.00138
13984	1887.84	124.6	3.50	0.27	0.0236	0.0643	41.86	1.690	13.994	3.1318	-0.00948	0.03225	-0.04576	-0.00303	0.01030	-0.01461	0.00054	-0.00036	-0.00145
13985	1887.12	124.9	3.50	0.28	0.0229	0.0611	41.99	1.691	14.112	3.1304	-0.00857	0.03183	-0.04783	-0.00274	0.01017	-0.01528	0.00083	-0.00049	-0.00211
13986	1889.14	123.8	3.51	0.28	0.0253	0.0577	42.11	1.691	14.237	3.1338	-0.01157	0.02807	-0.04717	-0.00369	0.00896	-0.01505	-0.00012	-0.00171	-0.00188
13987	1888.42	124.2	3.51	0.27	0.0239	0.0579	42.24	1.690	14.373	3.1321	-0.01326	0.02618	-0.04890	-0.00423	0.00836	-0.01561	-0.00067	-0.00230	-0.00245
13988	1887.84	124.8	3.50	0.28	0.0232	0.0576	42.37	1.690	14.495	3.1318	-0.01609	0.02416	-0.05063	-0.00514	0.00772	-0.01617	-0.00157	-0.00295	-0.00300
13989	1886.98	125.2	3.50	0.28	0.0222	0.0505	42.49	1.690	14.620	3.1298	-0.01681	0.02778	-0.04902	-0.00537	0.00888	-0.01566	-0.00180	-0.00178	-0.00250
13990	1889.28	124.0	3.51	0.27	0.0277	0.0534	42.61	1.690	14.743	3.1338	-0.01778	0.03315	-0.04824	-0.00567	0.01058	-0.01539	-0.00211	-0.00008	-0.00223
13991	1888.13	124.1	3.51	0.28	0.0243	0.0553	42.74	1.691	14.867	3.1321	-0.01259	0.03607	-0.04303	-0.00402	0.01152	-0.01374	-0.00045	0.00085	-0.00057
13992	1887.70	124.9	3.50	0.28	0.0236	0.0596	42.86	1.691	14.991	3.1304	-0.00932	0.03725	-0.04153	-0.00298	0.01190	-0.01327	0.00059	0.00124	-0.00010
13993	1886.83	124.9	3.50	0.28	0.0212	0.0648	42.99	1.690	15.119	3.1295	-0.00691	0.03830	-0.04067	-0.00221	0.01224	-0.01300	0.00136	0.00158	0.00017
13994	1889.14	123.8	3.51	0.29	0.0218	0.0661	43.11	1.691	15.234	3.1343	-0.00658	0.03696	-0.04347	-0.00210	0.01179	-0.01387	0.00147	0.00113	-0.00070
13995	1888.42	124.1	3.51	0.30	0.0277	0.0563	43.24	1.692	15.347	3.1320	-0.00740	0.03612	-0.04395	-0.00236	0.01153	-0.01403	0.00120	0.00087	-0.00087
13996	1887.55	124.8	3.50	0.29	0.0232	0.0613	43.36	1.691	15.483	3.1305	-0.00705	0.03684	-0.04632	-0.00225	0.01177	-0.01480	0.00132	0.00111	-0.00163
13997	1886.54	124.9	3.50	0.28	0.0219	0.0615	43.49	1.691	15.616	3.1300	-0.00853	0.03484	-0.04919	-0.00272	0.01113	-0.01572	0.00084	0.00047	-0.00255
13998	1888.70	123.6	3.51	0.28	0.0201	0.0568	43.61	1.691	15.742	3.1327	-0.00802	0.03401	-0.04864	-0.00256	0.01086	-0.01553	0.00101	0.00020	-0.00236
13999	1888.27	124.3	3.51	0.29	0.0250	0.0566	43.74	1.691	15.859	3.1324	-0.00995	0.03370	-0.04777	-0.00318	0.01076	-0.01525	0.00039	0.00010	-0.00209
14000	1887.26	124.8	3.50	0.28	0.0226	0.0674	43.87	1.690	15.996	3.1310	-0.00943	0.03344	-0.04304	-0.00301	0.01068	-0.01375	0.00055	0.00002	-0.00058
14001	1887.98	124.3	3.51	0.27	0.0250	0.0594	43.99	1.690	16.125	3.1338	-0.01221	0.03281	-0.04024	-0.00390	0.01047	-0.01284	-0.00033	-0.00019	0.00032
14002	1888.85	123.9	3.51	0.27	0.0215	0.0659	44.11	1.690	16.253	3.1335	-0.01058	0.03348	-0.03967	-0.00338	0.01068	-0.01266	0.00019	0.00002	0.00050
14003	1887.70	124.7	3.50	0.26	0.0202	0.0624	44.24	1.690	16.383	3.1315	-0.01163	0.03467	-0.03637	-0.00371	0.01107	-0.01161	-0.00015	0.00041	0.00155
14004	1887.41	125.0	3.50	0.26	0.0229	0.0667	44.36	1.690	16.506	3.1308	-0.01073	0.03502	-0.03610	-0.00343	0.01119	-0.01153	0.00014	0.00053	0.00163
14005	1887.12	124.4	3.50	0.27	0.0215	0.0641	44.49	1.690	16.621	3.1318	-0.01061	0.03402	-0.03780	-0.00339	0.01086	-0.01207	0.00018	0.00020	0.00110
14006	1888.42	123.8	3.51	0.26	0.0215	0.0622	44.61	1.690	16.758	3.1329	-0.01106	0.03404	-0.03714	-0.00353	0.01087	-0.01185	0.00004	0.00020	0.00131
14007	1887.98	124.6	3.50	0.26	0.0167	0.0689	44.74	1.689	16.888	3.1309	-0.01029	0.03585	-0.03608	-0.00329	0.01145	-0.01152	0.00028	0.00079	0.00164
14008	1887.12	125.0	3.50	0.26	0.0226	0.0619	44.86	1.690	17.008	3.1298	-0.00981	0.03494	-0.03818	-0.00313	0.01116	-0.01220	0.00043	0.00050	0.00097
14009	1886.83	124.5	3.50	0.26	0.0222	0.0635	44.99	1.690	17.130	3.1307	-0.01016	0.03588	-0.03953	-0.00325	0.01146	-0.01263	0.00032	0.00080	0.00054
14010	1888.85	123.8	3.51	0.26	0.0205	0.0644	45.11	1.689	17.262	3.1337	-0.01015	0.03494	-0.03848	-0.00324	0.01115	-0.01228	0.00033	0.00049	0.00089
14011	1888.27	124.4	3.51	0.26	0.0246	0.0574	45.24	1.690	17.381	3.1318	-0.01033	0.03595	-0.03707	-0.00330	0.01148	-0.01184	0.00027	0.00082	0.00133
14012	1887.26	124.8	3.50	0.27	0.0226	0.0591	45.37	1.690	17.502	3.1302	-0.00991	0.03454	-0.03923	-0.00316	0.01103	-0.01253	0.00040	0.00037	0.00063
14013	1887.55	124.1	3.51	0.26	0.0202	0.0605	45.49	1.689	17.634	3.1314	-0.01200	0.03552	-0.03861	-0.00383	0.01134	-0.01233	-0.00026	0.00068	0.00083
14014	1888.70	123.7	3.51	0.26	0.0225	0.0646	45.61	1.690	17.757	3.1329	-0.01066	0.03555	-0.03818	-0.00340	0.01135	-0.01219	0.00017	0.00068	0.00098
14015	1887.84	124.5	3.50	0.27	0.0232	0.0576	45.74	1.690	17.876	3.1317	-0.01005	0.03561	-0.03891	-0.00321	0.01137	-0.01243	0.00036	0.00071	0.00074

Appendix B

Sublimation Tests to Determine Boundary Layer Transition Grit Size and Location

A brief study was conducted near the end of the wind tunnel test to determine a boundary layer transition grit size and location that would ensure the model boundary layer was turbulent. Sublimation was used to determine the boundary layer state. The sublimation runs were conducted at a Mach number of 1.60 and a free-stream unit Reynolds number of 3.5 million per foot with the model set to 0.26° angle of attack.

Initial boundary layer grit sizing was performed using the method of reference 7 except that a critical roughness Reynolds number of 1800 was used instead of the recommended 600. The increase in critical roughness Reynolds number was needed to properly account for the effect of Mach number as shown in figure 8 of reference 8.

The transition grit strips consisted of sand grit sparsely sprinkled in a lacquer film. During the sublimation runs, the transition grit strips on the wing had two approximately 0.25 in. wide sections where the grit was removed so that the effect of no grit could be visualized. The two sections without grit split the wing into approximately three even sections, i.e., the 0.25 in. wide sections with no grit were located at about $1/3$ and $2/3$ of the distance from the fuselage to the wing tip.

The sublimation chemical used during these tests was fluorene ($C_{13}H_{10}$). The fluorene was dissolved in a type of freon called Genesolv 2004 (1,1,2-trichloro- 1,2,2-trifluoroethane) and applied to the model with a pressurized spray gun. The mixture ratio of the sublimation chemicals was 35 g fluorene to 2 qt of Genesolv 2004.

The basic procedure used during the sublimation runs consisted of the following:

1. Apply grit to the model.
2. Apply sublimation chemical to the model with a pressurized spray gun.
3. Start tunnel flow.
4. Obtain first sublimation photograph when stagnation pressure reached approximately 75 percent of the set point condition.
5. Obtain sublimation photograph every 4-5 minutes until the end of the sublimation run.
6. Increase tunnel temperature to 175°F to remove the fluorene that remained on the model after completion of the run.

The sublimation runs were conducted while the reference and survey probes were mounted to the solid test section door. Photographs were obtained with two digital cameras mounted in the other test section door that contained the schlieren windows. The cameras were mounted side by side between one set of schlieren window support bars. The model blade sting positioned the model approximately 5 inches from the rotation axis of the tunnel roll coupling. Therefore, as the model was rolled from -90° (viewing top surface of model) to 90° (viewing bottom surface of model) the distance from the tunnel side wall where the cameras were located changed by approximately 10 in. The large difference in focusing distance required the use of two cameras. Two flash units were located above the cameras and two were located below the cameras to illuminate the model for the photographs.

A brief description of each sublimation run and the result is presented below. Five sublimation runs were attempted although only four were successful. During the first sublimation run, which

was unsuccessful, the sublimation chemicals were applied too thinly and thus sublimed before the tunnel test conditions were set.

Second sublimation run (run 178)

- #50 grit on right-hand side of nose only; ≈ 5.0 in. from nose measured along model surface; strip approx. 0.125 in. wide

During this run, the model was rolled from -90° to 90° every 4-5 minutes so that photographs of the top and bottom surface of the model were obtained throughout the entire run.

Sample sublimation photographs of the model upper surface are shown in figure B1. The results from this run showed that the boundary layer on both the right- and left-hand wings did not transition to turbulent flow.

Third sublimation run (run 183)

- #50 grit on model nose; ≈ 5.0 in. from nose measured along model surface; strip approx. 0.125 in. wide
- #80 grit on right-hand wing; 0.4 in. measured perpendicular to wing leading edge
- #60 grit on left-hand wing; 0.4 in. measured perpendicular to wing leading edge
- Grit strips on wings approx. 0.125 in. wide measured perpendicular to wing leading edge

During this run, the model was rolled -90° (viewing top surface of model) for the entire run and then it was roll to 90° for a final photograph of the bottom surface at the end of the run.

The grit was applied 0.4 in. measured perpendicular to the wing leading edge rather than 0.4 in. measured streamwise from the wing leading edge. Consequently, the grit was located at nearly 50 percent chord for most of the wing rather than near the wing leading edge.

Sample sublimation photographs of the model upper surface are shown in figure B2. The #50 grit transition strip on the nose did not appear to transition the flow on the fuselage.

The sublimation results showed that both the #60 and #80 grit partially transitioned the boundary layer on the outboard sections of the wing but did not on the inboard sections of the wing.

Fourth sublimation run (run 186)

- #50 grit on model nose; ≈ 5.0 in. from nose measured along model surface; strip approx. 0.125 in. wide
- #80 grit on right-hand wing; 0.4 in. measured streamwise from wing leading edge
- #60 grit on left-hand wing; 0.4 in. measured streamwise from wing leading edge
- Grit strips on wings approx. 0.125 in. wide measured perpendicular to wing leading edge

During this run, the model was rolled -90° (viewing top surface of model) for the entire run and then it was roll to 90° for a final photograph of the bottom surface at the end of the run.

Sample sublimation photographs of the model upper surface are shown in figure B3. The #50 grit transition strip on the nose did not appear to transition the flow on the fuselage.

The sublimation results showed that the #80 and #60 grit transitioned the boundary layer on the outboard sections of the wing. Neither grit size was effective in transitioning the boundary layer on the inboard section of the wing.

The grit strips on the wing were approximately 0.125 in. wide measured perpendicular to the wing leading edge which is the normal Langley Unitary Plan Wind Tunnel procedure. However, because the wing sweep on the model was so large, the effective width of the strip as viewed along a streamline was much larger. Therefore, it is believed that the grit strip would appear to the flow as a two dimensional step and consequently be less effective in causing transition to turbulent flow.

Fifth sublimation run (run 189)

- #50 grit on model nose; \approx 5.0 in. from nose measured along model surface; strip approx. 0.125 in. wide
- #50 grit on model nose; \approx 7.5 in. from nose measured along model surface; strip approx. 0.125 in. wide
- #80 grit on outboard 2/3 of right-hand wing; 0.4 in. measured streamwise from wing leading edge
- #50 grit on inboard 1/3 of right-hand wing; 0.4 in. measured streamwise from wing leading edge
- #60 grit on left-hand wing; 0.4 in. measured streamwise from wing leading edge
- Grit strips on wings approx. 0.063 in. wide measured streamwise from wing leading edge

During this run, the model was rolled -90° (viewing top surface of model) for the entire run and then it was roll to 90° for a final photograph of the bottom surface at the end of the run.

A second transition strip was applied to the model nose in an attempt to trip the fuselage boundary layer. The grit on the model wings was applied in a much narrower strip as compared to the run 186 application in order to minimize the two dimensional step affect described previously.

Sample sublimation photographs of the model upper surface are shown in figure B4. The two #50 grit strips on the nose did not appear to transition the flow on the fuselage. Test time limitations prevented further trials of the nose grit to determine a suitable grit size.

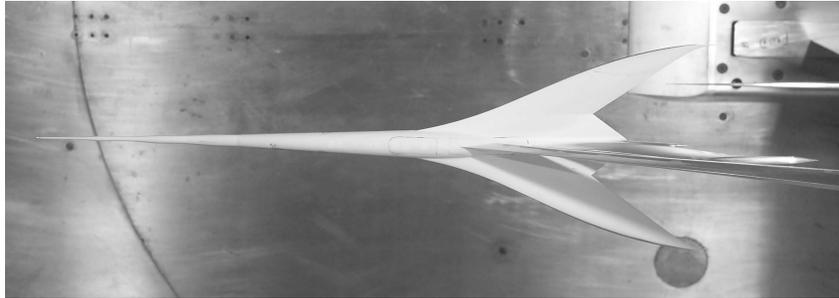
The sublimation results showed that the #80 grit on the outboard right-hand wing was successful in transitioning the boundary layer to turbulent flow. The #50 grit was mostly (but not completely) successful in transitioning the boundary layer on the inboard section of the right-hand wing. The #60 grit was also successful in transitioning the boundary layer on the outboard section of the left-hand wing. However, the #60 grit on the inboard left-hand wing did not appear to transition the flow.

Boundary layer grit size and location summary

Based on the sublimation runs, the smallest boundary-layer grit size and grit location that transitioned the model wing boundary layer from laminar to turbulent was:

- # 80 grit (0.0077 in. \pm 0.0007 in. nominal size) on outboard 2/3 of wing. The strip was located 0.4 in. aft of the wing leading edge measured streamwise and was approximately 0.063 in. wide (measured streamwise).

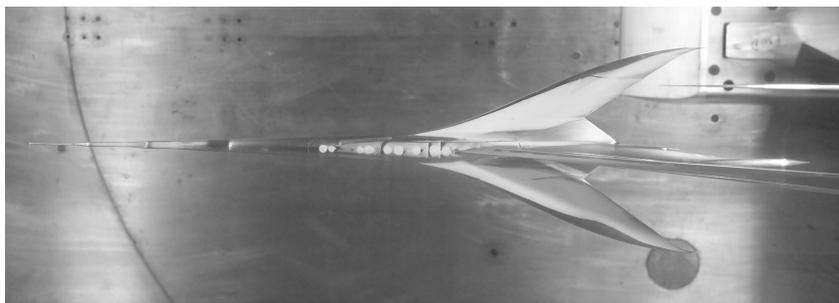
- # 50 grit (0.0128 in. \pm 0.0011 in. nominal size) on inboard 1/3 of wing. The strip was located 0.4 in. aft of the wing leading edge measured streamwise and was approximately 0.063 in. wide (measured streamwise).



(a) $t = 6$ min.

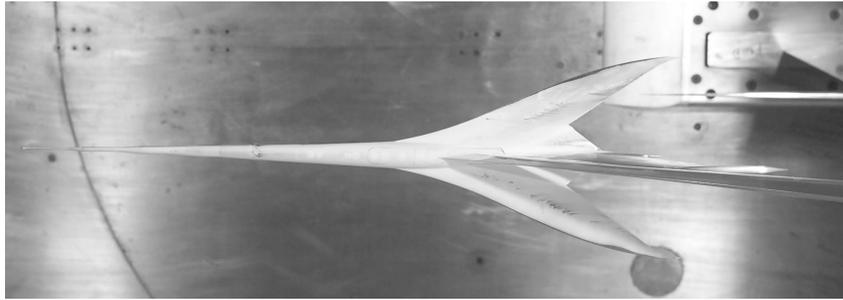


(b) $t = 21$ min.

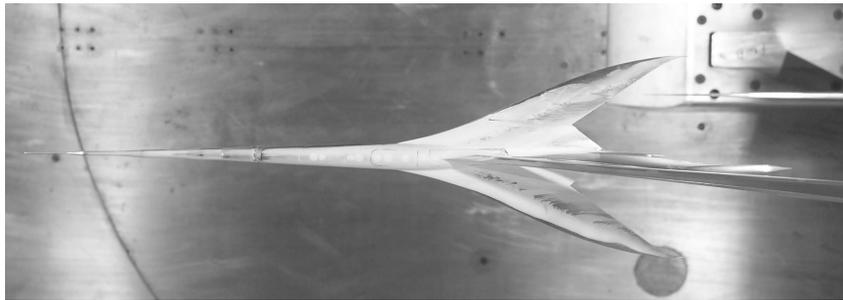


(c) $t = 31$ min.

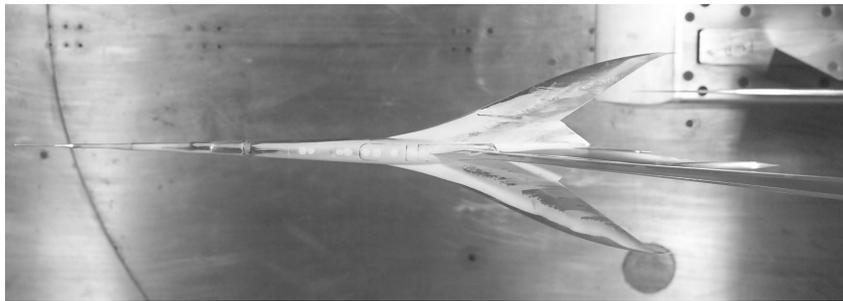
Figure B1. Sublimation photographs of upper surface for run 178 at $M = 1.60$.



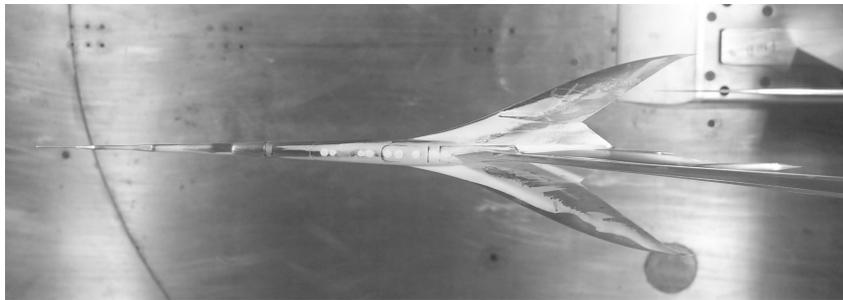
(a) $t = 0$ min.



(b) $t = 5$ min.

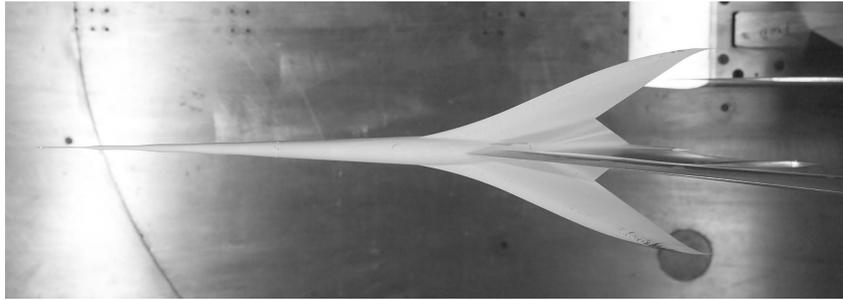


(c) $t = 10$ min.

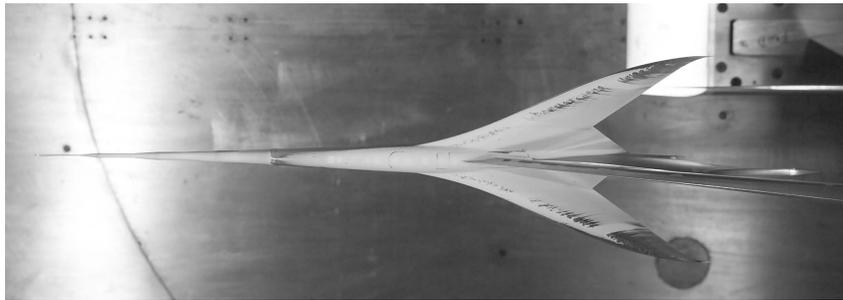


(d) $t = 15$ min.

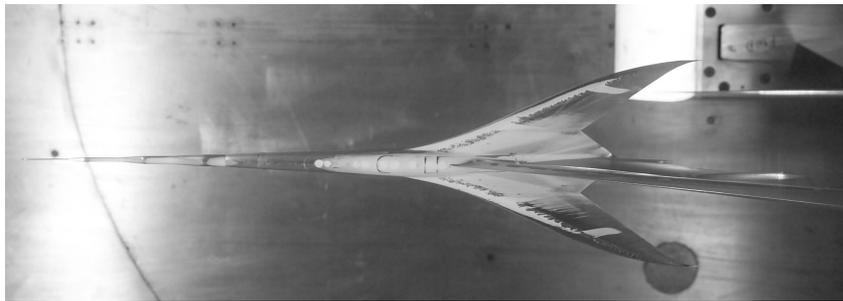
Figure B2. Sublimation photographs of upper surface for run 183 at $M = 1.60$.



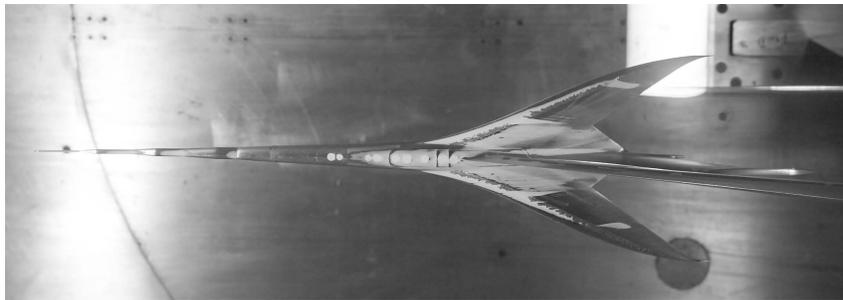
(a) $t = 0$ min.



(b) $t = 11$ min.

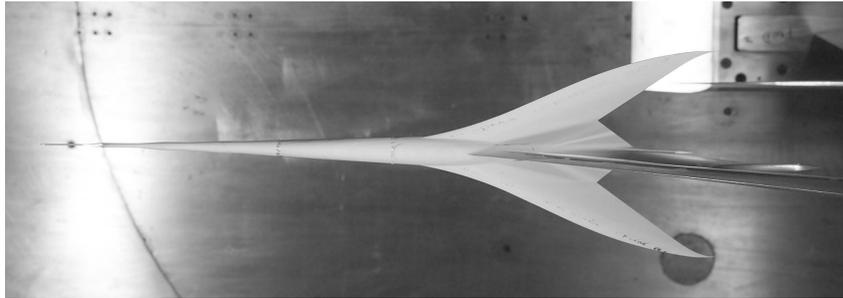


(c) $t = 23$ min.

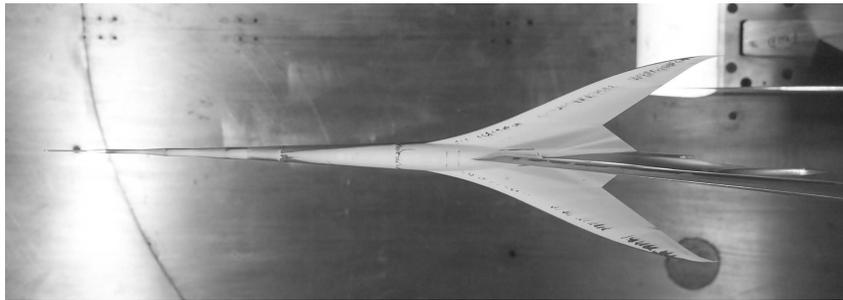


(d) $t = 31$ min.

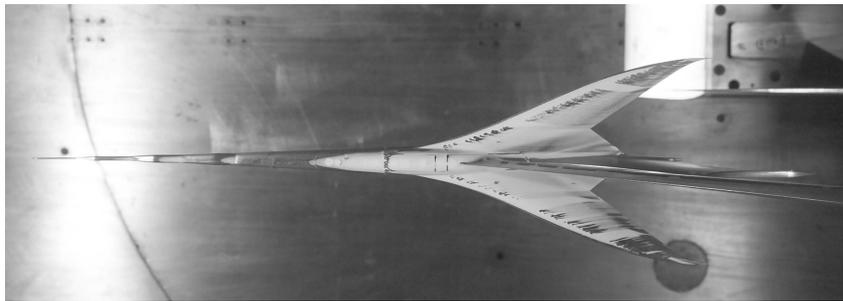
Figure B3. Sublimation photographs of upper surface for run 186 at $M = 1.60$.



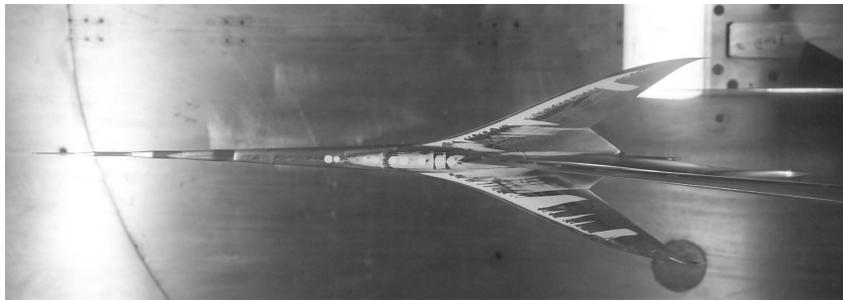
(a) $t = 0$ min.



(b) $t = 12$ min.



(c) $t = 24$ min.



(d) $t = 40$ min.

Figure B4. Sublimation photographs of upper surface for run 189 at $M = 1.60$.

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
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1. REPORT DATE (DD-MM-YYYY)		2. REPORT TYPE		3. DATES COVERED (From - To)	
01-08-2012		Technical Memorandum			
4. TITLE AND SUBTITLE Experimental Sonic Boom Measurements on a Mach 1.6 Cruise Low-Boom Configuration				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) Wilcox, Floyd J., Jr.; Elmiligui, Alaa A.; Wayman, Thomas R.; Waithe, Kenrick A.; Howe, Donald C.; Bangert, Linda S.				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER 984754.02.07.07.14.02	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) NASA Langley Research Center Hampton, VA 23681-2199				8. PERFORMING ORGANIZATION REPORT NUMBER L-20103	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) National Aeronautics and Space Administration Washington, DC 20546-0001				10. SPONSOR/MONITOR'S ACRONYM(S) NASA	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S) NASA/TM-2012-217598	
12. DISTRIBUTION/AVAILABILITY STATEMENT Unclassified - Unlimited Subject Category 02 Availability: NASA CASI (443) 757-5802					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT A wind tunnel test has been conducted by Gulfstream Aerospace Corporation (GAC) to measure the sonic boom pressure signature of a low boom Mach 1.6 cruise business jet in the Langley Unitary Plan Wind Tunnel at Mach numbers 1.60 and 1.80. Through a cooperative agreement between GAC and the National Aeronautics and Space Administration (NASA), GAC provided NASA access to some of the experimental data and NASA is publishing these data for the sonic boom research community. On-track and off-track near field sonic boom pressure signatures were acquired at three separation distances (0.5, 1.2, and 1.7 reference body lengths) and three angles of attack (-0.26°, 0.26°, and 0.68°). The model was blade mounted to minimize the sting effects on the sonic boom signatures. Although no extensive data analysis is provided, selected data are plotted to illustrate salient features of the data. All of the experimental sonic boom pressure data are tabulated. Schlieren images of the configuration are also included.					
15. SUBJECT TERMS Sonic boom; Aerodynamics; Supersonics; Supersonic cruise; Wind tunnel test					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			STI Help Desk (email: help@sti.nasa.gov)
U	U	U	UU	135	19b. TELEPHONE NUMBER (Include area code) (443) 757-5802