NASA CONTRACTOR REPORT - 174811

MEAN VELOCITY AND TURBULENCE MEASUREMENTS IN A 90° CURVED DUCT WITH THIN INLET BOUNDARY LAYER

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Final Report
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TABLE OF CONTENTS

SUMMARY

The experimental database established by this investigation of the flow in a large rectangular turning duct is of benchmark quality. The experimental Reynolds numbers, Deans numbers and boundary layer characteristics are significantly different from previous benchmark curved-duct experimental parameters. The turbulent entrance boundary layer case, at $R_{ed} = 328,000$, provides an incompressible flowfield which approaches real turbine blade cascade flow characteristics. Although incompressible, the turbulent boundary layer thickness of 5 to 10 percent of duct half-width provides a very challenging flowfield for CFD code development and validation. The experimental results present all three components of mean velocity and turbulence intensity for six measurement planes in the 90° turning duct. The experimental data is available on magnetic tape at the NASA-Lewis Research Center.

1. INTRODUCTION

The advancement of turbine engine durability and efficiency depends upon design improvements in stage loading, operating temperatures and material properties. Improved fluid mechanics and heat transfer codes are key to design advancement of blade loading and temperature distribution. The curved duct flowfield results from the combined effects of compressibility, viscosity and heat transfer, and it is one of the most difficult three-dimensional flows to model accurately. A requirement for developing improved fluid dynamics codes is the benchmark experimental data base, which provides a calibration standard for development and validation of fluid mechanics codes.

The investigation reported herein is the study of internal flow in a large rectangular turning duct, with a 25.4 cm (10 in) square cross section. The objective of this investigation is to provide a complete set of benchmark data for the flow within a large rectangular turning duct. These data are to be used to evaluate, verify, and/or modify three-dimensional internal viscous flow models and computational codes for predicting the flow in turbine engines. The experimental and analytical efforts were conducted under a coordinated multitask contract

The data acquired in the three-dimensional viscous flowfield includes pressure and velocity distributions for comparison with the flowfield computed using three-dimensional viscous flow computer codes. The measurements constituted a detailed study of the sidewall, endwall, and convex-sidewall/flat endwall corner regions of the duct, for isothermal, adiabatic flow. All measurements were taken at two Reynolds numbers that provided both laminar and fully turbulent boundary layer flows approaching the duct turn. The flow velocities for both Reynolds numbers were low enough to remain well within the incompressible Mach number range.

2. EXPERIMENTAL TASK

Flow in curved ducts is representative of a wide range of real flowfields such as are found in turbomachinery. The evaluation of the complex three-dimensional flowfield in a turbine stage is complicated by the viscous effects which dominate the heat transfer distributions. A clear understanding of the three-dimensional boundary layer development in the curved duct is essential to the formulation and validation of computational fluid dynamics and heat transfer codes. This investigation expands the curved duct experimental work of Taylor, Whitelaw and Yianneskis (ref. 1) to higher Reynolds numbers and Dean numbers. The resulting experimental data base provides a CFD baseline data set that is closer to real turbine blade passage flowfields. In this section the experimental facility and instrumentation systems are described in detail. The design, fabrication and calibration of all experimental equipment was conducted with primary emphasis on data quality to assure benchmark results.

2.1 Duct Flow Facility Description

The experimental facility design features modular tunnel components which allow flow measurements every 15° in the 90° bend and at one duct width upstream and downstream of the bend. The 25.4 cm (10 in) square cross section tunnel is designed with a 13 to 1 area ratio bell mouth, contoured to provide uniform flow, and is powered by an induced-draft, variable speed, variable pitch, six-bladed fan. The tunnel is designed for incompressible flow and will produce, based on variable inlet length, Reynolds numbers of 50 to 350 x 10^3 at the entrance of the 90° bend for tunnel velocities of 4.0 to 24 m/sec (13 to 79 ft/sec). These two flow conditions represent laminar and fully turbulent boundary layer profiles at the entrance to the 90° bend. Figures 1 and 2 show the details of the assembled duct.

Inlet Transition The inlet transition section is designed to provide a uniform flow profile to the test section. The walls are made from formed metal with a bellmouth shape. The bellmouth has an overall length of 101.6 cm (40 inches), with a 91.44 cm

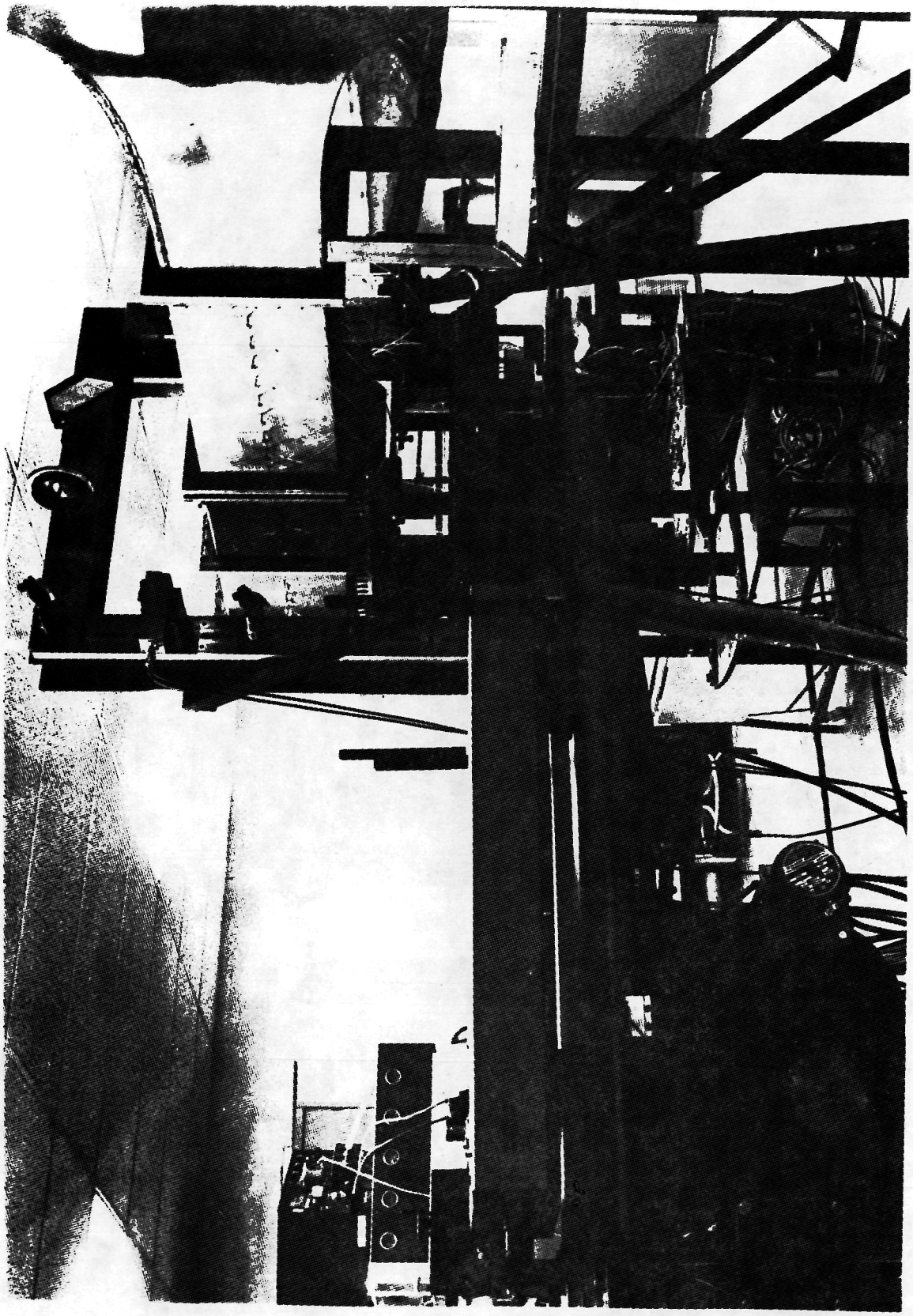


Figure 1. Curved Duct Entrance Region and LV System

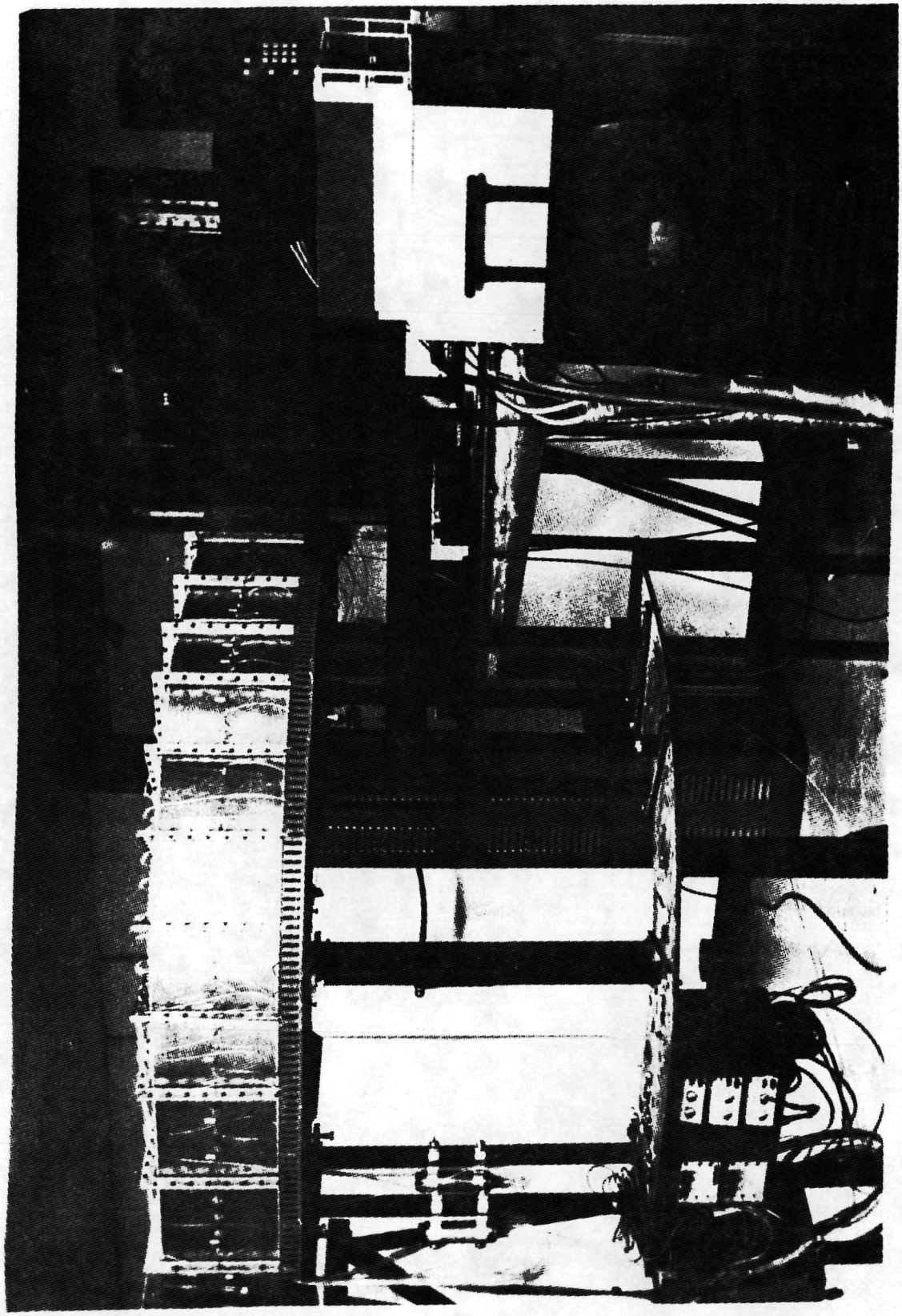


Figure 2. Assembled Curved Duct Test Section

(36 inch) square entrance and a 25.4 cm (10 inch) square outlet for a contraction ratio, A_i/A_0, of 13. The honeycomb panel acts as a flow straightener and smoother to provide a smooth, laminar core flow into the duct. An 8 x 8 mesh screen is stretched across the bellmouth inlet upstream and downstream of the honeycomb panels. The honeycomb and screens at the entrance, as well as the suction type air supply design are intended to provide the smoothest, most uniform core flow possible at the duct entrance.

The bellmouth contour was selected on the basis of fluid dynamic calculations to provide an essentially uniform one-dimensional core flow with developing boundary layers entering the test section. Smooth flow acceleration is achieved by contouring the inlet to avoid large negative axial pressure gradients. An approximate calculation predicted the boundary layer thickness at the bellmouth exit of 1.25 mm to 2.5 mm (0.05 to 0.1 in). Therefore, the boundary layer at the start of the bend is mainly produced by flow over the straight duct extension sections, for both the laminar the turbulent boundary layer flow conditions

The inlet extension section was designed to provide additional length upstream of the test section to allow development of a fully turbulent boundary layer at the start of the bend This section is straight, 50.8 cm (20 inches) long and has a 25.4 cm (10 inch) square cross section Flanges are provided for ease of installation and removal, thus simplifying duct alterations to facilitate changing the flow characteristics. One of these interchangable sections is configured as an instrument segment, containing an optical access window module, an instrument probe module, and a 24.1 cm (9.5 inch) long extension module. This modular section can be interchanged or rearranged to permit inlet conditions to be measured at 25.4, 50.8, 76.2 or 101 6 cm (10, 20, 30 or 40 inches) upstream of the bend entrance and exit conditions to be measured at 25 4 cm (10 inches) downstream of the bend exit.

The instrument module includes the Laser Velocimeter access window as a separate piece. Construction of the instrument module is similar to the extension section, i.e. flanged and made from 6.35 mm (0.25 inch) thick aluminum plates. The basic difference

is the inclusion of the optical access window module and a traversing probe mounting panel which allows pressure measurements, temperature measurements, or hot-wire measurements, in the plane of the view window. Interchanging the instrument module with different panel modules permits flow conditions and profiles to be measured at the bend entrance, or at any of 5 evenly spaced stations in the bend. The view window module is constructed for application with either the curved instrument module or the duct-extension instrument segment. The window section was assembled from four (4), beveled 0.635 cm (0.25 inch) thick by 1.27 cm (0.5 inch) wide by 26.67 cm (10.25 inches) long flat glass panels mounted in an aluminum frame that bolts to the upstream end of the instrument module. The glass windowed module is arranged so that there is a clear view from corner-to-corner on all four walls of the test duct. Flat window width has been minimized within the operating constraints of the Laser Velocimeter system.

Although flat windows were used along the convex and concave walls the resulting variation in wall curvature is insignificant. These 1.27 cm (0 5 in) wide flat panels were, by design installed so the window edges set on the arc of the concave and convex sidewalls, resulting at window center, in only a 0.004 cm (0.002 in) maximum variation from the desired uniform 45.7 cm (18 in) radius of the convex sidewall, and 0.003 cm (0.001 in) maximum variation from the desired 71 1 cm (28 in) uniform radius of the concave sidewall

Induced Draft Fan, Exhaust Transition The exhaust transition section is designed to diffuse the flow and provide a uniform suction for moving the air through the test section. The exhaust section is 335.28 cm (132 inches) long and transitions from a 25.4 cm (10 inches) square cross section at the downstream extension exit to an 82.55 cm (32.5 inch) diameter circular cross section designed to match the diameter of the fan mounted at the exit of this section.

The selected, induced draft fan is a 6 bladed, adjustable pitch, 81.30 cm (32 in) diameter air propeller. The blades and hub are separate aluminum alloy castings, machine matched and balanced. The propeller is belt driven by a variable-speed,

electric motor mounted below the fan. Both the motor and propeller mounts are isolated from the duct supports, to inhibit any transfer of vibrations from the fan. Independent mounting arrangements were used to isolate exhaust transition section and the test section from fan induced vibrations and pressure fluctuations. Vibration isolation was provided at the flange connection between the exhaust transition section and downstream extension section, as well as between the exhaust transition section and the motor housing.

Following facility construction, an extensive shakedown and calibration program was conducted to confirm flow quality in the inlet section and assure no flow separation in the diffuser section. Both laminar and turbulent inlet boundary layers were validated by hot-wire measurements. Flow uniformity in the inlet section was confirmed by pressure and laser velocimetry surveys.

2.2 Instrumentation Description and Calibration

The primary instrumentation was designed for non-intrusive flow measurements utilizing a three-component, laser velocimeter (LV) and wall static pressure gauges. The LV utilizes two color beams and Bragg diffraction beam splitting/frequency shifting to separate the three simultaneous, orthogonal, velocity vector components. The LV signal processors determine the digital values of velocity from the seed particles crossing the laser beam probe volume. To improve and speed up digital data acquisition, the LV processors were designed around an S-100 bus Z-80 microprocessor which provides on-line, near-real time data reduction. This on-line data was acquired and recorded for off-line detailed analysis. To qualify the measurements as "benchmark" data, the LV data was compared with both pitot probe and hot-wire anemometer measurements for flow conditions which permit comparisons.

Total and static pressure distributions were measured at the selected measurement stations and along the duct walls. Total and static pressures measured at the exit of the duct inlet section were used to control the duct flow. Static pressure ports distributed along the centerlines of all four duct walls provided wall static pressure profiles along

the side and end walls of the duct as shown in Figure 3.

Nominal bulk flow velocities of 6.0 and 20 m/sec. (20 and 66 fps) were selected to provide the laminar and turbulent boundary layer flows at the entrance to the turn. For these velocities, the pressure differentials to be measured are 0.10 and 2.5 cm of H_20 (0.04 and 0.95 in. of H_20). To provide accurate measurements within this range, a Validyne DP103 differential pressure transducer for ultra low range was selected. This transducer has a combined accuracy of $\pm$ 0.5 percent of the calibrated span. The span can be altered by inserting different diaphragms.

The full scale reading corresponding to the low pressure range measurements is 1.0 cm in H_20, and the scale reading corresponding to the high pressure range was selected to be 4.0 cm H_20. Since a large number of static pressure measurements were necessary, two 48 port Scanivalve pressure scanners were used in conjunction with the Validyne transducers, to multiplex the static pressure readings. Therefore, all the pressure measurements were performed with three (3) similar pressure transducers, one for each scanivalve and one monitoring the inlet total to static pressure difference.

Hot-wire measurements were made periodically in the flow for comparison with the LV velocity determinations. The hot-wires were calibrated in a steady, low turbulence flow and the direct non-linearized output of the anemometer was recorded. From these data, statistically defined velocity measurements were determined and compared with LV measurements from the same flow, to ascertain possible biases in the LV measurements

Laser Velocimeter System

The laser velocimeter (LV) developed at UTSI and used on the curved duct flow experiments may be described as two primary systems: (1) optical, and (2) electronic (ref 2.). The optical system consists of the laser, parallel beam color separator, two dimensional Bragg cell, lens train, lens train housing, photomultiplier tubes, and mill bed scanning system. The electronics system consists of Bragg cell drivers and power amplifiers, signal separator and mixer, simultaneous signal detector, signal measuring

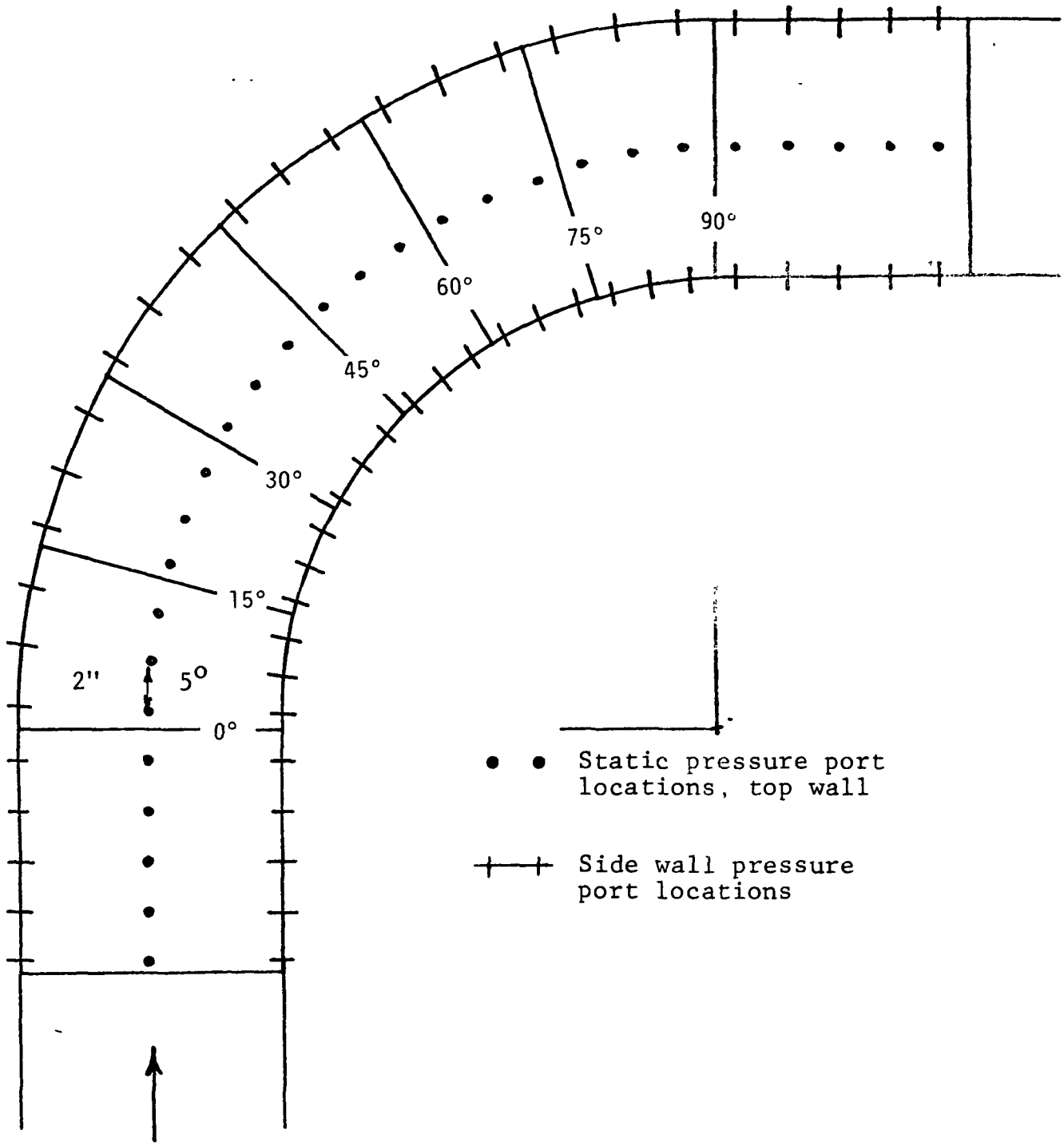


Figure 3. Duct Static Pressure Port Location

electronics, data acquisition computer, and a scan position control system. The LV system was designed to measure three orthogonal components of velocity and to scan over a 25.4 x 25.4 cm cross section with a spatial resolution of approximately ± .25 mm.

A sketch of the optical system is shown in figure 4. A Lexel Corp. Model 95-2 Ar^+ laser was used in the LV system. This device produces approximately 2 watts of power in all line operation. It requires water cooling and 208 V, 3-phase, 30 amps/leg electrical service. The system used the 488 nm and 514.5 nm lines in LV operation. Guaranteed optical power for the 488 nm line is 0.7 watts and that for the 514.5 nm line is 0.8 watts.

The color separator is a prism-mirror assembly designed at UTSI. Its function is to separate the input multicolor laser beam into a parallel set of beams which can be adjusted in terms of spatial separation and position relative to the input beam. The color separator consists of two glass dispersion prisms mounted such that the beams are incident on the prism surfaces at Brewster's angle to minimize reflections. The first prism provides the initial color dispersion. The refracted 'dispersed beams are reflected by a first surface mirror to a second prism which further spreads the beams and reorients each beam such that it is parallel to the original input beam The intermediate mirror and prisms are adjustable in order to vary beam separation and output position relative to the initial beam direction.

The parallel beams from the color separator are directed to a single two-dimensional Bragg cell which is used to split and frequency shift the parallel input beams. Each input beam is split into four beams of equal intensity originating from a common point. For a single Bragg cell each set of split beams appears to originate and propagate in a common reference plane For a two-dimensional Bragg cell. each set of split beams appears to originate at the apex of a pyramid. The two-dimensional Bragg cell is a small water tank containing two x-cut quartz crystal transducers mounted at right angles with respect to each other. Each crystal is made to oscillate in an odd overtone

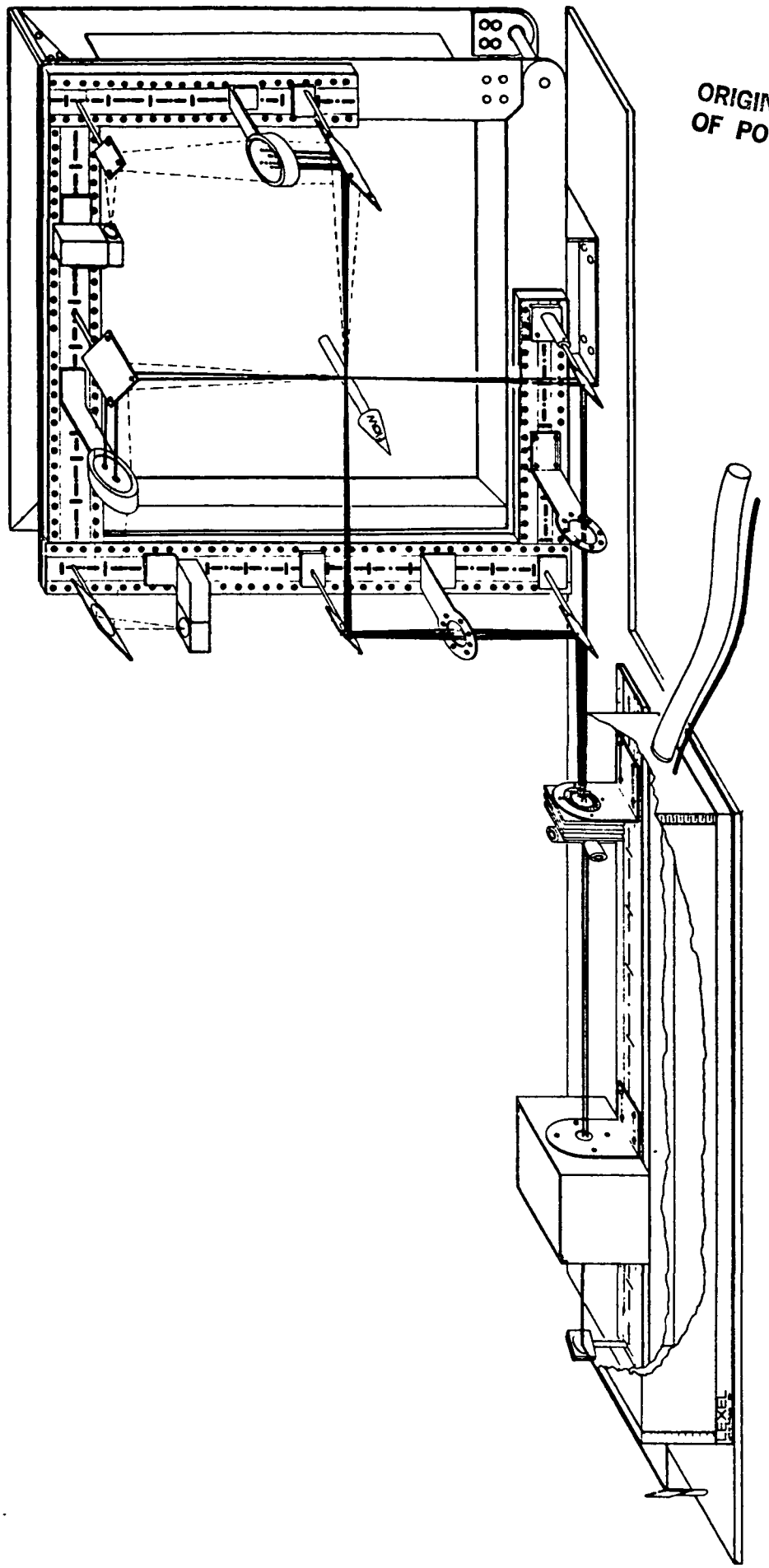


Figure 4. 3D LV Optical System Configuration

by a power amplifier referenced to a phase locked loop (PLL) oscillator. The frequency of each PLL is tunable in order that the transducer can be operated at its optimum frequency in a particular overtone. The output power of each power amplifier is adjustable from 0-10 watts and allows control of relative beam intensities. The quartz transducers are cut for 5 MHz fundamental frequencies and are operated in third and fifth overtones to produce frequency shifts in the beams of 15 and 45 MHz. Frequency differences in orthogonal beam pairs are 15 and 45 MHz. Non-orthogonal beam pairs have frequency differences and sums of 30 and 60 MHz. Signal currents generated at these frequencies are removed by electronic filters after photodetection.

After the beams are split, mirrors and beam stops are used to separate colors such that two orthogonal velocity components are measured with the 514.5 nm (green) beam and one component is measured with the 488 nm (blue) beam. All other split beams and colors are blocked. The green beams have velocity component identification and directions determined using the 15 and 45 MHz Bragg cell frequencies The blue beam utilizes a 15 MHz Bragg cell frequency. After the colors are separated, a dove prism is used to rotate the blue beams such that the velocity component detected by the pair will be orthogonal to the component measured by the green beams.

A lens was used to make the green and blue beams focus to a common volume of incidence. Transmission paths were matched to ensure that the probe volumes are approximately the same dimension. While the geometry of the volume is that of two intersecting cylinders, the volume will be contained within a sphere of approximately a 200 μm radius. Folding mirrors are used after the transmitting lens to assure sufficient adjustment for probe volume alignment.

The entire optical assembly was mounted in an I-beam channel assembly for mechanical stability. One side of the assembly was designed for quick removal in order to swing the system off the duct for alignment checks, etc. The channel assembly was mounted on a mill bed which had been modified to hold the channel and to produce a planar scan. The mill bed has positional resolution of 25 μm and can be adjusted

manually or automatically with stepping motors under computer control.

Positioning of the mill bed system at each of the measurement locations in the duct was accomplished by rolling the system on casters to the desired position. The mill bed was locked in position with stabilizing jack screws which raised the mill bed off the caster wheels and leveled the entire system. Zero coordinate reference for the computerized system was defined at the center position of the window assembly which was used at all stations. This position was determined by using the optical system with the blue and green beams to locate the window reference.

LV Data Acquisition

The electronics hardware associated with signal measurement and data acquisition is described in this section. Velocity was was acquired by three laser velocimeter burst counters. The fringe counts can be programmed from 2 to 255 which allows the operator to match the fringe count to the number of fringes in the LV probe volume Each burst counter is actually a combination of two time period counters, each of which performs an average signal period measurement. These period counters are started simultaneously, but one counter, called the short counter, stops after fewer fringe crossing than the second counter, called the long counter. That is, the short counter measures the signal time period averaged over N_S signal periods, and the long counter measures the signal time period averaged over N_L signal periods. The significance of long and short is merely that $N_L > N_S$ The signal time period, τ_L, measured over N_L signal periods and τ_S, measured over N_S signal periods are given by

$$\tau_L = \frac{n_L}{N_L f_{ck}} \qquad \tau_S = \frac{n_S}{N_S f_{ck}}$$

in which f_{ck} is the clock frequency (250 MHz), n_L is the number of clock pulses counted in time $N_L \tau_L$, and n_S is the number of clock pulses in time $N_S \tau_S$.

The two measurements of the signal time period, τ_L and τ_S should, of course, agree because the measurements are performed during overlapping times on the same signal

The "aperiodicity" is defined by

$$\epsilon = \frac{| \tau_L - \tau_S |}{\tau_L}$$

Hard wired logic performs the aperiodicity test for each measurement. The operator can select a maximum aperiodicity of 1/128, 1/64, 1/32, or 1/16. Alternatively, the clock counts n_L and n_S can be inputted to a computer which performs the aperiodicity test in software, in which case the maximum aperiodicity limit is continuously adjustable. Experience has shown that τ_L and τ_S will either agree closely or disagree grossly. As a result, mean velocity and turbulence intensity measurements are only very weakly influenced by the precise value of the aperiodicity limit. Because the hardware aperiodicity test is much faster than the software test, one normally uses the former.

Simultaneous signal detection in blue/green probe volume is required for turbulent data analysis. The signal time period measurement process is performed on each of the three velocity channels. Each burst counter outputs a pulse whose duration is $N_L \tau_L$, called the ACTIVE pulse. The ACTIVE pulses from the three burst counters are passed to the simultaneity checker. Also, the aperiodicity fail pulse, AFAIL, from each burst counter is sent to the aperiodicity checker Only those data for which the three ACTIVE pulses were coincident for at least one instant in time, and for which an AFAIL pulse was not produced by any of the burst counters are passed to the computer which records the velocity data.

The LV optical system was configured as a Bragg-shifted, two-color, velocimeter In essence, it is the orthogonal combination of two, two-component systems. Two PMT detectors were used and, hence, two UTSI LV signal receivers were required for frequency multiplexing two components of velocity from a single PMT signal.

The signal splitter divides the total signal amplitude into two equal parts, each of which is passed to a signal processing channel consisting of a double balanced mixer, PLL local oscillator, low pass filter and burst counter LV signal processor. The signal channel responsible for processing signals produced by the 15.0 MHz Bragg transducer is called the 15.0 MHz channel, and the other signal channel is called the 45.0 MHz

channel. The LO (local oscillator) port of each mixer is driven by a PLL whose frequency is adjustable. For each signal frequency which appears in the mixer's input (its radio frequency, or RF, port) the mixer's output (its intermediate frequency, or IF, port) contains the sum of this frequency and the local oscillator frequency. However, the mixer output is passed through a low pass filter which lets through only those difference frequencies which fall within the passband of the filter.

The signal frequency produced by a particle at rest, f_o, is the difference between the frequency of the local oscillator, f_{LO}, and the Bragg excitation frequency, f_B,

$$f_o = f_{LO} - f_B$$

A component of velocity for a moving particle is found from the difference between f_o and the frequency of the output of the low pass filter, f. The latter is measured by a burst counter LV signal processor. (Actually, the burst processor measures τ, the signal period averaged over some integer number of periods). Velocity was computed from the equation

$$v = \delta(f_o - f)$$

in which δ is the fringe spacing (i e . distance from one interference fringe to the next) The magnitude of a component of velocity was determined from the absolute value of $f_o - f$, and the sign of the component of velocity was determined from the sign of $f_o - f$.

The LV translation table was controlled by the same computer which controlled the burst counters. A disk file of xyz positions was created for each desired flow profile and the data acquisition was automatic. In order to minimize operator error, the acquisition was automated as much as possible.

LV Calibration

Instrumentation and facility calibration was accomplished before the detailed flowfield measurements were obtained to assure benchmark quality data. The following paragraphs describe briefly the calibration standards and techniques for all instrumen-

tation. The calibrated instrumentation was first used to calibrate the facility (i.e. bulk velocity) and confirm core flow uniformity and boundary layer characteristics.

The precision Validyne pressure transducers were calibrated before and after each data run with a precision slant manometer with full scale range of 13 mm H_20 and an accuracy of 0.1 mm H_20. These pressure transducers have a very linear response with demonstrated repeatability and accuracy of ± 0.5 percent of calibrated span.

Two techniques were used to calibrate the Laser velocimetry (LV) system for mean flow velocity. Then a single hot-wire system was used to check the mean turbulence intensity. A direct and absolute end to end calibration of the LV system was accomplished using a spinning wheel device. A small target wire attached to the spinning wheel was rotated through each set of orthogonal fringes at a known velocity. Errors in knowledge of wheel radius and rotational speed were determined to be <0.5 percent of the 20 m/s calibration speed or 0.1 m/s. Tunnel velocity was also determined by pitot-static pressure measurement which was then compared with LV measurement. Due to the small pressure differentials associated with 6 and 20 m/s flows, the pitot-static determined velocity was at best a ± 1.0 percent measurement. During the experimental program, differences between pitot-static velocity and LV velocity measurements, at duct centerline, greater than ± 1.5 percent were cause for recalibration

Since the hot-wire anemometer is a well established measurement technique for turbulent flow properties measurement, a single hot-wire probe system was used to validate the LV measurements. Figures 5 and 6 show a comparison of mean velocity and turbulence intensity measurements taken by hot-wire and LV. In regions of the flowfield where high velocity gradients occur, the LV system will interpret the gradient produced velocity differences across the measurement volume as turbulence. This effect will result in erroneous measurements of pseudo-turbulence in thin laminar boundary layers. In the turbulent boundary layers and in the main duct flowfield, the LV measured turbulence intensity levels were 0.5 to 1.5 percent higher than the hot-wire levels. The significance of this difference will be discussed in section 4.

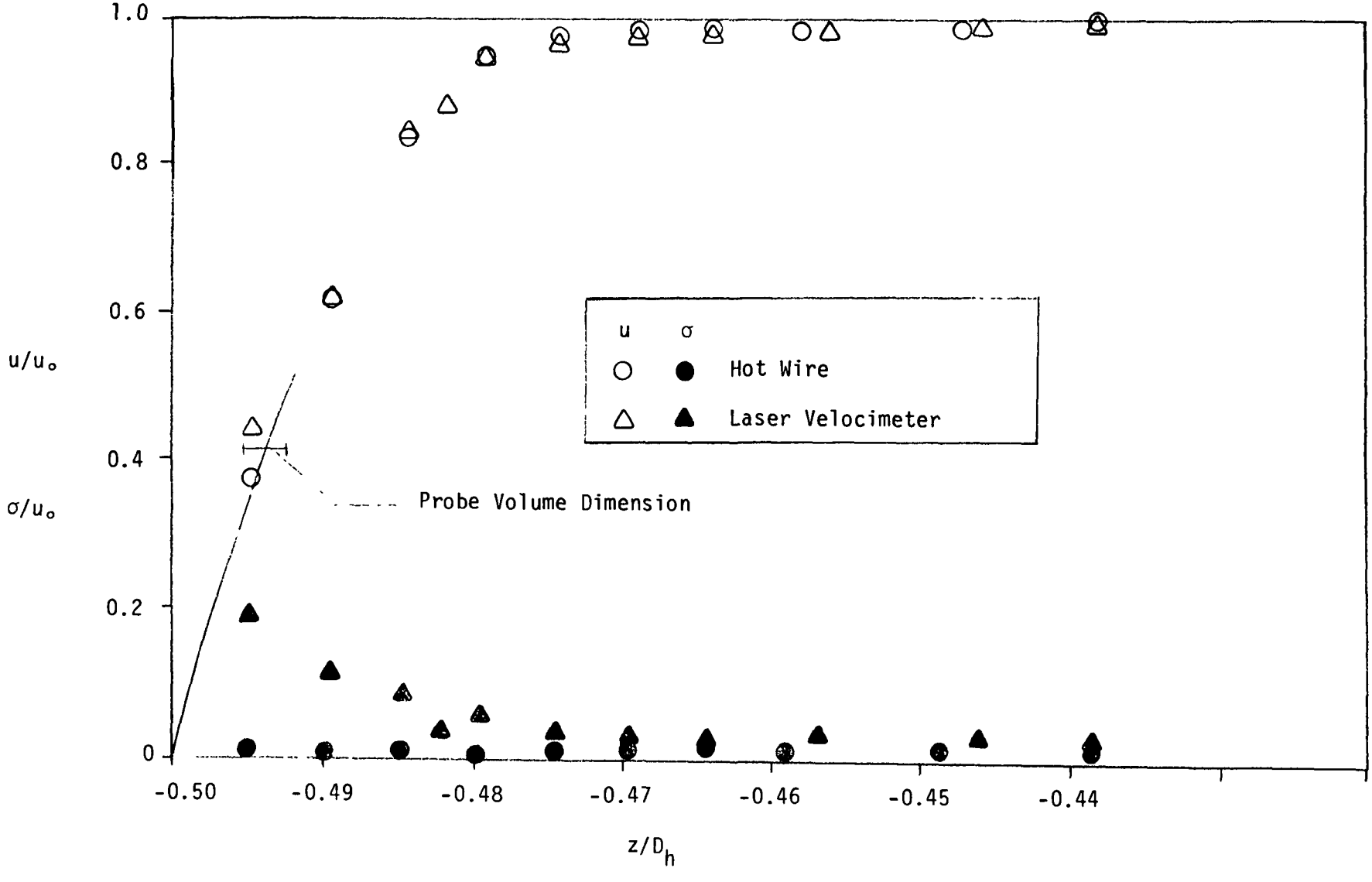


Figure 5. Hot Wire/Laser Velocimeter Comparison (Laminar)

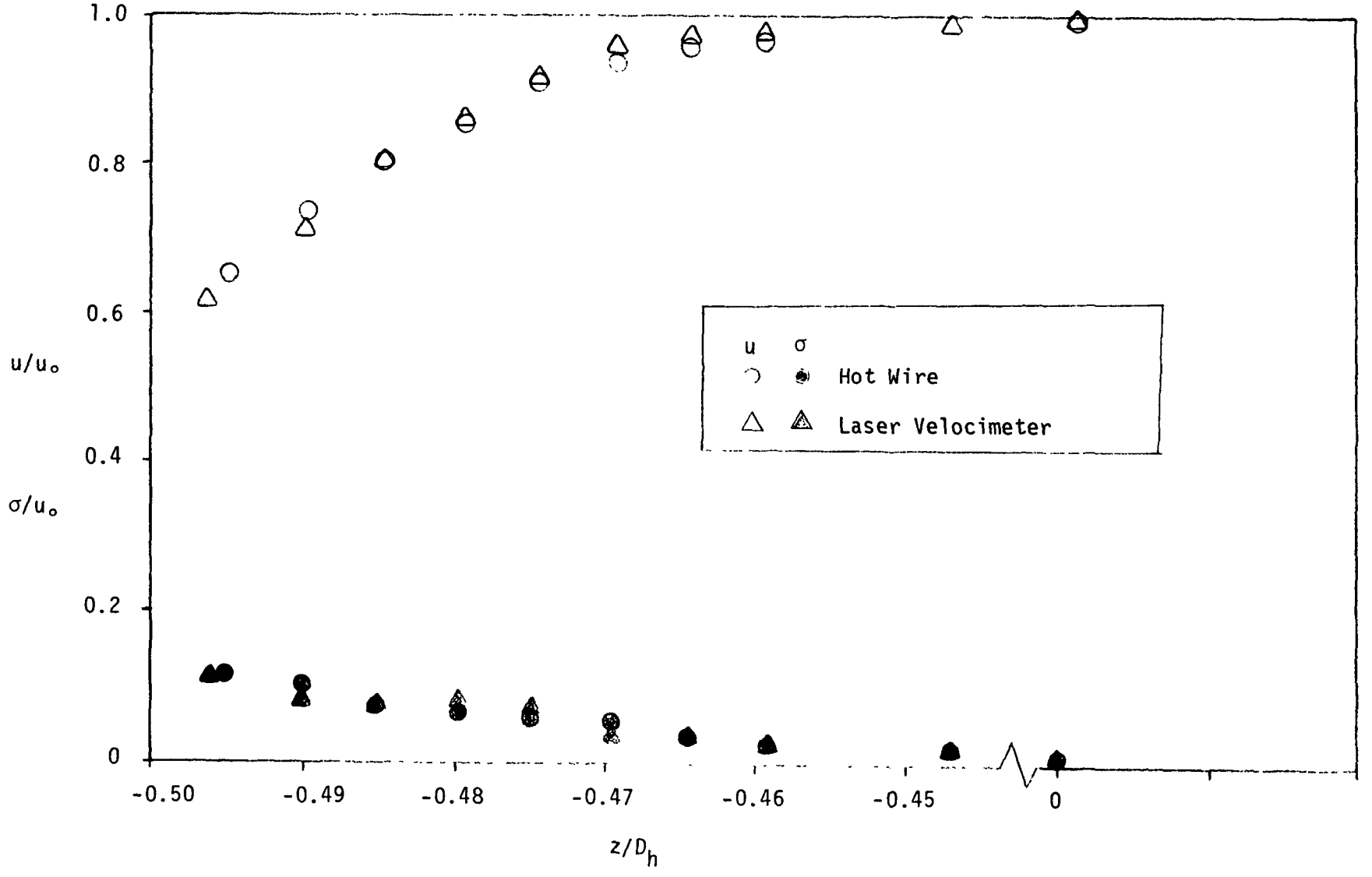


Figure 6. Hot Wire/Laser Velocimeter Comparison (Turbulent)

LV Seeding

The development and operation of a satisfactory flow seeding system was a difficult task which required several iterations. The particles must be small enough to track the flow accurately, but large enough to scatter sufficient light for accurate signal processing. The duct flow rates for this investigation were about one cubic meter per second which required a large amount of seed for an eight hour run. Due to the health hazards associated with most suitable solid particles such as aluminum oxide and titanium dioxide, they were rejected.

Phenolic micro-balloons, which are used to reduce density in fiberglass, were found to be a good seed material. They have an equivalent particle size of 2 microns with good scattering properties. The micro-balloons were successfully seeded in both a water-alcohol slurry and in a fluidized bed air seeder. However the phenolic spheres were easily charged by static electricity and would collect on flow screens and duct walls. The operational problems of using the micro-balloons were greater than their advantages.

Water droplets were selected for the complete test program because of their good scattering characteristics, clean properties and low cost. Water droplet seed must be in the 2-5 micron size range to minimize particle lag problems. Water droplets as large as 10 microns followed the steady component of velocity with only a one percent error at mean velocities of 20 m/s due to the small velocity gradients in the curved duct. However accurate measurement of the low turbulence intensities associated with this project requires droplets of 2 microns or less. A water fog sprayer was used to generate particles in a large room from which the curved duct air was drawn. The larger particles were allowed to settle to the floow before reaching the inlet Thus a nominal 2 micron water droplet entered the duct. This technique worked well in the moderate relative humidity range 60 to 80 percent. Under high relative humidity conditions the particles would grow and under low humidity conditions they would evaporate. Thus testing was restricted by weather conditions to moderate relative humidity days.

2.3 Duct Flowfield Measurements and Test Conditions

Following checkout and calibration of the curved duct facility and instrumentation system, detailed flowfield surveys were taken with the three-component laser velocimeter at six duct stations (inlet, $0^o, 30^o, 60^o, 90^o$ and exit). The inlet and exit stations were located one duct width upstream and one duct width downstream of the 90^o curved section. Six hundred spatial points were surveyed at each of the six measurement stations for two Reynolds numbers corresponding to duct bulk velocities of 6 and 20 m/s. The 6 m/s bulk flow case produced a laminar boundary layer at the entrance measurement station one duct width upstream of the 0^o station. However, due to the physical size of the large turning duct, laminar flow could not be maintained through the 90^o turn. A hot wire check of the exit station boundary layer confirmed a fully turbulent flow at bulk flow velocity of 6 m/s. Thus the "Low Reynolds Number" data has a laminar entrance boundary layer profile with transition to turbulent flow in the turn. The 20 m/s bulk flow case produce a fully turbulent entrance boundary layer which of course remains turbulent throughout the 90^o turn. Thus the "high Reynolds number" data has fully turbulent boundary layers. At each measurement point approximately 300 data samples were taken by the LV system and processed to yield the mean velocity and its three orthogonal components along with average turbulence intensity and its three components. The turbulent cross-correlation terms are not presented in this report caused by the lack of statistical confidence due to the small sample size.

To provide additional information on the flowfield, static wall pressures were measured along the centerline of each duct wall. The wall pressure data shows the significant difference in inner and outer wall pressure gradients. In addition to the duct wall static pressures, the total pressure distribution was surveyed two duct widths upstream of the 0^o station. The total pressure was uniform outside of the wall boundary layer which was approximately one cm thick. The LV survey two widths upstream of the 0^o station also confirmed a flat core velocity profile with thin boundary layer.

For comparison, the experimental data obtained during this investigation was ob-

tained at much higher Reynolds numbers and Dean numbers than the data from NASA-CR-3367, reference 1. (See Table I.) The resulting thin boundary layers yield significantly different crossflow velocity fields which provide a much more difficult baseline case for the computational fluid dynamics codes.

Table I

UTSI Investigation	NASA-CR-3367
R_{ed} : 98,000 → 328,000	R_{ed} : 790 → 40,000
De : 45,800 → 152,800	De : 368 → 18,700

3. ANALYTIC TASK

To aid in defining the experimental program and analysis of results, and to define the capabilities of state-of-the-art computer codes, this investigation contained a theoretical fluid mechanics task. A computer code was selected which was capable of solving the Navier-Stokes (N-S) equations with turbulence models for three-dimensional internal flow. The selected computational fluid dynamics (CFD) code was adapted to the experimental geometry and flow conditions of the curved duct. Validation of the code was accomplished by comparison of results with published experimental results and by making self-consistency checks of the computer results. Following validation of the selected CFD code, grid sensitivity studies were conducted to select an adequate grid spacing for the laminar and turbulent boundary layer calculations. Finally computations for the experimental curved duct configuration were made for comparisons with experimental data.

3.1 Selection of 3-D CFD Code

Several N-S codes were considered initially. Based on proven applicability to internal flows similar to those in this investigation, two were evaluated in detail. The Briley-McDonald "MINT" code and the P. D. Thomas internal-flow code were both considered acceptable with relative advantages and disadvantages The Briley-McDonald code was judged more difficult to use and had much less available documentation. Also, the code was not available to us during the initial portion of the contract period. However, the "MINT" code had been run on curved-duct geometries similar to the configuration used in this investigation. The Thomas code, by contrast, has extensive documentation and had been applied to duct flows, although with different geometries from the present one. They differ mainly in the treatment of boundary conditions. Both codes are based on the Beam-Warming implicit, alternating-direction convergence scheme and are similar.

For these reasons the P. D. Thomas internal flow code was selected. It is fully elliptic with all inertial terms retained. Both cross stream viscous terms are retained, and only the streamwise viscous term is neglected. The Thomas code uses generalized

coordinates and was readily adapted to the curved duct geometry. Both code-validation and grid-sensitivity studies were conducted and are reported in the following sections.

3.2 Code Adaptation and Validation

The P. D. Thomas internal flow code was obtained from the NASA Langley Research Center and modified for use on the UTSI VAX 11/780 computer as well as on the CRAY 1-S computer at NASA-Lewis Research Center. Two test cases were successfully run to demonstrate code baseline operation: laminar, flat-plate flow, and three-dimensional flow through a nozzle. Results were successfully obtained for nozzle throat Mach numbers of 1.0 and 0.5. The results were similar to those for test cases reported by Thomas (ref. 4).

To validate the capability of the P. D. Thomas code extensive comparisons were made with the numerical results published by Briley and McDonald in reference 3 and with the experimental data published by Whitelaw et. al. in reference 1 for flow in a square cross section turning duct. The comparisons were made for laminar flow to avoid the uncertanties involved in turbulence modeling The validation involved an assessment of the adequacy of the N-S solutions with practical computational grids. and an evaluation of the discretization errors. The basic comparison case was run at Mach number 0 1 and Reynolds number of 790, based on duct width. Although 20 percent fewer mesh cells than Briely and McDonald reported were used for the comparison case, good agreement was found as shown in figures 7 and 8. Note that the comparison case selected has a large inlet boundary layer thickness of approximately 25 percent duct width. Both the P. D. Thomas and Briley-McDonald codes produced solutions that differed similarly from the experimental results. It can be seen that although the Briley-McDonald results used 69 percent more grid points in the crossflow direction, the results are very similar The fact that the peak in the experimental velocity profiles is not adequately resolved implies that both solutions are affected by discretization error with the grid sizes used. Thus a study of the influence of grid resolution was conducted, along with, a study of time step size and of smoothing functions for improved accuracy

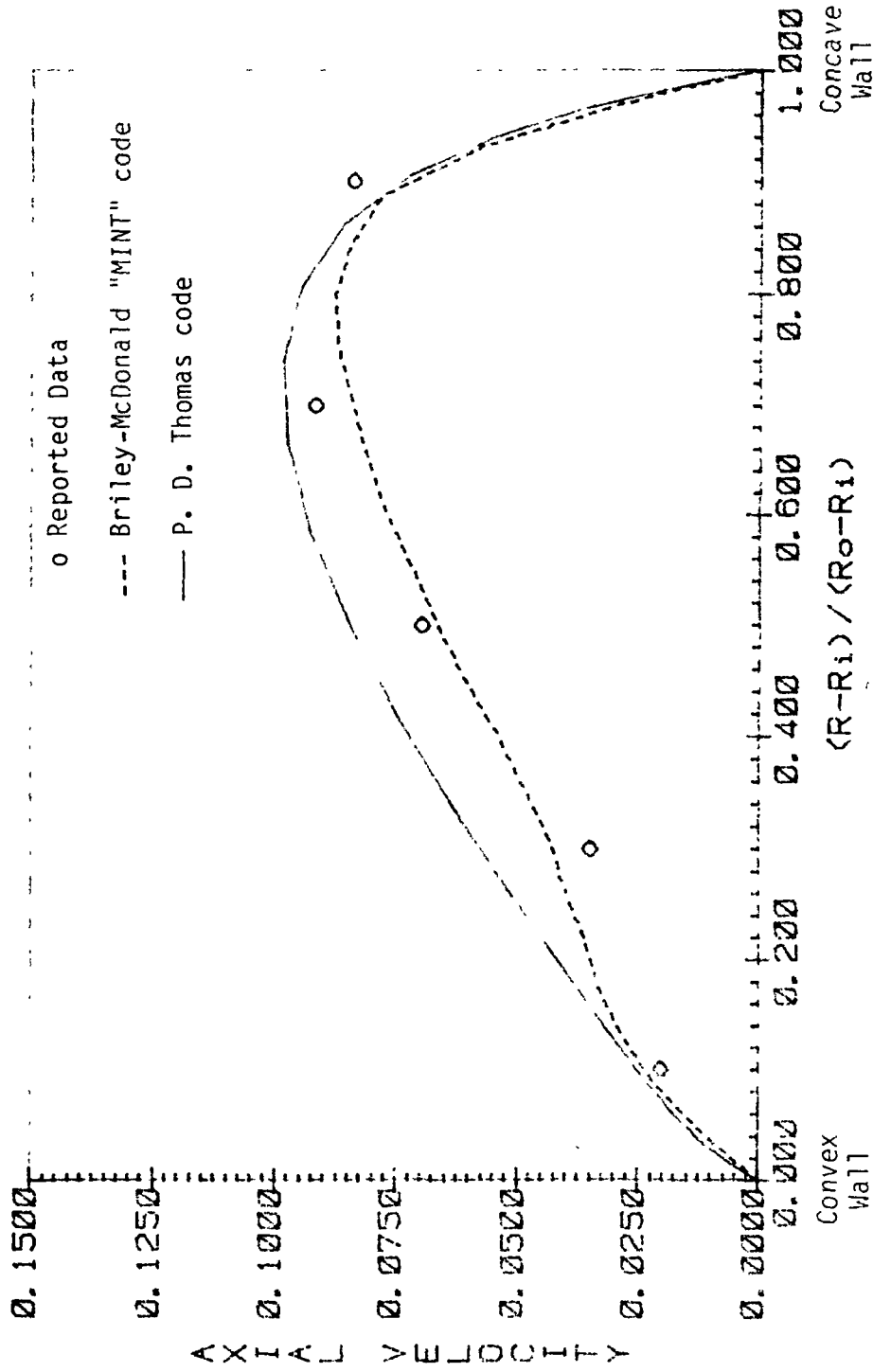


Figure 7. Axial Velocity Profile Comparison; $Z = 0, \theta = 60°$

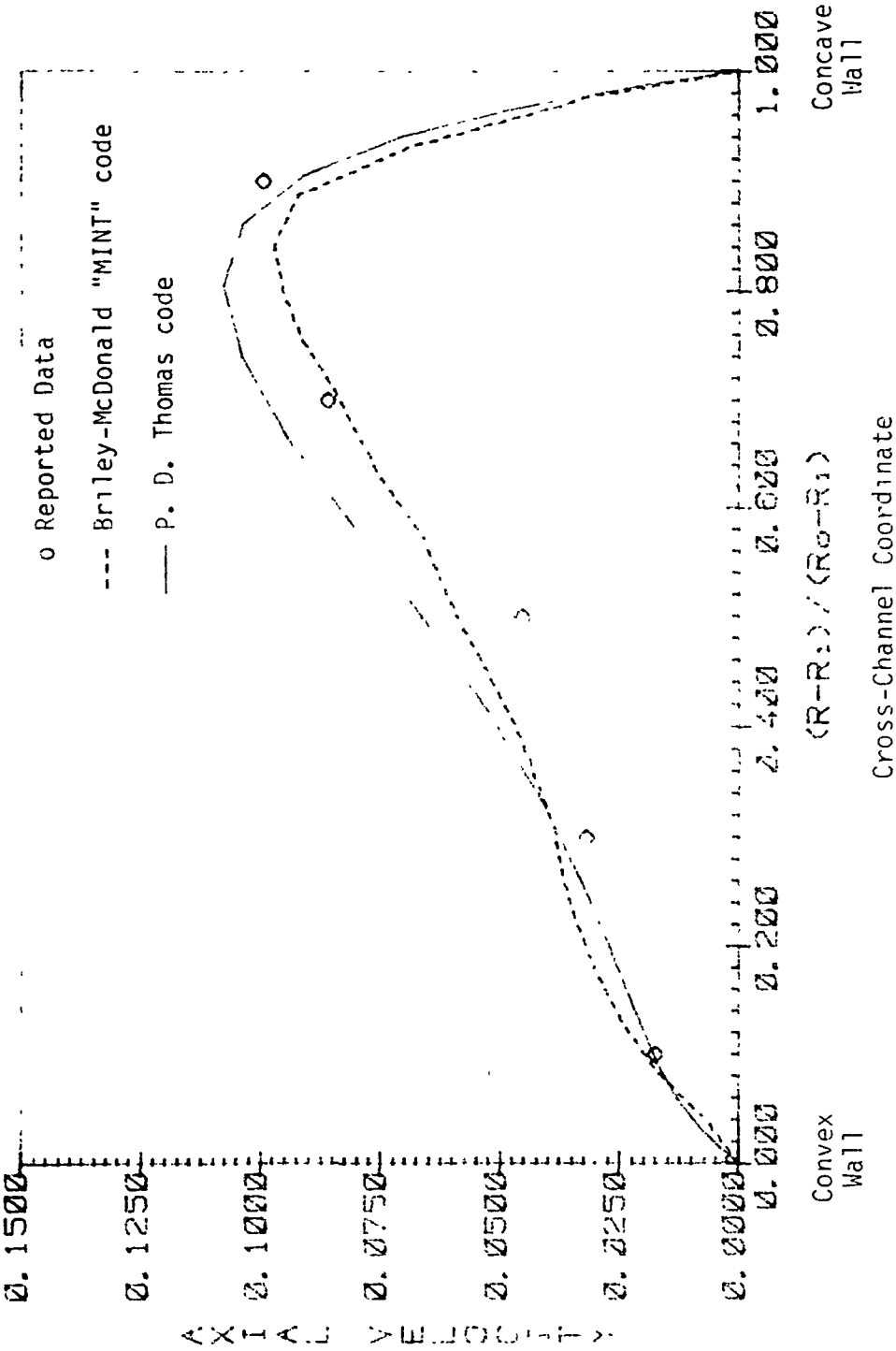


Figure 8. Axial Velocity Profile Comparison, $Z = 0, \theta = 90°$

and convergence.

3.3 Grid Refinement Studies

The grid selected for the validation case described above had 26 x 28 points in the cross stream plane and 17 streamwise planes. To investigate the effects of numerical truncation error, runs with different size grids were made. The selected grids had 21 x 21 and 32 x 32 points in the crossflow plane and 17 and 33 down stream planes respectively. Figures 9 and 10 show only small differences in the results, which indicates a small truncation error. Also, the mesh was locally refined by a factor of three on the 21 x 21 grid near the wall where a peak in the crossflow velocity occurs. No significant velocity profile changes resulted. For the entrance region profiles and Reynolds numbers evaluated, the resulting solutions were not sensitive to grid size or distribution. The discrepancy between the numerical and experimental results remains unresolved. The results do suggest that state-of-the-art N-S codes may have problems in resolving the detailed features of any complex flow.

3 4 Numerical Results for Laminar and Turbulent Boundary Layers

Following extensive code adaptation, validation and refinement, flowfield calculations were made for two Reynolds numbers corresponding to laminar and turbulent entrance boundary layers. Since the calculations were completed before the results of the experimental task were obtained, the cases were run at the same Reynolds numbers as reference 1. The laminar case was run at $R_{ed} = 790$. and the turbulent case was run at $R_{ed} = 40,000$. Both cases were run at Mach numbers of approximately 0.1. For the laminar case an inlet boundary layer thickness of 25 percent was selected, again to be compatible with reference 1. For the turbulent case, the algebraic eddy viscosity model contained in the Thomas code was used, and the sensitivity to initial boundary layer thickness was investigated. Comparative runs were made with 13 mm (0.5 in), 25 mm (1.0 in) and 51 mm (2 in) boundary-layer profiles and identical grid spacing. The 13 mm and 25 mm initial boundary layer solutions were very similar, but the 51 mm

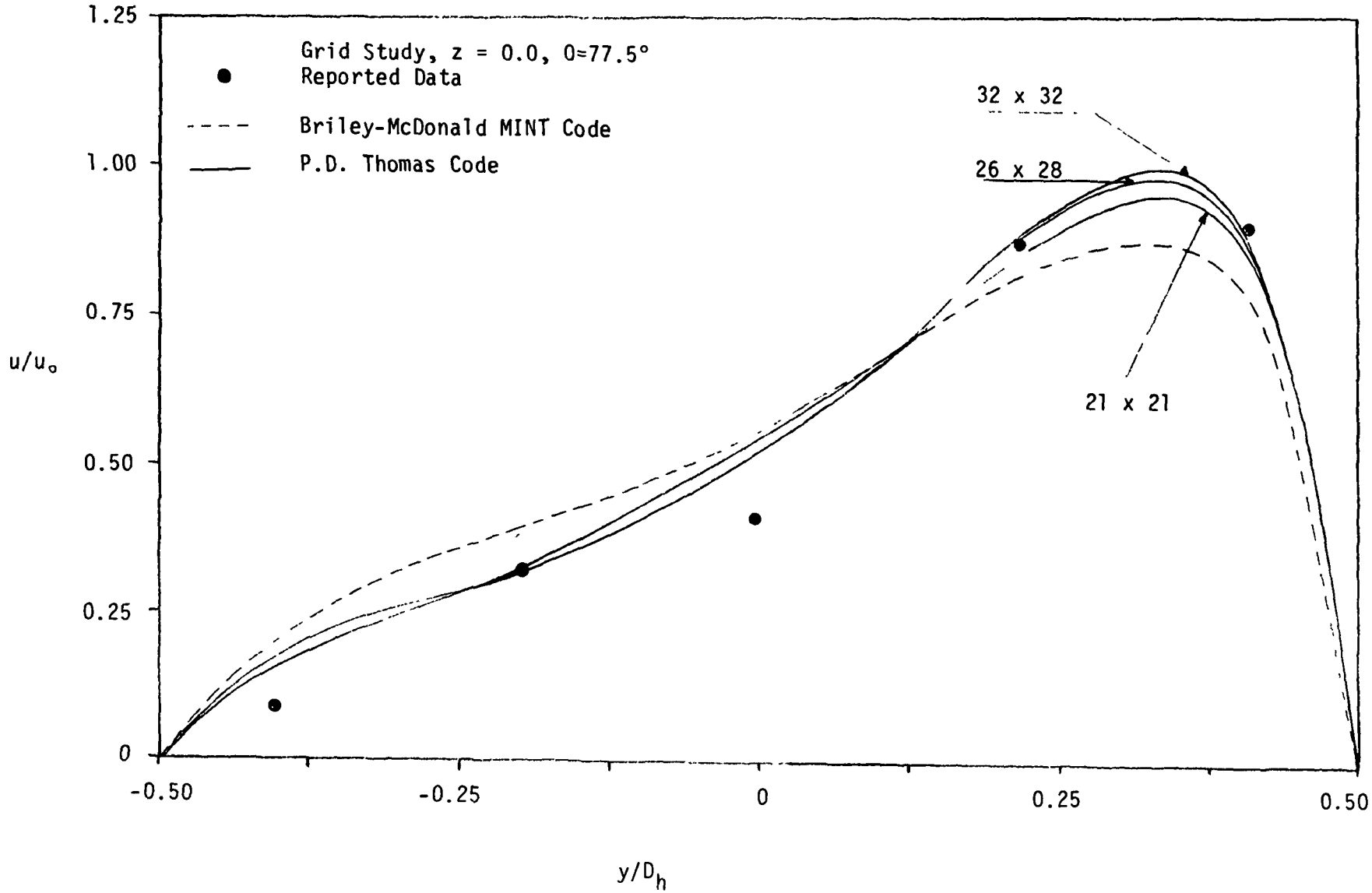


Figure 9. Grid Refinement Study, Axial Velocity

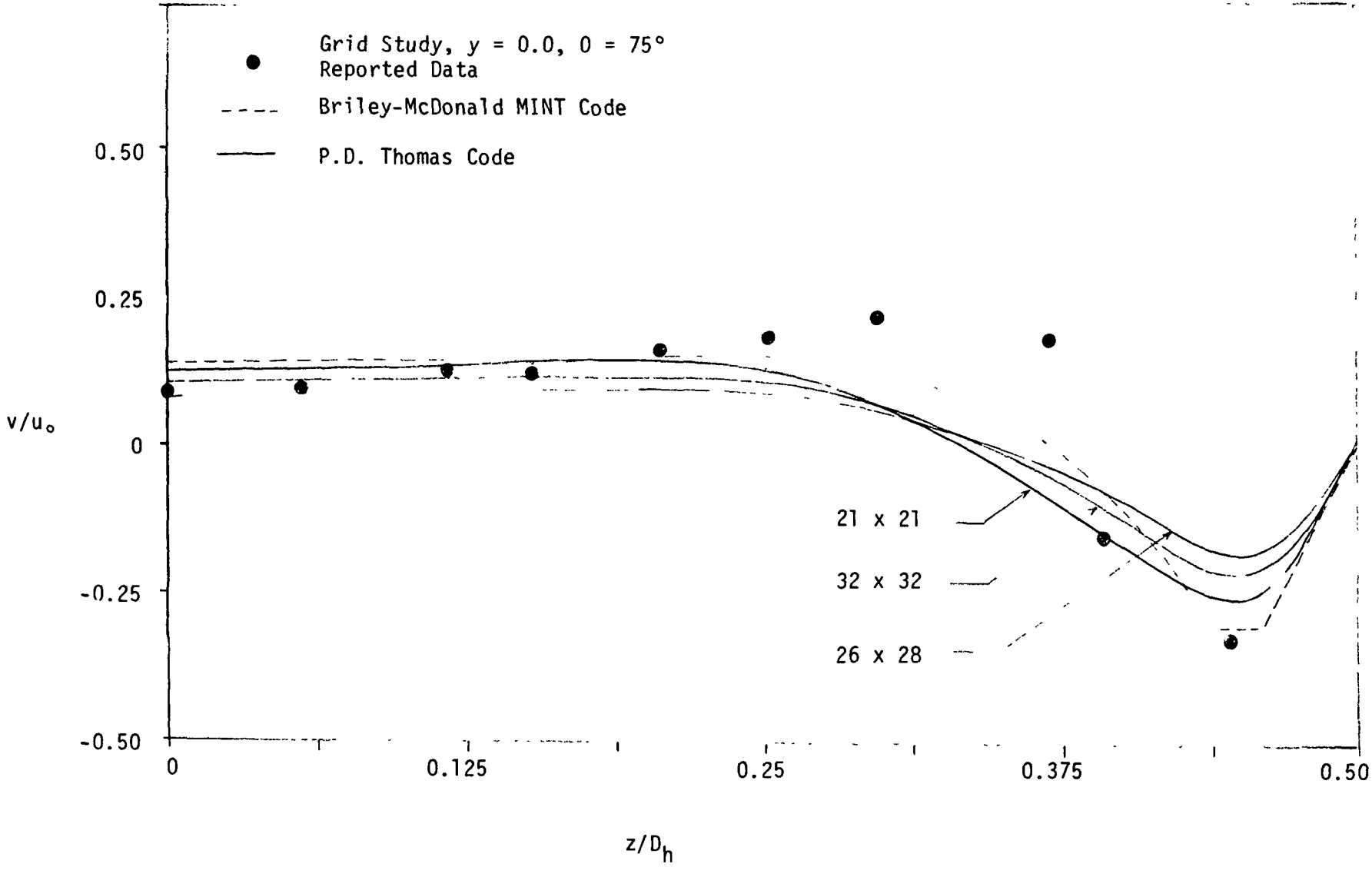


Figure 10. Grid Refinement Study, Radial Velocity

boundary layer solution was considerably different. These results may be explained, qualitatively, by considering vorticity effects in the flowfield. In all three cases, the vorticity entering the duct turn was about the same. In the first two cases, the initial vorticity was confined to a region near the duct wall, while in the third the initial vorticity was distributed over 40-percent of the duct half-height. The similarity of the two "thin" boundary layer solutions may indicate an axial numerical diffusion caused by insufficient grid resolution for the large gradients in the boundary layer, or may be a realistic physical result where the downstream flow depends on only the total inlet vorticity as long as it is confined to a thin region. Indeed, Thomas has even suggested that the number of grid points in the boundary-layer region be reduced to one. A check on mass conservation was made for both the laminar and turbulent flow calculations. axial mass flux was integrated over each cross section plane. the resulting mass flow variation was less than 0.5 percent.

Figures 11 and 12 present the calculated axial velocity profiles for the curved duct exit station ($\theta = 90°$) for the laminar and turbulent cases, respectively Note that both sets of velocity profiles are very similar and do not show significant influence of Reynolds number or boundary-layer tubulence. Although figures 11 and 12 agree well with Whitelaw's results from reference 1 for thick boundary layer flow at low Reynolds number, the next section will show less satisfactory agreement with experimental data

Figures 13, 14, and 15 present the calculated crossflow results for axial stations $\theta = 30°, \theta = 60°, \theta = 90°$. The resulting circulating flow pattern, which contains high crossflow velocities in the boundary layer, is dominated by the thickness of the inlet viscous layer. Lack of agreement with the experimental data presented in the next section can be attributed to insufficient grid resolution and unrealistically thick entrance boundary layers for the numerical solution initial conditions.

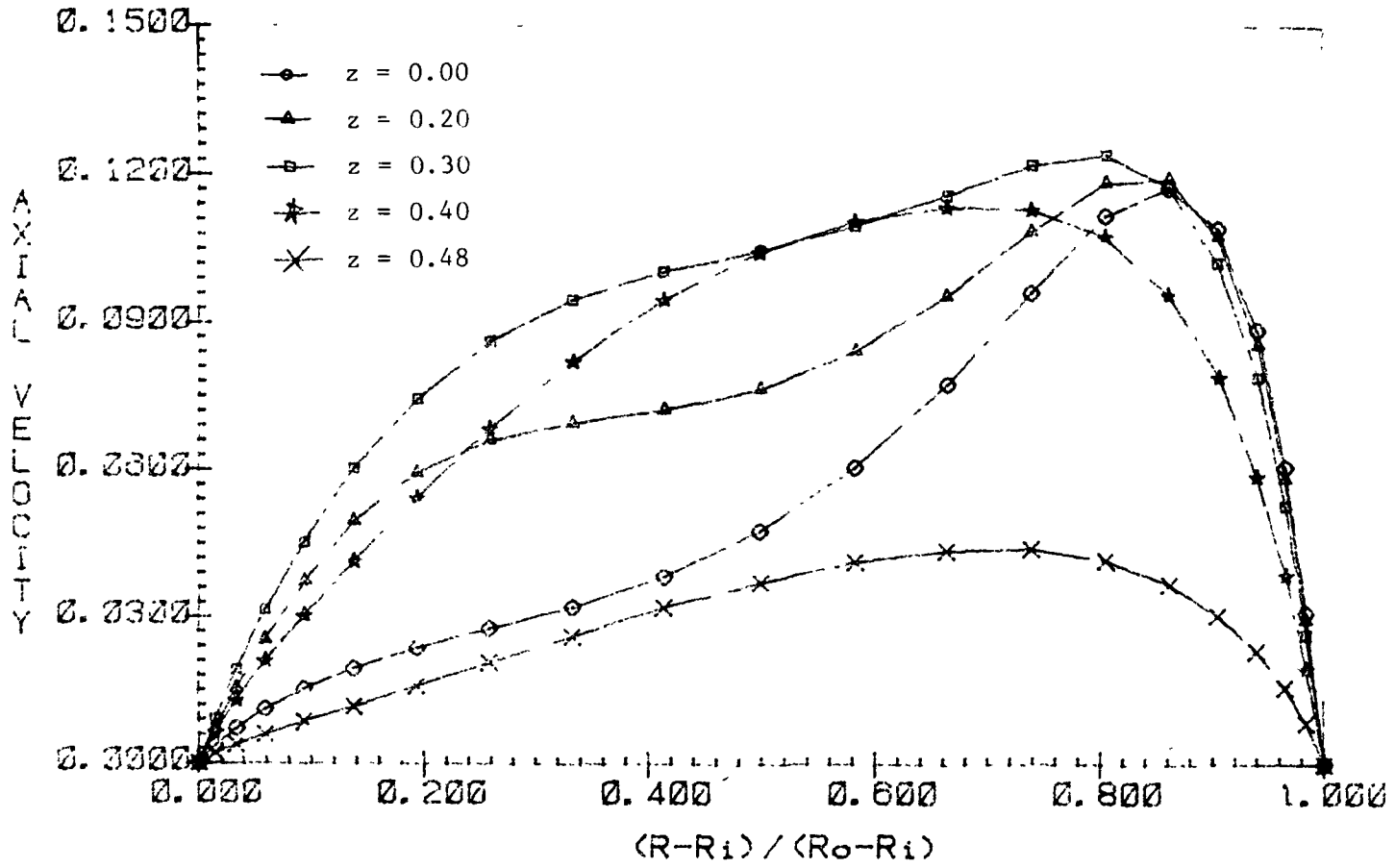


Figure 11. Axial Velocity Profile, Laminar, $\theta = 90°$

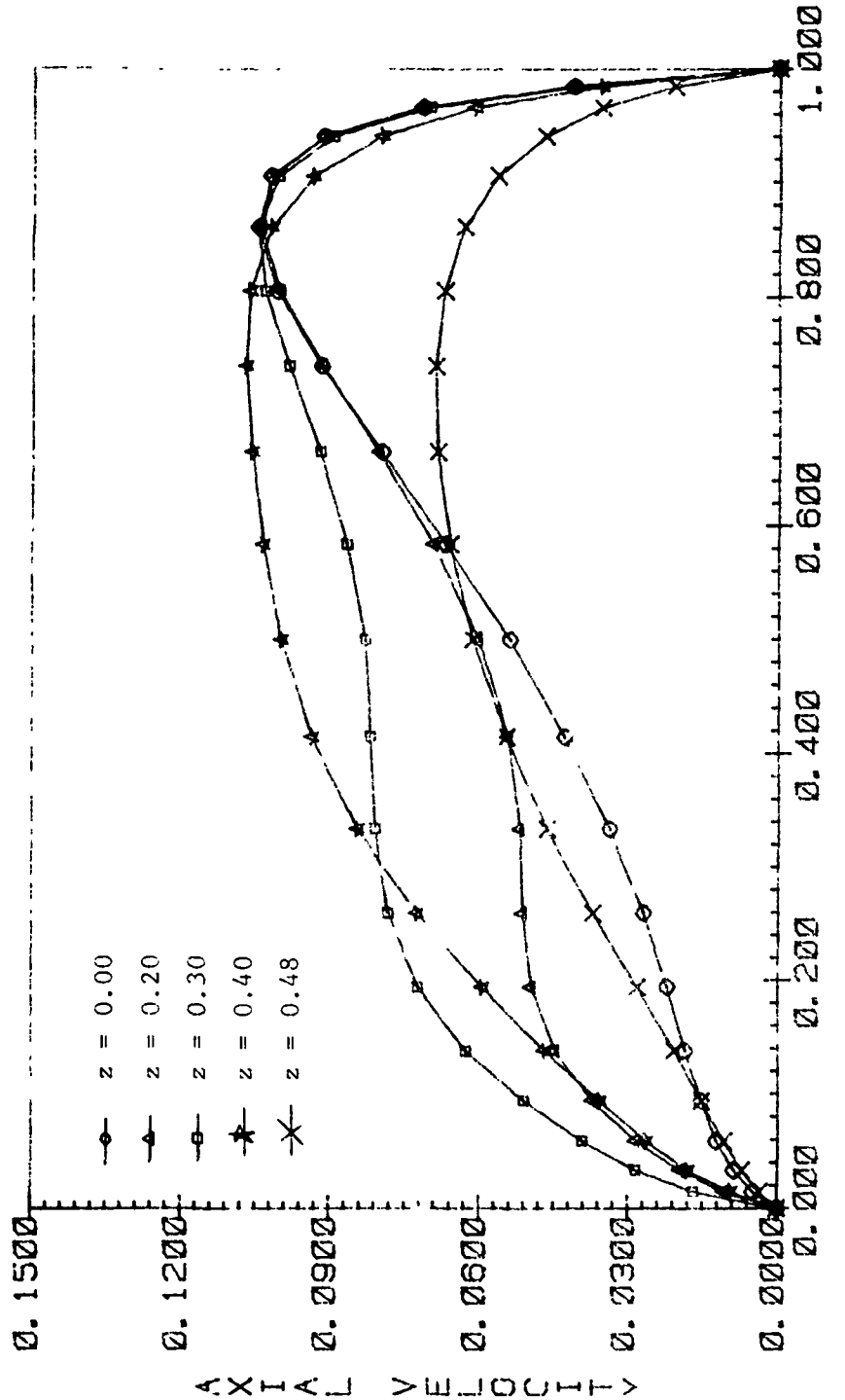


Figure 12. Axial Velocity Profile, Turbulent, $\theta = 90°$

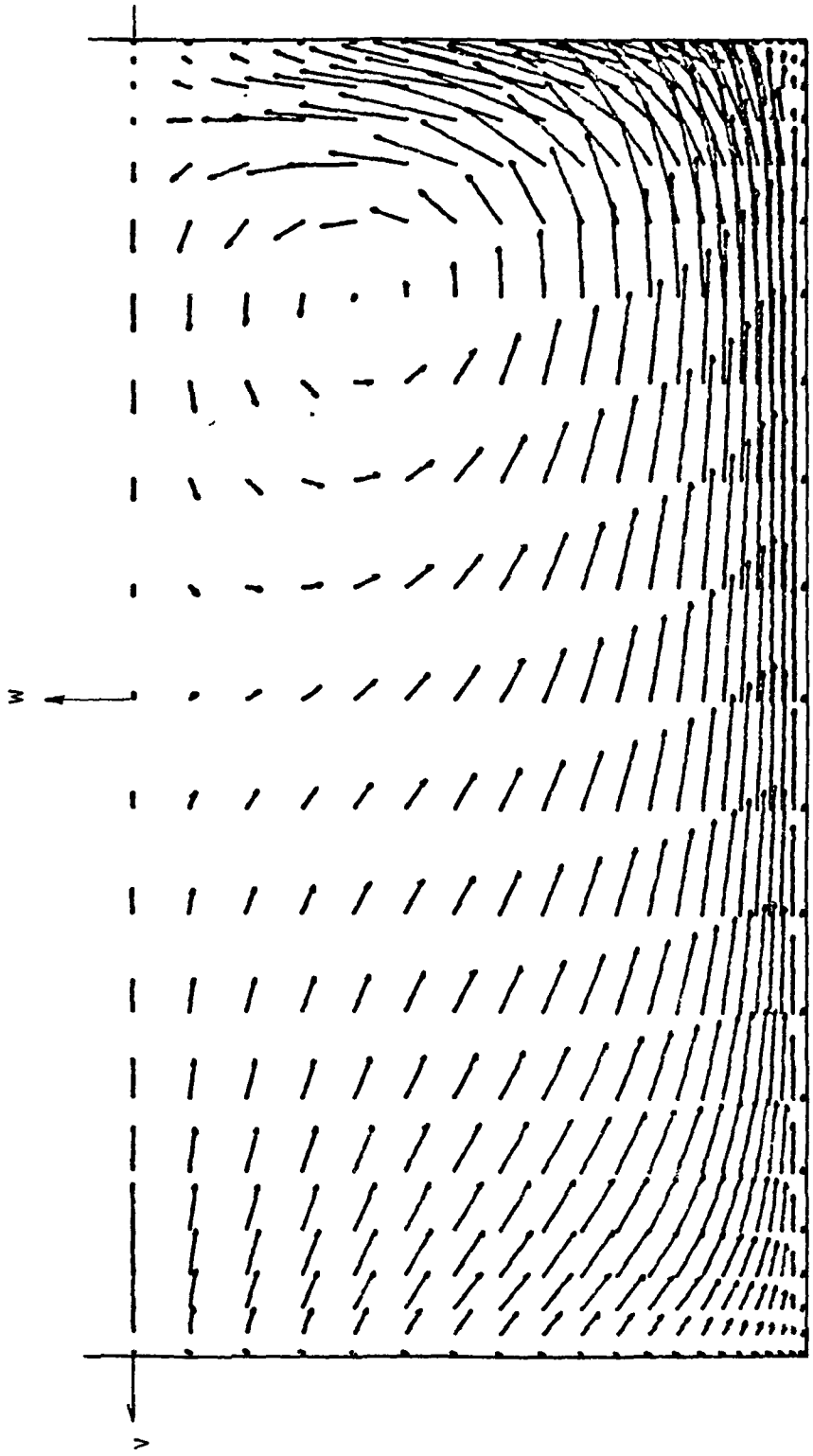


Figure 13. Crossflow Velocity Field, $\theta = 30°$

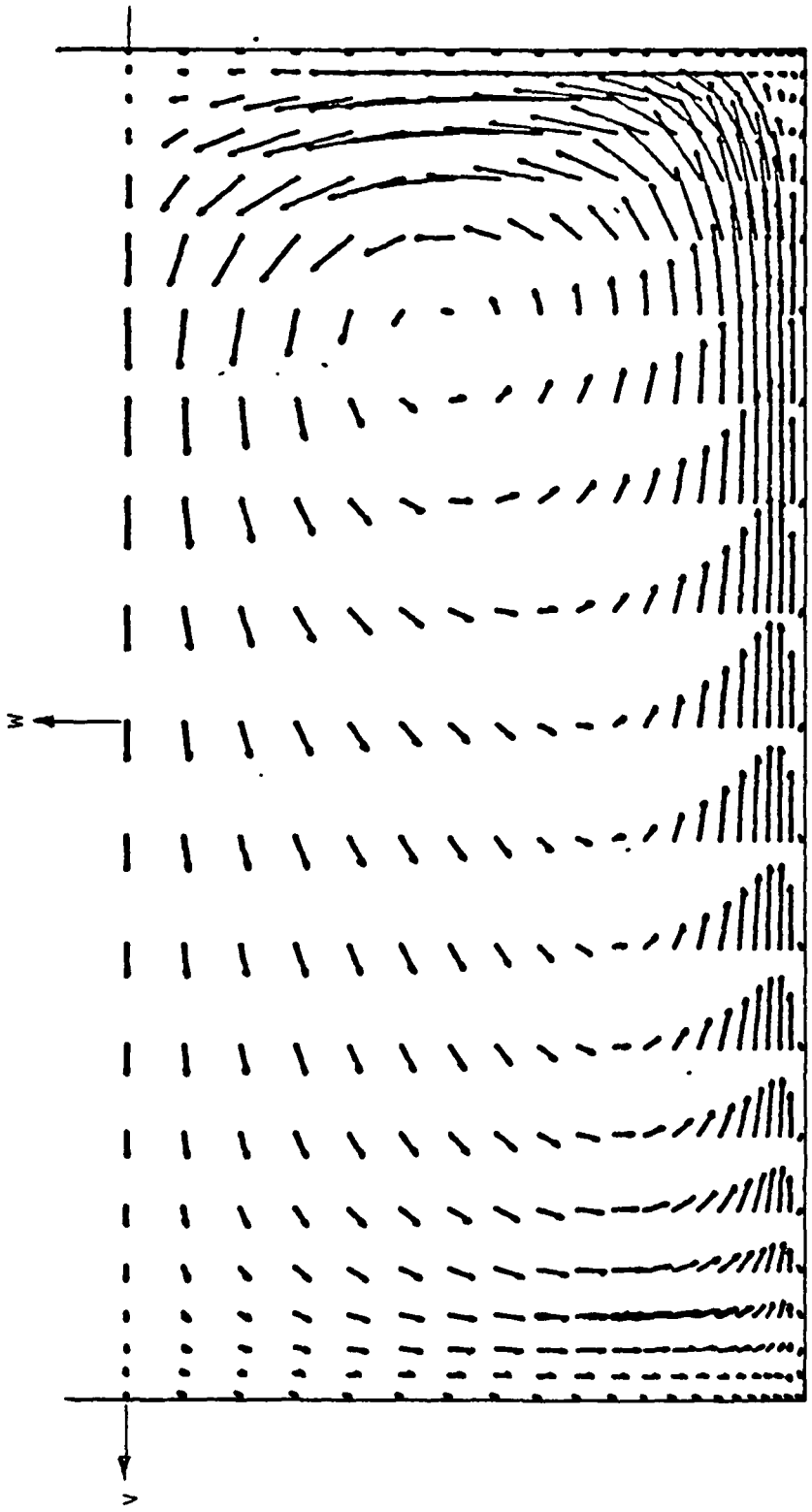


Figure 14. Crossflow Velocity Field, $\theta = 60°$

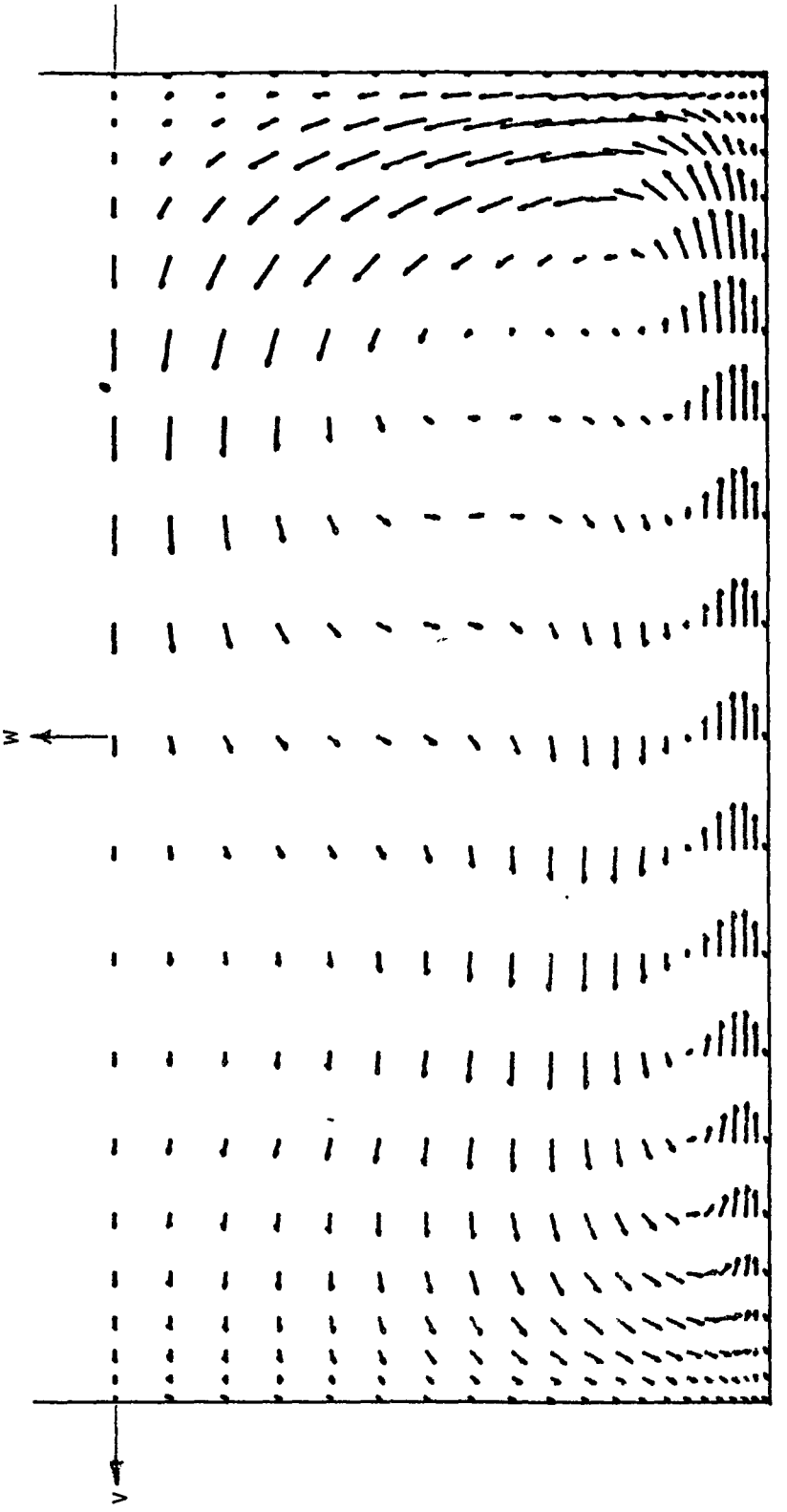


Figure 15. Crossflow Velocity Field, $\theta = 90°$

4. PRESENTATION OF RESULTS

The experimental data was acquired at two flow conditions, one at a low Reynolds number (98,000) corresponding to a duct bulk flow velocity of 6 m/s, and one at a high Reynolds number (328,000) corresponding to a duct bulk flow velocity of 20 m/s. The low Reynolds number flow provided a thin laminar boundary layer at the entrance to the curved duct ($\theta = 0°$). However, the Reynolds number was too high to maintain a laminar boundary layer throughout the 90° turn. This transitional flow was unavoidable because of the large physical dimensions of the curved duct and minimum stable operating velocity of 4 m/s. The high-Reynolds-number flow provided a thin turbulent boundary layer at the entrance of the curved duct.

To assure that there were no extensive separated-flow regions in the curved duct, detailed wall static pressure surveys were conducted at conditions corresponding to the selected test cases. Inlet and exit total pressure surveys were also taken to evaluate duct flow quality. Typical experimental data plots are presented in the following section, and detailed data plots are presented in Appendix A and Appendix B. A complete set of data from the experiments is contained on magnetic tape at the NASA-Lewis Research Center and is listed in Appendix C and Appendix D

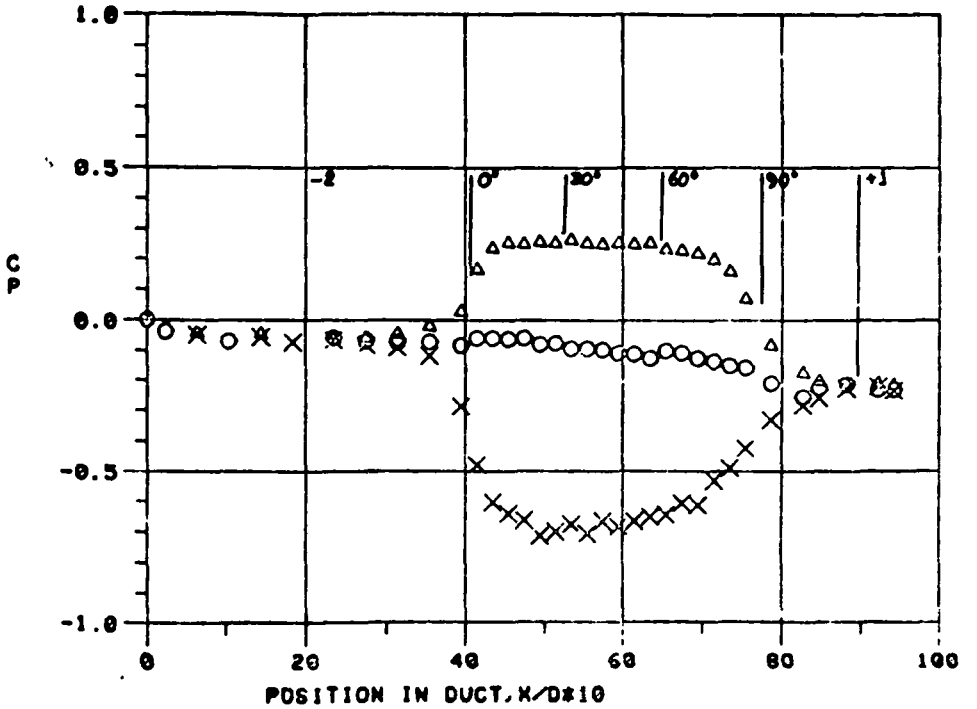
4.1 Summary of Experimental Results

Wall Static Pressure Distribution The wall static pressure distributions from the centerline of the suction wall, pressure wall and top wall were reduced to pressure coefficient form (C_p). Figure 16 presents the static pressure coefficients for the low and high Reynolds number cases. The smoothness of the C_p profiles indicates the quality of the duct construction and sensitivity of the precision pressure transducers Many wall static pressure surveys were taken before and during the laser velocimeter data acquisition and all results were consistent. One of the dominant duct flow characteristics is clearly shown in the pressure coefficient plots. The large axial pressure gradients on both the suction and pressure walls induce the large crossflows in the low energy

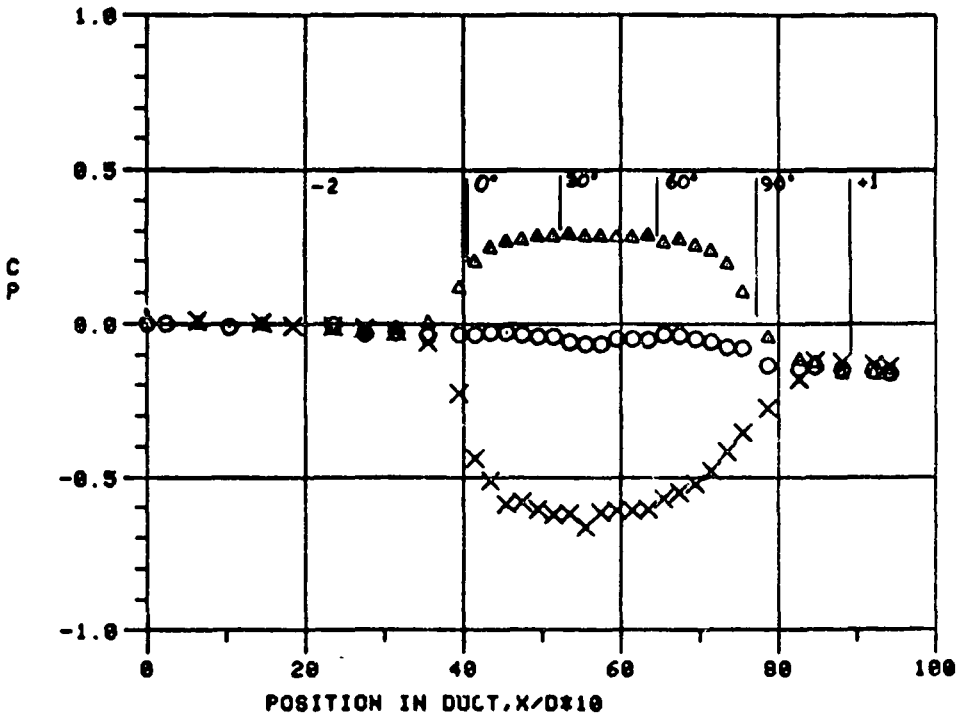
boundary layer. Note that, in non-dimensional C_p form, the pressure gradients are nearly identical for the low and high Reynolds number cases. The only difference in pressure distribution between the two cases presented in Figure 16 is the larger C_p drop along the duct for the low Reynolds number case. This difference is perhaps a result of a thicker boundary layer for the low Reynolds number flow.

Axial Velocity Profiles The primary component of velocity in the curved duct flowfield is the axial or x-component. It is the boundary layer generated by the axial velocity that is driven by the curved-duct pressure gradient to form the complex crossflows in the y and z directions. Thus, it is important to first consider the development of the axial velocity in the curved duct. The mean velocities presented in this section have been non-dimensionalized by the inlet bulk velocity (6 m/s or 20 m/s). To correct all data points to the same bulk velocity, the velocity at the tunnel inlet centerline ($y = 0, z = 0$) was utilized as a reference. Data were obtained by computer-controlled scan files containing twenty to thirty spatial data points. A zero-zero reference data point was taken at the beginning and end of each scan file to check for tunnel stability. The velocity components in each scan file were then non-dimensionalized by the average axial velocity of the two zero-zero data points. An average of all the center-line axial velocities from all scan files for one measurement station was then non-dimensionalized by bulk velocity, and this non-dimensional centerline velocity was used to correct each non-dimensional velocity to the bulk velocity reference. This somewhat complicated procedure corrected the entire data set, for one measurement station, for small changes in tunnel operating conditions. For those applications where actual velocity is required simply multiply the low-Reynolds-number mean velocities (U, V, W) by 6 m/s and the high-Reynolds-number mean velocities by 20 m/s.

Figure 17 and 18 present a comparison of low and high Reynolds number axial velocity profiles at the $Z = 0$ plane for all six measurement stations. Note that at two duct widths upstream of the $\theta = 0$ entrance to the 90^o bend the velocity profile is uniform with a boundary layer thickness of 5 to 10 percent of the duct half-width. The



a. Low Reynolds Number Flow



b. High Reynolds Number Flow

Figure 16. Wall Static Pressure Distribution

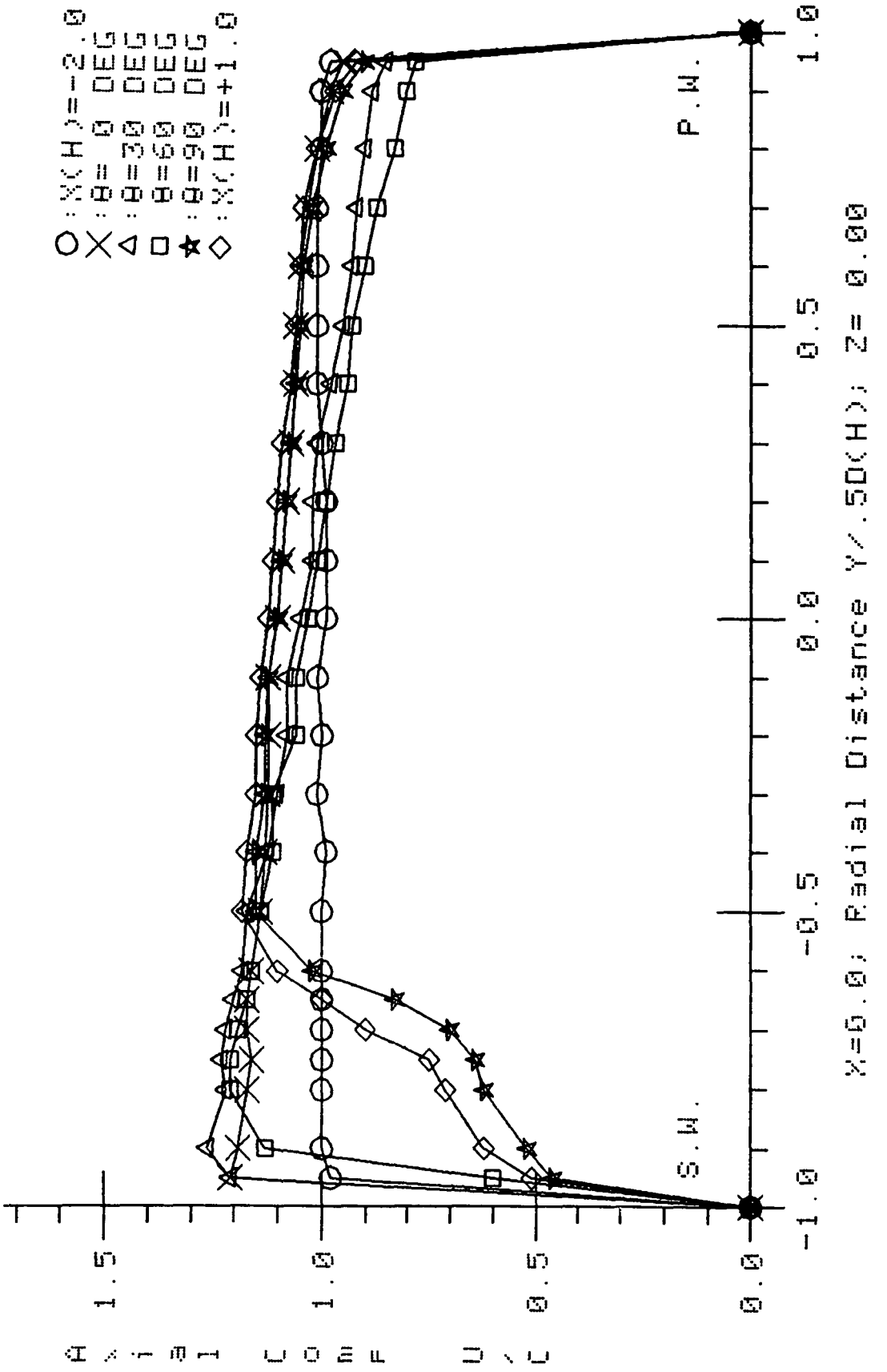


Figure 17. Experimental Axial Velocity, Low R_{ed}, $Z = 0_10$

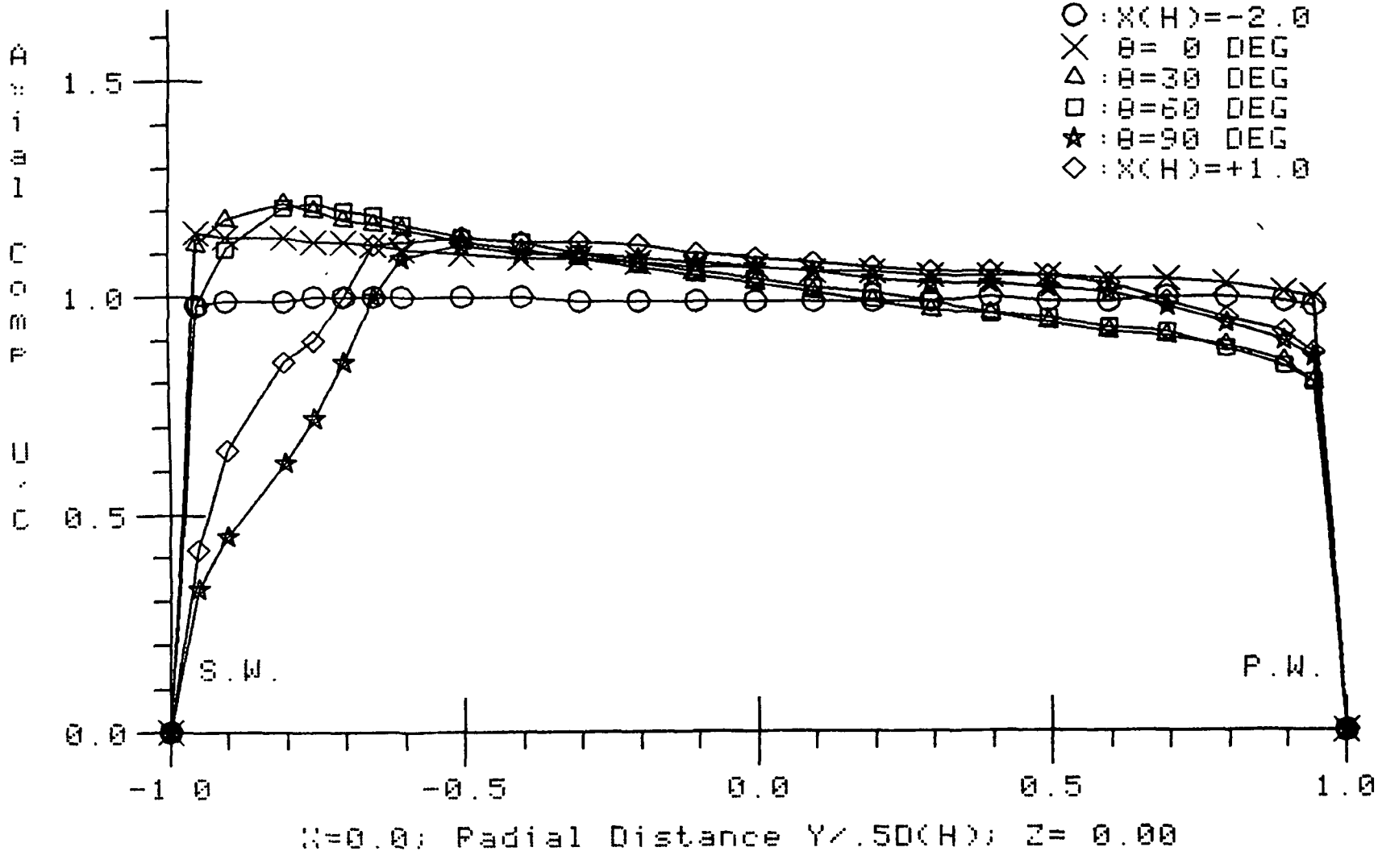


Figure 18. Experimental Axial Velocity High $R_{ed}, Z = 0_1 0$

velocity gradient between the suction wall to the pressure wall is well established at the $\theta = 30^o$ station, and remains nearly constant until suction-wall pressure gradients retard the flow between $\theta = 60^o$ and $\theta = 90^o$.

To illustrate the variation of axial velocity in the z-direction, Figure 19 compares the low and high-Reynolds number axial velocities for the $\theta = 30^o$ station. Six z-planes are shown from the duct center plane down to 4 mm from the bottom wall. Only the bottom scan shows any influence of the z-direction velocity gradient. This data has not been non-dimensionalized thus there is some scatter in the core velocity profiles. There is, of course, a much greater z-variation in the axial velocity at stations $\theta = 60^o$ and $\theta = 90^o$. See Appendix A and Appendix B for additional axial velocity profiles.

Crossflow Velocity Field The crossflow movement of the pressure gradient driven boundary layer has a very important influence on convective heat transfer. Thus the development of the crossflow velocity field in the curved duct was a major area of interest in this investigation. The crossflow vector plot provides the best presentation and easiest understanding of this flowfield. Figures 20 and 21 show the development of the low-Reynolds-number crossflow for the $0^o, 30^o, 60^o$, and 90^o measurement planes. At the $\theta = 0$ entrance to the 90^o turn, the suction-wall and pressure-wall gradients have already influenced the crossflow, which results in a general flow toward the suction wall. The streamline curvature and radial acceleration effects have already reversed the general crossflow direction at $\theta = 30^o$ except for the top and bottom wall boundary layers, which continue to accelerate toward the suction wall. At the $\theta = 60^o$ plane the classic, curved-duct crossflow has been established. The magnitude of the crossflow velocities outside of the boundary layer are generally less than 5 percent of the axial velocity. However, in the developing boundary layer along the top, bottom and suction-walls crossflow, velocities of 20 percent magnitude are found. The crossflow velocities reach a maximum value at the $\theta = 90^o$ plane. The developing boundary layer has been moved by the strong crossflow and collects near the center of the suction wall in a region of high turbulence and low axial velocity. Downstream of the 90^o plane, the

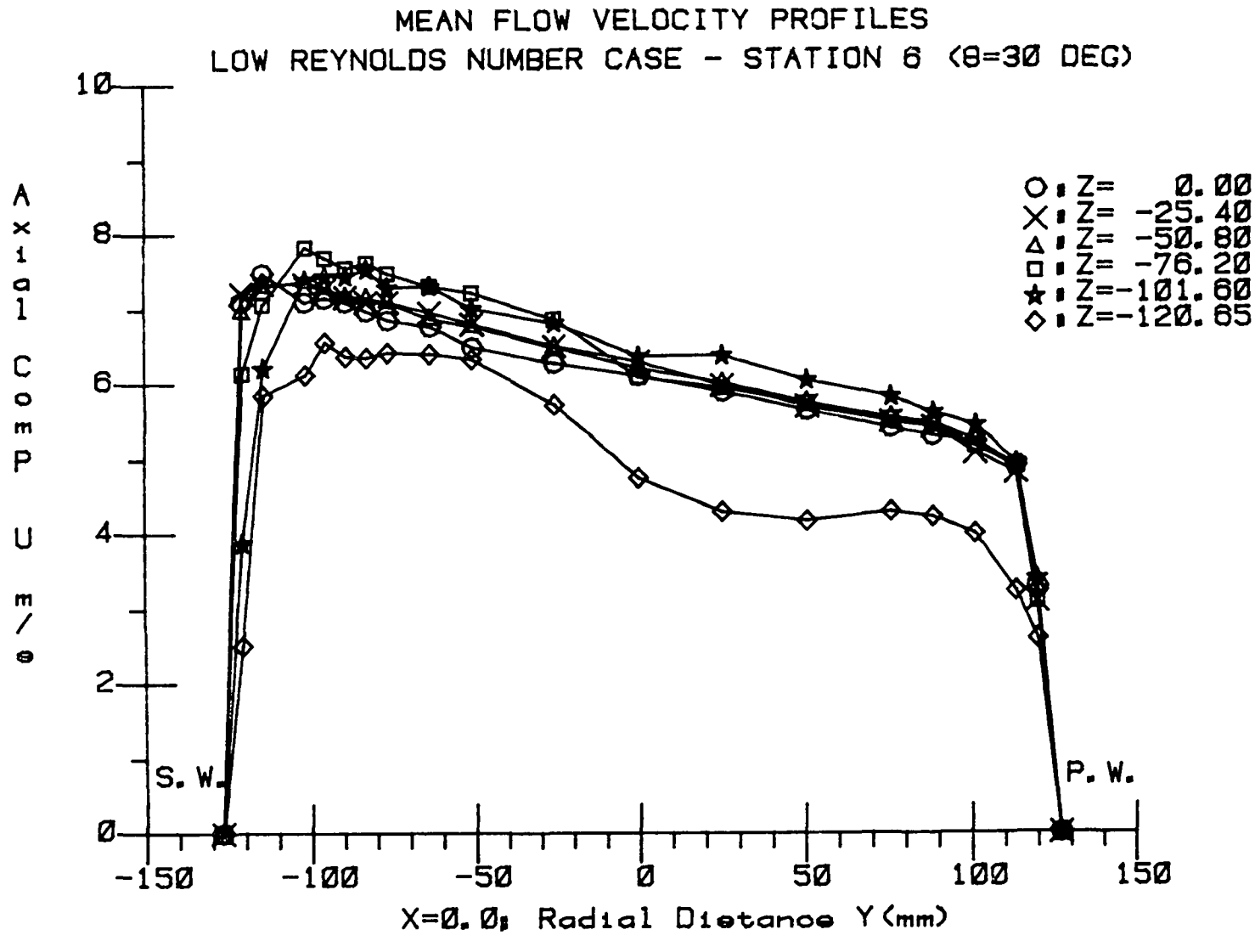
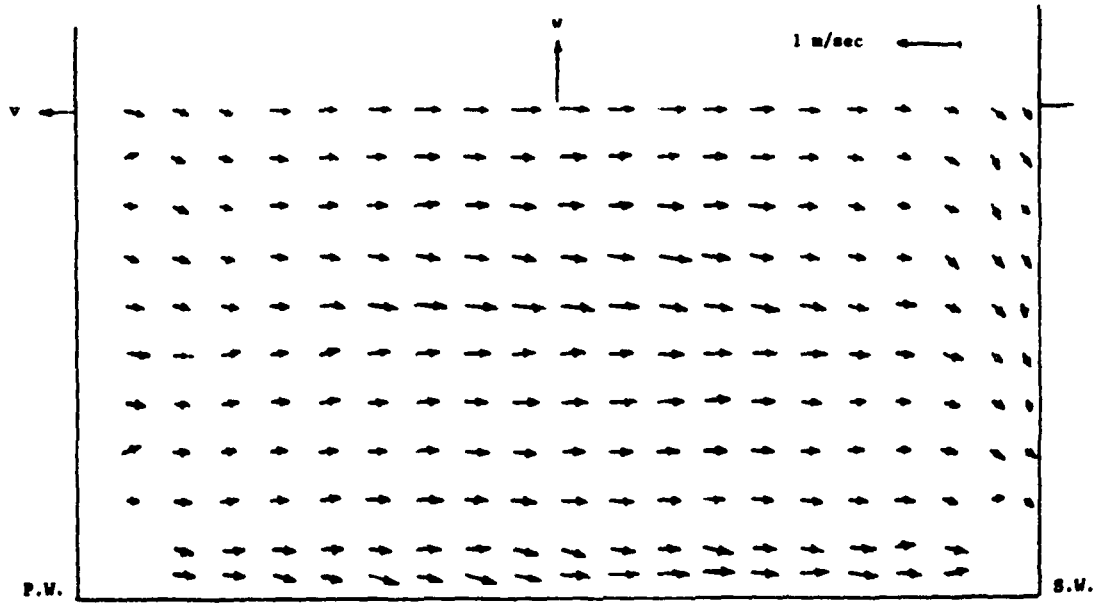


Figure 19. Experimental Axial Velocity Profiles, $\theta = 30°$

STATION 4, 0° CROSSFLOW

$U_\delta = 6$ M/SEC



STATION 6, 30° CROSSFLOW

$U_\delta = 6$ M/SEC

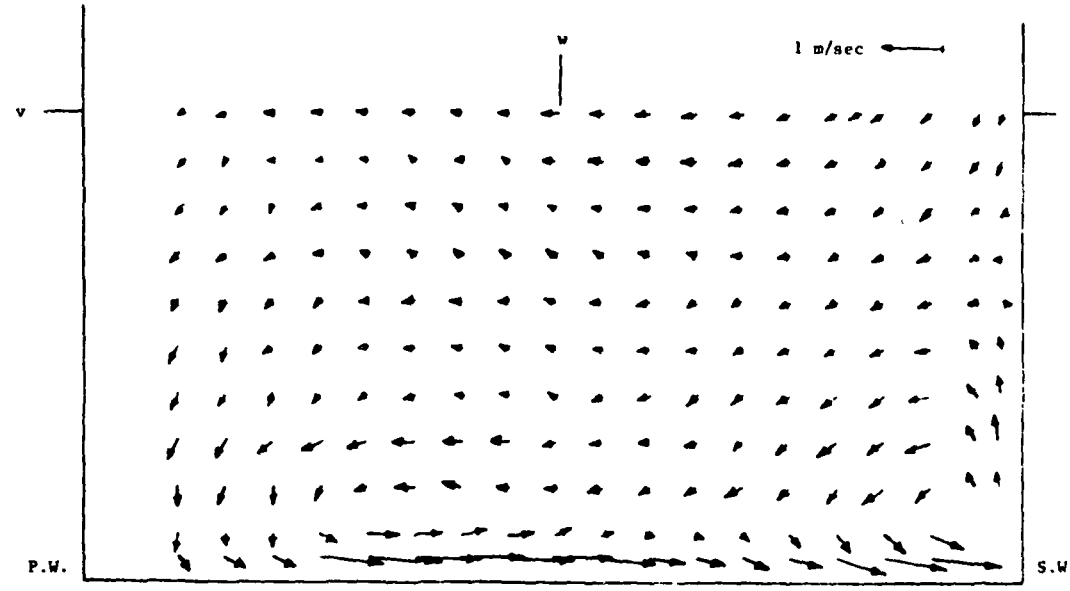
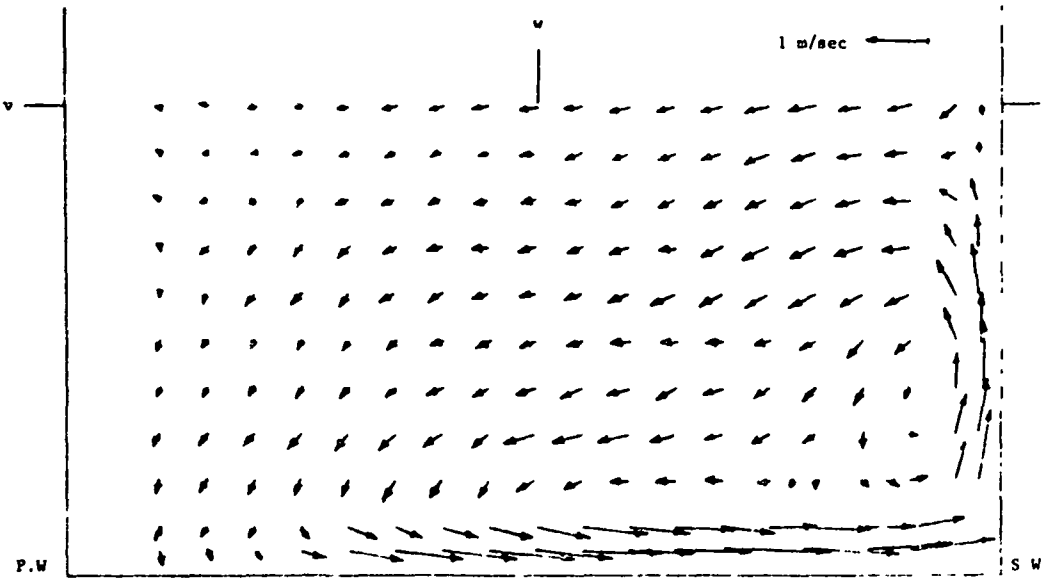


Figure 20. Experimental Crossflow Velocity, $\theta = 0°, \theta = 30°$

STATION 8, 60° CROSSFLOW

$U_\infty = 6$ M/SEC



STATION 10, 90° CROSSFLOW

$U_\infty = 6$ M/SEC

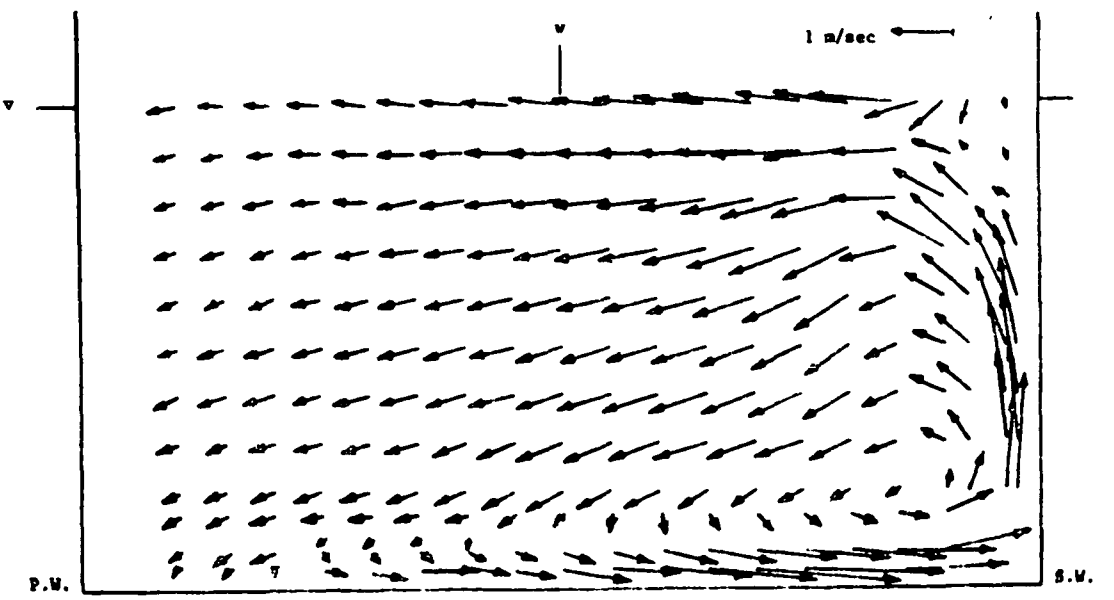


Figure 21. Experimental Crossflow Velocity, $\theta = 60°, \theta = 90°$

strong crossflow toward the pressure wall decays rapidly but the circulation pattern near the suction wall persists.

The non-dimensional crossflow field for the high-Reynolds-number case is nearly identical to the low-Reynolds-number flow described above.

Turbulence Intensity Distribution The mean turbulence intensity measurements presented in this section were made with the 3-D laser velocimetry system. Average sample size per data point was 300 which is considered small for turbulence measurements. (This sample-size limit was imposed by the available microcomputer system.) A single-wire, hot-wire anemometer was used to check the LV turbulence intensity. In general the LV measurements of intensity were 1 percent higher than the hot-wire measurements. Thus the turbulence intensity values presented in this report should be considered high by 1 percent with an accuracy of ± 1 percent.

Figure 22 compares the low-Reynolds-number duct centerline turbulence intensity with the high-Reynolds-number values. The turbulence distribution is nearly identical for the two flow conditions. The core-flow turbulence intensity downstream of the inlet screens was measured at 2-4 percent which is a reasonable level The boundary layer intensity levels were measured at 6-10 percent which is also typical for thin turbulent boundary layers. Note that all turbulent intensities were non-dimensionalized with duct bulk velocity.

4 2 Analysis and Evaluation of Results

The experimental database established by this investigation is of benchmark quality, and the experimental conditions are representative of actual turbine cascade flows. The experimental Reynolds numbers, Deans numbers and boundary-layer characteristics are significantly different from previous benchmark curved-duct experimental parameters Although incompressible, the turbulent flow Reynolds number of 328,000, based on duct width, combined with a 5 to 10 percent boundary layer thickness based on duct half-width, provides a very challenging flowfield for CFD code development

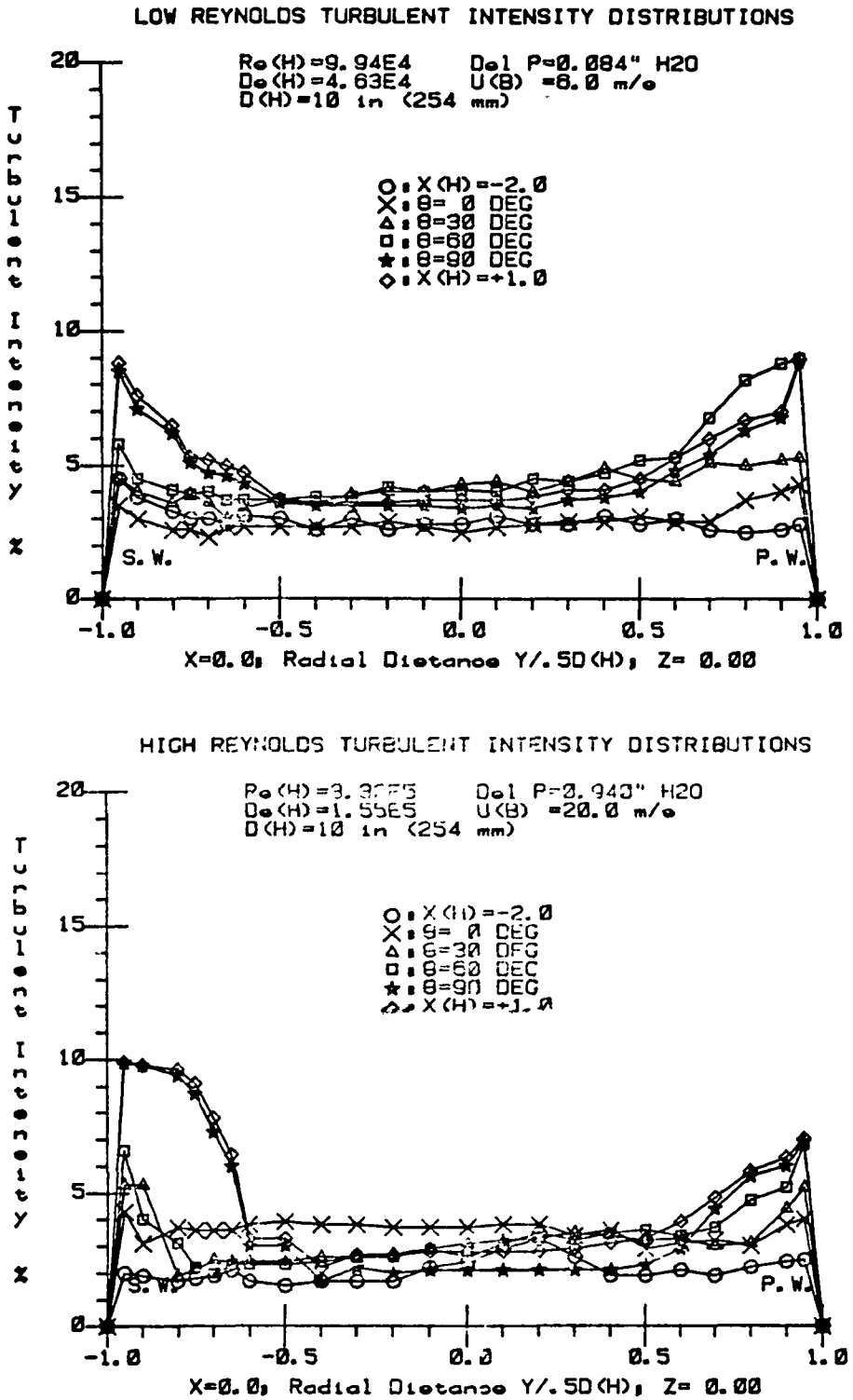


Figure 22. Turbulence Intensity Comparison, $Z = 0_1 0$

and validation. The experimental conditions produce large velocity gradients in the axial and crossflow directions in the relatively thin boundary layer regions. A CFD code which provides good results for low-Reynolds-number, thick-boundary-layer flows may not accurately solve the realistic flowfield benchmarked in this investigation.

Since the numerical results were computed before the experimental results were obtained, actual test parameters and initial-boundary layer conditions were not utilized in the numerical investigation. Direct numerical-to-experimental comparison is not possible, however, the sensitivity study conducted with the CFD code highlights several areas of concern. Grid spacing refinement and improved turbulence modeling are the two recommended improvement areas for making the CFD code results agree with experimental results. The grid-refinement studies conducted in this investigation showed only a very small influence on the results, which were in poor agreement with experimental data. The addition of a simple turbulence model to the CFD computations also showed small sensitivity in the results. Thus this investigation has produced an experimental database for a relatively simple flowfield which provides a significant challenge for CFD code development

5. CONCLUSIONS AND RECOMMENDATIONS

This investigation complements the results of Taylor, Whitelaw and Yianneskis, ref. 1, and extends the experimental database to higher Reynolds number and thinner entrance boundary layers. The 5% to 10% thick boundary layers, based on duct half-width, resulted in a large region of near-potential flow in the duct core surrounded by developing boundary layers with large crossflows. The turbulent entrance boundary layer case at $R_{ed} = 328,000$ provides an incompressible flowfield which approaches real turbine blade cascade characteristics. The experimental results of this investigation provide a challenging benchmark database for computational fluid dynamics code development.

Based on the CFD studies conducted as a part of this investigation the following recommendations are offered.

1. The grid spacing that was successful for calculating laminar flow with thick boundary layer will not be adequate for the thin boundary layer case.
2. The thin turbulent boundary layer flowfield will require improvements in both grid resolution turbulence modeling, and perhaps in the computational algorithms
3. Particular attention should be placed on the distribution of axial calculation planes in regions of high axial pressure gradient The axial velocity profile must be accurately calculated to assure proper development of the crossflow field
4. The importance of the turbulence model and its influence on the CFD results was not determined in this investigation. However, the database established will allow the future investigation of the inadequacies of locally dependent turbulence models.

LIST OF SYMBOLS

A	Flow area
C_p	Static pressure coefficient - $\frac{P-P_{ref}}{q}$
D_h, d	Duct hydraulic diameter (width, height)
D_e	Deans number - $(d/2r_c)^{\frac{1}{2}} R_{ed}$
f	Signal frequency
N	Fringe crossing count
n	Number of clock pulses
P	Pressure
q	Duct dynamic pressure (inlet)
R_{ed}	Reynolds number based on d
R_i	Duct inner wall radius
R_o	Duct outer wall radius
r_c	Mean radius of curvature
U	Non-dimensional velocity (x-direction)
u	x-velocity component
V	Non-dimensional velocity (y-direction)
v	y-velocity component
W	Non-dimensional velocity (z-direction)
w	z-velocity component
x	Axial coordinate (main flow direction)
y	Radial coordinate
z	Vertical coordinate
S	Fringe spacing
ϵ	Aperiodicity
σ	Turbulence intensity
τ	Fringe period

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3. Briley, W.R., Buggeln, R C., and McDonald, H.: Computation of Laminar and Turbulent Flow in 90-Degree Square Duct and Pipe Bends Using the Navier-Stokes Equations, SRA Report R82-920009-F, 1982.

4. Thomas, P.D.: Numerical Methods for Predicting Flow Characteristics and Performance of Non-Axisymmetric Nozzles, NASA CR 3157, September, 1979.

APPENDIX A

Low Reynolds Number Data $R_{ed} = 98,000$

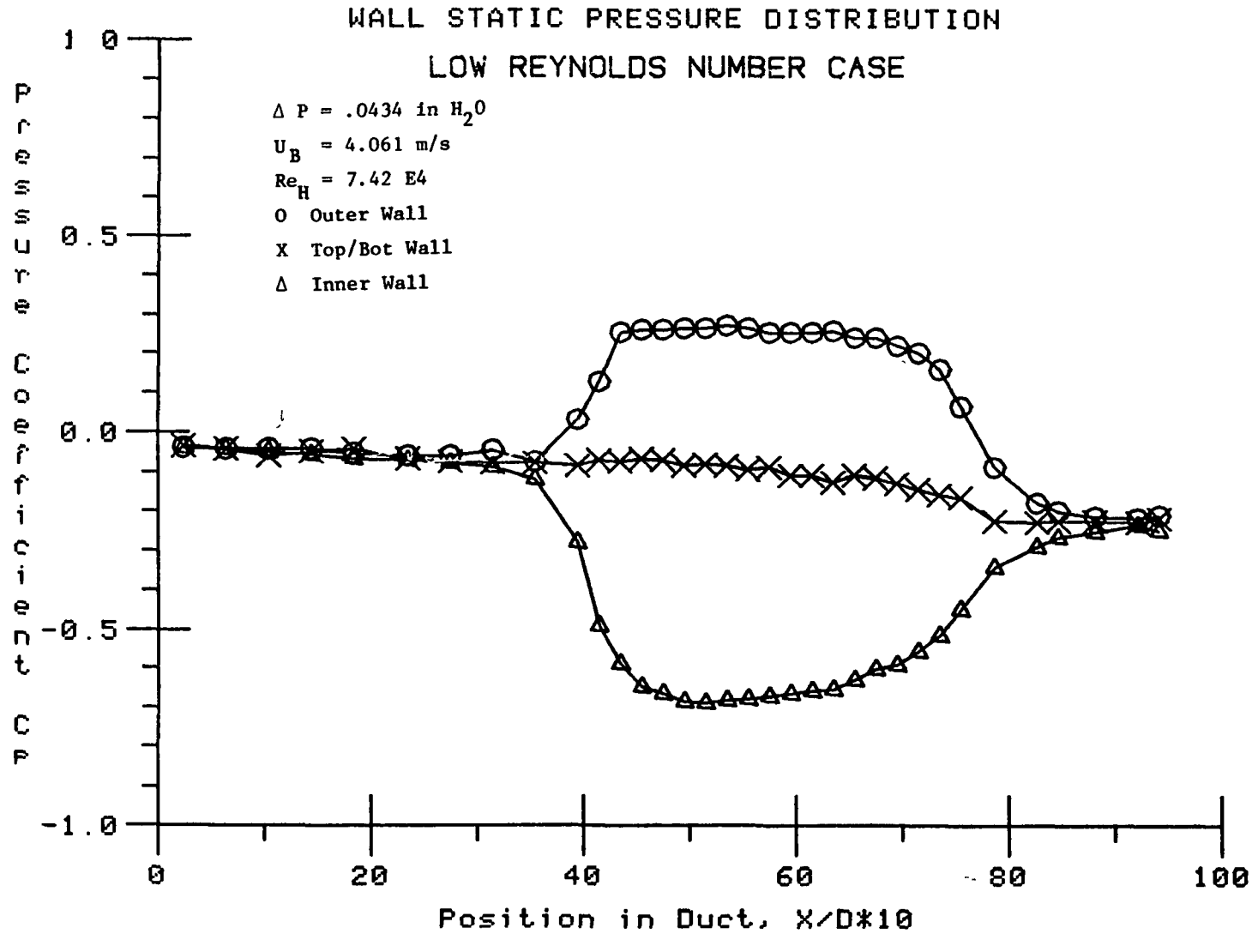

Figure A-1 Wall Static Pressure Distribution

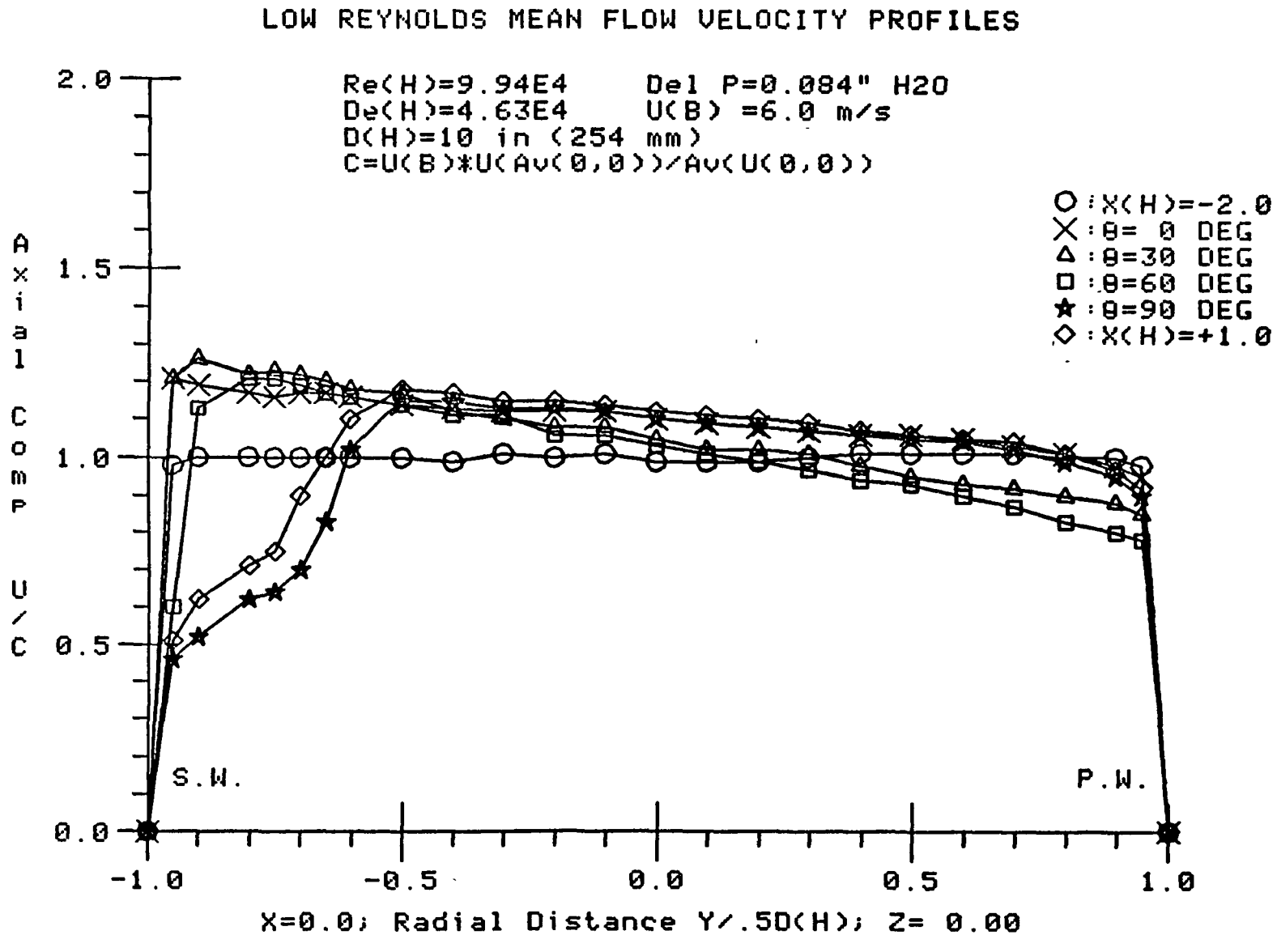

Figure A-2 Axial Velocity Profile, $Z = 0.00$

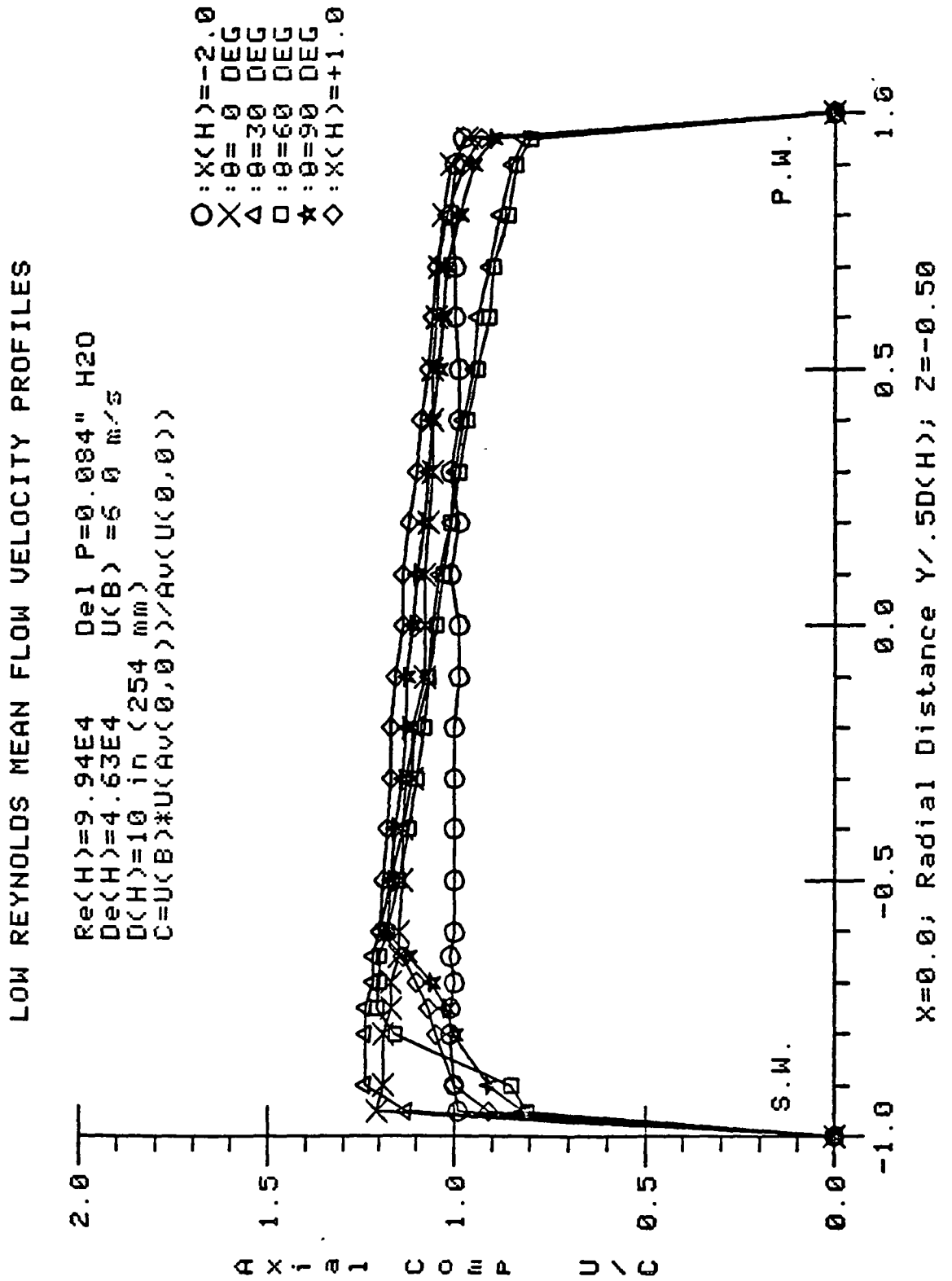

Figure A-3 Axial Velocity Profile, $Z = -0.50$

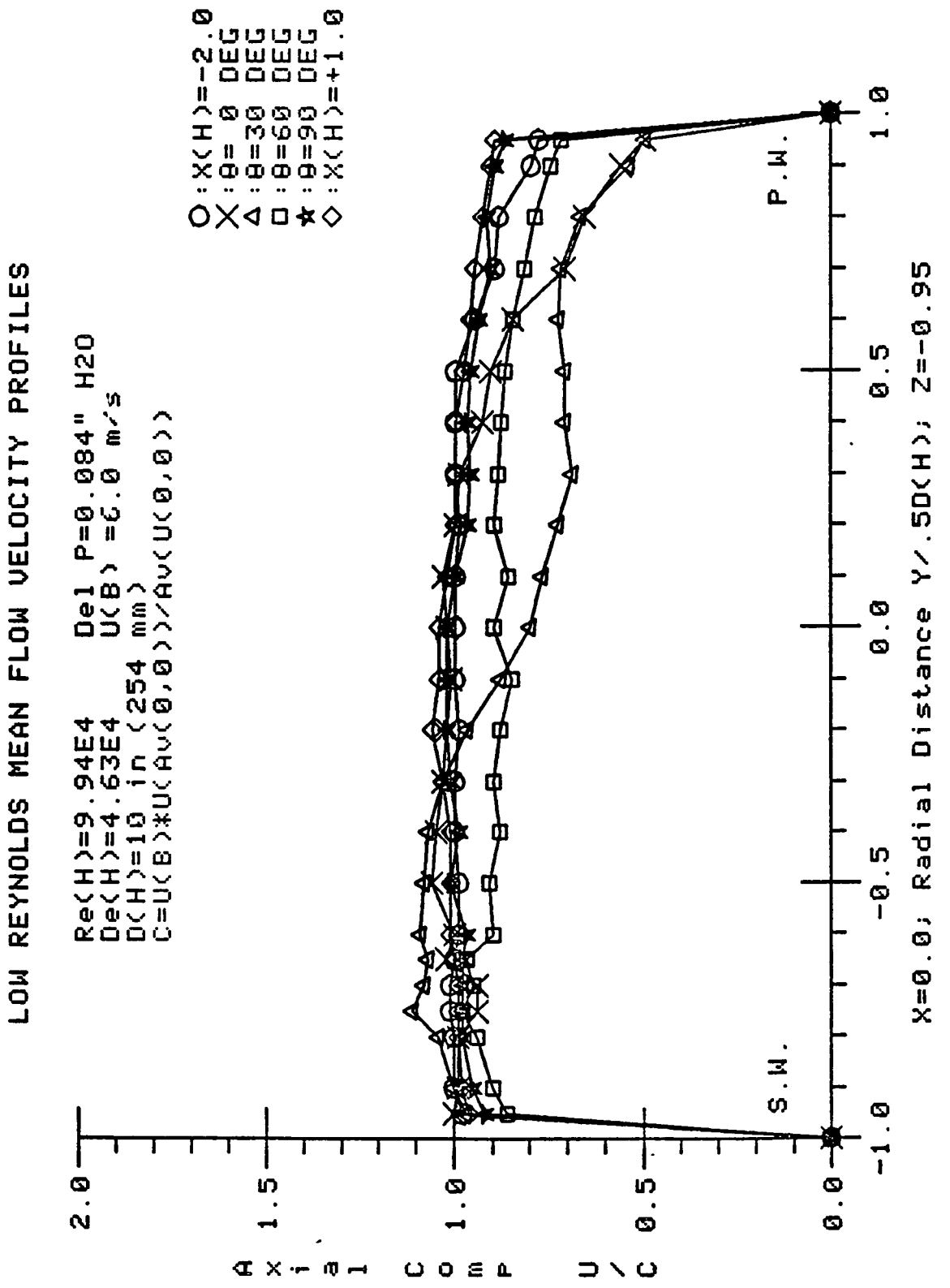

Figure A-4 Axial Velocity Profile, $Z = -0.95$

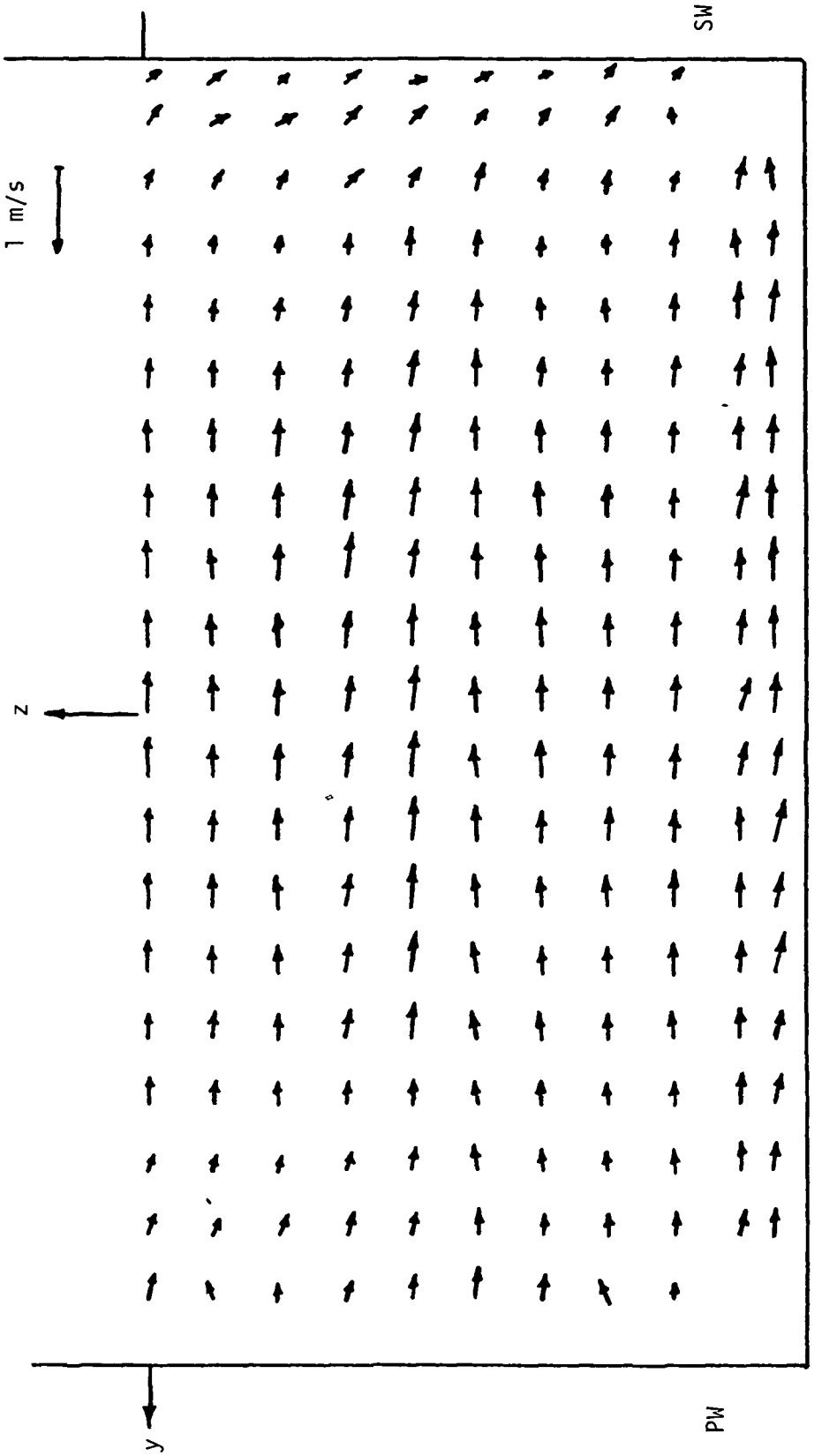

Figure A-5 Crossflow Velocity Field, $\theta = 0°$

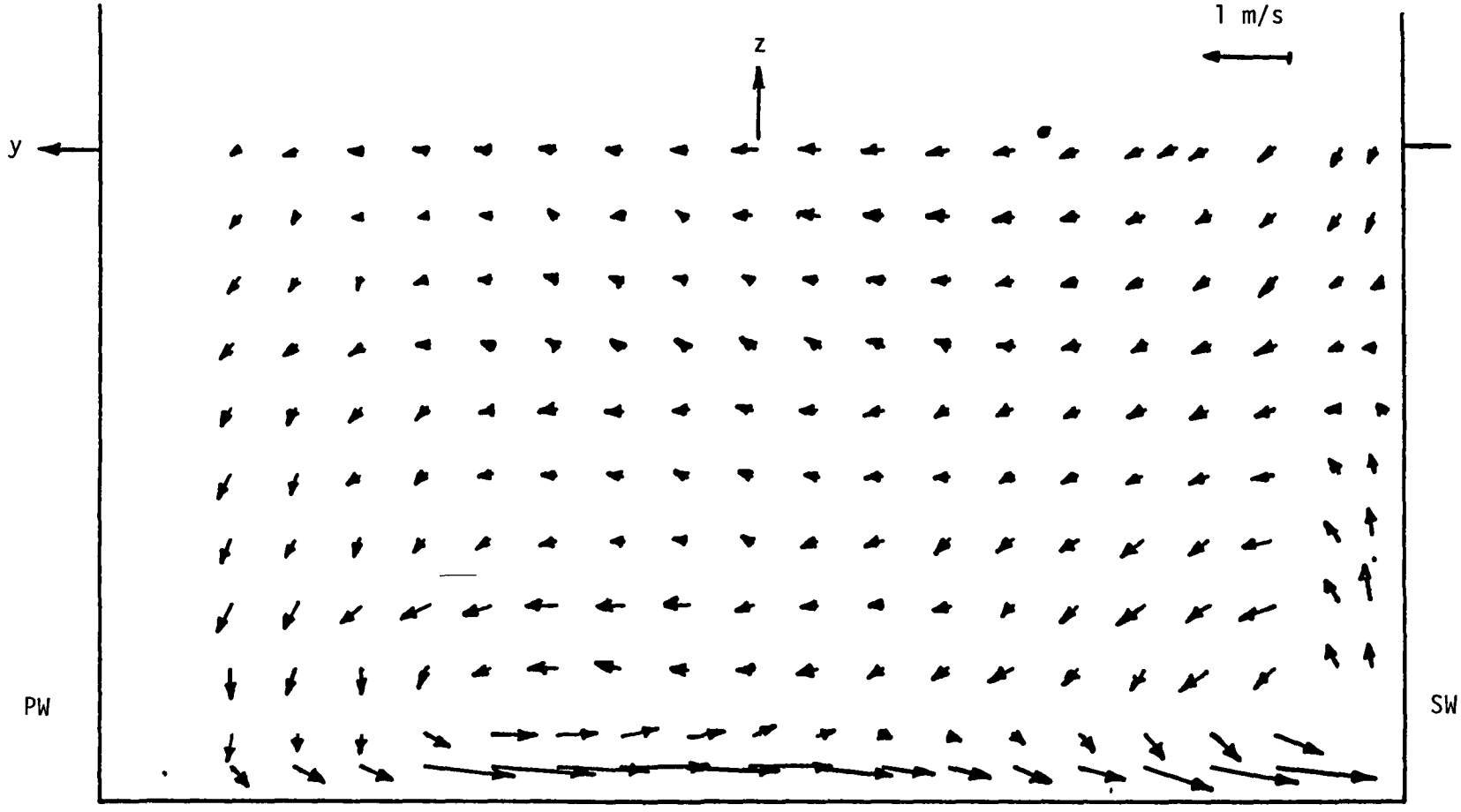

Figure A-6 Crossflow Velocity Field, $\theta = 30^{o}$

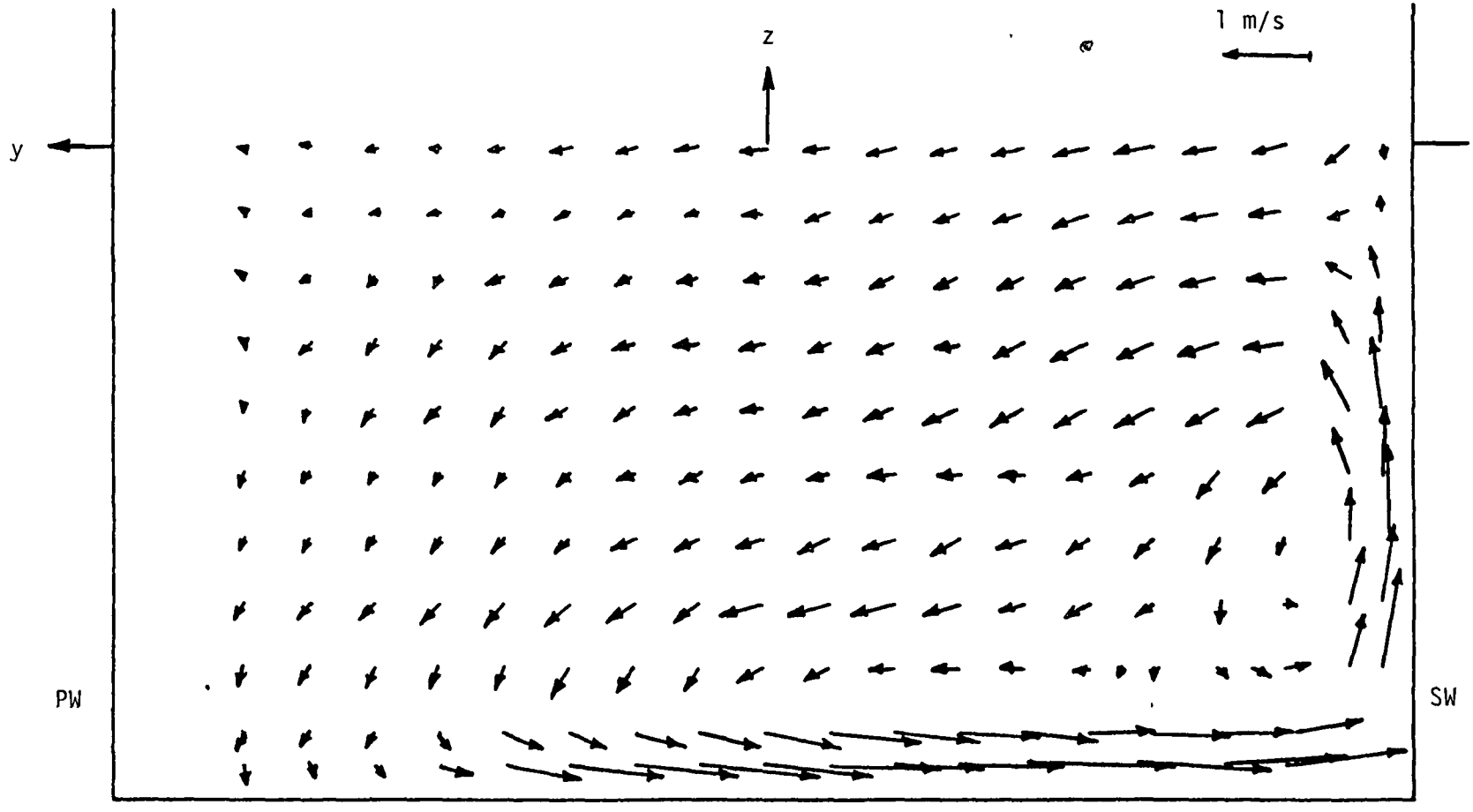

Figure A-7 Crossflow Velocity Field, $\theta = 60^o$

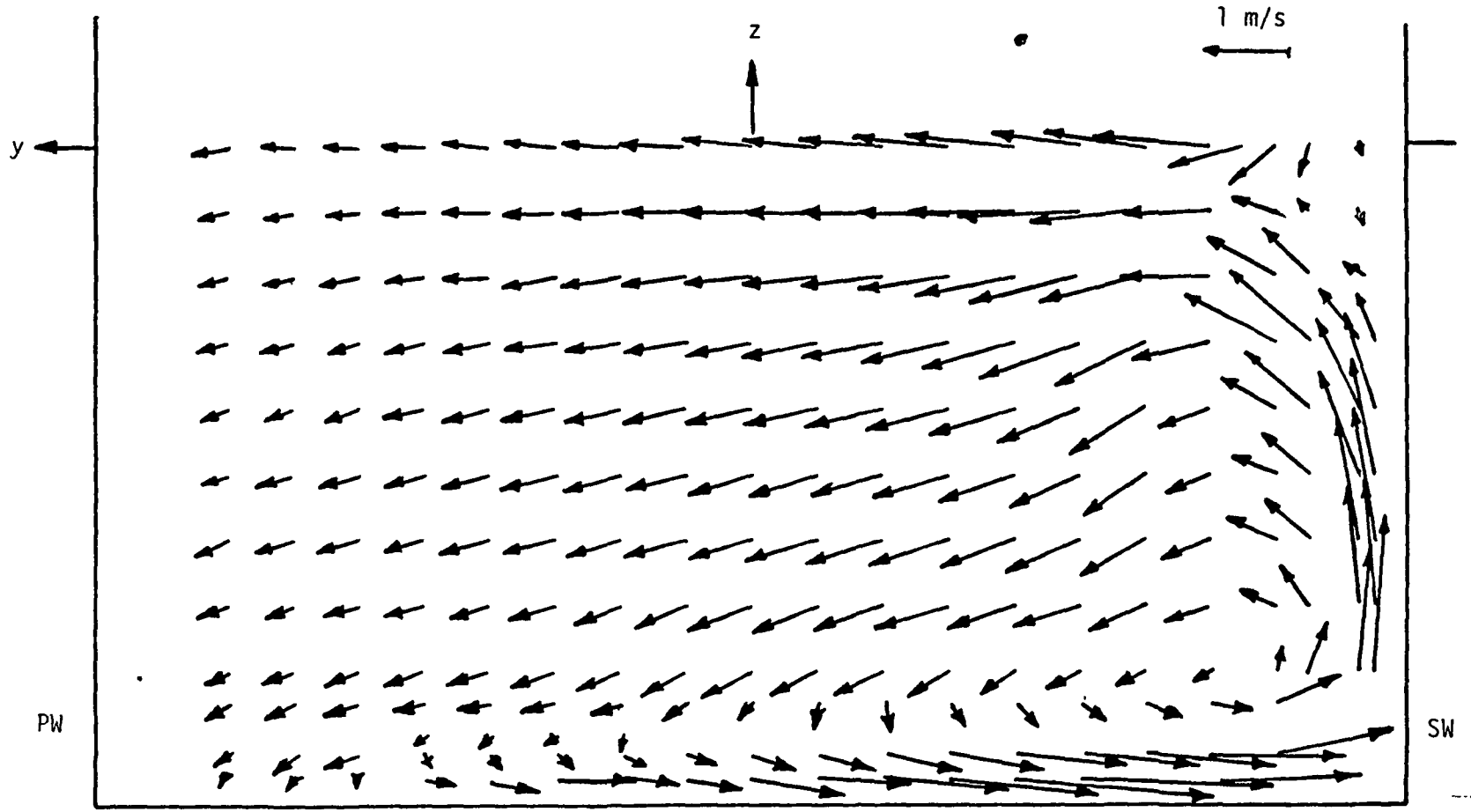

Figure A-8 Crossflow Velocity Field, $\theta = 90°$

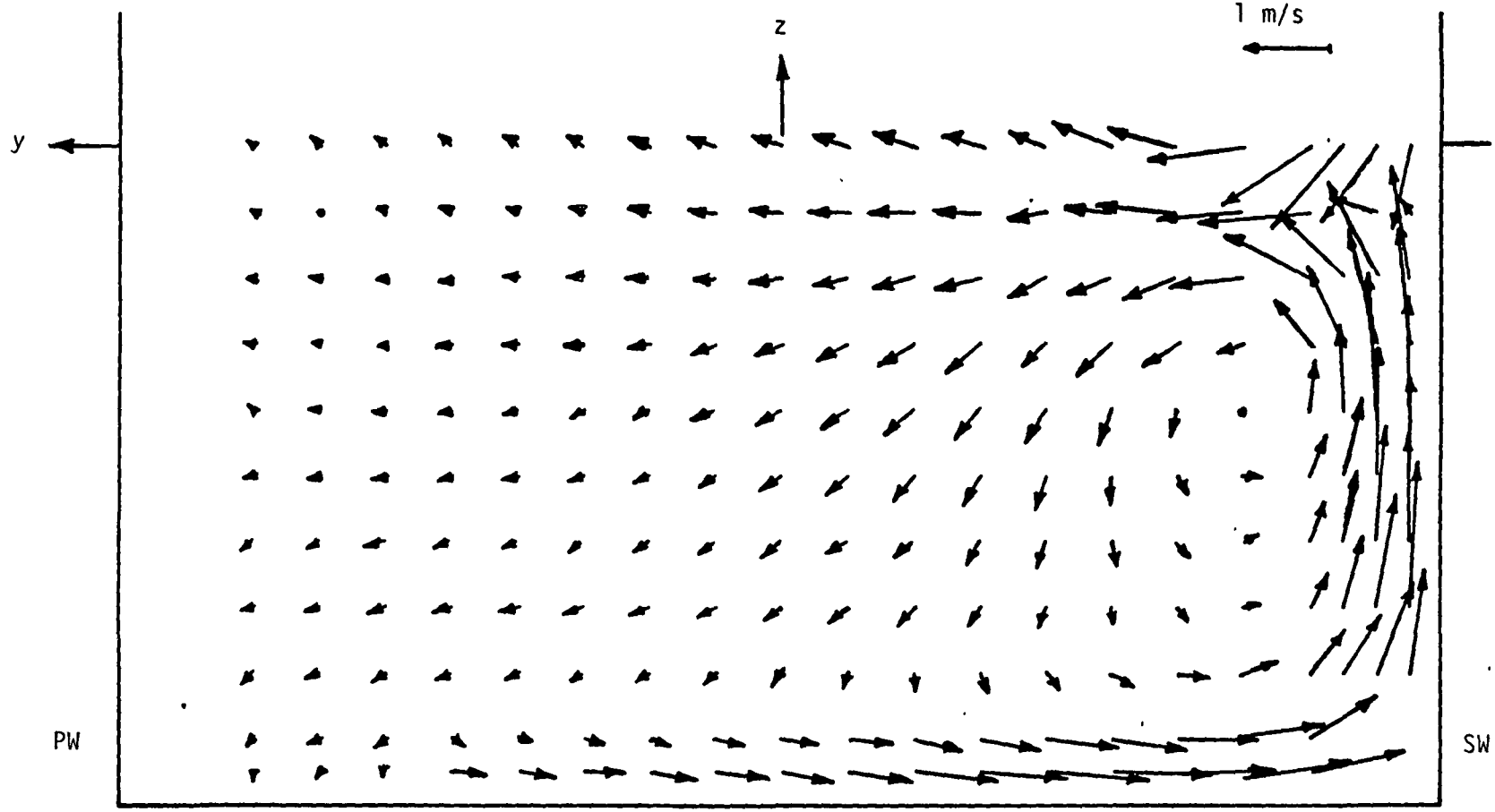

Figure A-9 Crossflow Velocity Field, Exit + 1D

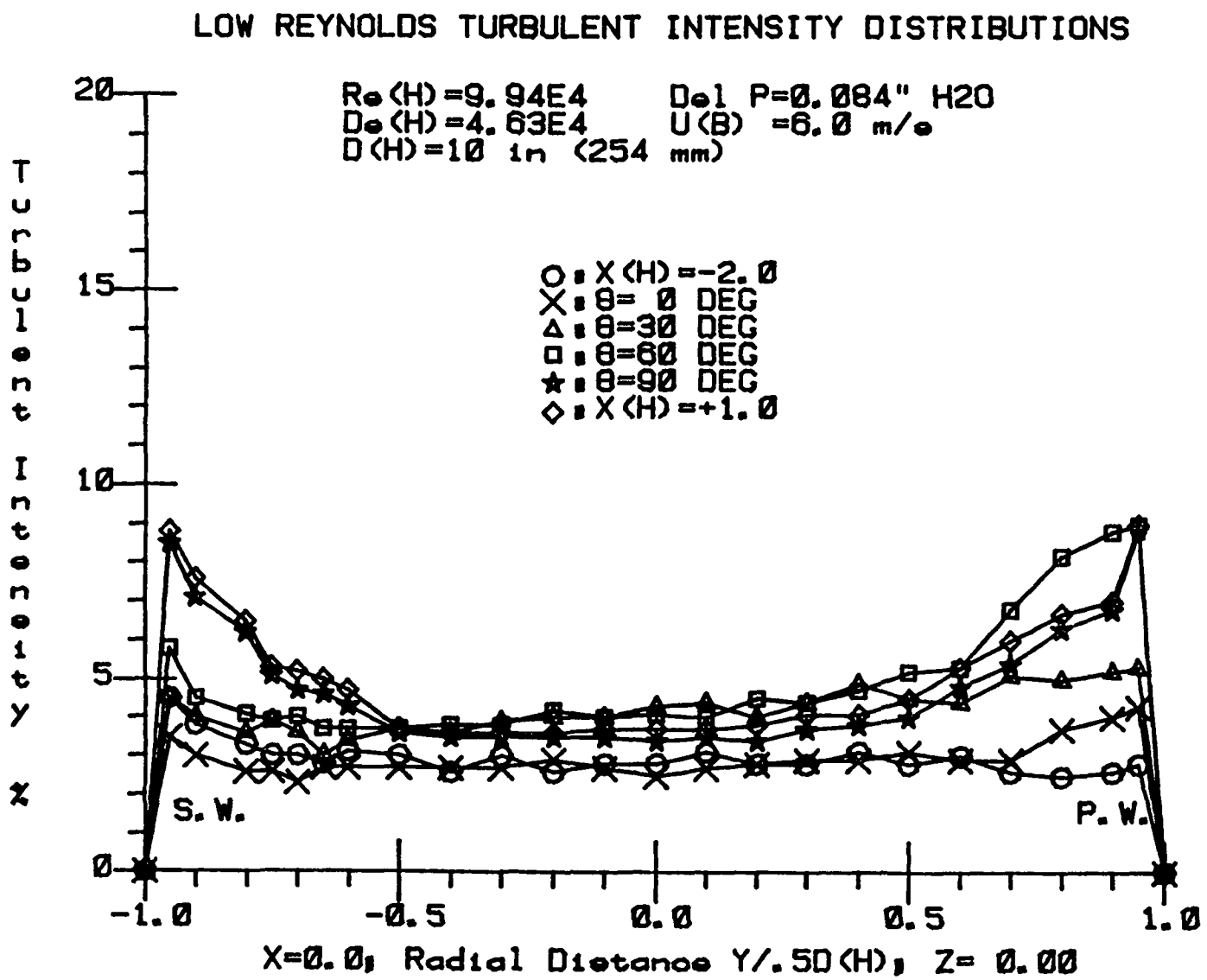

Figure A-10 Turbulence Intensity, $Z = 0.00$

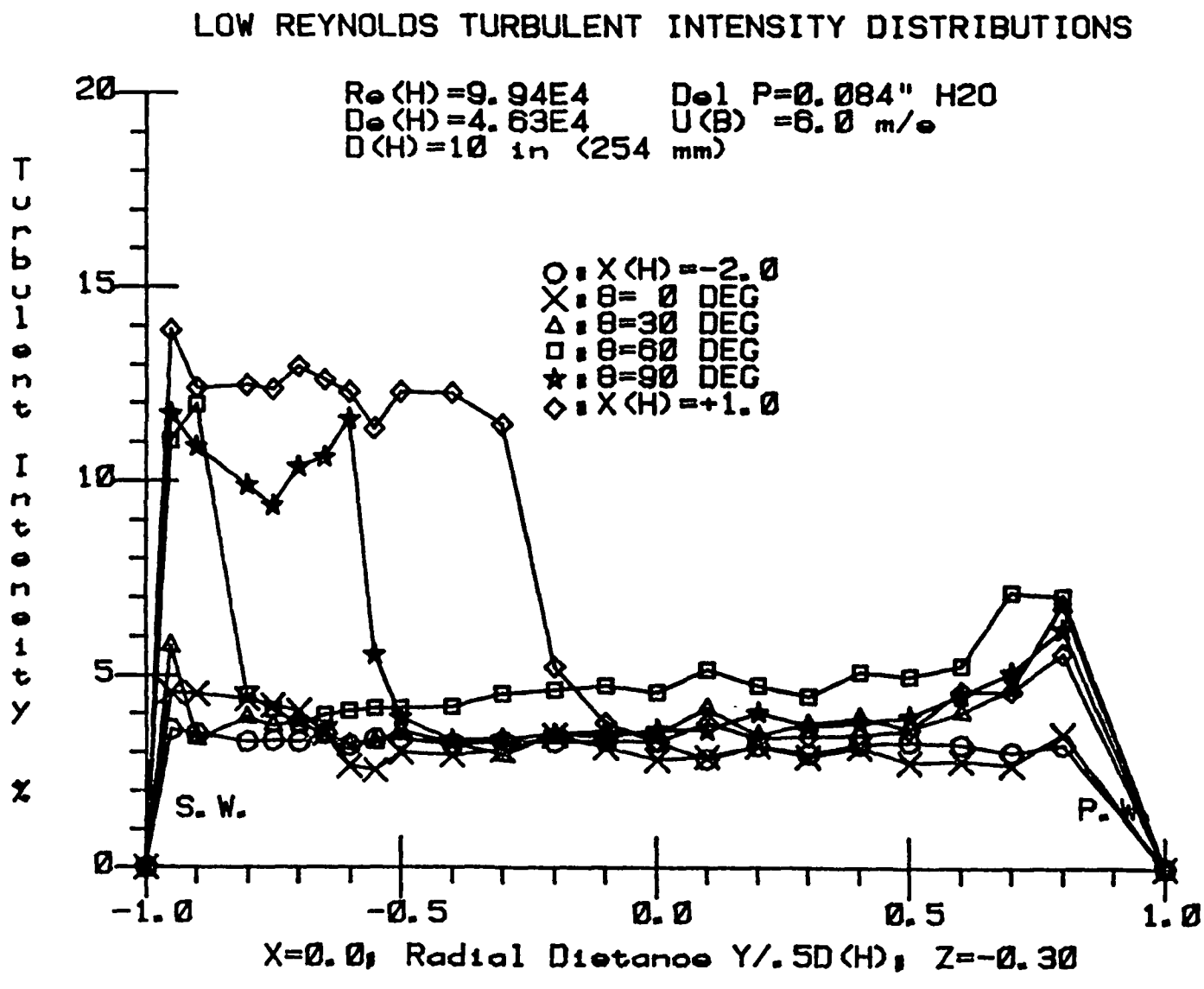

Figure A-11 Turbulence Intensity, $Z = -0.30$

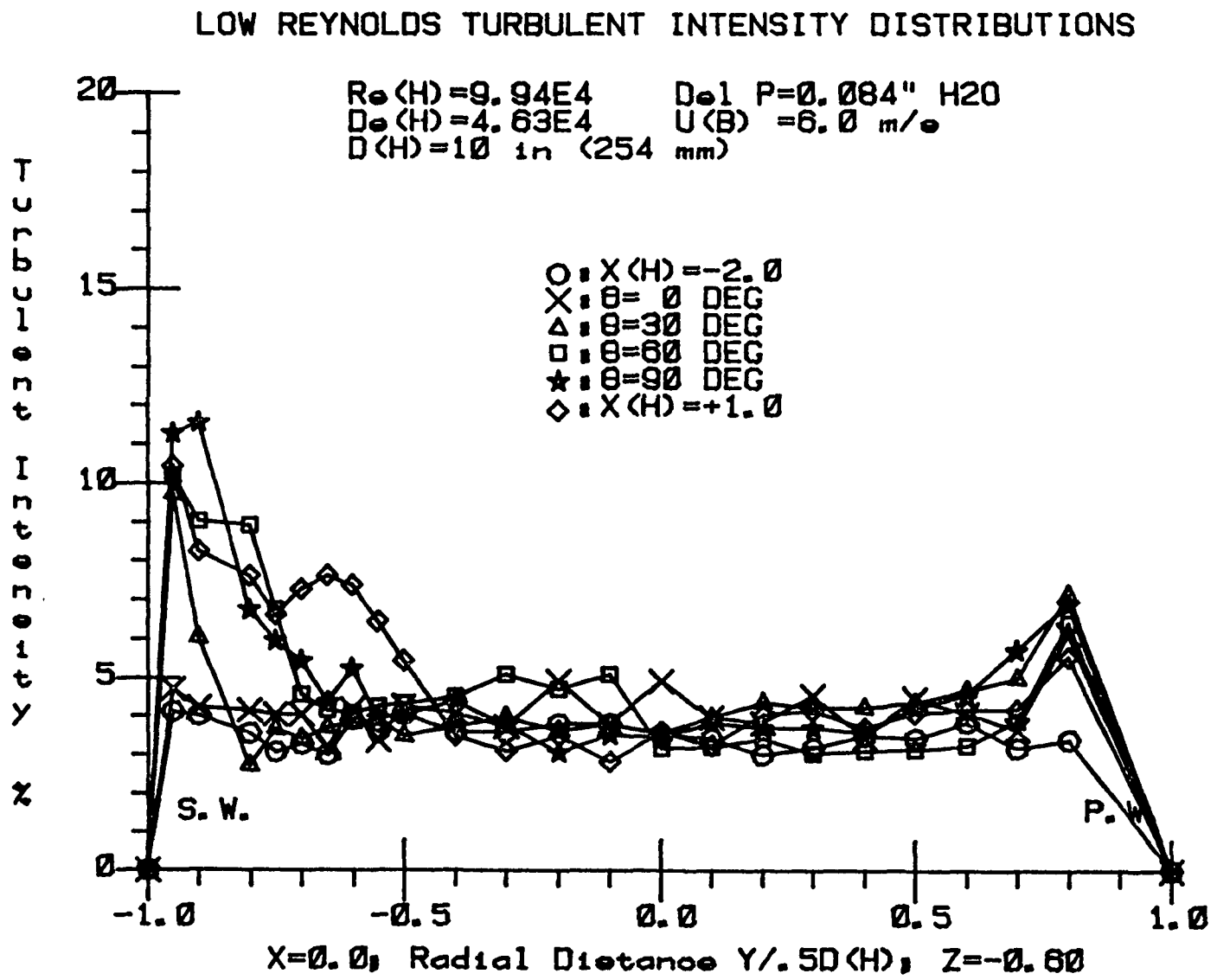

Figure A-12 Turbulence Intensity, $Z = -0.60$

APPENDIX B

High Reynolds Number Data $R_{ed} = 328,000$

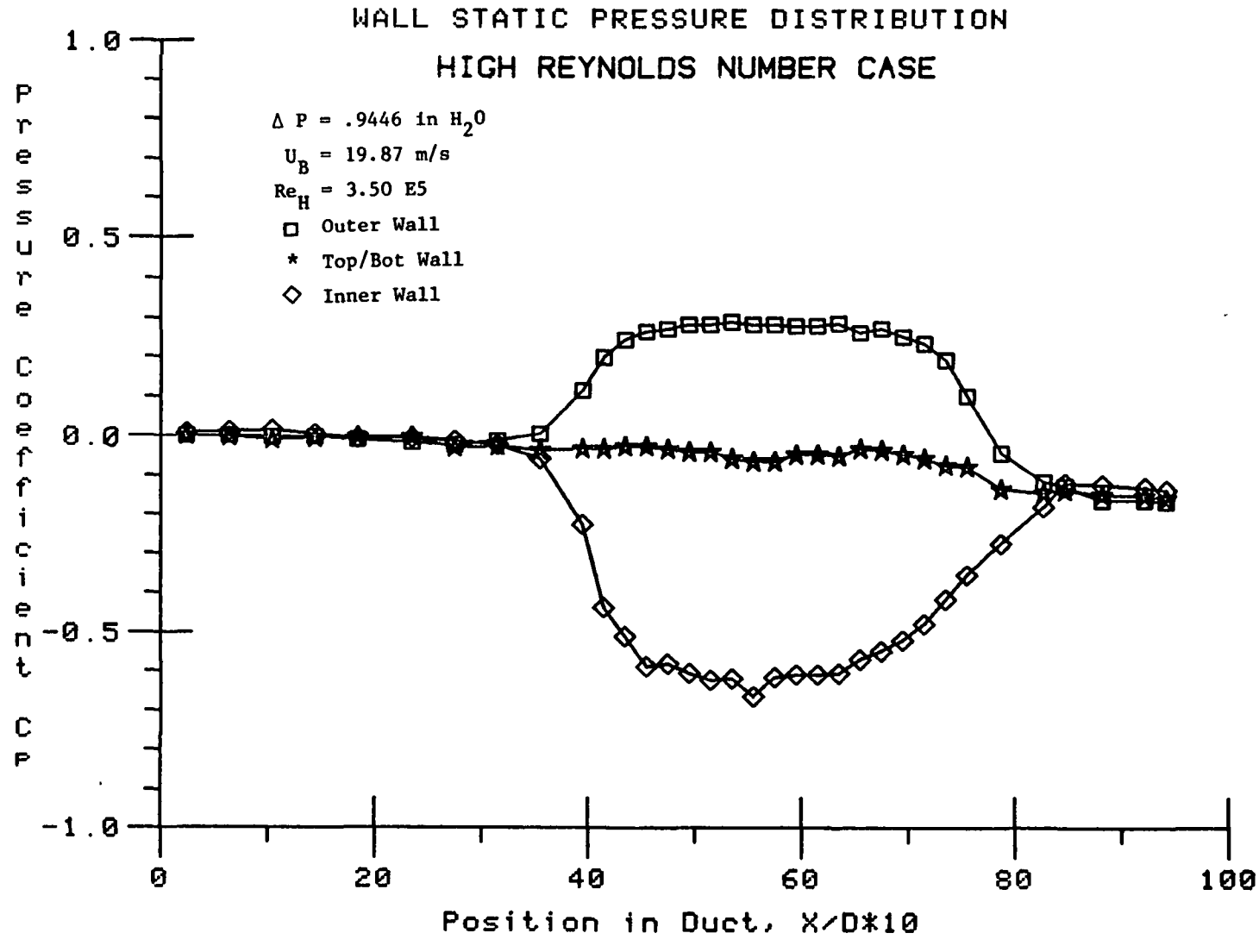

Figure B-1 Wall Static Pressure Distribution

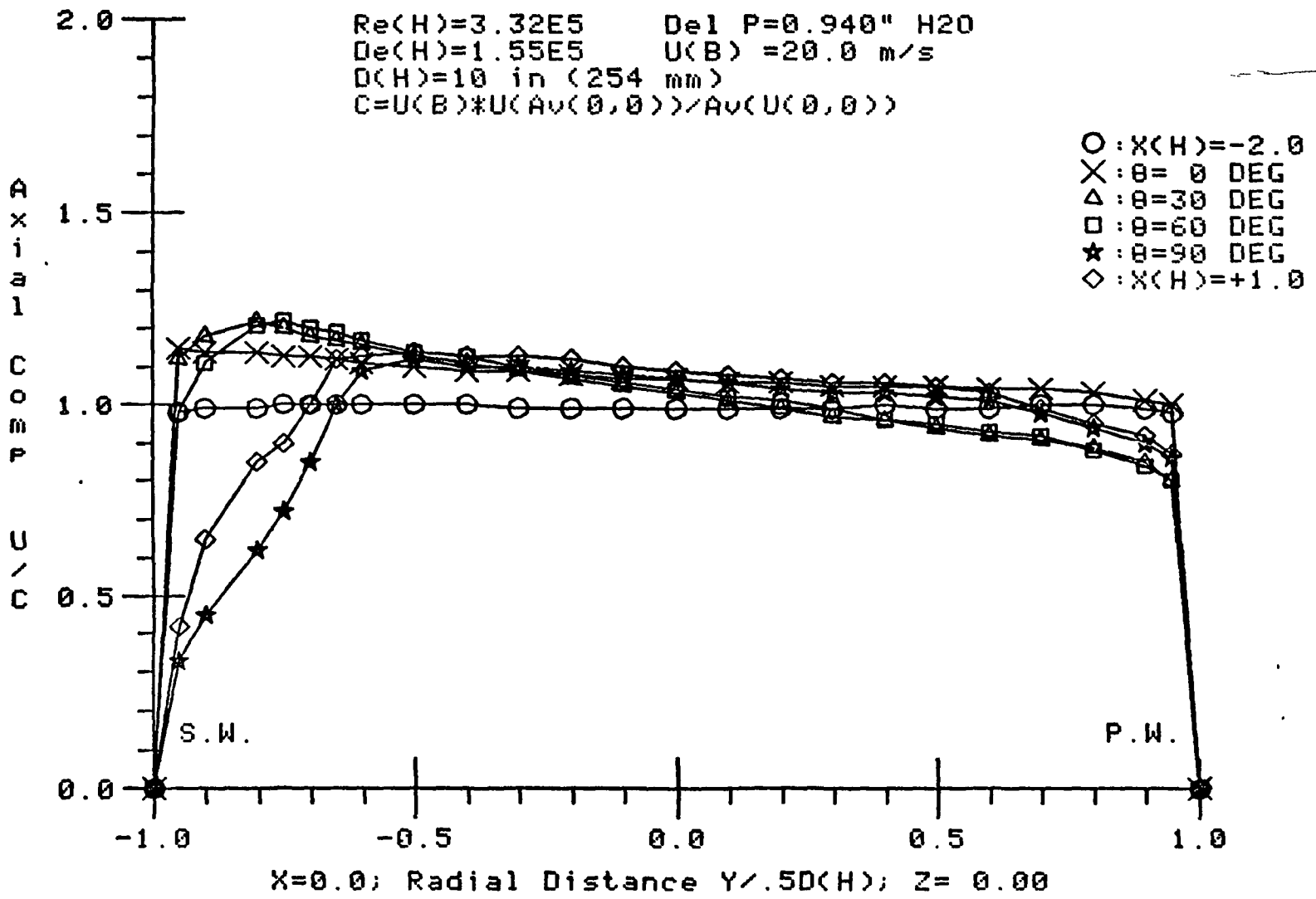

Figure B-2 Axial Velocity Profile, $Z = 0.00$

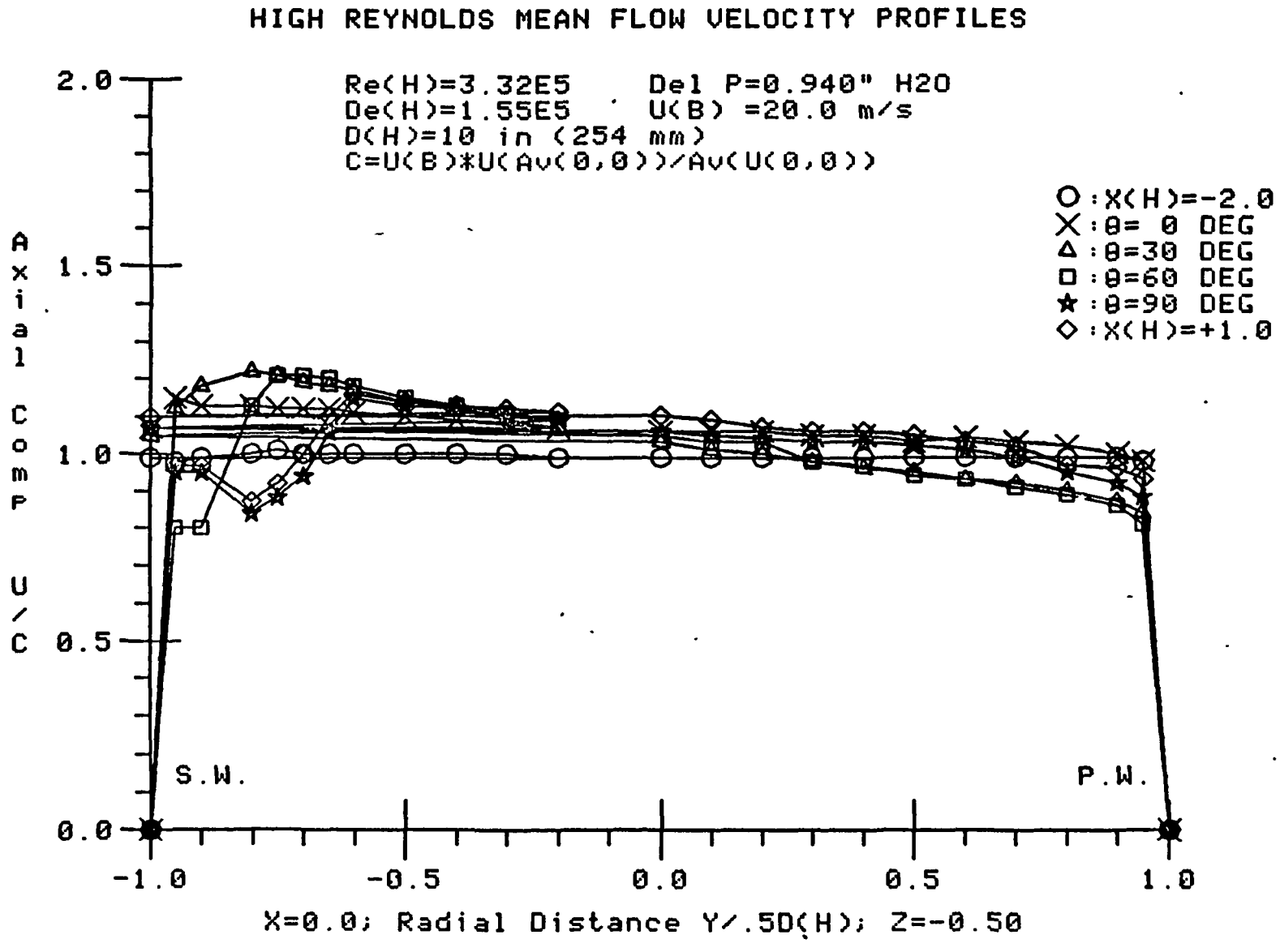

Figure B-3 Axial Velocity Profile, $Z = -0.50$

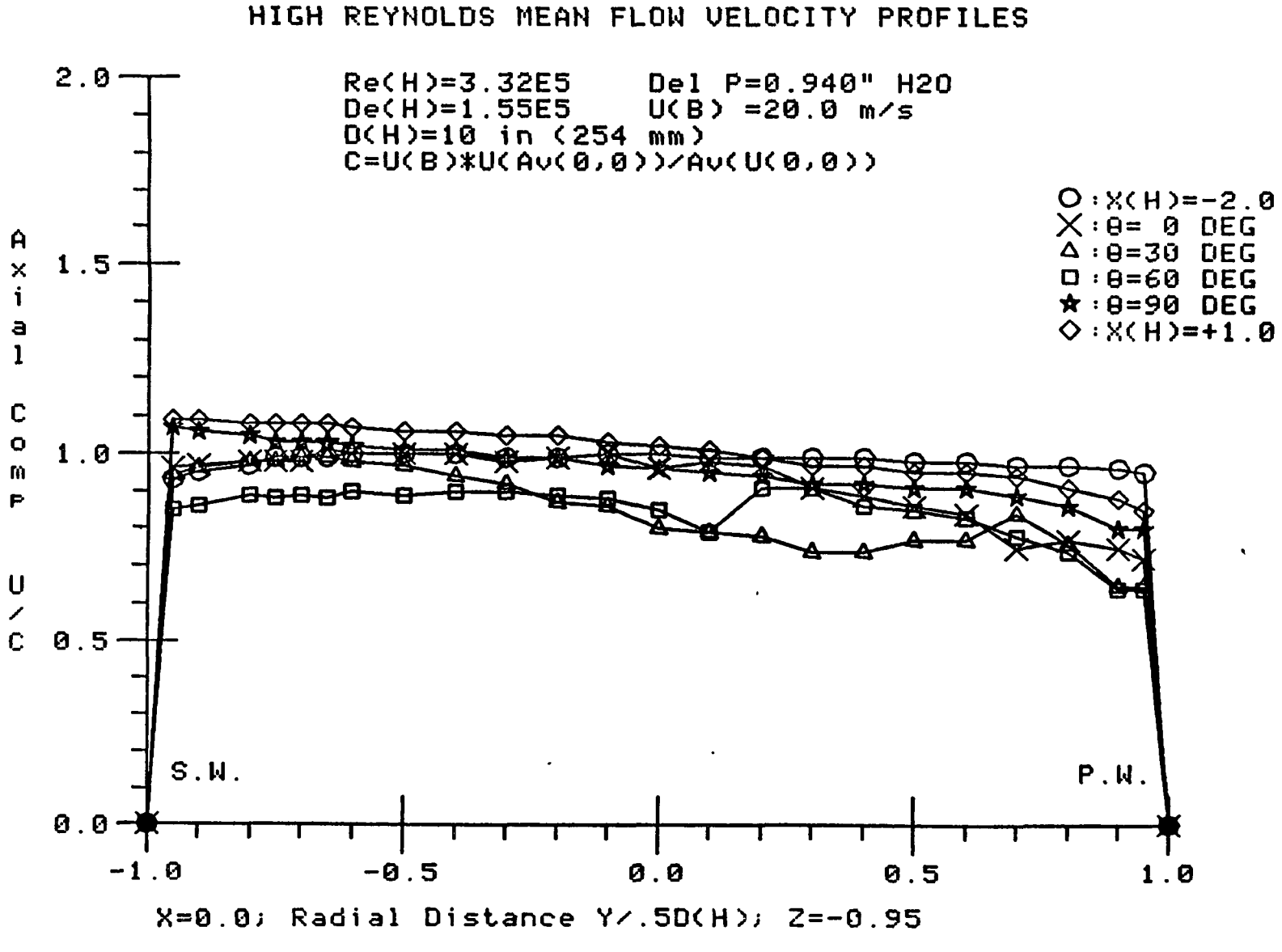

Figure B-4 Axial Velocity Profile, $Z = -0.95$

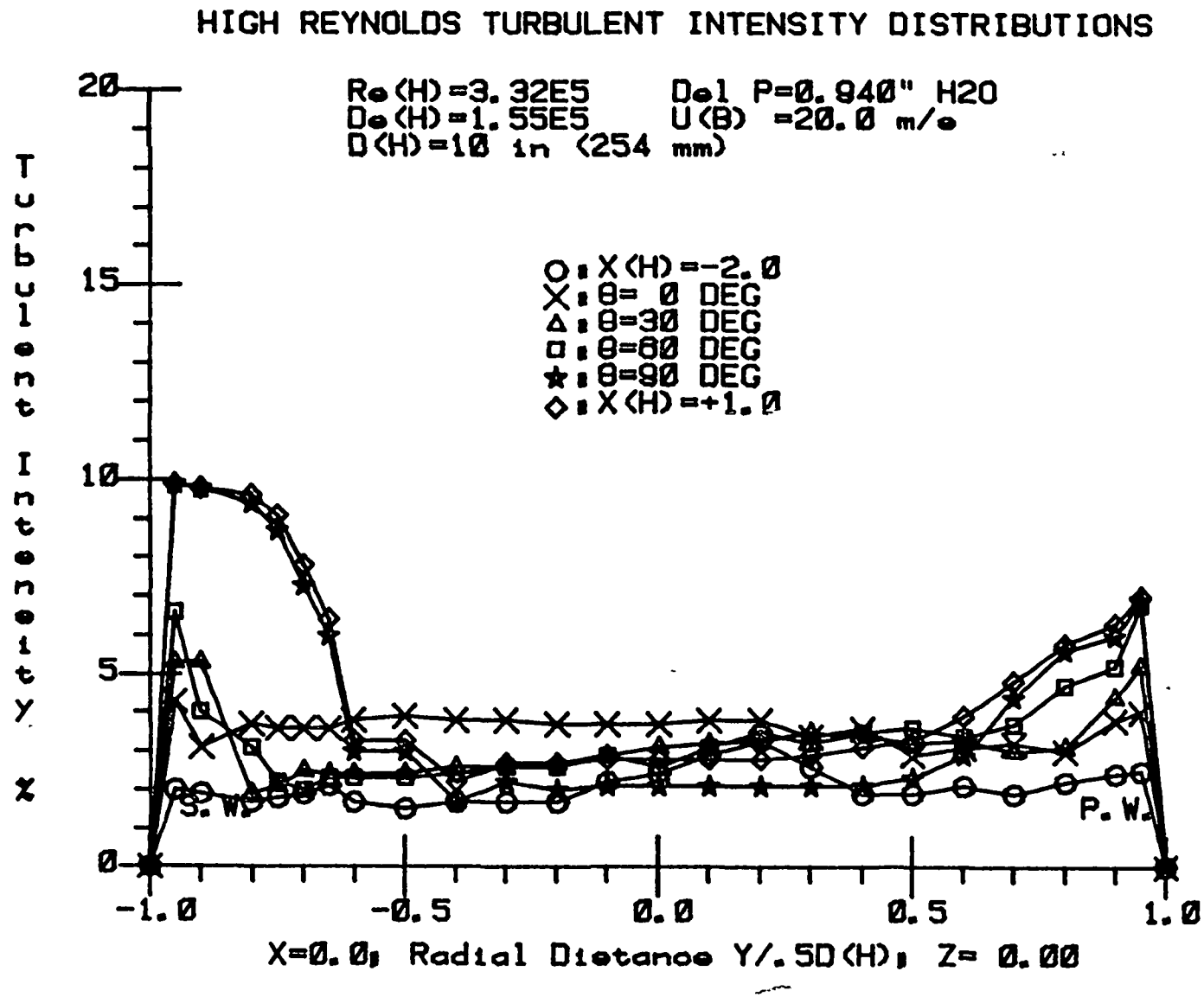

Figure B-5 Turbulence Intensity, $Z = 0.00$

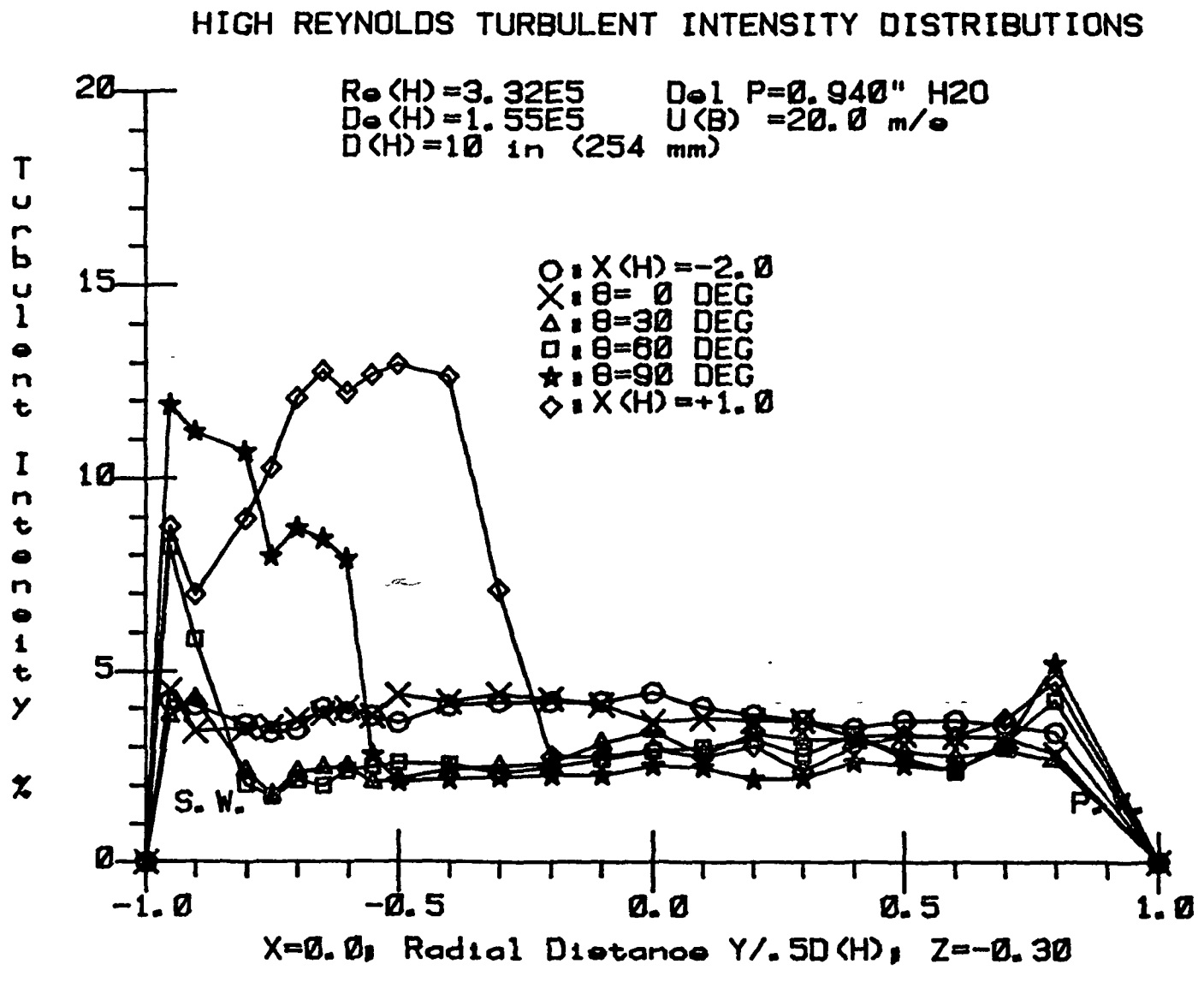

Figure B-6 Turbulence Intensity, $Z = -0.30$

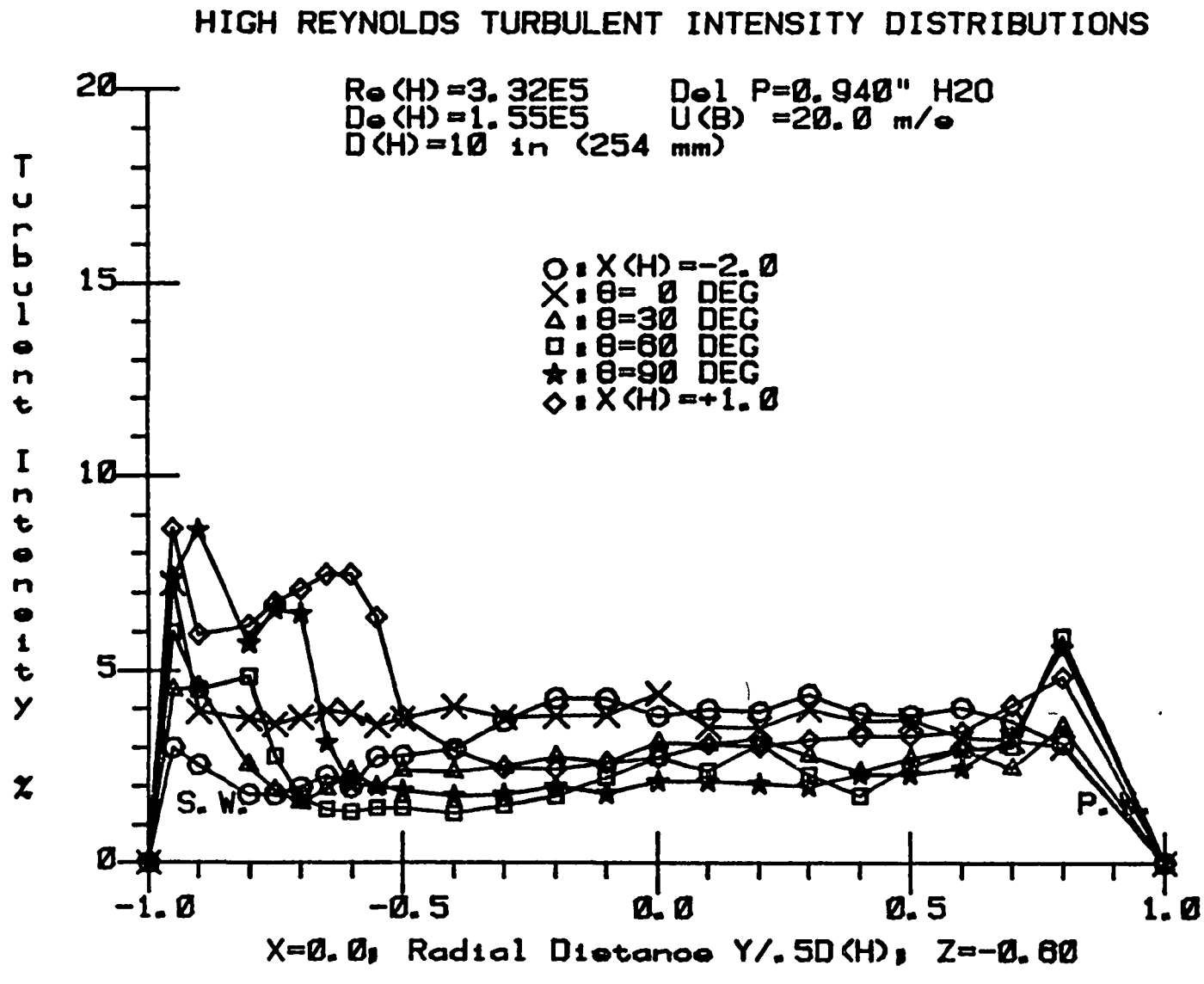

Figure B-7 Turbulence Intensity, $Z = -0.60$

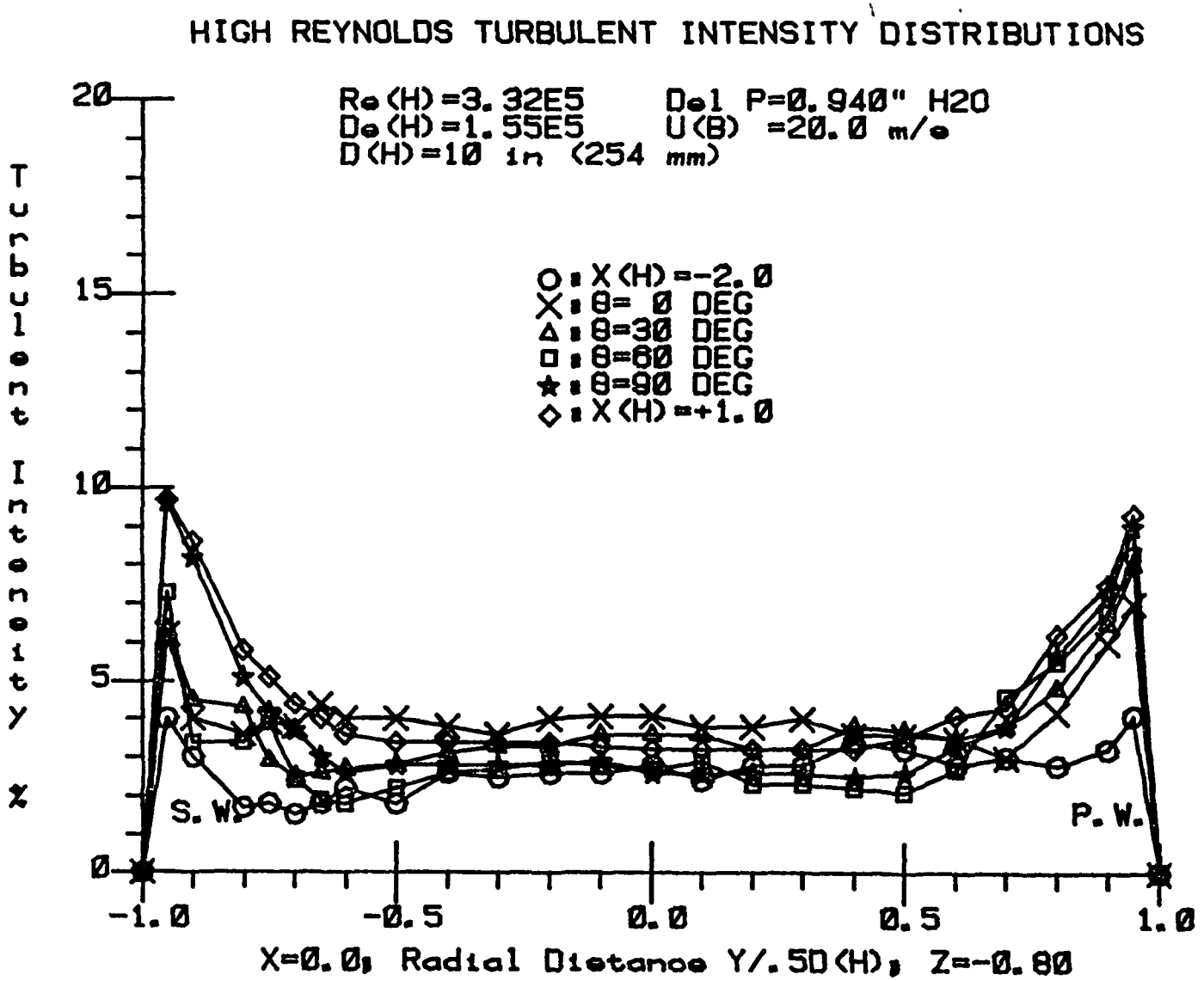

Figure B-8 Turbulence Intensity, $Z = -0.80$

APPENDIX C

Low Reynolds Number Tabulated Data

Table C-1 Station 2, X(H) = 2.0 Entrance

Table C-2 Station 4, $\theta = 0^o$

Table C-3 Station 6, $\theta = 30^o$

Table C-4 Station 8, $\theta = 60^o$

Table C-5 Station 10, $\theta = 90^o$

Table C-6 Station 11, X(H) = 1.0 Exit

The tunnel coordinate positions have been non-dimensionalized on duct half-width Dh/z. All velocities have been non-dimensionalized on bulk velocity (6 m/s).

Table C-1, Station 2, X(H) = - 2.0 Entrance

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.70	0.00	1.02	1.01	0.005	-0.005	0.026	0.026	0.026	0.018
0.60	0.00	1.01	1.01	0.002	-0.005	0.030	0.030	0.025	0.023
0.50	0.00	1.01	1.01	0.002	-0.002	0.028	0.028	0.023	0.021
0.40	0.00	1.01	1.01	0.003	-0.002	0.031	0.031	0.021	0.020
0.30	0.00	1.00	1.00	0.003	-0.002	0.028	0.028	0.025	0.021
0.20	0.00	0.99	0.99	0.003	-0.005	0.028	0.028	0.025	0.023
0.10	0.00	0.99	0.99	0.003	0.000	0.031	0.031	0.023	0.020
0.00	0.00	0.99	0.99	0.002	-0.002	0.028	0.028	0.021	0.021
-0.05	0.00	0.99	0.99	0.007	-0.007	0.028	0.028	0.023	0.023
-0.10	0.00	1.01	1.01	0.010	-0.005	0.028	0.028	0.020	0.025
-0.15	0.00	0.99	0.99	0.005	-0.002	0.031	0.031	0.023	0.023
-0.20	0.00	1.00	1.00	0.008	-0.002	0.026	0.026	0.026	0.021
-0.25	0.00	1.01	1.01	0.012	-0.003	0.030	0.030	0.025	0.025
-0.30	0.00	1.01	1.01	0.010	-0.005	0.030	0.030	0.025	0.023
-0.35	0.00	0.99	0.99	0.007	-0.007	0.031	0.031	0.023	0.026
-0.40	0.00	1.00	1.00	0.007	-0.005	0.026	0.026	0.028	0.023
-0.45	0.00	1.00	1.00	0.007	-0.008	0.030	0.030	0.025	0.023
-0.50	0.00	1.00	1.00	0.005	-0.008	0.030	0.030	0.023	0.026
-0.55	0.00	1.00	1.00	0.010	-0.007	0.030	0.030	0.021	0.021
-0.60	0.00	1.00	1.00	0.012	-0.008	0.031	0.031	0.023	0.023
-0.65	0.00	1.00	1.00	0.007	-0.010	0.030	0.030	0.025	0.021
-0.70	0.00	1.00	1.00	0.007	-0.007	0.028	0.028	0.026	0.023
-0.75	0.00	1.01	1.01	0.010	-0.008	0.030	0.030	0.025	0.020
-0.80	0.00	1.00	1.00	0.008	-0.015	0.030	0.030	0.025	0.025
-0.80	-0.10	1.00	1.00	0.012	-0.015	0.028	0.028	0.023	0.023
-0.75	-0.10	0.99	0.99	0.012	-0.013	0.028	0.028	0.023	0.026
-0.70	-0.10	1.00	1.00	0.008	-0.010	0.030	0.031	0.025	0.023
-0.65	-0.10	1.00	1.00	0.007	-0.008	0.030	0.030	0.026	0.023
-0.60	-0.10	1.00	1.00	0.013	-0.007	0.028	0.028	0.028	0.023
-0.55	-0.10	1.00	1.00	0.012	-0.007	0.028	0.028	0.023	0.021
-0.50	-0.10	0.99	0.99	0.008	-0.010	0.028	0.028	0.023	0.021
-0.45	-0.10	1.00	1.00	0.012	-0.003	0.028	0.028	0.025	0.021
-0.40	-0.10	1.00	1.00	0.010	-0.007	0.028	0.028	0.025	0.025
-0.35	-0.10	0.98	0.98	0.005	-0.007	0.030	0.030	0.025	0.021
-0.30	-0.10	1.00	1.00	0.007	-0.002	0.030	0.030	0.023	0.021
-0.25	-0.10	1.01	1.00	0.008	-0.003	0.031	0.031	0.026	0.023
-0.20	-0.10	1.00	0.99	0.010	0.003	0.030	0.030	0.021	0.025
-0.15	-0.10	0.99	0.99	0.008	0.003	0.026	0.026	0.021	0.021
-0.10	-0.10	1.00	1.00	0.008	-0.005	0.028	0.028	0.023	0.023
-0.05	-0.10	1.00	1.00	0.007	0.003	0.028	0.028	0.023	0.021
0.00	-0.10	0.99	0.99	0.005	-0.002	0.028	0.028	0.025	0.020
0.10	-0.10	0.99	0.99	0.003	-0.007	0.032	0.033	0.023	0.027
0.20	-0.10	1.00	1.00	0.007	-0.007	0.032	0.033	0.025	0.025
0.30	-0.10	1.01	1.01	0.002	-0.003	0.030	0.030	0.023	0.023
0.40	-0.10	0.99	0.99	0.002	-0.007	0.030	0.030	0.027	0.023
0.50	-0.10	1.00	1.00	0.003	-0.007	0.033	0.033	0.025	0.023
0.60	-0.10	1.01	1.01	0.003	-0.008	0.028	0.030	0.022	0.023
0.70	-0.10	1.00	1.00	0.010	-0.015	0.030	0.030	0.028	0.023
0.80	-0.10	1.00	1.00	0.012	-0.015	0.032	0.032	0.025	0.027
0.80	-0.20	1.00	1.00	0.008	-0.015	0.032	0.032	0.025	0.027
0.70	-0.20	1.00	1.00	0.008	-0.010	0.032	0.032	0.023	0.023
0.60	-0.20	1.01	1.01	0.008	-0.012	0.032	0.032	0.022	0.025
0.50	-0.20	1.01	1.01	0.002	-0.008	0.028	0.028	0.022	0.025
0.40	-0.20	1.00	1.00	0.003	-0.012	0.032	0.032	0.027	0.025
0.30	-0.20	1.00	0.99	0.002	-0.010	0.028	0.028	0.025	0.025
0.20	-0.20	0.97	0.97	0.010	-0.008	0.033	0.033	0.023	0.027
0.10	-0.20	1.00	1.00	0.007	-0.008	0.030	0.030	0.025	0.023
0.00	-0.20	0.99	0.99	0.007	-0.008	0.035	0.035	0.022	0.027
-0.05	-0.20	1.00	0.99	0.008	-0.010	0.030	0.030	0.023	0.028
-0.10	-0.20	1.00	1.00	0.012	-0.012	0.032	0.032	0.022	0.030

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.15	-0.20	0.99	0.99	0.008	-0.008	0.033	0.033	0.023	0.027
-0.20	-0.20	0.98	0.98	0.007	-0.008	0.032	0.032	0.022	0.027
-0.25	-0.20	0.99	0.99	0.007	-0.012	0.032	0.032	0.025	0.025
-0.30	-0.20	1.00	1.00	0.007	-0.012	0.032	0.032	0.023	0.028
-0.35	-0.20	0.99	0.99	0.010	-0.012	0.035	0.035	0.025	0.027
-0.40	-0.20	0.99	0.99	0.008	-0.010	0.033	0.033	0.023	0.027
-0.45	-0.20	1.01	1.01	0.013	-0.012	0.030	0.030	0.022	0.028
-0.50	-0.20	1.00	1.00	0.010	-0.010	0.033	0.033	0.023	0.025
-0.55	-0.20	1.00	1.00	0.013	-0.017	0.030	0.032	0.023	0.032
-0.60	-0.20	1.01	1.01	0.008	-0.013	0.032	0.032	0.022	0.028
-0.65	-0.20	1.01	1.00	0.010	-0.012	0.035	0.035	0.023	0.027
-0.70	-0.20	1.00	1.00	0.012	-0.010	0.033	0.033	0.022	0.025
-0.75	-0.20	1.00	1.00	0.008	-0.013	0.032	0.033	0.027	0.027
-0.80	-0.20	1.00	1.00	0.012	-0.015	0.032	0.032	0.023	0.027
-0.80	-0.30	1.01	1.01	0.012	-0.013	0.033	0.033	0.023	0.025
-0.75	-0.30	0.99	0.99	0.008	-0.012	0.033	0.033	0.022	0.028
-0.70	-0.30	1.00	1.00	0.012	-0.017	0.033	0.033	0.023	0.027
-0.65	-0.30	1.00	1.00	0.005	-0.010	0.035	0.035	0.022	0.027
-0.60	-0.30	1.01	1.01	0.008	-0.018	0.032	0.032	0.023	0.030
-0.55	-0.30	0.98	0.98	0.010	-0.010	0.033	0.033	0.023	0.025
-0.50	-0.30	0.98	0.97	0.010	-0.015	0.033	0.033	0.023	0.027
-0.47	-0.30	0.99	0.99	0.010	-0.010	0.032	0.032	0.023	0.025
-0.40	-0.30	1.00	1.00	0.010	-0.013	0.032	0.032	0.025	0.028
-0.35	-0.30	1.01	1.01	0.008	-0.008	0.033	0.033	0.025	0.027
-0.30	-0.30	1.00	1.00	0.008	-0.012	0.033	0.033	0.023	0.025
-0.25	-0.30	1.00	1.00	0.010	-0.012	0.035	0.035	0.022	0.028
-0.20	-0.30	1.00	1.00	0.013	-0.010	0.033	0.033	0.025	0.025
-0.15	-0.30	0.99	0.99	0.010	-0.012	0.033	0.033	0.028	0.030
-0.10	-0.30	0.99	0.99	0.008	-0.008	0.033	0.033	0.025	0.025
-0.05	-0.30	0.98	0.98	0.008	-0.005	0.033	0.033	0.023	0.027
0.00	-0.30	0.98	0.98	0.007	-0.005	0.032	0.032	0.023	0.023
0.10	-0.30	0.99	0.99	0.005	-0.012	0.028	0.028	0.022	0.027
0.20	-0.30	1.01	1.01	0.005	-0.010	0.037	0.032	0.022	0.027
0.30	-0.30	1.01	1.01	0.003	-0.005	0.030	0.030	0.020	0.045
0.40	-0.30	1.00	1.00	0.005	-0.008	0.032	0.033	0.022	0.027
0.50	-0.30	1.00	1.00	0.005	-0.007	0.033	0.033	0.023	0.025
0.60	-0.30	1.00	1.00	0.002	-0.012	0.032	0.032	0.025	0.027
0.70	-0.30	1.00	1.00	0.007	-0.012	0.030	0.030	0.027	0.025
0.80	-0.30	0.99	0.99	0.007	-0.012	0.032	0.032	0.023	0.025
0.80	-0.40	0.99	0.99	0.005	-0.017	0.032	0.032	0.025	0.028
0.75	-0.40	1.00	1.00	0.000	-0.017	0.030	0.030	0.025	0.027
0.70	-0.40	1.00	0.99	0.007	-0.013	0.033	0.033	0.025	0.028
0.65	-0.40	1.00	1.00	0.003	-0.015	0.032	0.033	0.025	0.025
0.60	-0.40	1.00	1.00	0.003	-0.015	0.033	0.033	0.025	0.028
0.55	-0.40	0.99	0.99	0.002	-0.012	0.033	0.035	0.027	0.027
0.50	-0.40	1.00	1.00	0.002	-0.008	0.032	0.032	0.025	0.023
0.45	-0.40	0.98	0.98	0.000	-0.017	0.032	0.032	0.023	0.030
0.40	-0.40	0.99	0.99	-0.002	-0.013	0.033	0.033	0.023	0.025
0.30	-0.40	0.99	0.99	0.005	-0.010	0.030	0.030	0.023	0.023
0.20	-0.40	1.01	1.01	0.002	-0.005	0.037	0.037	0.025	0.025
0.10	-0.40	1.00	1.00	0.010	-0.008	0.030	0.030	0.023	0.025
0.00	-0.40	1.01	1.01	0.005	-0.008	0.037	0.037	0.023	0.028
-0.05	-0.40	1.00	1.00	0.007	-0.008	0.033	0.035	0.023	0.028
-0.10	-0.40	1.00	1.00	0.007	-0.008	0.033	0.035	0.025	0.028
-0.15	-0.40	1.00	1.00	0.008	-0.007	0.030	0.030	0.022	0.025
-0.20	-0.40	1.00	1.00	0.003	-0.010	0.033	0.033	0.027	0.027
-0.25	-0.40	1.01	1.00	0.007	-0.010	0.035	0.035	0.025	0.028
-0.30	-0.40	1.00	1.00	0.008	-0.010	0.035	0.035	0.023	0.025
-0.35	-0.40	1.00	1.00	0.010	-0.013	0.033	0.035	0.023	0.028
-0.40	-0.40	1.00	0.99	0.005	-0.012	0.037	0.037	0.023	0.023

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.45	-0.40	1.01	1.01	0.008	-0.012	0.037	0.037	0.023	0.027
-0.50	-0.40	0.99	0.99	0.007	-0.013	0.033	0.033	0.023	0.025
-0.55	-0.40	1.00	1.00	0.003	-0.012	0.033	0.033	0.025	0.025
-0.60	-0.40	1.00	1.00	0.007	-0.010	0.033	0.035	0.023	0.028
-0.65	-0.40	0.99	0.99	0.005	-0.008	0.035	0.035	0.025	0.023
-0.70	-0.40	1.02	1.02	0.010	-0.015	0.035	0.035	0.023	0.029
-0.75	-0.40	1.01	1.01	0.005	-0.008	0.034	0.034	0.022	0.025
-0.75	-0.50	1.01	1.01	0.003	-0.015	0.035	0.035	0.022	0.030
-0.70	-0.50	1.00	1.00	0.008	-0.008	0.034	0.035	0.023	0.030
-0.65	-0.50	1.01	1.01	0.010	-0.010	0.035	0.035	0.023	0.025
-0.60	-0.50	1.00	1.00	0.007	-0.010	0.039	0.039	0.023	0.029
-0.55	-0.50	1.01	1.01	0.007	-0.010	0.032	0.032	0.023	0.027
-0.50	-0.50	1.00	1.00	0.008	-0.010	0.037	0.037	0.025	0.025
-0.45	-0.50	1.01	1.01	0.007	-0.015	0.037	0.037	0.022	0.032
-0.40	-0.50	1.00	1.00	0.008	-0.010	0.037	0.037	0.022	0.025
-0.35	-0.50	0.99	0.99	0.010	-0.010	0.034	0.034	0.022	0.025
-0.30	-0.50	1.00	1.00	0.007	-0.008	0.034	0.034	0.023	0.025
-0.25	-0.50	1.00	1.00	0.008	-0.010	0.035	0.035	0.022	0.029
-0.20	-0.50	1.00	1.00	0.007	-0.012	0.035	0.035	0.022	0.029
-0.15	-0.50	1.01	1.01	0.002	-0.012	0.034	0.034	0.023	0.029
-0.10	-0.50	0.99	0.99	0.005	-0.007	0.035	0.035	0.023	0.025
-0.05	-0.50	0.98	0.98	0.003	-0.012	0.037	0.037	0.023	0.027
0.00	-0.50	1.01	1.01	0.002	-0.010	0.035	0.035	0.022	0.030
0.10	-0.50	0.99	0.99	0.000	-0.010	0.034	0.034	0.022	0.029
0.20	-0.50	0.99	0.99	0.003	-0.010	0.035	0.035	0.023	0.029
0.30	-0.50	1.01	1.01	0.002	-0.008	0.032	0.032	0.023	0.023
0.40	-0.50	0.99	0.99	0.000	-0.012	0.035	0.037	0.023	0.027
0.45	-0.50	0.99	0.99	0.002	-0.013	0.035	0.035	0.023	0.029
0.50	-0.50	0.99	0.99	0.003	-0.015	0.034	0.034	0.022	0.030
0.55	-0.50	0.99	0.99	0.002	-0.012	0.032	0.032	0.022	0.025
0.60	-0.50	1.00	1.00	0.003	-0.012	0.037	0.037	0.023	0.029
0.65	-0.50	1.00	1.00	0.003	-0.012	0.034	0.034	0.023	0.025
0.70	-0.50	1.00	1.00	0.003	-0.010	0.034	0.034	0.025	0.025
0.75	-0.50	1.00	1.00	0.003	-0.010	0.034	0.034	0.023	0.029
0.80	-0.50	1.01	1.01	0.003	-0.010	0.034	0.034	0.025	0.027
0.80	-0.60	1.00	1.00	0.000	-0.007	0.034	0.034	0.025	0.025
0.75	-0.60	1.00	1.00	0.003	-0.008	0.035	0.035	0.023	0.025
0.70	-0.60	1.01	1.01	0.000	-0.008	0.032	0.034	0.029	0.025
0.65	-0.60	1.00	1.00	0.000	-0.008	0.035	0.035	0.023	0.029
0.60	-0.60	1.01	1.00	0.002	-0.013	0.039	0.039	0.027	0.027
0.55	-0.60	1.01	1.01	0.000	-0.008	0.037	0.037	0.027	0.029
0.50	-0.60	0.99	0.99	0.007	-0.012	0.034	0.034	0.025	0.025
0.45	-0.60	1.00	1.00	0.000	-0.012	0.032	0.032	0.025	0.025
0.40	-0.60	1.00	1.00	-0.002	-0.003	0.035	0.035	0.023	0.023
0.30	-0.60	1.01	1.01	-0.003	-0.012	0.032	0.032	0.022	0.027
0.20	-0.60	1.00	1.00	-0.002	-0.008	0.030	0.030	0.022	0.025
0.10	-0.60	0.99	0.98	-0.002	-0.007	0.034	0.035	0.027	0.027
0.00	-0.60	0.99	0.99	0.000	-0.007	0.035	0.035	0.025	0.027
-0.05	-0.60	1.00	1.00	0.000	-0.002	0.039	0.041	0.026	0.021
-0.10	-0.60	1.00	1.00	0.000	0.000	0.038	0.038	0.025	0.020
-0.15	-0.60	0.99	0.99	0.002	0.000	0.036	0.036	0.026	0.021
-0.20	-0.60	1.00	1.00	0.003	-0.002	0.038	0.038	0.026	0.018
-0.25	-0.60	1.00	1.00	0.000	-0.002	0.039	0.039	0.028	0.018
-0.30	-0.60	1.00	1.00	0.000	-0.002	0.036	0.038	0.028	0.018
-0.35	-0.60	1.00	0.99	-0.002	-0.002	0.039	0.039	0.025	0.021
-0.40	-0.60	1.00	1.00	0.000	-0.002	0.036	0.036	0.026	0.021
-0.45	-0.60	1.01	1.01	0.000	-0.003	0.038	0.038	0.030	0.018
-0.50	-0.60	1.01	1.01	-0.007	-0.002	0.041	0.041	0.028	0.020
-0.55	-0.60	1.00	1.00	0.000	-0.005	0.036	0.036	0.026	0.020
-0.60	-0.60	1.00	1.00	-0.005	-0.002	0.039	0.039	0.028	0.020

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.65	-0.60	1.00	1.00	-0.002	0.000	0.030	0.030	0.023	0.018
-0.70	-0.60	1.01	1.01	0.002	-0.002	0.033	0.033	0.023	0.018
-0.75	-0.60	1.01	1.01	0.005	0.000	0.031	0.031	0.026	0.020
-0.80	-0.60	1.01	1.01	0.007	0.002	0.036	0.036	0.025	0.020
-0.80	-0.70	1.01	1.01	0.008	0.007	0.030	0.030	0.023	0.020
-0.75	-0.70	1.01	1.01	0.008	0.003	0.030	0.030	0.023	0.018
-0.70	-0.70	1.00	1.00	0.005	0.002	0.033	0.033	0.025	0.020
-0.65	-0.70	1.00	1.00	0.007	0.000	0.031	0.031	0.023	0.021
-0.60	-0.70	1.00	1.00	0.002	-0.002	0.033	0.033	0.023	0.018
-0.55	-0.70	1.01	1.01	0.002	-0.003	0.028	0.028	0.025	0.016
-0.50	-0.70	0.99	0.99	0.002	-0.003	0.033	0.033	0.021	0.021
-0.45	-0.70	1.00	1.00	0.007	-0.005	0.036	0.036	0.023	0.020
-0.40	-0.70	1.01	1.01	0.000	-0.002	0.036	0.036	0.023	0.021
-0.35	-0.70	1.01	1.01	0.003	0.000	0.033	0.033	0.023	0.020
-0.30	-0.70	0.99	0.99	0.005	-0.002	0.034	0.034	0.025	0.020
-0.25	-0.70	1.00	0.99	0.002	0.002	0.036	0.036	0.023	0.020
-0.20	-0.70	0.98	0.98	0.000	0.002	0.036	0.036	0.023	0.015
-0.15	-0.70	0.98	0.98	0.003	0.000	0.031	0.031	0.026	0.016
-0.10	-0.70	1.00	1.00	0.003	0.002	0.036	0.036	0.023	0.018
-0.05	-0.70	1.00	1.00	0.000	0.003	0.034	0.034	0.023	0.016
0.00	-0.70	0.99	0.99	0.002	0.000	0.034	0.034	0.023	0.023
0.10	-0.70	0.98	0.98	0.003	0.000	0.036	0.036	0.023	0.016
0.20	-0.70	0.99	0.99	0.002	0.002	0.036	0.036	0.025	0.016
0.30	-0.70	1.01	1.01	-0.005	-0.003	0.026	0.026	0.023	0.025
0.40	-0.70	0.99	0.99	-0.005	0.003	0.036	0.036	0.023	0.026
0.45	-0.70	0.98	0.98	-0.010	0.002	0.036	0.036	0.025	0.021
0.50	-0.70	0.99	0.99	-0.005	0.000	0.039	0.039	0.026	0.023
0.55	-0.70	0.99	0.99	-0.013	0.000	0.038	0.038	0.034	0.021
0.60	-0.70	0.99	0.99	-0.008	0.003	0.036	0.036	0.031	0.020
0.65	-0.70	0.99	0.99	-0.010	0.003	0.038	0.038	0.026	0.021
0.70	-0.70	1.00	1.00	-0.005	0.007	0.038	0.038	0.023	0.017
0.75	-0.70	1.01	1.01	-0.005	0.007	0.036	0.036	0.028	0.017
0.80	-0.70	1.00	1.00	-0.003	0.003	0.031	0.031	0.031	0.017
0.80	-0.80	1.00	1.00	-0.008	0.008	0.031	0.031	0.025	0.018
0.75	-0.80	1.00	1.00	-0.007	0.007	0.036	0.036	0.035	0.020
0.70	-0.80	1.00	1.00	-0.005	0.003	0.036	0.036	0.026	0.018
0.65	-0.80	1.00	1.00	-0.005	0.002	0.033	0.033	0.025	0.020
0.60	-0.80	1.00	1.00	-0.008	0.002	0.031	0.037	0.030	0.018
0.55	-0.80	1.00	1.00	-0.012	0.003	0.038	0.038	0.040	0.018
0.50	-0.80	1.00	1.00	-0.013	0.000	0.038	0.038	0.050	0.018
0.45	-0.80	1.00	1.00	-0.007	0.000	0.036	0.036	0.028	0.017
0.40	-0.80	1.00	1.00	0.000	0.000	0.031	0.031	0.025	0.017
0.30	-0.80	1.01	1.01	0.005	-0.002	0.031	0.031	0.025	0.028
0.20	-0.80	0.99	0.99	0.002	-0.002	0.033	0.033	0.025	0.018
0.10	-0.80	0.99	0.99	0.005	0.000	0.033	0.035	0.026	0.017
0.00	-0.80	1.00	1.00	0.008	0.000	0.031	0.031	0.023	0.020
-0.05	-0.80	1.00	1.00	0.007	-0.002	0.036	0.036	0.023	0.022
-0.10	-0.80	1.00	1.00	0.005	0.002	0.031	0.031	0.026	0.017
-0.15	-0.80	1.01	1.01	0.005	-0.002	0.030	0.030	0.025	0.022
-0.20	-0.80	1.01	1.01	0.005	0.000	0.031	0.031	0.025	0.018
-0.25	-0.80	1.01	1.01	0.007	-0.002	0.033	0.033	0.023	0.018
-0.30	-0.80	1.01	1.01	0.008	0.000	0.030	0.031	0.025	0.017
-0.35	-0.80	1.01	1.01	0.003	0.000	0.031	0.031	0.026	0.017
-0.40	-0.80	1.00	1.00	0.005	-0.002	0.033	0.033	0.028	0.020
-0.45	-0.80	1.01	1.01	0.010	-0.002	0.028	0.028	0.023	0.020
-0.50	-0.80	1.01	1.01	0.003	-0.002	0.030	0.030	0.028	0.017
-0.55	-0.80	1.00	1.00	0.005	-0.003	0.031	0.031	0.023	0.017
-0.60	-0.80	1.01	1.01	0.008	-0.002	0.030	0.030	0.030	0.018
-0.65	-0.80	1.01	1.01	0.007	0.000	0.028	0.028	0.023	0.017
-0.70	-0.80	1.01	1.01	0.003	0.002	0.030	0.030	0.023	0.017

ORIGINAL PAGE IS OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.75	-0.80	1.01	1.01	0.008	0.002	0.031	0.031	0.025	0.018
-0.80	-0.80	0.92	0.92	0.013	0.007	0.086	0.086	0.028	0.022
0.70	0.00	1.01	1.01	0.003	-0.002	0.032	0.032	0.025	0.018
0.60	0.00	1.00	1.00	0.002	0.000	0.033	0.033	0.023	0.022
0.50	0.00	0.99	0.99	0.002	0.002	0.033	0.033	0.023	0.015
0.40	0.00	1.00	1.00	-0.002	0.005	0.030	0.030	0.027	0.017
0.30	0.00	1.02	1.02	-0.003	0.008	0.030	0.030	0.027	0.020
0.20	0.00	1.00	1.00	-0.002	0.007	0.037	0.037	0.023	0.017
0.10	0.00	1.01	1.01	0.000	0.007	0.030	0.030	0.023	0.017
0.00	0.00	1.00	1.00	-0.002	0.002	0.032	0.032	0.023	0.018
-0.05	0.00	1.00	0.99	-0.002	0.000	0.030	0.030	0.023	0.018
-0.10	0.00	1.00	1.00	-0.003	0.003	0.030	0.030	0.027	0.017
-0.15	0.00	1.00	1.00	-0.003	0.002	0.035	0.035	0.025	0.022
-0.20	0.00	1.01	1.01	0.000	0.000	0.030	0.030	0.022	0.017
-0.25	0.00	1.01	1.01	-0.002	0.003	0.032	0.032	0.023	0.020
-0.30	0.00	1.00	1.00	0.000	0.002	0.028	0.028	0.023	0.017
-0.35	0.00	1.00	1.00	-0.003	0.002	0.033	0.035	0.025	0.017
-0.40	0.00	1.00	1.00	-0.002	0.000	0.030	0.030	0.025	0.017
-0.45	0.00	1.01	1.01	0.003	0.000	0.033	0.033	0.025	0.017
-0.50	0.00	1.01	1.01	0.002	-0.002	0.032	0.032	0.025	0.017
-0.55	0.00	1.01	1.01	0.002	-0.002	0.032	0.033	0.025	0.017
-0.60	0.00	1.01	1.01	0.007	-0.005	0.032	0.032	0.025	0.020
-0.65	0.00	1.02	1.02	0.005	-0.005	0.030	0.030	0.028	0.020
-0.70	0.00	1.01	1.01	0.007	-0.002	0.028	0.028	0.025	0.017
-0.75	0.00	1.01	1.00	0.003	-0.007	0.030	0.030	0.025	0.017
-0.80	0.00	1.00	1.00	0.003	-0.005	0.030	0.030	0.023	0.018
-0.80	0.10	1.01	1.01	0.002	-0.002	0.028	0.030	0.025	0.018
-0.75	0.10	1.01	1.01	0.003	-0.003	0.032	0.032	0.025	0.018
-0.70	0.10	1.01	1.01	0.002	-0.003	0.032	0.032	0.027	0.017
-0.65	0.10	1.01	1.01	0.002	-0.002	0.030	0.030	0.023	0.017
-0.60	0.10	1.01	1.01	0.005	0.000	0.030	0.030	0.023	0.015
-0.55	0.10	1.01	1.01	0.005	-0.003	0.033	0.033	0.025	0.018
-0.50	0.10	1.01	1.01	0.002	-0.003	0.032	0.032	0.025	0.022
-0.45	0.10	0.99	0.99	0.000	0.000	0.032	0.032	0.023	0.017
-0.40	0.10	0.99	0.99	-0.003	0.000	0.032	0.032	0.023	0.020
-0.35	0.10	1.00	1.00	-0.002	0.000	0.032	0.032	0.025	0.017
-0.30	0.10	0.99	0.99	0.000	0.002	0.033	0.033	0.023	0.018
-0.25	0.10	0.99	0.99	-0.005	0.002	0.037	0.033	0.025	0.017
-0.20	0.10	1.00	1.00	0.000	0.000	0.032	0.032	0.022	0.020
-0.15	0.10	1.00	1.00	-0.003	0.002	0.032	0.032	0.023	0.015
-0.10	0.10	1.01	1.01	0.000	0.002	0.037	0.037	0.025	0.017
-0.05	0.10	0.99	0.99	0.000	0.002	0.032	0.032	0.027	0.017
0.00	0.10	1.01	1.01	-0.002	0.003	0.028	0.028	0.023	0.015
0.10	0.10	1.00	1.00	-0.005	0.003	0.030	0.030	0.025	0.020
0.20	0.10	1.00	1.00	0.003	0.002	0.028	0.028	0.020	0.017
0.30	0.10	1.01	1.01	0.002	0.003	0.027	0.027	0.025	0.015
0.40	0.10	1.01	1.01	0.002	0.005	0.033	0.033	0.027	0.020
0.50	0.10	1.00	1.00	0.007	0.005	0.035	0.035	0.023	0.018
0.60	0.10	1.01	1.01	0.007	0.000	0.037	0.032	0.023	0.018
0.70	0.10	1.00	1.00	0.002	0.000	0.030	0.030	0.027	0.017
0.80	0.10	1.00	1.00	-0.002	-0.005	0.035	0.035	0.025	0.018
0.80	0.20	1.00	1.00	0.000	-0.003	0.037	0.037	0.033	0.018
0.70	0.20	0.99	0.99	0.002	-0.003	0.030	0.030	0.022	0.018
0.60	0.20	1.00	1.00	0.005	0.000	0.037	0.033	0.025	0.017
0.50	0.20	1.00	1.00	0.003	0.002	0.033	0.033	0.022	0.020
0.40	0.20	1.00	1.00	0.000	0.002	0.033	0.033	0.025	0.018
0.30	0.20	1.00	1.00	0.003	0.007	0.032	0.032	0.022	0.017
0.20	0.20	0.99	0.99	0.000	0.003	0.032	0.032	0.025	0.018
0.10	0.20	0.98	0.98	-0.002	0.005	0.030	0.030	0.022	0.018
0.00	0.20	0.99	0.99	-0.002	0.005	0.032	0.032	0.028	0.017

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.05	0.20	0.99	0.99	0.002	0.003	0.037	0.037	0.025	0.020
-0.10	0.20	0.99	0.99	-0.003	0.007	0.032	0.032	0.025	0.015
-0.15	0.20	0.99	0.99	0.000	0.002	0.032	0.032	0.027	0.018
-0.20	0.20	1.00	1.00	-0.003	0.002	0.037	0.037	0.027	0.020
-0.25	0.20	1.01	1.00	-0.002	0.003	0.033	0.033	0.027	0.020
-0.30	0.20	1.01	1.01	-0.003	0.000	0.035	0.035	0.025	0.022
-0.35	0.20	0.99	0.99	-0.005	0.002	0.035	0.035	0.025	0.015
-0.40	0.20	1.00	1.00	0.002	0.002	0.027	0.027	0.025	0.017
-0.45	0.20	1.00	1.00	0.003	0.003	0.030	0.030	0.025	0.017
-0.50	0.20	1.00	1.00	0.005	0.000	0.030	0.030	0.027	0.017
-0.55	0.20	1.00	1.00	0.003	0.002	0.033	0.033	0.027	0.018
-0.60	0.20	1.00	1.00	0.005	-0.002	0.028	0.028	0.025	0.018
-0.65	0.20	1.00	1.00	0.007	0.000	0.030	0.030	0.025	0.017
-0.70	0.20	1.01	1.01	0.005	-0.003	0.030	0.030	0.027	0.018
-0.75	0.20	1.01	1.00	0.003	-0.007	0.028	0.028	0.025	0.017
-0.80	0.20	0.99	0.99	0.005	-0.010	0.028	0.028	0.027	0.022
-0.80	0.30	1.00	1.00	0.007	-0.008	0.032	0.032	0.023	0.017
-0.75	0.30	1.01	1.01	0.000	0.000	0.030	0.030	0.025	0.017
-0.70	0.30	1.00	1.00	0.003	-0.007	0.032	0.032	0.025	0.018
-0.65	0.30	1.00	1.00	0.005	0.000	0.030	0.030	0.028	0.015
-0.60	0.30	1.00	1.00	0.005	0.000	0.028	0.028	0.025	0.018
-0.55	0.30	1.00	1.00	0.007	0.002	0.028	0.028	0.025	0.017
-0.50	0.30	1.00	1.00	0.002	0.003	0.030	0.030	0.025	0.017
-0.47	0.30	1.00	1.00	0.005	0.002	0.032	0.032	0.025	0.017
-0.40	0.30	1.02	1.02	-0.003	0.000	0.032	0.032	0.027	0.020
-0.35	0.30	1.02	1.02	0.000	0.002	0.030	0.030	0.024	0.020
-0.30	0.30	1.00	1.00	0.000	0.003	0.035	0.035	0.024	0.018
-0.25	0.30	0.99	0.99	-0.003	0.002	0.040	0.040	0.024	0.018
-0.20	0.30	1.01	1.01	-0.005	0.005	0.032	0.032	0.025	0.020
-0.15	0.30	1.02	1.02	-0.002	0.005	0.034	0.034	0.024	0.018
-0.10	0.30	1.01	1.01	0.000	0.005	0.035	0.035	0.024	0.022
-0.05	0.30	0.98	0.98	-0.003	0.007	0.034	0.034	0.022	0.020
0.00	0.30	1.01	1.01	0.000	0.003	0.034	0.034	0.022	0.020
0.10	0.30	1.00	1.00	0.000	0.007	0.032	0.032	0.024	0.017
0.20	0.30	1.00	1.00	0.000	0.003	0.030	0.030	0.022	0.018
0.30	0.30	1.03	1.03	-0.001	0.012	0.027	0.027	0.024	0.027
0.40	0.30	1.01	1.01	-0.003	0.003	0.034	0.034	0.024	0.020
0.50	0.30	1.01	1.01	-0.002	0.005	0.034	0.032	0.024	0.015
0.60	0.30	1.02	1.02	0.002	0.000	0.034	0.034	0.024	0.018
0.70	0.30	1.02	1.02	0.003	-0.002	0.034	0.034	0.025	0.017
0.80	0.30	1.02	1.02	-0.002	-0.003	0.032	0.032	0.025	0.020
0.80	0.40	1.07	1.07	-0.007	-0.008	0.034	0.034	0.024	0.020
0.75	0.40	1.02	1.01	0.005	-0.002	0.034	0.034	0.025	0.017
0.70	0.40	1.01	1.01	0.008	-0.003	0.030	0.030	0.025	0.018
0.65	0.40	1.01	1.01	0.005	-0.003	0.029	0.029	0.025	0.022
0.60	0.40	1.01	1.01	0.007	-0.002	0.027	0.027	0.025	0.020
0.55	0.40	1.03	1.03	0.003	-0.002	0.030	0.030	0.024	0.022
0.50	0.40	1.01	1.01	0.003	-0.005	0.030	0.030	0.025	0.022
0.45	0.40	0.97	0.97	-0.002	0.002	0.030	0.030	0.022	0.017
0.40	0.40	0.96	0.96	0.000	0.003	0.042	0.042	0.024	0.017
0.30	0.40	1.01	1.01	0.000	0.008	0.029	0.029	0.020	0.017
0.20	0.40	1.02	1.02	-0.002	0.000	0.035	0.035	0.024	0.018
0.10	0.40	1.00	1.00	-0.002	0.007	0.030	0.030	0.027	0.017
0.00	0.40	1.01	1.01	0.000	0.007	0.034	0.034	0.025	0.017
-0.05	0.40	1.02	1.02	0.002	0.005	0.035	0.035	0.022	0.020
-0.10	0.40	1.02	1.02	0.005	0.002	0.042	0.042	0.024	0.022
-0.15	0.40	1.02	1.02	0.000	0.005	0.035	0.035	0.024	0.022
-0.20	0.40	1.01	1.01	0.002	0.003	0.034	0.035	0.024	0.022
-0.25	0.40	1.02	1.02	-0.003	0.005	0.030	0.030	0.025	0.018
-0.30	0.40	1.01	1.01	-0.002	0.002	0.034	0.034	0.024	0.020

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.35	0.40	1.01	1.01	0.002	0.002	0.032	0.032	0.024	0.020
-0.40	0.40	1.01	1.01	0.005	0.003	0.032	0.032	0.027	0.022
-0.45	0.40	1.00	1.00	0.007	-0.002	0.030	0.030	0.024	0.022
-0.50	0.40	1.00	1.00	0.000	0.000	0.035	0.035	0.027	0.020
-0.55	0.40	1.02	1.02	0.003	0.003	0.035	0.035	0.025	0.020
-0.60	0.40	1.01	1.01	0.003	-0.002	0.029	0.029	0.027	0.018
-0.65	0.40	1.01	1.01	0.003	-0.005	0.034	0.034	0.027	0.020
-0.70	0.40	1.01	1.01	0.005	-0.005	0.032	0.032	0.025	0.018
-0.75	0.40	1.01	1.01	0.000	-0.010	0.034	0.034	0.027	0.022
-0.80	0.40	1.02	1.01	0.002	-0.010	0.032	0.032	0.025	0.025
-0.80	0.50	1.00	1.00	0.000	-0.012	0.032	0.032	0.025	0.022
-0.75	0.50	1.02	1.02	0.005	-0.012	0.034	0.034	0.025	0.022
-0.70	0.50	1.02	1.02	0.002	-0.003	0.034	0.034	0.024	0.020
-0.65	0.50	1.01	1.01	0.008	-0.003	0.034	0.034	0.025	0.020
-0.60	0.50	1.01	1.01	0.007	0.000	0.034	0.034	0.027	0.018
-0.55	0.50	1.01	1.01	0.007	0.000	0.030	0.030	0.027	0.018
-0.50	0.50	1.01	1.01	0.005	-0.002	0.032	0.032	0.025	0.018
-0.45	0.50	1.01	1.01	0.003	-0.003	0.032	0.032	0.027	0.022
-0.40	0.50	1.01	1.01	0.005	-0.003	0.034	0.034	0.025	0.020
-0.35	0.50	1.01	1.01	0.000	0.000	0.032	0.032	0.024	0.025
-0.30	0.50	1.02	1.02	0.002	-0.002	0.042	0.042	0.022	0.020
-0.25	0.50	1.01	1.01	-0.003	0.000	0.035	0.035	0.024	0.022
-0.20	0.50	0.99	0.98	0.003	0.002	0.034	0.034	0.024	0.020
-0.15	0.50	1.01	1.01	0.000	-0.007	0.032	0.032	0.025	0.022
-0.10	0.50	1.00	1.00	0.000	0.002	0.025	0.025	0.025	0.020
-0.05	0.50	0.99	0.99	0.003	0.003	0.034	0.034	0.024	0.022
0.00	0.50	1.00	1.00	-0.002	0.003	0.032	0.032	0.024	0.020
0.10	0.50	1.00	1.00	0.000	0.003	0.035	0.035	0.022	0.020
0.20	0.50	1.00	1.00	0.007	0.003	0.032	0.032	0.024	0.017
0.30	0.50	0.98	0.98	0.002	0.000	0.032	0.032	0.025	0.020
0.40	0.50	1.01	1.00	0.000	-0.003	0.035	0.035	0.022	0.022
0.45	0.50	0.98	0.98	0.000	-0.005	0.042	0.042	0.024	0.020
0.50	0.50	1.00	1.00	0.003	-0.005	0.042	0.042	0.022	0.020
0.55	0.50	1.01	1.00	0.007	-0.007	0.037	0.037	0.027	0.020
0.60	0.50	0.99	0.99	0.002	-0.005	0.037	0.037	0.027	0.017
0.65	0.50	0.99	0.99	0.007	-0.002	0.045	0.045	0.025	0.020
0.70	0.50	0.97	0.97	0.013	-0.002	0.052	0.052	0.025	0.018
0.75	0.50	0.94	0.94	0.005	-0.010	0.044	0.044	0.022	0.017
0.80	0.50	0.94	0.94	-0.012	-0.013	0.034	0.034	0.040	0.017
0.80	0.60	0.95	0.95	0.002	-0.017	0.029	0.029	0.029	0.018
0.75	0.60	0.96	0.96	0.007	-0.012	0.030	0.030	0.027	0.018
0.70	0.60	0.95	0.95	0.005	-0.012	0.029	0.029	0.029	0.017
0.65	0.60	0.95	0.95	0.003	-0.012	0.032	0.032	0.024	0.017
0.60	0.60	0.94	0.93	0.002	-0.013	0.034	0.034	0.024	0.018
0.55	0.60	0.92	0.92	-0.002	-0.012	0.030	0.030	0.025	0.017
0.50	0.60	0.94	0.94	-0.003	-0.013	0.032	0.032	0.030	0.017
0.45	0.60	0.93	0.93	0.000	-0.010	0.035	0.035	0.030	0.017
0.40	0.60	0.93	0.93	-0.002	-0.007	0.034	0.034	0.027	0.018
0.30	0.60	0.98	0.98	-0.003	-0.007	0.044	0.044	0.027	0.017
0.20	0.60	0.98	0.98	-0.005	0.000	0.034	0.034	0.032	0.017
0.10	0.60	1.01	1.00	-0.005	0.000	0.029	0.029	0.032	0.024
0.00	0.60	1.00	1.00	0.002	0.010	0.047	0.047	0.029	0.022
-0.05	0.60	1.01	1.01	0.003	0.003	0.030	0.030	0.024	0.022
-0.10	0.60	1.00	1.00	0.007	-0.003	0.030	0.030	0.022	0.024
-0.15	0.60	1.01	1.01	0.000	-0.003	0.035	0.035	0.027	0.025
-0.20	0.60	0.99	0.99	0.000	0.003	0.029	0.029	0.025	0.020
-0.25	0.60	0.98	0.98	-0.002	-0.002	0.029	0.029	0.024	0.022
-0.30	0.60	0.97	0.97	-0.002	0.000	0.030	0.030	0.027	0.024
-0.35	0.60	1.01	1.01	-0.002	-0.003	0.032	0.032	0.024	0.027
-0.40	0.60	1.01	1.01	0.003	-0.003	0.032	0.032	0.029	0.027

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.45	0.60	0.98	0.98	-0.002	-0.002	0.034	0.034	0.024	0.024
-0.50	0.60	1.01	1.01	0.000	-0.007	0.029	0.029	0.022	0.025
-0.55	0.60	0.99	0.99	0.002	-0.003	0.035	0.035	0.024	0.022
-0.60	0.60	1.01	1.01	0.000	-0.005	0.037	0.037	0.024	0.025
-0.65	0.60	0.99	0.99	0.003	-0.007	0.040	0.040	0.025	0.024
-0.70	0.60	1.05	1.05	0.003	-0.008	0.039	0.039	0.024	0.025
-0.75	0.60	0.99	0.99	0.000	-0.008	0.032	0.032	0.025	0.025
-0.80	0.60	0.99	0.99	0.002	-0.008	0.032	0.032	0.025	0.024
-0.80	0.70	1.01	1.01	0.002	-0.010	0.027	0.029	0.025	0.025
-0.75	0.70	1.01	1.01	0.000	-0.008	0.035	0.035	0.025	0.025
-0.70	0.70	1.00	1.00	0.000	-0.003	0.034	0.034	0.022	0.022
-0.65	0.70	1.02	1.02	0.007	-0.002	0.030	0.030	0.022	0.025
-0.60	0.70	1.01	1.01	-0.002	-0.007	0.027	0.027	0.025	0.025
-0.55	0.70	1.01	1.01	0.003	-0.007	0.032	0.032	0.024	0.025
-0.50	0.70	1.01	1.01	-0.002	0.000	0.034	0.034	0.024	0.024
-0.45	0.70	1.02	1.02	0.000	0.002	0.037	0.037	0.025	0.025
-0.40	0.70	0.99	0.98	0.000	0.000	0.030	0.030	0.022	0.022
-0.35	0.70	0.99	0.99	-0.002	0.002	0.032	0.032	0.022	0.024
-0.30	0.70	1.00	1.00	-0.002	-0.002	0.027	0.027	0.022	0.025
-0.25	0.70	0.99	0.99	0.000	-0.005	0.029	0.029	0.027	0.024
-0.20	0.70	1.01	1.01	0.002	-0.003	0.027	0.027	0.025	0.022
-0.15	0.70	1.01	1.01	0.000	-0.005	0.035	0.035	0.027	0.021
-0.10	0.70	1.01	1.01	0.000	0.002	0.034	0.034	0.027	0.018
-0.05	0.70	0.97	0.96	0.000	0.005	0.037	0.037	0.025	0.018
0.00	0.70	0.91	0.91	-0.002	0.010	0.049	0.049	0.025	0.020
0.10	0.70	0.92	0.91	-0.003	0.024	0.034	0.034	0.024	0.017
0.20	0.70	0.93	0.93	0.000	-0.002	0.029	0.029	0.022	0.015
0.30	0.70	0.93	0.93	0.000	0.000	0.030	0.030	0.022	0.012
0.40	0.70	0.95	0.95	0.000	-0.003	0.032	0.032	0.022	0.013
0.45	0.70	0.95	0.95	0.002	-0.007	0.029	0.029	0.022	0.013
0.50	0.70	0.95	0.95	0.002	-0.012	0.025	0.025	0.024	0.018
0.55	0.70	0.93	0.93	0.000	-0.013	0.025	0.025	0.027	0.017
0.60	0.70	0.92	0.92	0.002	-0.013	0.029	0.029	0.027	0.017
0.65	0.70	0.92	0.92	0.007	-0.012	0.027	0.027	0.024	0.017
0.70	0.70	0.94	0.94	0.009	-0.019	0.027	0.027	0.024	0.020
0.75	0.70	0.94	0.94	0.010	-0.017	0.027	0.027	0.024	0.020
0.80	0.70	0.92	0.92	0.009	-0.020	0.027	0.027	0.024	0.024
0.80	0.80	0.94	0.94	-0.003	-0.017	0.027	0.027	0.027	0.022
0.75	0.80	0.94	0.94	0.005	-0.017	0.031	0.031	0.026	0.022
0.70	0.80	0.95	0.95	0.009	-0.019	0.032	0.032	0.024	0.020
0.65	0.80	0.94	0.94	0.003	-0.014	0.027	0.027	0.024	0.019
0.60	0.80	0.96	0.96	0.002	-0.015	0.026	0.026	0.024	0.020
0.55	0.80	0.96	0.96	0.002	-0.014	0.026	0.026	0.026	0.017
0.50	0.80	0.95	0.95	0.009	-0.009	0.027	0.027	0.026	0.017
0.45	0.80	0.94	0.94	0.005	-0.007	0.026	0.026	0.024	0.019
0.40	0.80	0.94	0.94	0.009	-0.007	0.027	0.027	0.022	0.019
0.30	0.80	0.95	0.95	0.007	-0.009	0.027	0.027	0.024	0.017
0.20	0.80	0.93	0.93	0.003	-0.007	0.036	0.036	0.024	0.019
0.10	0.80	0.90	0.90	0.003	0.012	0.031	0.031	0.029	0.022
0.00	0.80	0.91	0.91	-0.002	0.002	0.032	0.032	0.024	0.020
-0.05	0.80	0.92	0.92	-0.003	-0.015	0.029	0.029	0.026	0.020
-0.10	0.80	0.93	0.93	-0.009	-0.015	0.029	0.029	0.026	0.022
-0.15	0.80	0.95	0.95	-0.002	-0.022	0.031	0.031	0.024	0.024
-0.20	0.80	0.95	0.95	0.002	-0.009	0.027	0.027	0.026	0.020
-0.25	0.80	0.94	0.94	0.000	-0.009	0.026	0.026	0.024	0.020
-0.30	0.80	0.96	0.96	-0.002	-0.009	0.031	0.031	0.027	0.022
-0.35	0.80	0.97	0.97	0.002	0.000	0.037	0.037	0.026	0.020
-0.40	0.80	1.01	1.01	0.005	0.020	0.037	0.036	0.026	0.065
-0.45	0.80	1.01	1.01	0.000	0.010	0.029	0.029	0.026	0.017
-0.50	0.80	1.01	1.01	-0.005	0.003	0.029	0.029	0.026	0.020
-0.55	0.80	1.02	1.02	0.002	0.000	0.029	0.029	0.026	0.022
-0.60	0.80	1.02	1.02	0.000	0.002	0.031	0.031	0.024	0.020
-0.65	0.80	1.01	1.01	-0.002	0.002	0.026	0.026	0.024	0.019
-0.70	0.80	1.01	1.01	0.003	-0.003	0.027	0.027	0.024	0.019
-0.75	0.80	1.01	1.01	0.000	-0.010	0.026	0.026	0.024	0.020
-0.80	0.80	0.99	0.99	-0.002	-0.015	0.032	0.032	0.022	0.019

Table C-2, Station 4, $\theta = 0°$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.00	1.02	1.01	-0.023	-0.018	0.038	0.038	0.045	0.028
0.70	0.00	1.03	1.03	-0.023	-0.008	0.030	0.030	0.026	0.021
0.60	0.00	1.05	1.05	-0.040	-0.007	0.031	0.031	0.028	0.023
0.50	0.00	1.06	1.06	-0.045	-0.005	0.033	0.033	0.026	0.023
0.40	0.00	1.06	1.06	-0.049	0.000	0.031	0.031	0.026	0.021
0.30	0.00	1.07	1.07	-0.054	-0.005	0.031	0.031	0.026	0.026
0.20	0.00	1.08	1.08	-0.058	-0.003	0.031	0.031	0.025	0.020
0.10	0.00	1.10	1.09	-0.061	0.000	0.030	0.030	0.025	0.023
0.00	0.00	1.10	1.10	-0.064	0.003	0.028	0.028	0.026	0.021
-0.05	0.00	1.12	1.12	-0.066	-0.002	0.031	0.031	0.026	0.025
-0.10	0.00	1.12	1.12	-0.066	-0.003	0.030	0.030	0.025	0.025
-0.15	0.00	1.12	1.12	-0.068	0.000	0.033	0.033	0.028	0.025
-0.20	0.00	1.12	1.12	-0.068	-0.003	0.030	0.030	0.028	0.031
-0.25	0.00	1.12	1.12	-0.066	0.000	0.030	0.030	0.026	0.023
-0.30	0.00	1.12	1.12	-0.061	-0.003	0.030	0.030	0.026	0.025
-0.35	0.00	1.13	1.13	-0.061	-0.002	0.031	0.031	0.025	0.026
-0.40	0.00	1.13	1.13	-0.059	-0.003	0.031	0.031	0.026	0.023
-0.45	0.00	1.13	1.12	-0.054	-0.005	0.031	0.031	0.026	0.026
-0.50	0.00	1.14	1.14	-0.049	-0.005	0.031	0.031	0.026	0.025
-0.55	0.00	1.15	1.15	-0.046	-0.008	0.033	0.033	0.025	0.025
-0.60	0.00	1.16	1.16	-0.045	-0.008	0.026	0.026	0.026	0.025
-0.65	0.00	1.17	1.17	-0.036	-0.007	0.031	0.031	0.028	0.023
-0.70	0.00	1.17	1.17	-0.033	-0.007	0.030	0.030	0.026	0.025
-0.75	0.00	1.16	1.16	-0.031	-0.008	0.031	0.031	0.026	0.028
-0.80	0.00	1.17	1.17	-0.026	-0.008	0.031	0.031	0.028	0.025
-0.80	-0.10	1.18	1.18	-0.026	-0.010	0.031	0.031	0.030	0.026
-0.75	-0.10	1.18	1.18	-0.031	-0.008	0.028	0.028	0.026	0.028
-0.70	-0.10	1.17	1.17	-0.035	-0.007	0.028	0.028	0.028	0.025
-0.65	-0.10	1.15	1.15	-0.040	-0.003	0.031	0.031	0.028	0.028
-0.60	-0.10	1.16	1.15	-0.040	-0.005	0.026	0.026	0.025	0.026
-0.55	-0.10	1.14	1.14	-0.041	-0.005	0.030	0.030	0.025	0.026
-0.50	-0.10	1.14	1.14	-0.048	-0.005	0.033	0.033	0.028	0.025
-0.45	-0.10	1.13	1.13	-0.053	-0.002	0.030	0.030	0.026	0.025
-0.40	-0.10	1.13	1.12	-0.058	0.000	0.028	0.028	0.028	0.020
-0.35	-0.10	1.11	1.11	-0.061	0.000	0.030	0.030	0.028	0.023
-0.30	-0.10	1.12	1.12	-0.064	0.000	0.028	0.028	0.026	0.025
-0.25	-0.10	1.10	1.10	-0.063	0.003	0.030	0.030	0.023	0.018
-0.20	-0.10	1.10	1.09	-0.064	0.005	0.031	0.031	0.026	0.023
-0.15	-0.10	1.11	1.11	-0.068	0.002	0.031	0.031	0.028	0.023
-0.10	-0.10	1.09	1.09	-0.064	0.003	0.030	0.030	0.026	0.021
-0.05	-0.10	1.09	1.09	-0.061	0.002	0.031	0.031	0.026	0.023
0.00	-0.10	1.09	1.09	-0.069	0.000	0.033	0.031	0.028	0.025
0.10	-0.10	1.08	1.07	-0.062	0.000	0.031	0.031	0.026	0.021
0.20	-0.10	1.05	1.05	-0.059	-0.003	0.028	0.028	0.025	0.025
0.30	-0.10	1.07	1.07	-0.059	-0.002	0.028	0.028	0.029	0.023
0.40	-0.10	1.05	1.05	-0.052	0.000	0.031	0.031	0.026	0.021
0.50	-0.10	1.04	1.04	-0.049	-0.005	0.031	0.031	0.028	0.023
0.60	-0.10	1.04	1.04	-0.044	-0.007	0.029	0.029	0.028	0.025
0.70	-0.10	1.03	1.03	-0.025	-0.007	0.029	0.029	0.031	0.020
0.80	-0.10	1.04	1.04	-0.021	-0.010	0.028	0.028	0.029	0.023
0.80	-0.20	1.03	1.03	-0.020	-0.008	0.036	0.036	0.026	0.023
0.70	-0.20	1.04	1.04	-0.025	-0.007	0.031	0.031	0.043	0.025
0.60	-0.20	1.05	1.05	-0.044	0.000	0.028	0.028	0.031	0.021
0.50	-0.20	1.06	1.05	-0.049	-0.002	0.031	0.031	0.028	0.023
0.40	-0.20	1.06	1.05	-0.056	0.000	0.031	0.031	0.026	0.023
0.30	-0.20	1.07	1.06	-0.059	0.002	0.028	0.028	0.026	0.023
0.20	-0.20	1.09	1.09	-0.064	0.002	0.033	0.033	0.026	0.025
0.10	-0.20	1.08	1.08	-0.065	-0.003	0.031	0.031	0.028	0.025
0.00	-0.20	1.09	1.09	-0.064	0.000	0.034	0.034	0.028	0.023
-0.05	-0.20	1.09	1.08	-0.065	-0.005	0.033	0.033	0.033	0.025

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.10	-0.20	1.09	1.09	-0.067	0.002	0.029	0.031	0.028	0.023
-0.15	-0.20	1.10	1.10	-0.070	-0.005	0.033	0.033	0.028	0.025
-0.20	-0.20	1.12	1.11	-0.067	-0.002	0.029	0.029	0.025	0.026
-0.25	-0.20	1.11	1.11	-0.064	-0.002	0.029	0.029	0.023	0.026
-0.30	-0.20	1.09	1.09	-0.060	-0.002	0.033	0.033	0.033	0.025
-0.35	-0.20	1.10	1.09	-0.057	0.002	0.029	0.029	0.031	0.025
-0.40	-0.20	1.12	1.12	-0.059	-0.003	0.029	0.029	0.029	0.029
-0.45	-0.20	1.13	1.13	-0.054	-0.003	0.031	0.031	0.029	0.023
-0.50	-0.20	1.13	1.13	-0.047	-0.003	0.031	0.031	0.028	0.025
-0.55	-0.20	1.13	1.13	-0.047	-0.005	0.031	0.031	0.029	0.026
-0.60	-0.20	1.16	1.15	-0.044	-0.008	0.031	0.031	0.026	0.026
-0.65	-0.20	1.16	1.16	-0.038	-0.005	0.029	0.029	0.028	0.026
-0.70	-0.20	1.16	1.16	-0.033	-0.002	0.033	0.033	0.028	0.023
-0.75	-0.20	1.16	1.16	-0.031	-0.007	0.034	0.034	0.031	0.025
-0.80	-0.20	1.17	1.17	-0.023	-0.008	0.031	0.031	0.026	0.025
-0.60	-0.30	1.16	1.16	-0.038	-0.007	0.031	0.031	0.023	0.023
-0.55	-0.30	1.14	1.14	-0.038	-0.011	0.029	0.029	0.031	0.028
-0.50	-0.30	1.13	1.13	-0.046	-0.010	0.034	0.034	0.025	0.025
-0.47	-0.30	1.14	1.13	-0.046	-0.007	0.029	0.029	0.026	0.026
-0.40	-0.30	1.12	1.12	-0.047	-0.005	0.033	0.033	0.025	0.023
-0.35	-0.30	1.12	1.11	-0.064	-0.011	0.033	0.033	0.033	0.029
-0.30	-0.30	1.10	1.10	-0.067	-0.010	0.034	0.034	0.031	0.029
-0.25	-0.30	1.10	1.10	-0.072	-0.011	0.033	0.033	0.033	0.029
-0.20	-0.30	1.10	1.09	-0.100	-0.010	0.049	0.048	0.123	0.034
-0.15	-0.30	1.09	1.09	-0.072	-0.011	0.033	0.033	0.031	0.031
-0.10	-0.30	1.08	1.08	-0.070	-0.010	0.034	0.034	0.031	0.028
-0.05	-0.30	1.09	1.09	-0.067	-0.010	0.031	0.031	0.031	0.031
0.00	-0.30	1.09	1.08	-0.069	-0.010	0.031	0.031	0.031	0.028
0.10	-0.30	1.07	1.07	-0.064	-0.011	0.031	0.031	0.029	0.029
0.20	-0.30	1.07	1.07	-0.064	-0.008	0.034	0.034	0.029	0.028
0.30	-0.30	1.06	1.05	-0.060	-0.013	0.031	0.031	0.028	0.029
0.40	-0.30	1.05	1.05	-0.056	-0.008	0.033	0.033	0.031	0.028
0.50	-0.30	1.05	1.04	-0.054	-0.010	0.029	0.029	0.031	0.029
0.60	-0.30	1.04	1.04	-0.044	-0.005	0.029	0.031	0.029	0.028
0.70	-0.30	1.04	1.04	-0.039	-0.010	0.028	0.028	0.036	0.028
0.80	-0.30	1.03	1.03	-0.046	-0.013	0.036	0.033	0.085	0.029
0.80	-0.40	1.02	1.02	-0.041	-0.008	0.041	0.039	0.064	0.034
0.75	-0.40	1.04	1.04	-0.031	-0.007	0.029	0.029	0.038	0.028
0.70	-0.40	1.04	1.04	-0.034	-0.005	0.029	0.029	0.043	0.029
0.65	-0.40	1.02	1.02	-0.036	-0.002	0.034	0.034	0.034	0.026
0.60	-0.40	1.03	1.03	-0.044	-0.003	0.031	0.031	0.043	0.025
0.55	-0.40	1.05	1.05	-0.056	-0.005	0.031	0.031	0.031	0.026
0.50	-0.40	1.05	1.04	-0.067	-0.005	0.031	0.031	0.049	0.025
0.45	-0.40	1.06	1.05	-0.082	0.000	0.046	0.031	0.095	0.023
0.40	-0.40	1.06	1.05	-0.080	-0.008	0.029	0.028	0.060	0.029
0.30	-0.40	1.06	1.06	-0.078	-0.007	0.033	0.029	0.082	0.028
0.20	-0.40	1.07	1.06	-0.087	-0.005	0.029	0.028	0.057	0.029
0.10	-0.40	1.08	1.08	-0.085	-0.005	0.034	0.034	0.046	0.028
0.00	-0.40	1.08	1.08	-0.090	-0.008	0.038	0.038	0.064	0.029
-0.05	-0.40	1.10	1.09	-0.082	-0.005	0.031	0.031	0.041	0.029
-0.10	-0.40	1.09	1.09	-0.080	-0.005	0.033	0.033	0.033	0.026
0.15	-0.40	1.10	1.10	-0.075	-0.005	0.028	0.028	0.071	0.029
-0.20	-0.40	1.10	1.10	-0.077	-0.010	0.029	0.029	0.034	0.021
-0.25	-0.40	1.11	1.10	-0.077	-0.007	0.031	0.031	0.033	0.028
-0.30	-0.40	1.12	1.12	-0.070	-0.011	0.028	0.028	0.036	0.029
-0.35	-0.40	1.12	1.12	-0.069	-0.011	0.033	0.034	0.036	0.029
-0.40	-0.40	1.12	1.12	-0.069	-0.015	0.034	0.034	0.041	0.029
-0.45	-0.40	1.13	1.12	-0.067	-0.011	0.031	0.031	0.039	0.028
-0.50	-0.40	1.13	1.12	-0.067	-0.013	0.029	0.031	0.036	0.028
-0.55	-0.40	1.14	1.14	-0.064	-0.011	0.033	0.033	0.041	0.031

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.60	-0.40	1.14	1.14	-0.057	-0.011	0.033	0.034	0.034	0.028
-0.65	-0.40	1.15	1.14	-0.047	-0.003	0.039	0.039	0.034	0.029
-0.70	-0.40	1.16	1.16	-0.046	-0.002	0.046	0.046	0.031	0.026
-0.75	-0.40	1.17	1.17	-0.039	-0.007	0.041	0.041	0.033	0.028
-0.80	-0.40	1.17	1.17	-0.038	0.003	0.056	0.057	0.036	0.023
-0.80	-0.50	1.19	1.19	-0.041	-0.005	0.059	0.059	0.033	0.029
-0.75	-0.50	1.17	1.17	-0.039	-0.003	0.047	0.047	0.031	0.026
-0.70	-0.50	1.17	1.17	-0.044	-0.003	0.036	0.036	0.036	0.025
-0.65	-0.50	1.16	1.15	-0.051	-0.002	0.036	0.036	0.033	0.028
-0.60	-0.50	1.15	1.15	-0.052	-0.003	0.039	0.039	0.031	0.028
-0.55	-0.50	1.15	1.15	-0.056	-0.005	0.041	0.041	0.036	0.028
-0.50	-0.50	1.14	1.14	-0.061	-0.003	0.039	0.039	0.031	0.028
-0.45	-0.50	1.14	1.13	-0.064	-0.005	0.039	0.039	0.057	0.029
-0.40	-0.50	1.14	1.14	-0.065	0.000	0.056	0.056	0.031	0.023
-0.35	-0.50	1.13	1.12	-0.067	0.003	0.036	0.036	0.029	0.025
-0.30	-0.50	1.12	1.11	-0.069	0.000	0.043	0.043	0.043	0.028
-0.25	-0.50	1.12	1.11	-0.072	0.005	0.043	0.043	0.036	0.023
-0.20	-0.50	1.11	1.11	-0.070	0.002	0.036	0.036	0.033	0.028
-0.15	-0.50	1.10	1.10	-0.065	0.002	0.039	0.039	0.033	0.023
-0.10	-0.50	1.09	1.08	-0.067	0.002	0.034	0.033	0.039	0.026
-0.05	-0.50	1.10	1.10	-0.065	0.008	0.034	0.034	0.033	0.021
0.00	-0.50	1.08	1.08	-0.065	0.005	0.041	0.041	0.031	0.021
0.10	-0.50	1.08	1.08	-0.062	0.007	0.038	0.038	0.033	0.023
0.20	-0.50	1.07	1.07	-0.061	0.005	0.033	0.033	0.036	0.025
0.30	-0.50	1.07	1.06	-0.062	0.007	0.038	0.038	0.031	0.025
0.40	-0.50	1.06	1.06	-0.057	0.008	0.044	0.044	0.044	0.025
0.45	-0.50	1.06	1.06	-0.052	0.008	0.044	0.044	0.036	0.023
0.50	-0.50	1.06	1.06	-0.047	0.011	0.044	0.044	0.029	0.021
0.55	-0.50	1.05	1.05	-0.041	0.005	0.033	0.033	0.036	0.023
0.60	-0.50	1.06	1.05	-0.031	0.008	0.039	0.039	0.033	0.020
0.65	-0.50	1.04	1.04	-0.034	0.007	0.043	0.043	0.033	0.018
0.70	-0.50	1.04	1.04	-0.033	0.007	0.041	0.041	0.044	0.018
0.75	-0.50	1.05	1.05	-0.028	0.002	0.051	0.051	0.046	0.023
0.80	-0.50	1.03	1.03	-0.025	-0.002	0.049	0.049	0.036	0.033
0.80	-0.60	1.01	1.00	-0.029	-0.002	0.062	0.062	0.057	0.024
0.75	-0.60	1.04	1.04	-0.021	0.002	0.044	0.044	0.039	0.029
0.70	-0.60	1.06	1.05	-0.036	0.005	0.039	0.038	0.057	0.025
0.65	-0.60	1.06	1.06	-0.031	0.007	0.039	0.038	0.052	0.020
0.60	-0.60	1.05	1.05	-0.043	0.003	0.043	0.043	0.067	0.021
0.55	-0.60	1.05	1.05	-0.039	0.003	0.043	0.043	0.044	0.021
0.50	-0.60	1.05	1.04	-0.049	0.005	0.047	0.047	0.039	0.020
0.45	-0.60	1.05	1.05	-0.051	-0.003	0.038	0.038	0.033	0.025
0.40	-0.60	1.04	1.04	-0.049	0.002	0.036	0.036	0.029	0.025
0.30	-0.60	1.08	1.07	-0.059	0.003	0.049	0.049	0.036	0.023
0.20	-0.60	1.07	1.07	-0.059	0.000	0.041	0.043	0.036	0.021
0.10	-0.60	1.08	1.08	-0.067	0.002	0.043	0.041	0.051	0.025
0.00	-0.60	1.10	1.09	-0.069	0.000	0.054	0.054	0.036	0.023
-0.05	-0.60	1.08	1.08	-0.062	0.003	0.042	0.042	0.041	0.024
-0.10	-0.60	1.10	1.10	-0.065	0.003	0.042	0.042	0.033	0.023
-0.15	-0.60	1.10	1.10	-0.065	0.007	0.049	0.049	0.031	0.023
-0.20	-0.60	1.10	1.09	-0.064	0.005	0.054	0.055	0.033	0.023
-0.25	-0.60	1.11	1.11	-0.062	0.002	0.039	0.039	0.033	0.028
-0.30	-0.60	1.10	1.10	-0.065	0.008	0.041	0.041	0.033	0.021
-0.35	-0.60	1.12	1.12	-0.064	0.002	0.039	0.039	0.033	0.026
-0.40	-0.60	1.12	1.12	-0.055	0.002	0.057	0.057	0.031	0.023
-0.45	-0.60	1.12	1.12	-0.051	0.003	0.041	0.041	0.037	0.023
-0.50	-0.60	1.14	1.14	-0.052	-0.002	0.060	0.060	0.034	0.028
-0.55	-0.60	1.15	1.15	-0.047	-0.002	0.039	0.039	0.034	0.031
-0.60	-0.60	1.12	1.12	-0.037	0.003	0.047	0.047	0.033	0.026
-0.65	-0.60	1.13	1.13	-0.036	-0.007	0.036	0.036	0.034	0.033

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.70	-0.60	1.16	1.16	-0.031	-0.002	0.047	0.047	0.031	0.028
-0.75	-0.60	1.16	1.16	-0.024	-0.002	0.039	0.039	0.029	0.024
-0.80	-0.60	1.15	1.15	-0.018	-0.002	0.039	0.039	0.033	0.028
-0.80	-0.70	1.16	1.16	-0.021	0.003	0.049	0.049	0.037	0.026
-0.75	-0.70	1.15	1.15	-0.029	-0.002	0.037	0.037	0.037	0.026
-0.70	-0.70	1.16	1.16	-0.031	0.002	0.037	0.037	0.031	0.026
-0.65	-0.70	1.14	1.14	-0.037	0.003	0.046	0.046	0.029	0.023
-0.60	-0.70	1.13	1.13	-0.037	0.005	0.060	0.060	0.033	0.023
-0.55	-0.70	1.14	1.14	-0.037	0.000	0.037	0.037	0.036	0.026
-0.50	-0.70	1.14	1.14	-0.041	0.000	0.037	0.037	0.031	0.028
-0.45	-0.70	1.11	1.11	-0.049	-0.003	0.057	0.057	0.031	0.029
-0.40	-0.70	1.12	1.12	-0.051	0.002	0.039	0.039	0.036	0.026
-0.35	-0.70	1.12	1.12	-0.054	0.002	0.041	0.041	0.031	0.024
-0.30	-0.70	1.12	1.12	-0.057	0.000	0.041	0.041	0.031	0.026
-0.25	-0.70	1.10	1.10	-0.059	0.000	0.065	0.065	0.034	0.026
-0.20	-0.70	1.10	1.10	-0.062	-0.002	0.036	0.036	0.036	0.024
-0.15	-0.70	1.09	1.09	-0.060	0.000	0.051	0.051	0.037	0.029
-0.10	-0.70	1.12	1.12	-0.064	0.000	0.047	0.049	0.029	0.026
-0.05	-0.70	1.10	1.10	-0.065	-0.002	0.044	0.044	0.033	0.023
0.00	-0.70	1.08	1.08	-0.060	0.000	0.039	0.041	0.034	0.023
0.10	-0.70	1.08	1.08	-0.060	0.000	0.039	0.039	0.036	0.024
0.20	-0.70	1.06	1.06	-0.060	0.000	0.037	0.037	0.036	0.026
0.30	-0.70	1.06	1.05	-0.057	0.005	0.034	0.034	0.031	0.026
0.40	-0.70	1.05	1.04	-0.049	0.002	0.039	0.039	0.031	0.023
0.45	-0.70	1.04	1.04	-0.054	-0.002	0.041	0.041	0.033	0.026
0.50	-0.70	1.05	1.05	-0.049	0.002	0.037	0.037	0.060	0.026
0.55	-0.70	1.04	1.03	-0.044	0.000	0.042	0.041	0.041	0.026
0.60	-0.70	1.03	1.03	-0.034	0.003	0.033	0.033	0.051	0.023
0.65	-0.70	1.04	1.04	-0.028	0.007	0.039	0.039	0.039	0.023
0.70	-0.70	1.03	1.03	-0.029	0.007	0.036	0.034	0.042	0.026
0.75	-0.70	1.03	1.03	-0.026	0.005	0.041	0.041	0.041	0.028
0.80	-0.70	0.96	0.96	-0.026	0.007	0.070	0.070	0.039	0.049
0.80	-0.80	0.87	0.87	-0.028	-0.008	0.094	0.096	0.041	0.059
0.75	-0.80	0.93	0.93	-0.029	0.000	0.075	0.075	0.050	0.046
0.70	-0.80	0.96	0.96	-0.031	0.007	0.063	0.065	0.039	0.044
0.65	-0.80	1.00	0.99	-0.041	0.010	0.050	0.050	0.054	0.033
0.60	-0.80	1.02	1.02	-0.039	0.003	0.041	0.041	0.054	0.029
0.55	-0.80	1.03	1.03	-0.039	0.005	0.036	0.036	0.039	0.024
0.50	-0.80	1.03	1.03	-0.047	0.005	0.036	0.036	0.046	0.026
0.45	-0.80	1.04	1.04	-0.054	0.003	0.036	0.036	0.036	0.024
0.40	-0.80	1.05	1.04	-0.059	0.002	0.039	0.039	0.029	0.026
0.30	-0.80	1.05	1.04	-0.062	-0.002	0.033	0.033	0.039	0.024
0.20	-0.80	1.07	1.07	-0.062	-0.002	0.031	0.031	0.036	0.024
0.10	-0.80	1.07	1.07	-0.063	-0.007	0.031	0.031	0.037	0.026
0.00	-0.80	1.08	1.08	-0.063	-0.005	0.033	0.033	0.033	0.024
-0.05	-0.80	1.09	1.09	-0.067	-0.007	0.036	0.036	0.034	0.029
-0.10	-0.80	1.09	1.09	-0.063	-0.005	0.041	0.041	0.031	0.024
-0.15	-0.80	1.09	1.09	-0.059	-0.007	0.034	0.034	0.034	0.028
-0.20	-0.80	1.10	1.10	-0.054	-0.002	0.031	0.033	0.036	0.024
-0.25	-0.80	1.11	1.11	-0.059	-0.007	0.037	0.037	0.034	0.028
-0.30	-0.80	1.09	1.09	-0.054	-0.002	0.033	0.033	0.031	0.023
-0.35	-0.80	1.12	1.11	-0.057	-0.008	0.036	0.036	0.033	0.028
-0.40	-0.80	1.10	1.10	-0.052	-0.003	0.034	0.034	0.039	0.026
-0.45	-0.80	1.12	1.12	-0.047	-0.010	0.036	0.036	0.029	0.029
-0.50	-0.80	1.13	1.12	-0.046	-0.007	0.034	0.034	0.031	0.026
-0.55	-0.80	1.14	1.14	-0.047	-0.005	0.039	0.039	0.029	0.029
-0.60	-0.80	1.15	1.15	-0.044	-0.003	0.034	0.034	0.033	0.026
-0.65	-0.80	1.15	1.15	-0.037	-0.003	0.037	0.037	0.034	0.026
-0.70	-0.80	1.16	1.16	-0.042	-0.003	0.031	0.031	0.033	0.028
-0.75	-0.80	1.15	1.15	-0.037	-0.005	0.036	0.034	0.046	0.031

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.80	-0.80	1.15	1.15	-0.023	-0.003	0.039	0.039	0.044	0.031
-0.80	-0.90	1.09	1.08	-0.067	-0.013	0.094	0.094	0.045	0.052
-0.75	-0.90	1.12	1.12	-0.057	0.010	0.074	0.074	0.052	0.045
-0.70	-0.90	1.15	1.15	-0.047	0.007	0.065	0.065	0.057	0.054
-0.65	-0.90	1.14	1.14	-0.050	-0.010	0.064	0.064	0.033	0.054
-0.60	-0.90	1.15	1.14	-0.072	-0.005	0.074	0.074	0.040	0.052
-0.55	-0.90	1.13	1.13	-0.067	-0.010	0.064	0.065	0.032	0.045
-0.50	-0.90	1.16	1.16	-0.055	-0.008	0.045	0.045	0.027	0.027
-0.40	-0.90	1.16	1.15	-0.062	-0.005	0.043	0.043	0.022	0.023
-0.30	-0.90	1.13	1.13	-0.075	-0.017	0.050	0.050	0.033	0.032
-0.20	-0.90	1.14	1.14	-0.060	-0.003	0.055	0.055	0.042	0.023
-0.10	-0.90	1.12	1.12	-0.077	-0.010	0.048	0.050	0.030	0.037
0.00	-0.90	1.09	1.09	-0.062	-0.020	0.054	0.055	0.030	0.040
0.10	-0.90	1.10	1.10	-0.064	-0.013	0.040	0.042	0.028	0.075
0.20	-0.90	1.07	1.07	-0.069	0.003	0.040	0.040	0.042	0.023
0.30	-0.90	1.05	1.05	-0.060	-0.002	0.042	0.042	0.028	0.030
0.40	-0.90	1.01	1.01	-0.065	-0.002	0.077	0.079	0.038	0.060
0.50	-0.90	1.01	1.00	-0.059	-0.003	0.062	0.060	0.043	0.042
0.60	-0.90	0.96	0.96	-0.062	-0.007	0.085	0.087	0.037	0.055
0.70	-0.90	0.81	0.81	-0.057	-0.002	0.089	0.089	0.032	0.069
0.80	-0.90	0.74	0.73	0.055	-0.018	0.094	0.095	0.065	0.065
0.80	-0.93	1.05	1.05	-0.040	-0.008	0.087	0.085	0.053	0.050
-0.75	-0.93	1.10	1.10	-0.055	-0.007	0.082	0.083	0.062	0.057
-0.70	-0.93	1.05	1.04	-0.058	-0.002	0.110	0.111	0.065	0.058
-0.65	-0.93	1.06	1.06	-0.068	0.012	0.113	0.117	0.058	0.052
-0.60	-0.93	1.13	1.13	-0.075	-0.012	0.077	0.077	0.038	0.048
-0.55	-0.93	1.18	1.17	-0.070	0.000	0.045	0.043	0.080	0.037
-0.50	-0.93	1.13	1.13	-0.057	-0.012	0.072	0.072	0.053	0.038
-0.40	-0.93	1.13	1.13	-0.062	0.007	0.038	0.040	0.040	0.017
-0.30	-0.93	1.14	1.14	-0.068	0.003	0.040	0.040	0.038	0.020
-0.20	-0.93	1.13	1.13	-0.057	0.002	0.023	0.023	0.025	0.018
-0.10	-0.93	1.09	1.09	-0.060	-0.002	0.027	0.027	0.032	0.018
0.00	-0.93	1.08	1.08	-0.055	-0.008	0.035	0.035	0.027	0.023
0.20	-0.93	1.08	1.08	-0.065	-0.010	0.037	0.035	0.032	0.025
0.30	-0.93	1.06	1.05	-0.060	-0.003	0.043	0.043	0.025	0.043
0.40	-0.93	1.02	1.01	-0.060	-0.013	0.092	0.092	0.030	0.032
0.50	-0.93	0.96	0.96	-0.055	-0.015	0.095	0.095	0.030	0.047
0.55	-0.93	0.93	0.93	-0.047	-0.012	0.083	0.083	0.025	0.058
0.60	-0.93	0.90	0.89	-0.043	-0.007	0.123	0.127	0.032	0.055
0.65	-0.93	0.83	0.82	-0.063	0.017	0.068	0.070	0.048	0.065
0.70	-0.93	0.81	0.81	-0.038	0.003	0.100	0.100	0.040	0.053
0.80	-0.93	0.74	0.73	-0.038	-0.010	0.120	0.120	0.085	0.040
-0.80	-0.95	1.00	0.99	-0.063	0.005	0.078	0.081	0.086	0.064
-0.75	-0.95	0.95	0.94	-0.035	-0.008	0.122	0.122	0.073	0.057
-0.70	-0.95	0.94	0.94	-0.048	-0.005	0.137	0.137	0.061	0.056
-0.65	-0.95	1.03	1.02	-0.074	-0.007	0.119	0.119	0.073	0.067
-0.60	-0.95	1.01	1.00	-0.071	-0.007	0.145	0.147	0.064	0.053
-0.55	-0.95	1.03	1.02	-0.083	-0.005	0.069	0.068	0.051	0.036
-0.50	-0.95	1.06	1.06	-0.071	0.005	0.058	0.058	0.064	0.070
-0.40	-0.95	1.05	1.05	-0.063	-0.003	0.069	0.069	0.056	0.026
-0.30	-0.95	1.03	1.03	-0.073	0.000	0.055	0.056	0.036	0.031
-0.20	-0.95	1.03	1.02	-0.084	-0.003	0.041	0.041	0.026	0.020
-0.10	-0.95	1.02	1.01	-0.078	-0.002	0.051	0.053	0.033	0.028
0.00	-0.95	1.02	1.02	-0.074	-0.005	0.053	0.053	0.028	0.018
0.10	-0.95	1.03	1.03	-0.068	0.015	0.056	0.056	0.035	0.041
0.20	-0.95	1.00	1.00	-0.081	-0.026	0.079	0.081	0.033	0.046
0.30	-0.95	1.00	0.99	-0.066	-0.023	0.089	0.089	0.045	0.053
0.40	-0.95	0.94	0.93	-0.073	-0.028	0.102	0.104	0.058	0.067
0.50	-0.95	0.91	0.91	-0.050	-0.020	0.131	0.132	0.030	0.050
0.60	-0.95	0.86	0.85	-0.051	-0.023	0.101	0.101	0.053	0.051

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.70	-0.95	0.71	0.71	-0.050	-0.007	0.086	0.086	0.058	0.063
0.80	-0.95	0.66	0.66	-0.041	-0.003	0.088	0.088	0.058	0.048
-0.80	-0.96	0.94	0.93	-0.077	-0.003	0.114	0.118	0.074	0.069
-0.75	-0.96	0.94	0.93	-0.067	-0.005	0.114	0.114	0.067	0.071
-0.70	-0.96	0.92	0.91	-0.069	0.010	0.113	0.116	0.087	0.076
-0.65	-0.96	0.91	0.90	-0.082	0.000	0.161	0.163	0.077	0.057
-0.60	-0.96	0.90	0.89	-0.089	0.007	0.116	0.116	0.079	0.050
-0.55	-0.96	0.92	0.91	-0.064	0.010	0.114	0.119	0.076	0.050
-0.50	-0.96	0.92	0.91	-0.096	0.002	0.084	0.086	0.052	0.029
-0.40	-0.96	0.95	0.94	-0.072	-0.003	0.097	0.097	0.050	0.042
-0.30	-0.96	0.92	0.92	-0.096	-0.005	0.052	0.052	0.040	0.022
-0.20	-0.96	0.95	0.94	-0.082	0.000	0.079	0.079	0.037	0.018
-0.10	-0.96	0.92	0.92	-0.086	0.003	0.072	0.072	0.034	0.025
0.00	-0.96	0.94	0.93	-0.084	-0.005	0.060	0.059	0.040	0.020
0.10	-0.96	0.94	0.94	-0.067	-0.012	0.062	0.064	0.032	0.025
0.20	-0.96	0.95	0.95	-0.066	-0.012	0.087	0.087	0.035	0.025
0.30	-0.96	0.93	0.93	-0.064	-0.020	0.104	0.106	0.037	0.045
0.40	-0.96	0.90	0.89	-0.079	-0.010	0.119	0.119	0.045	0.057
0.50	-0.96	0.79	0.78	-0.054	0.000	0.106	0.106	0.032	0.057
0.60	-0.96	0.83	0.83	-0.067	-0.030	0.092	0.096	0.047	0.066
0.70	-0.96	0.67	0.66	-0.057	0.007	0.126	0.128	0.060	0.057
0.80	-0.96	0.64	0.64	-0.044	-0.013	0.096	0.097	0.044	0.067
0.70	0.00	1.06	1.05	-0.026	-0.008	0.043	0.043	0.041	0.026
0.60	0.00	1.06	1.06	-0.041	-0.003	0.033	0.033	0.033	0.026
0.50	0.00	1.06	1.06	-0.046	0.002	0.036	0.036	0.030	0.023
0.40	0.00	1.07	1.07	-0.062	0.003	0.043	0.043	0.054	0.023
0.30	0.00	1.07	1.07	-0.069	0.005	0.038	0.036	0.054	0.021
0.20	0.00	1.08	1.08	-0.066	0.007	0.039	0.039	0.049	0.021
0.10	0.00	1.08	1.08	-0.069	0.000	0.031	0.031	0.064	0.023
0.00	0.00	1.12	1.12	-0.077	0.005	0.056	0.058	0.064	0.025
-0.05	0.00	1.11	1.11	-0.066	0.003	0.031	0.031	0.036	0.028
-0.10	0.00	1.11	1.11	-0.076	0.007	0.041	0.043	0.061	0.025
-0.15	0.00	1.10	1.09	-0.071	0.003	0.039	0.038	0.061	0.021
-0.20	0.00	1.10	1.10	-0.067	0.007	0.041	0.041	0.039	0.025
-0.25	0.00	1.11	1.11	-0.067	0.005	0.035	0.035	0.046	0.026
-0.30	0.00	1.13	1.12	-0.066	0.000	0.036	0.035	0.059	0.028
-0.35	0.00	1.12	1.12	-0.059	0.000	0.036	0.038	0.039	0.030
-0.40	0.00	1.13	1.12	-0.067	-0.002	0.038	0.036	0.053	0.026
-0.45	0.00	1.14	1.13	-0.058	-0.002	0.038	0.038	0.048	0.026
-0.50	0.00	1.16	1.16	-0.051	-0.002	0.051	0.051	0.036	0.028
-0.55	0.00	1.15	1.14	-0.043	-0.005	0.038	0.036	0.048	0.030
-0.60	0.00	1.13	1.12	-0.053	0.000	0.047	0.043	0.054	0.025
-0.65	0.00	1.18	1.17	-0.051	-0.003	0.053	0.051	0.061	0.026
-0.70	0.00	1.16	1.16	-0.038	-0.003	0.041	0.041	0.035	0.026
-0.75	0.00	1.16	1.16	-0.030	-0.008	0.066	0.066	0.036	0.026
-0.80	0.00	1.18	1.18	-0.030	-0.007	0.033	0.035	0.041	0.026
-0.80	0.10	1.18	1.18	-0.018	-0.008	0.054	0.054	0.033	0.026
-0.75	0.10	1.17	1.17	-0.033	-0.002	0.036	0.036	0.031	0.025
-0.70	0.10	1.15	1.15	-0.031	0.000	0.038	0.039	0.036	0.026
-0.65	0.10	1.16	1.16	-0.036	0.000	0.041	0.041	0.031	0.028
-0.60	0.10	1.16	1.16	-0.038	-0.003	0.036	0.036	0.033	0.030
-0.55	0.10	1.16	1.16	-0.044	0.003	0.039	0.038	0.031	0.026
-0.50	0.10	1.14	1.14	-0.049	0.002	0.036	0.036	0.030	0.028
-0.45	0.10	1.15	1.15	-0.053	-0.002	0.039	0.039	0.033	0.028
-0.40	0.10	1.12	1.12	-0.054	0.002	0.039	0.041	0.035	0.031
-0.35	0.10	1.15	1.15	-0.061	0.002	0.039	0.039	0.035	0.028
-0.30	0.10	1.12	1.11	-0.059	0.002	0.033	0.035	0.035	0.028
0.25	0.10	1.11	1.11	-0.071	0.003	0.038	0.038	0.031	0.028
-0.20	0.10	1.12	1.11	-0.064	0.005	0.035	0.035	0.033	0.028
-0.15	0.10	1.10	1.10	-0.069	0.007	0.041	0.041	0.030	0.030

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.10	0.10	1.09	1.09	-0.074	0.008	0.039	0.041	0.038	0.028
-0.05	0.10	1.09	1.09	-0.067	0.007	0.033	0.033	0.030	0.020
0.00	0.10	1.10	1.10	-0.072	0.005	0.043	0.043	0.026	0.030
0.10	0.10	1.05	1.05	-0.065	0.010	0.039	0.039	0.028	0.019
0.20	0.10	1.06	1.06	-0.060	0.011	0.034	0.034	0.032	0.017
0.30	0.10	1.05	1.05	-0.058	0.006	0.039	0.039	0.031	0.023
0.40	0.10	1.04	1.04	-0.052	0.005	0.034	0.034	0.032	0.023
0.50	0.10	1.04	1.04	-0.050	0.000	0.034	0.034	0.031	0.028
0.60	0.10	1.04	1.04	-0.047	-0.002	0.034	0.034	0.031	0.023
0.70	0.10	1.02	1.02	-0.034	-0.010	0.039	0.039	0.028	0.026
0.80	0.10	1.03	1.03	-0.021	-0.013	0.037	0.037	0.032	0.034
0.80	0.20	1.02	1.02	-0.028	-0.013	0.041	0.042	0.057	0.029
0.70	0.20	1.03	1.03	-0.036	-0.008	0.036	0.036	0.032	0.023
0.60	0.20	1.03	1.03	-0.042	-0.002	0.034	0.036	0.037	0.021
0.50	0.20	1.04	1.04	-0.047	0.000	0.042	0.042	0.031	0.024
0.40	0.20	1.04	1.04	-0.052	0.006	0.031	0.031	0.032	0.023
0.30	0.20	1.05	1.05	-0.057	0.006	0.034	0.034	0.034	0.021
0.20	0.20	1.07	1.06	-0.060	0.008	0.050	0.050	0.032	0.023
0.10	0.20	1.06	1.05	-0.063	0.003	0.044	0.044	0.036	0.028
0.00	0.20	1.08	1.08	-0.065	0.006	0.037	0.037	0.029	0.026
-0.05	0.20	1.08	1.08	-0.067	0.008	0.050	0.050	0.034	0.021
-0.10	0.20	1.07	1.07	-0.067	0.008	0.037	0.037	0.032	0.023
-0.15	0.20	1.07	1.07	-0.065	0.008	0.039	0.039	0.029	0.024
-0.20	0.20	1.10	1.09	-0.071	0.005	0.031	0.031	0.034	0.024
-0.25	0.20	1.09	1.09	-0.063	0.008	0.034	0.034	0.032	0.020
-0.30	0.20	1.11	1.10	-0.067	0.003	0.039	0.039	0.028	0.028
-0.35	0.20	1.10	1.09	-0.062	0.008	0.042	0.042	0.034	0.023
-0.40	0.20	1.11	1.11	-0.052	0.008	0.041	0.041	0.029	0.026
-0.45	0.20	1.12	1.11	-0.052	0.003	0.037	0.039	0.036	0.026
-0.50	0.20	1.12	1.12	-0.049	0.008	0.037	0.037	0.031	0.021
-0.55	0.20	1.12	1.12	-0.045	0.003	0.039	0.039	0.034	0.026
-0.60	0.20	1.13	1.13	-0.042	0.000	0.034	0.034	0.032	0.026
-0.65	0.20	1.14	1.14	-0.037	0.000	0.034	0.034	0.041	0.028
-0.70	0.20	1.13	1.13	-0.034	-0.002	0.032	0.032	0.029	0.023
-0.75	0.20	1.12	1.12	-0.031	0.000	0.036	0.036	0.034	0.023
-0.80	0.20	1.13	1.13	-0.024	-0.008	0.034	0.034	0.044	0.031
-0.80	0.30	1.13	1.13	-0.019	-0.006	0.034	0.034	0.031	0.024
-0.75	0.30	1.14	1.14	-0.028	-0.002	0.049	0.049	0.031	0.023
-0.70	0.30	1.14	1.14	-0.034	0.000	0.034	0.034	0.031	0.024
-0.65	0.30	1.14	1.14	-0.037	0.002	0.034	0.034	0.029	0.026
-0.60	0.30	1.13	1.13	-0.041	0.002	0.045	0.045	0.031	0.028
-0.55	0.30	1.13	1.13	-0.044	0.002	0.037	0.037	0.031	0.024
-0.50	0.30	1.12	1.12	-0.045	0.000	0.044	0.044	0.031	0.028
-0.45	0.30	1.12	1.12	-0.049	0.005	0.045	0.045	0.029	0.024
-0.40	0.30	1.12	1.12	-0.066	0.000	0.055	0.055	0.029	0.036
-0.35	0.30	1.11	1.10	-0.067	0.000	0.067	0.067	0.031	0.033
-0.30	0.30	1.14	1.14	-0.069	-0.003	0.053	0.053	0.033	0.036
-0.25	0.30	1.13	1.13	-0.071	-0.005	0.055	0.057	0.028	0.038
-0.20	0.30	1.13	1.13	-0.071	0.000	0.057	0.057	0.031	0.035
-0.15	0.30	1.13	1.12	-0.069	-0.002	0.060	0.060	0.029	0.036
-0.10	0.30	1.10	1.09	-0.069	0.000	0.053	0.055	0.029	0.033
-0.05	0.30	1.09	1.09	-0.071	0.002	0.052	0.053	0.026	0.027
0.00	0.30	1.10	1.09	-0.069	-0.002	0.060	0.060	0.029	0.038
0.10	0.30	1.08	1.08	-0.069	0.000	0.048	0.050	0.028	0.036
0.20	0.30	1.09	1.08	-0.071	0.005	0.052	0.052	0.029	0.026
0.30	0.30	1.06	1.06	-0.066	-0.002	0.048	0.048	0.026	0.035
0.40	0.30	1.07	1.07	-0.062	-0.002	0.048	0.048	0.024	0.035
0.50	0.30	1.06	1.06	-0.057	0.002	0.057	0.057	0.026	0.028
0.60	0.30	1.07	1.07	-0.048	-0.007	0.047	0.047	0.028	0.033
0.70	0.30	1.06	1.06	-0.047	-0.009	0.055	0.055	0.031	0.031

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
0.80	0.30	1.03	1.03	-0.036	-0.016	0.057	0.057	0.033	0.036
0.80	0.40	1.03	1.03	-0.036	-0.036	0.060	0.062	0.031	0.053
0.75	0.40	1.05	1.05	-0.040	-0.022	0.059	0.059	0.031	0.040
0.70	0.40	1.04	1.04	-0.041	-0.014	0.066	0.066	0.031	0.035
0.65	0.40	1.05	1.05	-0.045	-0.005	0.064	0.064	0.031	0.028
0.60	0.40	1.05	1.05	-0.047	-0.005	0.067	0.067	0.031	0.029
0.55	0.40	1.06	1.06	-0.052	0.000	0.064	0.064	0.035	0.029
0.50	0.40	1.05	1.05	-0.052	-0.002	0.064	0.064	0.031	0.031
0.45	0.40	1.06	1.06	-0.057	0.000	0.076	0.076	0.029	0.028
0.40	0.40	1.07	1.07	-0.057	0.000	0.066	0.066	0.033	0.026
0.30	0.40	1.07	1.06	-0.062	0.003	0.067	0.067	0.031	0.022
0.20	0.40	1.10	1.10	-0.067	0.000	0.078	0.078	0.029	0.035
0.10	0.40	1.11	1.10	-0.069	0.005	0.060	0.060	0.031	0.031
0.00	0.40	1.09	1.09	-0.064	0.010	0.060	0.062	0.029	0.026
-0.05	0.40	1.09	1.09	-0.067	0.009	0.059	0.059	0.033	0.029
-0.10	0.40	1.09	1.09	-0.064	0.009	0.071	0.071	0.035	0.028
-0.15	0.40	1.14	1.13	-0.067	0.005	0.066	0.066	0.033	0.029
-0.20	0.40	1.10	1.10	-0.071	0.005	0.078	0.079	0.033	0.029
-0.25	0.40	1.11	1.11	-0.067	0.002	0.060	0.060	0.035	0.029
-0.30	0.40	1.13	1.13	-0.066	0.002	0.060	0.060	0.033	0.028
-0.35	0.40	1.12	1.12	-0.069	0.000	0.062	0.062	0.035	0.029
-0.40	0.40	1.13	1.13	-0.072	0.002	0.071	0.071	0.033	0.033
-0.45	0.40	1.15	1.15	-0.066	0.000	0.060	0.060	0.036	0.031
-0.50	0.40	1.13	1.13	-0.066	0.000	0.072	0.072	0.035	0.035
-0.55	0.40	1.15	1.14	-0.062	0.002	0.069	0.069	0.033	0.029
-0.60	0.40	1.16	1.15	-0.053	-0.002	0.060	0.060	0.033	0.031
-0.65	0.40	1.14	1.14	-0.053	0.002	0.067	0.067	0.036	0.026
-0.70	0.40	1.17	1.17	-0.052	-0.003	0.067	0.067	0.033	0.036
-0.75	0.40	1.18	1.18	-0.041	-0.009	0.064	0.064	0.038	0.036
-0.80	0.40	1.18	1.18	-0.038	-0.017	0.065	0.065	0.033	0.036
-0.80	0.50	1.19	1.19	-0.043	-0.012	0.072	0.072	0.036	0.031
-0.75	0.50	1.18	1.18	-0.043	-0.010	0.083	0.083	0.038	0.033
-0.70	0.50	1.15	1.15	-0.046	-0.007	0.071	0.071	0.034	0.036
-0.65	0.50	1.17	1.16	-0.053	-0.002	0.062	0.064	0.034	0.034
-0.60	0.50	1.18	1.18	-0.065	0.005	0.069	0.069	0.038	0.031
-0.55	0.50	1.17	1.17	-0.069	0.000	0.062	0.062	0.034	0.034
-0.50	0.50	1.13	1.13	-0.069	0.002	0.062	0.062	0.034	0.033
-0.45	0.50	1.15	1.15	-0.069	0.002	0.089	0.089	0.033	0.033
-0.40	0.50	1.14	1.14	-0.076	0.000	0.058	0.058	0.033	0.034
-0.35	0.50	1.14	1.13	-0.076	0.002	0.060	0.060	0.033	0.036
-0.30	0.50	1.12	1.12	-0.071	-0.002	0.055	0.055	0.038	0.034
0.25	0.50	1.12	1.11	-0.074	0.010	0.060	0.060	0.036	0.024
-0.20	0.50	1.09	1.09	-0.069	0.010	0.067	0.067	0.033	0.031
0.15	0.50	1.10	1.09	-0.069	0.014	0.064	0.064	0.034	0.024
-0.10	0.50	1.09	1.09	-0.072	0.009	0.074	0.074	0.033	0.031
-0.05	0.50	1.08	1.08	-0.071	0.009	0.083	0.083	0.031	0.033
0.00	0.50	1.11	1.10	-0.069	0.007	0.067	0.067	0.033	0.038
0.10	0.50	1.11	1.11	-0.065	0.003	0.088	0.088	0.033	0.036
0.20	0.50	1.08	1.08	-0.065	0.009	0.058	0.058	0.036	0.026
0.30	0.50	1.08	1.08	-0.064	0.005	0.057	0.057	0.034	0.029
0.40	0.50	1.07	1.06	-0.055	-0.002	0.069	0.069	0.034	0.031
0.45	0.50	1.05	1.05	-0.052	-0.007	0.062	0.062	0.034	0.034
0.50	0.50	1.04	1.04	-0.046	-0.015	0.071	0.071	0.034	0.033
0.55	0.50	1.04	1.04	-0.043	-0.019	0.060	0.060	0.033	0.034
0.60	0.50	1.04	1.04	-0.043	-0.028	0.081	0.081	0.034	0.043
0.65	0.50	1.03	1.03	-0.036	-0.029	0.071	0.071	0.034	0.038
0.70	0.50	1.02	1.02	-0.036	-0.041	0.067	0.069	0.031	0.046
0.75	0.50	1.02	1.02	-0.034	-0.033	0.069	0.069	0.031	0.040
0.80	0.50	1.00	1.00	-0.031	-0.036	0.091	0.091	0.033	0.041
0.80	0.60	0.98	0.98	-0.026	-0.026	0.053	0.055	0.031	0.034

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.75	0.60	0.99	0.98	-0.026	-0.028	0.064	0.064	0.034	0.034
0.70	0.60	0.99	0.99	-0.029	-0.028	0.060	0.060	0.034	0.036
0.65	0.60	0.98	0.98	-0.034	-0.028	0.048	0.048	0.031	0.038
0.60	0.60	0.99	0.98	-0.041	-0.024	0.050	0.050	0.033	0.036
0.55	0.60	0.98	0.98	-0.048	-0.021	0.057	0.057	0.036	0.031
0.50	0.60	0.99	0.99	-0.046	-0.028	0.077	0.077	0.034	0.036
0.45	0.60	1.01	1.01	-0.052	-0.021	0.069	0.071	0.034	0.036
0.40	0.60	1.01	1.01	-0.055	-0.017	0.055	0.055	0.031	0.031
0.30	0.60	1.04	1.03	-0.055	-0.010	0.077	0.077	0.033	0.031
0.20	0.60	1.06	1.06	-0.055	-0.002	0.057	0.057	0.033	0.026
0.10	0.60	1.10	1.10	-0.064	-0.003	0.055	0.055	0.034	0.022
0.00	0.60	1.10	1.10	-0.060	-0.007	0.081	0.081	0.034	0.031
-0.05	0.60	1.11	1.10	-0.066	0.008	0.051	0.051	0.040	0.025
-0.10	0.60	1.09	1.09	-0.062	0.010	0.051	0.051	0.035	0.027
-0.15	0.60	1.10	1.10	-0.064	0.008	0.064	0.064	0.034	0.027
-0.20	0.60	1.12	1.12	-0.066	0.005	0.062	0.062	0.032	0.027
-0.25	0.60	1.10	1.10	-0.066	0.002	0.064	0.064	0.034	0.025
-0.30	0.60	1.12	1.11	-0.067	-0.003	0.051	0.051	0.034	0.025
-0.35	0.60	1.10	1.10	-0.064	-0.002	0.059	0.059	0.032	0.024
-0.40	0.60	1.11	1.11	-0.062	0.005	0.054	0.054	0.032	0.022
-0.45	0.60	1.12	1.12	-0.062	0.000	0.061	0.061	0.034	0.022
-0.50	0.60	1.13	1.12	-0.057	0.002	0.046	0.046	0.034	0.025
-0.55	0.60	1.16	1.16	-0.054	0.000	0.057	0.057	0.034	0.029
-0.60	0.60	1.16	1.15	-0.047	0.000	0.059	0.059	0.034	0.029
-0.65	0.60	1.16	1.16	-0.042	-0.002	0.040	0.042	0.035	0.025
-0.70	0.60	1.16	1.15	-0.039	-0.003	0.057	0.057	0.030	0.025
-0.75	0.60	1.17	1.17	-0.032	-0.005	0.054	0.054	0.035	0.027
-0.80	0.60	1.18	1.17	-0.032	-0.008	0.049	0.049	0.030	0.029
-0.80	0.70	1.18	1.18	-0.037	-0.005	0.047	0.047	0.035	0.029
-0.75	0.70	1.17	1.17	-0.035	-0.005	0.047	0.049	0.030	0.030
-0.70	0.70	1.16	1.16	-0.039	0.000	0.046	0.046	0.030	0.024
-0.65	0.70	1.16	1.15	-0.046	-0.002	0.042	0.044	0.034	0.027
-0.60	0.70	1.14	1.13	-0.049	-0.002	0.046	0.046	0.034	0.029
-0.55	0.70	1.13	1.13	-0.054	-0.003	0.044	0.044	0.032	0.029
-0.50	0.70	1.14	1.13	-0.062	0.000	0.051	0.051	0.034	0.025
-0.45	0.70	1.13	1.13	-0.061	0.002	0.052	0.052	0.030	0.024
-0.40	0.70	1.11	1.11	-0.064	0.002	0.052	0.052	0.029	0.025
-0.35	0.70	1.11	1.10	-0.067	-0.003	0.047	0.047	0.035	0.027
-0.30	0.70	1.04	1.03	-0.061	-0.002	0.071	0.072	0.032	0.024
-0.25	0.70	1.04	1.04	-0.071	0.000	0.091	0.091	0.032	0.027
-0.20	0.70	1.09	1.09	-0.064	0.008	0.049	0.049	0.032	0.029
-0.15	0.70	1.07	1.07	-0.064	0.010	0.051	0.051	0.035	0.030
-0.10	0.70	1.04	1.04	-0.057	0.003	0.062	0.062	0.029	0.037
-0.05	0.70	1.03	1.03	-0.062	0.005	0.059	0.059	0.032	0.030
0.00	0.70	1.01	1.01	-0.064	-0.005	0.054	0.054	0.034	0.032
0.10	0.70	0.99	0.98	-0.059	-0.008	0.051	0.052	0.032	0.034
0.20	0.70	0.98	0.98	-0.057	-0.017	0.052	0.052	0.039	0.032
0.30	0.70	0.96	0.96	-0.057	-0.020	0.067	0.067	0.035	0.037
0.40	0.70	0.97	0.96	-0.054	-0.017	0.059	0.059	0.034	0.032
0.45	0.70	0.90	0.89	-0.047	-0.013	0.113	0.113	0.034	0.029
0.50	0.70	0.96	0.96	-0.044	-0.017	0.072	0.072	0.034	0.032
0.55	0.70	0.97	0.97	-0.044	-0.015	0.054	0.054	0.034	0.035
0.60	0.70	0.98	0.98	-0.040	-0.015	0.051	0.051	0.032	0.027
0.65	0.70	0.97	0.97	-0.034	-0.015	0.051	0.051	0.034	0.030
0.70	0.70	0.98	0.98	-0.036	-0.012	0.048	0.048	0.031	0.029
0.80	0.70	0.96	0.96	-0.024	-0.015	0.054	0.056	0.037	0.037
0.80	0.80	0.90	0.90	-0.025	-0.007	0.065	0.065	0.049	0.039
0.70	0.80	0.97	0.97	-0.036	-0.012	0.048	0.048	0.037	0.032
0.60	0.80	0.98	0.98	-0.039	-0.014	0.049	0.049	0.034	0.027
0.50	0.80	0.99	0.99	-0.046	-0.008	0.049	0.049	0.036	0.024

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.40	0.80	0.99	0.99	-0.053	-0.010	0.049	0.049	0.034	0.031
0.30	0.80	1.00	1.00	-0.061	-0.012	0.049	0.049	0.036	0.037
0.20	0.80	1.02	1.01	-0.061	-0.012	0.044	0.044	0.036	0.032
0.10	0.80	1.00	1.00	-0.058	-0.020	0.056	0.058	0.032	0.037
0.00	0.80	0.96	0.96	-0.059	-0.014	0.048	0.048	0.034	0.032
-0.10	0.80	1.00	1.00	-0.066	-0.020	0.048	0.048	0.034	0.042
-0.20	0.80	1.03	1.03	-0.075	-0.012	0.048	0.049	0.036	0.032
-0.30	0.80	1.05	1.05	-0.070	-0.008	0.044	0.044	0.034	0.029
-0.40	0.80	1.10	1.09	-0.070	-0.012	0.056	0.058	0.034	0.034
-0.50	0.80	1.15	1.15	-0.066	0.002	0.053	0.053	0.031	0.027
-0.55	0.80	1.15	1.15	-0.061	0.005	0.051	0.051	0.037	0.032
-0.60	0.80	1.15	1.15	-0.054	0.003	0.053	0.053	0.037	0.024
-0.65	0.80	1.17	1.17	-0.058	0.000	0.056	0.056	0.037	0.029
-0.70	0.80	1.17	1.17	-0.049	0.000	0.048	0.049	0.039	0.029
-0.75	0.80	1.18	1.18	-0.051	-0.002	0.056	0.056	0.034	0.027
-0.80	0.80	1.18	1.18	-0.042	0.000	0.054	0.054	0.044	0.025
-0.80	0.80	1.20	1.20	-0.046	-0.030	0.044	0.044	0.034	0.044
-0.80	0.70	1.19	1.19	-0.051	-0.022	0.044	0.044	0.034	0.044
-0.80	0.60	1.20	1.19	-0.040	-0.027	0.049	0.049	0.032	0.047
-0.80	0.50	1.19	1.19	-0.044	-0.024	0.040	0.042	0.032	0.037
-0.80	0.40	1.18	1.17	-0.044	-0.034	0.056	0.057	0.027	0.042
-0.80	0.30	1.17	1.17	-0.047	-0.030	0.047	0.047	0.032	0.046
-0.80	0.20	1.18	1.18	-0.044	-0.013	0.056	0.056	0.032	0.037
-0.80	0.10	1.16	1.16	-0.037	-0.030	0.047	0.049	0.030	0.047
-0.80	0.00	1.15	1.15	-0.039	-0.022	0.049	0.049	0.024	0.044
-0.80	-0.10	1.15	1.15	-0.044	-0.034	0.040	0.040	0.034	0.044
-0.80	-0.20	1.18	1.17	-0.042	-0.027	0.046	0.046	0.034	0.042
-0.80	-0.30	1.18	1.18	-0.046	-0.039	0.052	0.054	0.037	0.044
-0.80	-0.40	1.18	1.18	-0.040	-0.024	0.044	0.044	0.030	0.044
-0.80	-0.50	1.18	1.17	-0.042	-0.024	0.056	0.057	0.032	0.042
-0.80	-0.60	1.18	1.18	-0.044	-0.024	0.049	0.049	0.035	0.040
-0.80	-0.70	1.17	1.17	-0.037	-0.005	0.057	0.057	0.035	0.027
-0.80	-0.80	1.17	1.17	-0.049	-0.017	0.067	0.067	0.039	0.042
-0.90	0.80	1.19	1.19	-0.042	-0.024	0.061	0.063	0.058	0.046
-0.90	0.70	1.19	1.19	-0.036	-0.029	0.053	0.054	0.041	0.046
-0.90	0.60	1.22	1.22	-0.037	-0.032	0.056	0.058	0.051	0.037
-0.90	0.50	1.18	1.18	-0.025	-0.041	0.056	0.058	0.042	0.039
-0.90	0.40	1.22	1.21	-0.032	-0.042	0.056	0.056	0.034	0.044
-0.90	0.30	1.21	1.20	-0.025	-0.061	0.049	0.051	0.034	0.056
-0.90	0.20	1.21	1.20	-0.029	-0.041	0.066	0.066	0.044	0.039
-0.90	0.10	1.20	1.19	-0.031	-0.027	0.041	0.041	0.032	0.041
-0.90	0.00	1.19	1.19	-0.039	-0.031	0.037	0.037	0.036	0.036
-0.90	-0.10	1.20	1.20	-0.024	-0.037	0.054	0.056	0.037	0.047
-0.90	-0.20	1.20	1.20	-0.024	-0.036	0.051	0.053	0.036	0.047
-0.90	-0.30	1.19	1.19	-0.037	-0.031	0.054	0.054	0.034	0.039
-0.90	-0.40	1.20	1.20	-0.029	-0.025	0.053	0.053	0.032	0.042
-0.90	-0.50	1.19	1.19	-0.027	-0.020	0.054	0.054	0.031	0.039
-0.90	-0.60	1.21	1.21	-0.025	-0.014	0.051	0.053	0.037	0.036
-0.90	-0.70	1.17	1.17	-0.036	-0.022	0.049	0.049	0.042	0.042
-0.90	-0.80	1.11	1.11	-0.020	0.007	0.090	0.090	0.053	0.053
-0.93	0.80	1.18	1.18	-0.024	-0.010	0.083	0.083	0.063	0.046
-0.93	0.70	1.19	1.18	-0.036	-0.029	0.052	0.052	0.046	0.044
-0.93	0.60	1.19	1.18	-0.030	-0.036	0.057	0.057	0.046	0.049
-0.93	0.50	1.19	1.19	-0.029	-0.036	0.054	0.054	0.049	0.049
-0.93	0.40	1.20	1.20	-0.022	-0.030	0.052	0.052	0.034	0.041
-0.93	0.30	1.16	1.16	-0.024	-0.044	0.064	0.066	0.044	0.047
-0.93	0.20	1.21	1.21	-0.022	-0.041	0.057	0.057	0.030	0.041
-0.93	0.10	1.19	1.19	-0.032	-0.029	0.052	0.052	0.034	0.037
-0.93	0.00	1.17	1.17	-0.036	-0.047	0.063	0.063	0.046	0.041
-0.93	-0.10	1.19	1.19	-0.034	-0.030	0.051	0.051	0.027	0.044

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.93	-0.20	1.17	1.17	-0.024	-0.042	0.056	0.057	0.036	0.052
-0.93	-0.30	1.21	1.21	-0.032	-0.034	0.052	0.052	0.036	0.049
-0.93	-0.40	1.20	1.20	-0.017	-0.022	0.052	0.052	0.042	0.037
-0.93	-0.50	1.20	1.20	-0.029	-0.024	0.054	0.052	0.036	0.032
-0.93	-0.60	1.17	1.17	-0.027	-0.015	0.057	0.057	0.037	0.042
-0.93	-0.70	1.19	1.19	-0.027	-0.010	0.059	0.059	0.046	0.042
-0.93	-0.80	1.12	1.12	-0.028	-0.012	0.059	0.059	0.046	0.042
-0.95	0.80	1.14	1.14	-0.005	-0.005	0.066	0.066	0.058	0.047
-0.95	0.70	1.20	1.20	-0.029	-0.025	0.059	0.059	0.063	0.056
-0.95	0.60	1.20	1.20	-0.019	-0.012	0.063	0.064	0.044	0.036
-0.95	0.50	1.21	1.20	-0.024	-0.027	0.064	0.064	0.051	0.041
-0.95	0.40	1.20	1.20	-0.012	-0.034	0.058	0.058	0.039	0.044
-0.95	0.30	1.23	1.23	-0.020	-0.027	0.059	0.059	0.032	0.044
-0.95	0.20	1.21	1.20	-0.024	-0.024	0.051	0.052	0.044	0.034
-0.95	0.10	1.20	1.19	0.000	-0.030	0.076	0.078	0.054	0.036
-0.95	0.00	1.22	1.21	-0.046	-0.020	0.068	0.069	0.046	0.032
-0.95	-0.10	1.22	1.22	-0.017	-0.039	0.052	0.052	0.047	0.047
-0.95	-0.20	1.20	1.20	-0.012	-0.022	0.061	0.061	0.041	0.034
-0.95	-0.30	1.22	1.22	-0.022	-0.022	0.056	0.056	0.034	0.024
-0.95	-0.40	1.22	1.22	-0.020	-0.024	0.047	0.049	0.030	0.049
-0.95	-0.50	1.21	1.21	-0.022	-0.014	0.069	0.069	0.052	0.034
-0.95	-0.60	1.19	1.19	-0.014	-0.002	0.056	0.056	0.064	0.025
-0.95	-0.70	1.15	1.15	-0.002	-0.005	0.080	0.080	0.076	0.039
-0.95	-0.80	1.09	1.09	-0.019	-0.002	0.091	0.091	0.051	0.047
-0.96	0.80	1.12	1.12	-0.013	-0.008	0.085	0.085	0.048	0.048
-0.96	0.70	1.15	1.15	-0.012	-0.018	0.085	0.085	0.045	0.047
-0.96	0.60	1.18	1.18	-0.028	-0.032	0.088	0.090	0.057	0.055
-0.96	0.50	1.19	1.19	-0.025	-0.013	0.065	0.067	0.043	0.040
-0.96	0.40	1.20	1.19	-0.017	-0.023	0.058	0.058	0.042	0.043
-0.96	0.30	1.19	1.19	-0.027	-0.022	0.065	0.067	0.037	0.052
-0.96	0.20	1.19	1.19	-0.032	-0.030	0.052	0.053	0.038	0.047
-0.96	0.10	1.18	1.18	-0.013	-0.023	0.060	0.060	0.033	0.028
-0.96	0.00	1.19	1.18	-0.027	-0.027	0.055	0.055	0.050	0.035
-0.96	-0.10	1.19	1.19	-0.033	-0.032	0.060	0.062	0.048	0.040
-0.96	-0.20	1.23	1.23	-0.022	-0.018	0.042	0.040	0.042	0.043
-0.96	-0.30	1.20	1.20	-0.025	-0.015	0.047	0.047	0.033	0.037
-0.96	-0.40	1.21	1.21	-0.012	-0.028	0.055	0.055	0.028	0.037
-0.96	-0.50	1.21	1.20	-0.025	-0.022	0.053	0.053	0.037	0.033
-0.96	-0.60	1.18	1.18	-0.020	-0.010	0.073	0.073	0.052	0.038
-0.96	-0.70	1.16	1.16	-0.042	-0.005	0.080	0.080	0.068	0.043
-0.96	-0.80	1.12	1.11	-0.042	-0.008	0.095	0.087	0.112	0.053
0.80	0.80	0.85	0.85	-0.027	-0.018	0.074	0.072	0.059	0.045
0.80	0.70	0.94	0.94	-0.045	-0.013	0.054	0.054	0.054	0.045
0.80	0.60	0.98	0.98	-0.025	-0.025	0.030	0.030	0.033	0.032
0.80	0.50	0.97	0.96	-0.030	-0.023	0.027	0.027	0.028	0.030
0.80	0.40	1.04	1.04	-0.022	-0.008	0.057	0.057	0.037	0.023
0.80	0.30	1.03	1.03	-0.028	-0.013	0.037	0.037	0.020	0.032
0.80	0.20	1.02	1.02	-0.030	-0.027	0.028	0.028	0.025	0.037
0.80	0.10	1.05	1.04	-0.027	-0.013	0.044	0.044	0.025	0.028
0.80	0.00	1.06	1.05	-0.037	-0.013	0.037	0.037	0.035	0.032
0.80	-0.10	1.04	1.04	-0.028	-0.022	0.039	0.039	0.030	0.030
0.80	-0.20	1.06	1.05	-0.039	-0.020	0.037	0.039	0.025	0.039
0.80	-0.30	1.05	1.04	-0.049	-0.030	0.037	0.039	0.028	0.042
0.80	-0.40	1.00	1.00	-0.044	-0.008	0.052	0.052	0.039	0.077
0.80	-0.50	1.02	1.01	-0.065	-0.030	0.062	0.062	0.047	0.047
0.80	-0.60	0.96	0.95	-0.035	-0.003	0.065	0.067	0.033	0.050
0.80	-0.70	0.98	0.98	-0.044	-0.010	0.069	0.069	0.028	0.050
0.80	-0.80	0.86	0.86	-0.045	-0.007	0.100	0.102	0.059	0.072
0.90	0.80	0.71	0.71	-0.025	-0.008	0.124	0.126	0.050	0.078
0.90	0.70	0.85	0.85	-0.027	-0.010	0.081	0.082	0.049	0.062

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.90	0.60	0.84	0.83	-0.030	-0.022	0.080	0.081	0.050	0.061
0.90	0.50	0.84	0.83	-0.028	-0.043	0.101	0.100	0.040	0.056
0.90	0.40	0.54	0.52	-0.041	-0.017	0.398	0.410	0.096	0.050
0.90	0.30	0.27	0.27	-0.039	0.025	0.297	0.339	0.455	0.038
0.90	0.20	0.22	0.19	-0.028	-0.022	0.168	0.191	0.035	0.065
0.90	0.10	0.27	0.19	-0.027	-0.002	0.267	0.319	0.037	0.076
0.90	0.00	0.26	0.20	-0.040	-0.015	0.242	0.280	0.048	0.045
0.90	-0.10	0.18	0.13	-0.030	0.017	0.202	0.217	0.038	0.091
0.90	-0.20	0.31	0.26	-0.030	0.002	0.305	0.347	0.027	0.032
0.90	-0.30	0.23	0.18	-0.035	-0.013	0.163	0.197	0.032	0.071
0.90	-0.40	0.35	0.30	-0.066	-0.010	0.277	0.264	0.174	0.091
0.90	-0.50	0.55	0.55	-0.012	-0.007	0.226	0.143	0.048	0.292
0.90	-0.60	0.49	0.48	-0.045	-0.005	0.196	0.207	0.037	0.018
0.90	-0.70	0.57	0.56	-0.037	0.017	0.138	0.143	0.051	0.038
0.90	-0.80	0.52	0.51	-0.023	-0.003	0.159	0.164	0.056	0.081

Table C-3, Station 6, $\theta = 30°$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.00	0.90	0.90	0.009	-0.007	0.045	0.045	0.047	0.038
0.70	0.00	0.92	0.92	0.014	-0.010	0.047	0.047	0.038	0.028
0.60	0.00	0.94	0.93	0.017	-0.003	0.041	0.041	0.034	0.022
0.50	0.00	0.95	0.95	0.016	0.002	0.043	0.043	0.038	0.019
0.40	0.00	0.98	0.98	0.022	0.003	0.048	0.048	0.033	0.022
0.30	0.00	1.01	1.01	0.028	0.000	0.045	0.045	0.038	0.024
0.20	0.00	1.02	1.02	0.019	0.002	0.041	0.041	0.033	0.019
0.10	0.00	1.02	1.02	0.024	0.002	0.045	0.047	0.034	0.024
0.00	0.00	1.05	1.05	0.029	0.003	0.045	0.045	0.033	0.024
-0.10	0.00	1.08	1.08	0.029	0.000	0.043	0.043	0.033	0.022
-0.20	0.00	1.08	1.08	0.033	-0.002	0.043	0.043	0.034	0.028
-0.30	0.00	1.11	1.10	0.038	-0.009	0.043	0.043	0.034	0.026
-0.40	0.00	1.12	1.12	0.029	-0.007	0.041	0.041	0.034	0.026
-0.50	0.00	1.17	1.17	0.031	-0.014	0.043	0.043	0.038	0.031
-0.55	0.00	1.17	1.17	0.022	-0.014	0.040	0.040	0.034	0.026
-0.60	0.00	1.18	1.18	0.026	-0.014	0.036	0.036	0.031	0.024
-0.65	0.00	1.20	1.20	0.028	-0.016	0.045	0.045	0.031	0.028
-0.70	0.00	1.23	1.22	0.031	-0.019	0.048	0.048	0.038	0.036
-0.75	0.00	1.24	1.23	0.022	-0.021	0.041	0.043	0.036	0.038
-0.80	0.00	1.23	1.22	0.016	-0.019	0.043	0.043	0.033	0.029
-0.80	-0.10	1.24	1.24	0.021	-0.019	0.047	0.047	0.033	0.036
-0.75	-0.10	1.22	1.21	0.017	-0.012	0.045	0.045	0.033	0.026
-0.70	-0.10	1.21	1.21	0.019	-0.012	0.047	0.047	0.034	0.033
-0.65	-0.10	1.20	1.20	0.026	-0.012	0.045	0.045	0.033	0.031
-0.60	-0.10	1.19	1.19	0.028	-0.014	0.047	0.047	0.034	0.034
-0.55	-0.10	1.18	1.18	0.022	-0.010	0.041	0.041	0.036	0.029
-0.50	-0.10	1.16	1.16	0.031	-0.009	0.045	0.045	0.038	0.028
-0.40	-0.10	1.14	1.13	0.033	-0.009	0.043	0.043	0.033	0.029
-0.30	-0.10	1.11	1.11	0.038	-0.005	0.047	0.047	0.034	0.028
-0.20	-0.10	1.09	1.09	0.033	0.003	0.041	0.041	0.036	0.024
-0.10	-0.10	1.06	1.06	0.033	0.002	0.043	0.043	0.031	0.022
0.00	-0.10	1.04	1.04	0.029	0.000	0.047	0.047	0.033	0.026
0.10	-0.10	1.01	1.01	0.015	0.007	0.044	0.044	0.034	0.024
0.20	-0.10	1.01	1.01	0.015	0.002	0.041	0.041	0.034	0.025
0.30	-0.10	0.99	0.99	0.007	0.008	0.042	0.042	0.034	0.019
0.40	-0.10	0.96	0.96	0.014	0.000	0.042	0.042	0.034	0.024
0.50	-0.10	0.95	0.94	0.005	0.002	0.039	0.039	0.032	0.019
0.60	-0.10	0.93	0.93	0.007	-0.005	0.041	0.041	0.036	0.022
0.70	-0.10	0.91	0.90	0.003	-0.012	0.044	0.044	0.042	0.025
0.80	-0.10	0.88	0.88	0.010	-0.019	0.046	0.046	0.047	0.041
0.80	-0.20	0.87	0.86	0.015	-0.022	0.056	0.056	0.044	0.041
0.70	-0.20	0.93	0.92	0.010	-0.017	0.046	0.046	0.039	0.029
0.60	-0.20	0.94	0.93	0.002	-0.012	0.044	0.044	0.039	0.027
0.50	-0.20	0.96	0.96	0.007	-0.002	0.039	0.039	0.034	0.019
0.40	-0.20	0.97	0.97	0.010	0.002	0.041	0.041	0.036	0.022
0.30	-0.20	0.99	0.99	0.017	0.005	0.042	0.042	0.037	0.019
0.20	-0.20	1.02	1.02	0.015	0.005	0.042	0.042	0.036	0.024
0.10	-0.20	1.05	1.04	0.014	0.003	0.041	0.041	0.032	0.027
0.00	-0.20	1.07	1.07	0.014	0.005	0.044	0.044	0.037	0.024
-0.10	-0.20	1.09	1.09	0.020	0.003	0.042	0.042	0.034	0.029
-0.20	-0.20	1.11	1.10	0.020	0.000	0.046	0.046	0.034	0.025
-0.30	-0.20	1.13	1.13	0.019	-0.003	0.041	0.041	0.032	0.024
-0.40	-0.20	1.16	1.16	0.024	-0.007	0.044	0.044	0.036	0.029
-0.50	-0.20	1.18	1.18	0.025	-0.008	0.044	0.046	0.034	0.025
-0.55	-0.20	1.20	1.20	0.020	-0.010	0.042	0.042	0.036	0.032
-0.60	-0.20	1.20	1.20	0.025	-0.015	0.042	0.042	0.036	0.032
-0.65	-0.20	1.21	1.20	0.027	-0.015	0.046	0.046	0.032	0.032
-0.70	-0.20	1.22	1.22	0.022	-0.017	0.041	0.041	0.036	0.032
-0.75	-0.20	1.24	1.23	0.024	-0.017	0.042	0.042	0.036	0.034
-0.80	-0.20	1.25	1.25	0.015	-0.022	0.046	0.046	0.034	0.037

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.30	1.25	1.25	0.032	-0.015	0.049	0.049	0.039	0.034
-0.75	-0.30	1.24	1.24	0.031	-0.012	0.046	0.046	0.037	0.032
-0.70	-0.30	1.23	1.23	0.027	-0.012	0.047	0.047	0.036	0.037
-0.65	-0.30	1.22	1.22	0.024	-0.014	0.042	0.042	0.037	0.032
-0.60	-0.30	1.21	1.20	0.015	-0.010	0.039	0.039	0.036	0.031
-0.55	-0.30	1.20	1.20	0.020	-0.008	0.039	0.039	0.037	0.025
-0.50	-0.30	1.18	1.18	0.022	-0.003	0.042	0.042	0.034	0.027
-0.40	-0.30	1.14	1.14	0.020	0.002	0.037	0.037	0.035	0.022
-0.30	-0.30	1.12	1.12	0.017	0.005	0.033	0.033	0.032	0.025
-0.20	-0.30	1.09	1.09	0.018	0.005	0.038	0.038	0.033	0.025
-0.10	-0.30	1.07	1.07	0.017	0.007	0.038	0.038	0.037	0.027
0.00	-0.30	1.06	1.05	0.017	0.010	0.037	0.037	0.037	0.023
0.10	-0.30	1.03	1.03	0.015	0.007	0.043	0.043	0.033	0.022
0.20	-0.30	1.01	1.01	0.015	0.008	0.035	0.035	0.037	0.020
0.30	-0.30	0.99	0.99	0.012	0.007	0.037	0.037	0.035	0.020
0.40	-0.30	0.97	0.97	0.008	0.003	0.038	0.038	0.035	0.020
0.50	-0.30	0.96	0.96	0.008	-0.003	0.035	0.035	0.032	0.020
0.60	-0.30	0.94	0.94	0.007	-0.010	0.038	0.038	0.033	0.018
0.70	-0.30	0.92	0.92	0.015	-0.018	0.043	0.043	0.038	0.033
0.80	-0.30	0.88	0.88	0.020	-0.028	0.060	0.062	0.042	0.040
0.80	-0.40	0.88	0.88	0.015	-0.028	0.062	0.062	0.040	0.042
0.70	-0.40	0.92	0.92	0.013	-0.027	0.043	0.043	0.042	0.027
0.60	-0.40	0.93	0.93	0.015	-0.015	0.040	0.040	0.033	0.023
0.50	-0.40	0.95	0.95	0.012	-0.012	0.040	0.040	0.033	0.023
0.40	-0.40	0.97	0.96	0.013	-0.005	0.038	0.038	0.035	0.025
0.30	-0.40	0.99	0.98	0.023	-0.002	0.038	0.038	0.033	0.023
0.20	-0.40	1.01	1.01	0.022	-0.002	0.038	0.038	0.032	0.027
0.10	-0.40	1.02	1.02	0.018	0.002	0.037	0.038	0.035	0.025
0.00	-0.40	1.04	1.04	0.015	0.005	0.040	0.040	0.035	0.025
-0.10	-0.40	1.08	1.07	0.020	0.000	0.042	0.042	0.035	0.028
-0.20	-0.40	1.09	1.08	0.017	-0.005	0.040	0.042	0.032	0.033
-0.30	-0.40	1.10	1.10	0.017	-0.008	0.043	0.043	0.032	0.028
-0.40	-0.40	1.13	1.13	0.020	-0.005	0.040	0.040	0.032	0.027
-0.50	-0.40	1.15	1.15	0.020	-0.008	0.040	0.042	0.033	0.030
-0.55	-0.40	1.17	1.17	0.020	-0.010	0.040	0.040	0.032	0.028
-0.60	-0.40	1.19	1.19	0.023	-0.008	0.040	0.040	0.033	0.027
-0.65	-0.40	1.21	1.21	0.024	-0.008	0.042	0.042	0.036	0.027
-0.70	-0.40	1.21	1.21	0.029	-0.012	0.044	0.044	0.034	0.036
-0.75	-0.40	1.24	1.23	0.029	-0.010	0.039	0.039	0.034	0.030
-0.80	-0.40	1.25	1.25	0.027	-0.007	0.041	0.041	0.036	0.032
-0.80	-0.50	1.25	1.24	0.039	-0.008	0.046	0.046	0.034	0.034
-0.75	-0.50	1.24	1.24	0.047	-0.017	0.039	0.039	0.036	0.030
-0.70	-0.50	1.22	1.22	0.037	-0.017	0.047	0.049	0.037	0.027
-0.65	-0.50	1.22	1.22	0.036	-0.017	0.041	0.042	0.037	0.030
-0.60	-0.50	1.20	1.20	0.032	-0.017	0.041	0.041	0.037	0.029
-0.55	-0.50	1.18	1.18	0.022	-0.015	0.044	0.044	0.037	0.029
-0.50	-0.50	1.17	1.17	0.025	-0.012	0.041	0.041	0.032	0.030
-0.40	-0.50	1.15	1.14	0.020	-0.012	0.042	0.042	0.034	0.032
-0.30	-0.50	1.13	1.13	0.019	-0.002	0.042	0.042	0.034	0.034
-0.20	-0.50	1.10	1.10	0.024	-0.002	0.037	0.037	0.030	0.032
-0.10	-0.50	1.07	1.07	0.019	0.005	0.046	0.046	0.036	0.027
0.00	-0.50	1.06	1.06	0.020	0.010	0.044	0.044	0.032	0.024
0.10	-0.50	1.04	1.04	0.014	0.008	0.042	0.042	0.036	0.024
0.20	-0.50	1.01	1.01	0.024	0.003	0.044	0.044	0.032	0.024
0.30	-0.50	1.00	1.00	0.020	0.002	0.044	0.044	0.039	0.025
0.40	-0.50	0.98	0.98	0.020	-0.003	0.046	0.046	0.034	0.029
0.50	-0.50	0.96	0.95	0.017	-0.014	0.046	0.046	0.039	0.029
0.60	-0.50	0.94	0.94	0.022	-0.015	0.042	0.042	0.034	0.025
0.70	-0.50	0.91	0.91	0.008	-0.036	0.051	0.052	0.042	0.034
0.80	-0.50	0.89	0.88	0.019	-0.041	0.057	0.059	0.042	0.044

C-2

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.80	-0.60	0.88	0.88	0.015	-0.046	0.063	0.064	0.052	0.044
0.70	-0.60	0.92	0.92	0.015	-0.032	0.046	0.046	0.039	0.029
0.60	-0.60	0.94	0.94	0.014	-0.029	0.044	0.044	0.036	0.024
0.50	-0.60	0.96	0.96	0.019	-0.020	0.042	0.042	0.034	0.022
0.40	-0.60	0.97	0.97	0.020	-0.015	0.041	0.041	0.036	0.020
0.30	-0.60	0.99	0.99	0.022	-0.010	0.042	0.044	0.034	0.025
0.20	-0.60	1.01	1.01	0.015	0.000	0.044	0.044	0.036	0.024
0.10	-0.60	1.03	1.03	0.019	0.002	0.041	0.041	0.034	0.027
0.00	-0.60	1.04	1.04	0.014	0.005	0.037	0.037	0.034	0.025
-0.10	-0.60	1.08	1.08	0.019	-0.010	0.041	0.041	0.033	0.033
-0.20	-0.60	1.10	1.10	0.024	-0.008	0.040	0.040	0.033	0.033
-0.30	-0.60	1.13	1.13	0.021	-0.022	0.045	0.045	0.035	0.033
-0.40	-0.60	1.15	1.15	0.025	-0.019	0.043	0.043	0.032	0.032
-0.50	-0.60	1.17	1.17	0.033	-0.019	0.041	0.041	0.033	0.035
-0.55	-0.60	1.18	1.18	0.029	-0.029	0.046	0.046	0.035	0.040
-0.60	-0.60	1.20	1.19	0.045	-0.033	0.046	0.048	0.035	0.043
-0.65	-0.60	1.22	1.21	0.048	-0.037	0.045	0.045	0.037	0.040
-0.70	-0.60	1.20	1.20	0.038	-0.027	0.041	0.041	0.035	0.040
-0.75	-0.60	1.23	1.23	0.049	-0.029	0.045	0.045	0.032	0.038
-0.80	-0.60	1.25	1.25	0.054	-0.013	0.059	0.059	0.035	0.040
-0.80	-0.70	1.23	1.22	0.061	-0.022	0.054	0.054	0.041	0.040
-0.75	-0.70	1.24	1.24	0.070	-0.033	0.054	0.054	0.043	0.040
-0.70	-0.70	1.24	1.24	0.043	-0.030	0.051	0.051	0.046	0.035
-0.65	-0.70	1.21	1.20	0.033	-0.029	0.048	0.048	0.041	0.038
-0.60	-0.70	1.20	1.19	0.051	-0.033	0.049	0.049	0.040	0.037
-0.55	-0.70	1.16	1.15	0.022	-0.021	0.045	0.045	0.037	0.037
-0.50	-0.70	1.15	1.15	0.030	-0.030	0.051	0.051	0.038	0.035
-0.40	-0.70	1.14	1.14	0.022	-0.019	0.046	0.046	0.035	0.038
-0.30	-0.70	1.10	1.10	0.021	-0.008	0.051	0.051	0.037	0.043
-0.20	-0.70	1.09	1.09	0.013	0.002	0.041	0.041	0.030	0.038
-0.10	-0.70	1.08	1.08	0.022	-0.003	0.045	0.045	0.032	0.040
0.00	-0.70	1.06	1.05	0.025	-0.008	0.045	0.045	0.037	0.038
0.10	-0.70	1.03	1.03	0.037	0.000	0.046	0.046	0.032	0.032
0.20	-0.70	1.01	1.01	0.045	-0.002	0.046	0.046	0.037	0.032
0.30	-0.70	0.99	0.99	0.056	-0.003	0.045	0.045	0.030	0.032
0.40	-0.70	0.98	0.98	0.046	-0.016	0.043	0.043	0.035	0.030
0.50	-0.70	0.95	0.95	0.041	-0.024	0.043	0.043	0.038	0.029
0.60	-0.70	0.94	0.94	0.033	-0.032	0.045	0.045	0.037	0.030
0.70	-0.70	0.93	0.92	0.025	-0.046	0.051	0.051	0.051	0.040
0.80	-0.70	0.88	0.88	0.025	-0.051	0.067	0.069	0.062	0.056
0.80	-0.80	0.85	0.84	0.000	-0.059	0.103	0.105	0.067	0.064
0.70	-0.80	0.93	0.92	0.017	-0.049	0.054	0.054	0.059	0.047
0.60	-0.80	0.94	0.94	-0.007	-0.046	0.049	0.049	0.073	0.040
0.50	-0.80	0.96	0.96	0.012	-0.034	0.047	0.047	0.069	0.040
0.40	-0.80	0.97	0.97	0.034	-0.010	0.056	0.056	0.066	0.040
0.30	-0.80	0.99	0.99	0.052	0.002	0.049	0.051	0.059	0.039
0.20	-0.80	1.02	1.01	0.046	0.010	0.051	0.051	0.052	0.035
0.10	-0.80	1.04	1.04	0.019	0.003	0.035	0.037	0.059	0.035
0.00	-0.80	1.05	1.05	0.024	-0.002	0.042	0.042	0.052	0.034
-0.10	-0.80	1.07	1.07	0.035	-0.007	0.042	0.042	0.054	0.035
-0.20	-0.80	1.11	1.11	0.022	-0.010	0.044	0.044	0.052	0.034
-0.30	-0.80	1.12	1.12	0.025	-0.013	0.037	0.037	0.052	0.032
-0.40	-0.80	1.15	1.15	0.046	-0.024	0.044	0.044	0.052	0.035
-0.50	-0.80	1.18	1.18	0.030	-0.029	0.044	0.044	0.059	0.035
-0.55	-0.80	1.17	1.17	0.051	-0.035	0.051	0.051	0.069	0.040
-0.60	-0.80	1.18	1.18	0.024	-0.040	0.039	0.039	0.056	0.039
-0.65	-0.80	1.20	1.20	0.039	-0.037	0.049	0.051	0.062	0.039
-0.70	-0.80	1.20	1.20	0.057	-0.042	0.052	0.052	0.056	0.040
-0.75	-0.80	1.22	1.21	0.049	-0.039	0.056	0.056	0.064	0.046
-0.80	-0.80	1.20	1.20	0.039	-0.037	0.066	0.066	0.054	0.046

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.90	1.11	1.10	-0.095	-0.037	0.105	0.107	0.107	0.065
-0.75	-0.90	1.15	1.15	-0.080	-0.048	0.094	0.094	0.083	0.051
-0.70	-0.90	1.15	1.14	-0.060	-0.046	0.095	0.095	0.075	0.048
-0.65	-0.90	1.16	1.16	-0.041	-0.048	0.071	0.073	0.068	0.049
-0.60	-0.90	1.15	1.15	-0.037	-0.048	0.075	0.077	0.061	0.049
-0.55	-0.90	1.15	1.15	-0.032	-0.032	0.056	0.058	0.058	0.036
-0.50	-0.90	1.16	1.15	-0.026	-0.029	0.046	0.048	0.053	0.036
-0.40	-0.90	1.13	1.12	-0.017	-0.015	0.041	0.043	0.051	0.034
-0.30	-0.90	1.11	1.11	-0.014	-0.009	0.046	0.046	0.051	0.034
-0.20	-0.90	1.08	1.08	-0.010	-0.002	0.044	0.044	0.053	0.029
-0.10	-0.90	1.04	1.04	-0.026	0.007	0.058	0.060	0.068	0.034
0.00	-0.90	0.98	0.98	-0.041	0.015	0.087	0.088	0.082	0.043
0.10	-0.90	0.92	0.91	-0.070	0.007	0.105	0.109	0.094	0.048
0.20	-0.90	0.89	0.88	-0.070	0.014	0.112	0.114	0.095	0.053
0.30	-0.90	0.86	0.85	-0.075	0.005	0.102	0.104	0.104	0.068
0.40	-0.90	0.84	0.83	-0.087	-0.002	0.111	0.112	0.112	0.065
0.50	-0.90	0.82	0.80	-0.048	-0.022	0.095	0.097	0.104	0.061
0.60	-0.90	0.83	0.81	0.005	-0.034	0.104	0.095	0.165	0.056
0.70	-0.90	0.80	0.79	0.000	-0.029	0.100	0.100	0.088	0.061
0.80	-0.90	0.76	0.75	0.007	-0.054	0.104	0.105	0.099	0.049
-0.80	-0.95	1.06	1.04	-0.197	-0.029	0.101	0.103	0.113	0.069
-0.75	-0.95	1.13	1.11	-0.186	-0.044	0.079	0.084	0.084	0.062
-0.70	-0.95	1.10	1.08	-0.174	-0.034	0.103	0.110	0.089	0.067
-0.65	-0.95	1.09	1.07	-0.153	-0.024	0.101	0.101	0.098	0.074
-0.60	-0.95	1.10	1.09	-0.132	-0.044	0.078	0.081	0.083	0.056
-0.55	-0.95	1.11	1.10	-0.100	-0.040	0.073	0.078	0.074	0.069
0.50	-0.95	1.09	1.08	-0.086	-0.025	0.083	0.083	0.074	0.059
-0.40	-0.95	1.07	1.07	-0.064	-0.014	0.049	0.049	0.059	0.044
-0.30	-0.95	1.04	1.03	-0.079	-0.019	0.071	0.073	0.067	0.040
-0.20	-0.95	0.98	0.97	-0.100	-0.015	0.101	0.103	0.079	0.049
-0.10	-0.95	0.90	0.88	-0.145	-0.013	0.115	0.118	0.105	0.054
0.00	-0.95	0.83	0.80	-0.157	-0.002	0.123	0.128	0.105	0.059
0.10	-0.95	0.80	0.77	-0.182	-0.005	0.115	0.120	0.113	0.059
0.20	-0.95	0.76	0.73	-0.172	0.002	0.113	0.110	0.108	0.062
0.30	-0.95	0.72	0.69	-0.177	-0.007	0.106	0.110	0.101	0.064
0.40	-0.95	0.74	0.71	-0.202	-0.013	0.103	0.105	0.096	0.066
0.50	-0.95	0.75	0.71	-0.174	-0.020	0.111	0.116	0.162	0.066
0.60	-0.95	0.74	0.73	-0.052	-0.024	0.096	0.098	0.088	0.049
0.70	-0.95	0.72	0.72	-0.051	-0.027	0.094	0.096	0.073	0.054
0.80	-0.95	0.68	0.67	-0.032	-0.035	0.101	0.096	0.089	0.069
0.70	0.00	0.91	0.91	-0.005	-0.012	0.042	0.043	0.054	0.038
0.60	0.00	0.94	0.94	-0.003	-0.010	0.043	0.043	0.048	0.033
0.50	0.00	0.96	0.96	0.012	-0.010	0.032	0.032	0.048	0.027
0.40	0.00	0.97	0.97	0.017	-0.005	0.033	0.033	0.043	0.028
0.30	0.00	1.00	1.00	0.020	-0.007	0.033	0.033	0.040	0.027
0.20	0.00	1.01	1.01	0.015	-0.003	0.037	0.037	0.037	0.030
0.10	0.00	1.03	1.03	0.017	0.000	0.033	0.033	0.043	0.030
0.00	0.00	1.06	1.05	0.022	-0.005	0.037	0.037	0.037	0.032
-0.10	0.00	1.07	1.07	0.020	-0.012	0.037	0.037	0.043	0.033
-0.20	0.00	1.09	1.09	0.013	-0.008	0.035	0.035	0.043	0.027
-0.30	0.00	1.11	1.11	0.015	-0.010	0.037	0.037	0.040	0.032
-0.40	0.00	1.12	1.12	0.022	-0.015	0.038	0.040	0.038	0.028
-0.50	0.00	1.15	1.15	0.018	-0.022	0.035	0.035	0.040	0.028
-0.55	0.00	1.19	1.18	0.022	-0.028	0.040	0.040	0.043	0.037
-0.60	0.00	1.19	1.19	0.018	-0.028	0.035	0.035	0.040	0.032
-0.65	0.00	1.21	1.21	0.020	-0.032	0.040	0.040	0.047	0.037
-0.70	0.00	1.21	1.21	0.013	-0.033	0.038	0.038	0.043	0.033
-0.75	0.00	1.22	1.22	0.018	-0.032	0.042	0.042	0.047	0.035
-0.80	0.00	1.24	1.24	0.012	-0.035	0.042	0.042	0.043	0.037
-0.80	0.10	1.25	1.24	0.018	-0.040	0.037	0.038	0.042	0.040

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.75	0.10	1.23	1.23	0.022	-0.035	0.040	0.040	0.040	0.040
-0.70	0.10	1.23	1.23	0.017	-0.033	0.037	0.037	0.040	0.037
-0.65	0.10	1.21	1.21	0.022	-0.033	0.040	0.040	0.040	0.033
-0.60	0.10	1.20	1.19	0.015	-0.027	0.037	0.037	0.040	0.028
-0.55	0.10	1.18	1.18	0.023	-0.032	0.037	0.037	0.043	0.035
-0.50	0.10	1.16	1.16	0.022	-0.025	0.038	0.038	0.045	0.035
-0.40	0.10	1.15	1.15	0.012	-0.020	0.037	0.037	0.047	0.030
-0.30	0.10	1.12	1.11	0.007	-0.017	0.035	0.035	0.038	0.033
0.20	0.10	1.09	1.09	-0.003	-0.015	0.033	0.033	0.035	0.035
-0.10	0.10	1.07	1.06	-0.005	-0.015	0.030	0.030	0.042	0.033
0.00	0.10	1.04	1.03	-0.012	-0.007	0.030	0.030	0.040	0.032
0.10	0.10	1.04	1.04	0.024	-0.018	0.047	0.047	0.037	0.034
0.20	0.10	1.01	1.01	0.011	-0.021	0.044	0.044	0.040	0.031
0.30	0.10	1.00	0.99	0.024	-0.016	0.045	0.045	0.039	0.029
0.40	0.10	0.98	0.98	0.008	-0.015	0.040	0.040	0.036	0.031
0.50	0.10	0.97	0.96	0.016	-0.015	0.047	0.047	0.039	0.031
0.60	0.10	0.94	0.94	0.019	-0.013	0.040	0.040	0.039	0.031
0.70	0.10	0.93	0.92	0.021	-0.016	0.045	0.047	0.037	0.036
0.80	0.10	0.90	0.90	0.016	-0.015	0.052	0.052	0.047	0.040
0.80	0.20	0.90	0.89	0.024	-0.008	0.065	0.065	0.049	0.045
0.70	0.20	0.92	0.92	0.023	-0.013	0.049	0.050	0.036	0.036
0.60	0.20	0.94	0.94	0.023	-0.005	0.050	0.050	0.032	0.029
0.50	0.20	0.95	0.95	0.028	-0.008	0.049	0.049	0.037	0.026
0.40	0.20	0.98	0.98	0.031	-0.011	0.045	0.045	0.037	0.031
0.30	0.20	1.00	1.00	0.032	-0.011	0.045	0.045	0.037	0.032
0.20	0.20	1.01	1.00	0.029	-0.010	0.045	0.045	0.037	0.031
0.10	0.20	1.05	1.05	0.032	-0.016	0.047	0.047	0.034	0.037
0.00	0.20	1.06	1.06	0.028	-0.016	0.052	0.052	0.036	0.036
-0.10	0.20	1.08	1.08	0.026	-0.016	0.045	0.045	0.039	0.037
-0.20	0.20	1.09	1.09	0.031	-0.016	0.052	0.053	0.032	0.029
-0.30	0.20	1.11	1.11	0.028	-0.018	0.052	0.052	0.037	0.034
-0.40	0.20	1.14	1.14	0.037	-0.024	0.050	0.050	0.037	0.037
-0.50	0.20	1.17	1.17	0.031	-0.031	0.053	0.053	0.039	0.036
-0.55	0.20	1.19	1.18	0.034	-0.036	0.047	0.049	0.039	0.037
-0.60	0.20	1.20	1.19	0.028	-0.034	0.047	0.047	0.037	0.032
-0.65	0.20	1.21	1.20	0.028	-0.037	0.050	0.050	0.034	0.034
-0.70	0.20	1.22	1.21	0.023	-0.045	0.047	0.047	0.039	0.037
-0.75	0.20	1.23	1.23	0.021	-0.042	0.037	0.039	0.036	0.037
0.80	0.20	1.25	1.24	0.015	-0.053	0.039	0.040	0.036	0.036
-0.80	0.30	1.23	1.23	0.016	-0.052	0.052	0.052	0.032	0.034
-0.75	0.30	1.23	1.23	0.016	-0.050	0.042	0.042	0.034	0.036
-0.70	0.30	1.22	1.22	0.020	-0.039	0.039	0.040	0.032	0.031
-0.65	0.30	1.20	1.20	0.026	-0.032	0.039	0.039	0.034	0.029
-0.60	0.30	1.18	1.18	0.026	-0.032	0.057	0.057	0.032	0.031
-0.55	0.30	1.16	1.16	0.029	-0.024	0.044	0.044	0.034	0.023
-0.50	0.30	1.16	1.16	0.026	-0.026	0.040	0.040	0.031	0.029
-0.40	0.30	1.14	1.14	0.024	-0.022	0.038	0.038	0.032	0.030
-0.30	0.30	1.10	1.09	0.025	-0.017	0.063	0.063	0.032	0.032
-0.20	0.30	1.10	1.09	0.019	-0.019	0.043	0.043	0.030	0.043
-0.10	0.30	1.07	1.07	0.022	-0.013	0.036	0.036	0.030	0.024
0.00	0.30	1.05	1.05	0.021	-0.006	0.036	0.036	0.033	0.025
0.10	0.30	1.04	1.04	0.017	-0.003	0.038	0.038	0.035	0.027
0.20	0.30	1.01	1.01	0.013	0.000	0.043	0.043	0.033	0.021
0.30	0.30	0.99	0.99	0.016	0.003	0.036	0.036	0.035	0.021
0.40	0.30	0.98	0.98	0.014	0.006	0.038	0.038	0.030	0.017
0.50	0.30	0.95	0.95	0.013	0.005	0.040	0.040	0.035	0.021
0.60	0.30	0.95	0.95	0.006	-0.003	0.038	0.038	0.033	0.024
0.70	0.30	0.91	0.91	0.010	-0.006	0.041	0.041	0.036	0.029
0.80	0.30	0.88	0.88	0.000	-0.014	0.065	0.065	0.052	0.038
0.80	0.40	0.88	0.88	0.000	-0.003	0.059	0.059	0.052	0.038

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.70	0.40	0.92	0.92	0.010	-0.002	0.043	0.043	0.035	0.025
0.60	0.40	0.95	0.95	0.014	0.002	0.041	0.041	0.033	0.024
0.50	0.40	0.96	0.96	0.013	0.005	0.044	0.044	0.029	0.021
0.40	0.40	0.97	0.97	0.019	-0.002	0.040	0.040	0.032	0.025
0.30	0.40	0.98	0.98	0.016	-0.002	0.044	0.044	0.032	0.027
0.20	0.40	1.00	1.00	0.013	-0.003	0.038	0.038	0.030	0.025
0.10	0.40	1.04	1.04	0.017	-0.006	0.033	0.033	0.030	0.027
0.00	0.40	1.06	1.05	0.021	-0.006	0.049	0.049	0.029	0.027
-0.10	0.40	1.07	1.07	0.024	-0.019	0.040	0.040	0.030	0.030
-0.20	0.40	1.10	1.10	0.024	-0.016	0.067	0.067	0.029	0.029
-0.30	0.40	1.12	1.12	0.022	-0.027	0.051	0.051	0.030	0.035
-0.40	0.40	1.14	1.14	0.027	-0.030	0.046	0.046	0.030	0.033
-0.50	0.40	1.17	1.16	0.025	-0.035	0.035	0.035	0.030	0.032
-0.55	0.40	1.14	1.13	0.025	-0.036	0.054	0.054	0.030	0.033
-0.60	0.40	1.18	1.18	0.025	-0.049	0.038	0.040	0.030	0.033
-0.65	0.40	1.20	1.20	0.021	-0.044	0.038	0.038	0.029	0.032
-0.70	0.40	1.22	1.21	0.029	-0.054	0.046	0.046	0.033	0.035
-0.75	0.40	1.22	1.22	0.019	-0.059	0.046	0.048	0.032	0.035
-0.80	0.40	1.25	1.25	0.017	-0.067	0.035	0.035	0.033	0.037
-0.80	0.50	1.25	1.25	0.025	-0.071	0.041	0.043	0.030	0.040
-0.75	0.50	1.24	1.23	0.025	-0.062	0.035	0.037	0.030	0.037
-0.70	0.50	1.20	1.20	0.029	-0.052	0.054	0.054	0.032	0.035
-0.65	0.50	1.21	1.21	0.027	-0.056	0.048	0.048	0.035	0.037
-0.60	0.50	1.19	1.18	0.024	-0.049	0.035	0.037	0.032	0.037
-0.55	0.50	1.18	1.18	0.019	-0.044	0.035	0.035	0.032	0.033
-0.50	0.50	1.17	1.16	0.024	-0.037	0.048	0.048	0.029	0.035
-0.40	0.50	1.13	1.13	0.025	-0.037	0.038	0.040	0.029	0.032
-0.30	0.50	1.11	1.11	0.029	-0.029	0.038	0.038	0.033	0.033
-0.20	0.50	1.09	1.08	0.025	-0.030	0.035	0.035	0.030	0.033
-0.10	0.50	1.06	1.06	0.022	-0.014	0.043	0.043	0.030	0.030
0.00	0.50	1.07	1.06	0.022	-0.013	0.038	0.038	0.032	0.029
0.10	0.50	1.02	1.02	0.017	-0.014	0.038	0.038	0.029	0.029
0.20	0.50	1.02	1.02	0.017	-0.013	0.038	0.038	0.030	0.030
0.30	0.50	1.00	1.00	0.021	-0.008	0.037	0.037	0.030	0.029
0.40	0.50	0.99	0.99	0.021	-0.006	0.037	0.037	0.030	0.025
0.50	0.50	0.96	0.96	0.019	-0.002	0.033	0.033	0.032	0.021
0.60	0.50	0.92	0.92	0.017	0.003	0.046	0.046	0.032	0.025
0.70	0.50	0.89	0.89	0.013	-0.003	0.059	0.059	0.030	0.027
0.80	0.50	0.85	0.85	0.007	-0.002	0.044	0.046	0.044	0.025
0.80	0.60	0.86	0.85	0.010	-0.003	0.040	0.040	0.043	0.029
0.70	0.60	0.87	0.87	0.017	-0.003	0.038	0.038	0.040	0.021
0.60	0.60	0.89	0.89	0.025	-0.008	0.037	0.037	0.032	0.021
0.50	0.60	0.91	0.91	0.024	-0.010	0.037	0.037	0.032	0.024
0.40	0.60	0.94	0.93	0.027	-0.010	0.037	0.037	0.030	0.022
0.30	0.60	0.97	0.97	0.025	-0.013	0.040	0.040	0.033	0.027
0.20	0.60	1.01	1.01	0.022	-0.006	0.038	0.040	0.030	0.025
0.10	0.60	1.04	1.04	0.019	-0.013	0.033	0.033	0.032	0.027
0.00	0.60	1.06	1.06	0.022	-0.017	0.033	0.033	0.032	0.029
-0.10	0.60	1.08	1.08	0.024	-0.019	0.038	0.038	0.030	0.033
-0.20	0.60	1.09	1.09	0.030	-0.033	0.043	0.043	0.030	0.035
-0.30	0.60	1.12	1.12	0.027	-0.032	0.037	0.037	0.033	0.032
-0.40	0.60	1.14	1.14	0.022	-0.037	0.040	0.041	0.029	0.032
-0.50	0.60	1.14	1.13	0.027	-0.037	0.057	0.057	0.033	0.033
-0.55	0.60	1.19	1.19	0.024	-0.043	0.038	0.038	0.035	0.035
0.60	0.60	1.17	1.17	0.021	-0.045	0.065	0.065	0.033	0.033
-0.65	0.60	1.20	1.20	0.024	-0.052	0.038	0.038	0.032	0.032
-0.70	0.60	1.27	1.22	0.027	-0.059	0.033	0.033	0.035	0.035
-0.75	0.60	1.24	1.24	0.035	-0.067	0.030	0.032	0.035	0.033
-0.80	0.60	1.23	1.22	0.043	-0.065	0.030	0.030	0.030	0.032
-0.80	0.70	1.24	1.24	0.043	-0.064	0.038	0.038	0.032	0.037

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.75	0.70	1.24	1.24	0.040	-0.065	0.040	0.040	0.032	0.038
-0.70	0.70	1.21	1.21	0.040	-0.052	0.049	0.049	0.037	0.038
-0.65	0.70	1.20	1.19	0.030	-0.049	0.057	0.057	0.033	0.035
-0.60	0.70	1.17	1.17	0.030	-0.049	0.041	0.041	0.029	0.033
-0.55	0.70	1.14	1.14	0.024	-0.041	0.054	0.054	0.029	0.033
-0.50	0.70	1.14	1.14	0.024	-0.041	0.054	0.054	0.030	0.033
-0.40	0.70	1.13	1.13	0.027	-0.040	0.041	0.043	0.029	0.035
-0.30	0.70	1.11	1.11	0.024	-0.037	0.032	0.033	0.033	0.033
-0.20	0.70	1.09	1.09	0.024	-0.022	0.037	0.038	0.033	0.032
-0.10	0.70	1.06	1.06	0.022	-0.017	0.037	0.037	0.032	0.027
0.00	0.70	1.01	1.01	0.017	-0.006	0.038	0.038	0.030	0.024
0.10	0.70	0.98	0.98	0.019	-0.019	0.033	0.033	0.032	0.024
0.20	0.70	0.96	0.96	0.025	-0.016	0.033	0.033	0.030	0.022
0.30	0.70	0.93	0.93	0.030	-0.016	0.040	0.040	0.033	0.021
0.40	0.70	0.93	0.93	0.032	-0.016	0.035	0.035	0.033	0.024
0.50	0.70	0.90	0.90	0.032	-0.014	0.041	0.041	0.035	0.024
0.60	0.70	0.88	0.88	0.029	-0.003	0.035	0.035	0.038	0.024
0.70	0.70	0.88	0.88	0.017	0.005	0.025	0.025	0.039	0.024
0.80	0.70	0.85	0.85	0.017	0.012	0.032	0.032	0.042	0.032
0.80	0.80	0.82	0.82	0.000	0.014	0.062	0.064	0.064	0.041
0.70	0.80	0.87	0.87	0.012	0.015	0.030	0.030	0.046	0.034
0.60	0.80	0.88	0.88	0.025	0.012	0.030	0.030	0.044	0.030
0.50	0.80	0.87	0.87	0.032	0.005	0.035	0.035	0.035	0.037
0.40	0.80	0.92	0.92	0.030	-0.003	0.029	0.029	0.037	0.034
0.30	0.80	0.94	0.94	0.027	-0.008	0.029	0.030	0.035	0.030
0.20	0.80	0.95	0.95	0.029	-0.010	0.034	0.034	0.032	0.025
0.10	0.80	0.96	0.95	0.017	-0.010	0.039	0.039	0.034	0.029
0.00	0.80	0.96	0.96	0.022	-0.014	0.034	0.034	0.030	0.027
-0.10	0.80	0.98	0.98	0.007	-0.019	0.035	0.037	0.034	0.032
-0.20	0.80	1.01	1.01	0.003	-0.025	0.034	0.034	0.037	0.027
-0.30	0.80	1.05	1.05	0.005	-0.029	0.032	0.032	0.034	0.024
-0.40	0.80	1.13	1.13	0.019	-0.030	0.034	0.034	0.032	0.027
-0.50	0.80	1.16	1.16	0.019	-0.030	0.047	0.047	0.032	0.027
-0.55	0.80	1.15	1.15	0.019	-0.030	0.032	0.032	0.034	0.030
-0.60	0.80	1.17	1.17	0.017	-0.029	0.032	0.032	0.030	0.029
-0.65	0.80	1.19	1.19	0.024	-0.034	0.032	0.032	0.035	0.034
-0.70	0.80	1.20	1.20	0.022	-0.035	0.039	0.039	0.037	0.034
-0.75	0.80	1.20	1.20	0.020	-0.041	0.046	0.046	0.037	0.037
-0.80	0.80	1.20	1.20	0.022	-0.046	0.052	0.054	0.042	0.037
-0.80	0.80	1.22	1.21	0.031	-0.055	0.065	0.067	0.045	0.045
-0.80	0.70	1.24	1.24	0.038	-0.070	0.043	0.043	0.038	0.036
-0.80	0.60	1.25	1.25	0.029	-0.072	0.041	0.041	0.034	0.033
-0.80	0.50	1.25	1.25	0.021	-0.065	0.034	0.034	0.033	0.039
-0.80	0.40	1.26	1.26	0.015	-0.065	0.029	0.031	0.031	0.036
-0.80	0.30	1.25	1.25	0.012	-0.055	0.029	0.029	0.033	0.034
-0.80	0.20	1.25	1.25	0.005	-0.058	0.029	0.031	0.031	0.039
-0.80	0.10	1.26	1.25	0.009	-0.055	0.031	0.031	0.031	0.036
-0.80	0.00	1.26	1.26	0.010	-0.058	0.036	0.036	0.034	0.038
-0.80	-0.10	1.25	1.25	0.010	-0.060	0.031	0.031	0.033	0.037
-0.80	-0.20	1.25	1.25	0.010	-0.060	0.031	0.031	0.033	0.038
-0.80	-0.30	1.26	1.26	0.022	-0.055	0.029	0.029	0.034	0.038
-0.80	-0.40	1.25	1.25	0.033	-0.039	0.033	0.033	0.034	0.034
-0.80	-0.50	1.25	1.25	0.045	-0.046	0.029	0.029	0.036	0.041
-0.80	-0.60	1.25	1.25	0.062	-0.046	0.034	0.034	0.039	0.034
-0.80	-0.70	1.24	1.23	0.063	-0.043	0.046	0.046	0.043	0.039
-0.80	-0.80	1.19	1.18	0.034	-0.057	0.062	0.062	0.057	0.051
-0.90	0.80	1.11	1.11	0.017	-0.099	0.072	0.074	0.049	0.056
-0.90	0.70	1.17	1.17	0.019	-0.103	0.072	0.072	0.047	0.052
-0.90	0.60	1.25	1.24	0.030	-0.088	0.062	0.062	0.044	0.047
-0.90	0.50	1.26	1.25	0.017	-0.066	0.051	0.052	0.037	0.044

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.90	0.40	1.27	1.27	0.008	-0.055	0.044	0.044	0.035	0.047
-0.90	0.30	1.27	1.26	0.010	-0.059	0.052	0.054	0.034	0.047
0.90	0.20	1.26	1.25	0.002	-0.051	0.047	0.049	0.037	0.041
-0.90	0.10	1.26	1.25	0.007	-0.062	0.040	0.042	0.035	0.047
-0.90	0.00	1.26	1.26	0.007	-0.052	0.044	0.045	0.034	0.049
-0.90	-0.10	1.25	1.25	0.008	-0.045	0.075	0.035	0.074	0.044
-0.90	-0.20	1.24	1.24	0.007	-0.027	0.040	0.040	0.029	0.041
-0.90	-0.30	1.25	1.25	0.010	-0.029	0.042	0.042	0.034	0.047
-0.90	-0.40	1.24	1.23	0.015	-0.022	0.054	0.054	0.039	0.051
-0.90	-0.50	1.24	1.24	0.027	-0.012	0.051	0.051	0.039	0.054
-0.90	-0.60	1.19	1.19	0.037	0.008	0.072	0.072	0.040	0.051
0.90	-0.70	1.13	1.12	0.039	0.010	0.076	0.076	0.045	0.056
0.90	-0.80	1.05	1.05	0.037	0.003	0.099	0.099	0.064	0.059
-0.93	0.80	1.09	1.08	0.015	-0.116	0.075	0.077	0.045	0.052
-0.93	0.70	1.13	1.12	0.018	-0.121	0.065	0.067	0.052	0.059
-0.93	0.60	1.18	1.17	0.022	-0.119	0.067	0.070	0.044	0.054
-0.93	0.50	1.24	1.24	0.018	-0.072	0.049	0.050	0.037	0.040
-0.93	0.40	1.25	1.25	0.010	-0.084	0.044	0.045	0.037	0.040
-0.93	0.30	1.25	1.25	0.002	-0.072	0.045	0.045	0.035	0.045
-0.93	0.20	1.24	1.23	0.007	-0.059	0.034	0.034	0.030	0.037
-0.93	0.10	1.26	1.26	0.008	-0.049	0.035	0.035	0.029	0.035
-0.93	0.00	1.26	1.26	0.003	-0.042	0.049	0.049	0.034	0.037
0.93	-0.10	1.23	1.23	0.000	-0.035	0.034	0.034	0.027	0.035
-0.93	-0.20	1.26	1.25	0.005	-0.027	0.035	0.035	0.035	0.039
-0.93	0.30	1.23	1.23	0.005	-0.025	0.045	0.045	0.034	0.044
-0.93	-0.40	1.23	1.23	0.013	-0.015	0.055	0.055	0.037	0.047
-0.93	-0.50	1.21	1.21	0.017	0.003	0.065	0.065	0.034	0.047
-0.93	-0.60	1.17	1.16	0.027	0.022	0.081	0.082	0.042	0.054
-0.93	0.70	1.08	1.07	0.039	0.034	0.097	0.097	0.057	0.057
-0.93	-0.80	0.98	0.97	0.035	0.045	0.117	0.119	0.070	0.069
0.95	0.80	1.01	1.00	0.003	-0.127	0.093	0.095	0.058	0.059
-0.95	0.70	1.00	0.99	0.010	-0.073	0.238	0.253	0.054	0.059
-0.95	0.60	1.10	1.09	-0.002	-0.095	0.076	0.078	0.049	0.056
0.95	0.50	1.17	1.17	0.002	0.051	0.083	0.083	0.042	0.048
0.95	0.40	1.18	1.18	0.000	-0.065	0.080	0.080	0.048	0.046
-0.95	0.30	1.19	1.19	-0.005	-0.061	0.083	0.085	0.039	0.047
-0.95	0.20	1.21	1.21	-0.007	-0.056	0.092	0.092	0.039	0.044
-0.95	0.10	1.23	1.22	-0.005	-0.036	0.082	0.083	0.034	0.042
-0.95	0.00	1.21	1.21	0.000	-0.020	0.075	0.075	0.036	0.037
-0.95	-0.10	1.23	1.23	-0.002	-0.032	0.070	0.070	0.032	0.034
-0.95	-0.20	1.23	1.23	0.003	-0.034	0.087	0.087	0.036	0.044
-0.95	-0.30	1.22	1.22	0.003	-0.020	0.070	0.070	0.037	0.034
0.95	-0.40	1.18	1.18	0.000	-0.005	0.083	0.083	0.044	0.041
-0.95	-0.50	1.14	1.13	-0.002	0.022	0.087	0.087	0.051	0.051
-0.95	-0.60	1.05	1.05	0.007	0.046	0.102	0.102	0.053	0.059
-0.95	-0.70	0.97	0.96	0.024	0.068	0.107	0.107	0.065	0.066
-0.95	-0.80	0.68	0.66	0.017	0.024	0.425	0.450	0.061	0.053
-0.96	0.80	0.94	0.92	-0.014	-0.164	0.095	0.095	0.054	0.062
-0.96	0.70	1.00	0.99	0.009	-0.100	0.109	0.111	0.066	0.078
-0.96	0.60	1.05	1.04	-0.007	-0.117	0.105	0.109	0.055	0.062
-0.96	0.50	1.11	1.11	-0.010	-0.098	0.104	0.105	0.052	0.057
-0.96	0.40	1.16	1.16	-0.007	-0.078	0.095	0.095	0.047	0.050
-0.96	0.30	1.17	1.16	-0.010	-0.071	0.098	0.100	0.048	0.048
-0.96	0.20	1.18	1.18	-0.009	-0.055	0.092	0.093	0.043	0.041
-0.96	0.10	1.21	1.20	-0.007	-0.057	0.100	0.102	0.035	0.047
-0.96	0.00	1.23	1.23	-0.002	-0.028	0.071	0.071	0.028	0.029
-0.96	-0.10	1.21	1.22	0.000	-0.028	0.069	0.071	0.031	0.033
-0.96	-0.20	1.21	1.21	-0.002	-0.022	0.078	0.079	0.035	0.031
-0.96	-0.30	1.21	1.21	-0.003	-0.003	0.078	0.078	0.036	0.037
-0.96	-0.40	1.14	1.14	-0.005	0.012	0.102	0.104	0.045	0.043
-0.96	-0.50	1.11	1.10	0.002	0.038	0.097	0.097	0.059	0.050
-0.96	-0.60	1.01	1.01	0.007	0.059	0.124	0.124	0.062	0.059
-0.96	-0.70	0.90	0.89	0.014	0.090	0.130	0.135	0.071	0.079
-0.96	-0.80	0.71	0.70	0.010	0.026	0.112	0.114	0.069	0.064

Table C-4, Station 8, $\theta = 60^o$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
0.80	0.00	0.83	0.83	0.003	-0.002	0.068	0.070	0.061	0.055
0.70	0.00	0.88	0.87	0.002	-0.005	0.060	0.061	0.055	0.042
0.60	0.00	0.91	0.90	0.010	-0.007	0.048	0.050	0.050	0.042
0.50	0.00	0.93	0.93	0.010	-0.010	0.048	0.048	0.042	0.030
0.40	0.00	0.95	0.94	0.020	-0.017	0.045	0.045	0.038	0.038
0.30	0.00	0.97	0.97	0.028	-0.012	0.043	0.043	0.038	0.038
0.20	0.00	0.99	0.99	0.028	-0.018	0.045	0.045	0.043	0.035
0.10	0.00	1.01	1.01	0.038	-0.008	0.040	0.042	0.038	0.040
0.00	0.00	1.03	1.03	0.040	-0.010	0.042	0.043	0.040	0.040
-0.10	0.00	1.06	1.06	0.040	-0.012	0.042	0.042	0.040	0.037
-0.20	0.00	1.07	1.06	0.050	-0.013	0.045	0.045	0.040	0.030
-0.30	0.00	1.11	1.11	0.051	-0.015	0.042	0.043	0.037	0.037
-0.40	0.00	1.12	1.11	0.061	-0.015	0.043	0.043	0.040	0.035
-0.50	0.00	1.15	1.14	0.070	-0.017	0.043	0.043	0.037	0.037
-0.55	0.00	1.16	1.16	0.071	-0.020	0.050	0.050	0.042	0.040
-0.60	0.00	1.16	1.16	0.075	-0.012	0.045	0.047	0.043	0.040
-0.65	0.00	1.18	1.17	0.070	-0.008	0.043	0.043	0.035	0.037
-0.70	0.00	1.20	1.19	0.068	-0.010	0.048	0.048	0.037	0.042
-0.75	0.00	1.21	1.21	0.076	-0.003	0.047	0.047	0.037	0.038
-0.80	0.00	1.22	1.21	0.065	-0.002	0.050	0.051	0.040	0.038
-0.80	-0.10	1.22	1.22	0.070	0.012	0.047	0.047	0.038	0.038
-0.75	-0.10	1.20	1.20	0.073	-0.007	0.048	0.050	0.035	0.043
-0.70	-0.10	1.19	1.19	0.071	-0.013	0.047	0.047	0.037	0.043
-0.65	-0.10	1.19	1.18	0.075	-0.015	0.043	0.043	0.042	0.040
-0.60	-0.10	1.16	1.16	0.070	-0.022	0.048	0.048	0.042	0.040
-0.55	-0.10	1.15	1.15	0.063	-0.018	0.047	0.047	0.038	0.037
-0.50	-0.10	1.14	1.13	0.068	-0.028	0.047	0.047	0.043	0.038
-0.40	-0.10	1.13	1.12	0.056	-0.022	0.045	0.045	0.043	0.035
-0.30	-0.10	1.09	1.09	0.047	-0.018	0.043	0.043	0.045	0.033
-0.20	-0.10	1.08	1.08	0.047	-0.018	0.043	0.045	0.042	0.040
-0.10	-0.10	1.06	1.06	0.045	-0.017	0.045	0.045	0.038	0.033
0.00	-0.10	1.03	1.03	0.035	-0.008	0.047	0.047	0.042	0.033
0.10	-0.10	1.01	1.01	0.028	-0.008	0.040	0.042	0.038	0.035
0.20	-0.10	1.00	1.00	0.030	-0.013	0.037	0.038	0.047	0.030
0.30	-0.10	0.97	0.97	0.027	-0.013	0.042	0.042	0.038	0.035
0.40	-0.10	0.95	0.94	0.020	-0.012	0.040	0.040	0.045	0.035
0.50	-0.10	0.94	0.94	0.020	-0.008	0.040	0.040	0.042	0.032
0.60	-0.10	0.93	0.92	0.005	-0.008	0.033	0.033	0.055	0.030
0.70	-0.10	0.89	0.89	0.002	-0.008	0.050	0.055	0.067	0.045
0.80	-0.10	0.85	0.85	0.003	0.003	0.067	0.067	0.062	0.048
0.80	-0.20	0.85	0.85	0.010	0.005	0.065	0.065	0.067	0.047
0.70	-0.20	0.88	0.88	0.013	-0.007	0.065	0.067	0.055	0.043
0.60	-0.20	0.91	0.90	0.017	-0.018	0.052	0.052	0.048	0.033
0.50	-0.20	0.93	0.92	0.012	-0.022	0.048	0.050	0.047	0.035
0.40	-0.20	0.96	0.96	0.032	-0.015	0.045	0.045	0.047	0.035
0.30	-0.20	0.98	0.97	0.033	-0.017	0.045	0.045	0.045	0.035
0.20	-0.20	1.00	1.00	0.032	-0.015	0.045	0.043	0.047	0.037
0.10	-0.20	1.02	1.01	0.040	-0.012	0.043	0.043	0.043	0.037
0.00	-0.20	1.03	1.02	0.037	-0.008	0.048	0.048	0.050	0.042
-0.10	-0.20	1.06	1.05	0.042	-0.012	0.045	0.045	0.045	0.042
-0.20	-0.20	1.08	1.08	0.045	-0.022	0.047	0.048	0.047	0.030
-0.30	-0.20	1.10	1.10	0.043	-0.022	0.050	0.052	0.053	0.040
-0.40	-0.20	1.13	1.13	0.050	-0.023	0.047	0.047	0.048	0.033
-0.50	-0.20	1.15	1.15	0.064	-0.023	0.045	0.045	0.043	0.038
-0.55	-0.20	1.17	1.16	0.072	-0.028	0.048	0.048	0.042	0.037
-0.60	-0.20	1.17	1.16	0.070	-0.022	0.045	0.047	0.045	0.038
-0.65	-0.20	1.18	1.17	0.074	-0.023	0.048	0.050	0.043	0.038
-0.70	-0.20	1.20	1.20	0.074	-0.018	0.053	0.053	0.040	0.043
-0.75	-0.20	1.22	1.21	0.075	-0.010	0.048	0.048	0.038	0.045
-0.80	-0.20	1.23	1.22	0.077	-0.002	0.048	0.048	0.040	0.047

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.30	1.22	1.22	0.084	0.003	0.055	0.057	0.045	0.042
-0.75	-0.30	1.21	1.21	0.075	-0.013	0.050	0.050	0.033	0.040
-0.70	-0.30	1.20	1.19	0.077	-0.022	0.045	0.045	0.042	0.043
-0.65	-0.30	1.18	1.18	0.077	-0.028	0.047	0.047	0.045	0.043
-0.60	-0.30	1.17	1.16	0.070	-0.028	0.048	0.048	0.043	0.040
-0.55	-0.30	1.16	1.16	0.072	-0.030	0.048	0.050	0.040	0.042
-0.50	-0.30	1.15	1.15	0.070	-0.028	0.048	0.048	0.047	0.042
-0.40	-0.30	1.12	1.12	0.057	-0.030	0.047	0.047	0.052	0.043
-0.30	-0.30	1.10	1.10	0.043	-0.002	0.028	0.028	0.037	0.022
-0.20	-0.30	1.08	1.07	0.052	-0.020	0.050	0.050	0.057	0.047
-0.10	-0.30	1.05	1.05	0.047	-0.018	0.050	0.048	0.050	0.042
0.00	-0.30	1.03	1.03	0.048	-0.013	0.047	0.047	0.050	0.042
0.10	-0.30	1.01	1.01	0.042	-0.005	0.052	0.052	0.058	0.045
0.20	-0.30	0.99	0.99	0.043	-0.012	0.047	0.047	0.050	0.043
0.30	-0.30	0.96	0.96	0.032	-0.017	0.043	0.043	0.048	0.038
0.40	-0.30	0.94	0.94	0.028	-0.030	0.048	0.048	0.048	0.042
0.50	-0.30	0.94	0.94	0.020	-0.027	0.047	0.048	0.048	0.035
0.60	-0.30	0.91	0.91	0.015	-0.023	0.048	0.048	0.052	0.035
0.70	-0.30	0.88	0.88	0.018	-0.022	0.063	0.063	0.058	0.043
0.80	-0.30	0.85	0.85	-0.003	-0.008	0.060	0.060	0.062	0.050
0.80	-0.40	0.84	0.84	0.000	-0.003	0.072	0.072	0.060	0.045
0.70	-0.40	0.89	0.88	0.007	-0.027	0.055	0.057	0.057	0.047
0.60	-0.40	0.92	0.91	0.020	-0.032	0.045	0.047	0.047	0.040
0.50	-0.40	0.94	0.93	0.027	-0.028	0.047	0.047	0.043	0.032
0.40	-0.40	0.96	0.95	0.020	-0.037	0.050	0.050	0.042	0.030
0.30	-0.40	0.98	0.97	0.042	-0.022	0.050	0.052	0.048	0.035
0.20	-0.40	1.01	1.00	0.040	-0.023	0.047	0.047	0.052	0.038
0.10	-0.40	1.00	1.00	0.043	-0.012	0.050	0.050	0.048	0.048
0.00	-0.40	1.03	1.03	0.047	-0.005	0.055	0.055	0.055	0.040
-0.10	-0.40	1.05	1.04	0.052	-0.015	0.047	0.047	0.045	0.042
-0.20	-0.40	1.07	1.07	0.060	-0.023	0.047	0.047	0.057	0.047
-0.30	-0.40	1.10	1.10	0.070	-0.028	0.045	0.045	0.050	0.038
-0.40	-0.40	1.12	1.11	0.065	-0.037	0.053	0.053	0.050	0.043
-0.50	-0.40	1.14	1.14	0.072	-0.035	0.047	0.047	0.045	0.040
-0.55	-0.40	1.17	1.17	0.072	-0.033	0.050	0.052	0.043	0.033
-0.60	-0.40	1.18	1.18	0.077	-0.037	0.045	0.047	0.043	0.043
-0.65	-0.40	1.19	1.19	0.048	-0.028	0.070	0.030	0.026	0.031
-0.70	-0.40	1.21	1.20	0.061	-0.035	0.033	0.033	0.030	0.035
-0.75	-0.40	1.24	1.24	0.071	-0.031	0.035	0.035	0.033	0.033
-0.80	-0.40	1.20	1.20	0.073	-0.076	0.051	0.051	0.041	0.045
-0.80	-0.50	1.16	1.16	0.038	-0.036	0.079	0.081	0.053	0.055
-0.75	-0.50	1.22	1.21	0.043	-0.051	0.041	0.041	0.038	0.036
-0.70	-0.50	1.20	1.20	0.040	-0.045	0.036	0.036	0.033	0.031
-0.65	-0.50	1.20	1.20	0.036	-0.038	0.035	0.035	0.028	0.035
-0.60	-0.50	1.18	1.18	0.043	-0.025	0.030	0.030	0.035	0.033
-0.55	-0.50	1.16	1.16	0.041	-0.018	0.033	0.033	0.031	0.031
-0.50	-0.50	1.15	1.15	0.043	-0.013	0.031	0.031	0.036	0.030
-0.40	-0.50	1.12	1.12	0.046	-0.005	0.031	0.031	0.031	0.031
-0.30	-0.50	1.11	1.10	0.045	-0.007	0.030	0.030	0.036	0.031
-0.20	-0.50	1.08	1.08	0.050	-0.005	0.028	0.028	0.031	0.031
-0.10	-0.50	1.07	1.07	0.043	-0.012	0.028	0.028	0.028	0.028
0.00	-0.50	1.05	1.05	0.043	-0.015	0.031	0.031	0.035	0.026
0.10	-0.50	1.04	1.03	0.035	-0.010	0.025	0.025	0.030	0.025
0.20	-0.50	1.01	1.01	0.028	-0.013	0.030	0.030	0.031	0.015
0.30	-0.50	0.99	0.99	0.026	-0.027	0.031	0.031	0.031	0.023
0.40	-0.50	0.97	0.97	0.017	-0.026	0.030	0.030	0.031	0.025
0.50	-0.50	0.94	0.94	0.008	-0.021	0.028	0.028	0.031	0.023
0.60	-0.50	0.92	0.91	0.007	-0.020	0.028	0.028	0.040	0.023
0.70	-0.50	0.90	0.90	0.010	-0.020	0.038	0.038	0.048	0.033
0.80	-0.50	0.86	0.86	0.007	-0.020	0.059	0.059	0.058	0.038

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	-0.60	0.86	0.86	0.007	-0.021	0.055	0.055	0.055	0.040
0.70	-0.60	0.90	0.90	0.012	-0.025	0.035	0.035	0.046	0.028
0.60	-0.60	0.92	0.92	0.012	-0.021	0.030	0.030	0.040	0.021
0.50	-0.60	0.95	0.95	0.018	-0.028	0.030	0.030	0.038	0.023
0.40	-0.60	0.96	0.96	0.021	-0.026	0.030	0.030	0.038	0.023
0.30	-0.60	0.98	0.98	0.026	-0.028	0.030	0.030	0.040	0.020
0.20	-0.60	1.02	1.02	0.045	-0.020	0.035	0.035	0.045	0.015
0.10	-0.60	1.03	1.03	0.046	-0.025	0.033	0.033	0.038	0.026
0.00	-0.60	1.04	1.04	0.053	-0.017	0.033	0.033	0.036	0.026
-0.10	-0.60	1.06	1.05	0.057	-0.026	0.054	0.054	0.038	0.038
-0.20	-0.60	1.08	1.07	0.059	-0.018	0.051	0.051	0.039	0.038
-0.30	-0.60	1.12	1.12	0.056	-0.031	0.057	0.057	0.041	0.043
-0.40	-0.60	1.13	1.12	0.051	-0.018	0.051	0.051	0.041	0.039
-0.50	-0.60	1.13	1.13	0.043	-0.028	0.049	0.049	0.043	0.044
-0.55	-0.60	1.15	1.15	0.041	-0.029	0.049	0.049	0.044	0.041
-0.60	-0.60	1.18	1.18	0.036	-0.036	0.048	0.048	0.044	0.043
-0.65	-0.60	1.18	1.18	0.028	-0.039	0.049	0.049	0.039	0.043
-0.70	-0.60	1.22	1.21	0.028	-0.046	0.056	0.056	0.043	0.051
-0.75	-0.60	1.24	1.23	0.033	-0.054	0.084	0.085	0.048	0.054
-0.80	-0.60	1.13	1.12	0.013	-0.018	0.108	0.108	0.054	0.054
-0.80	-0.70	1.15	1.15	-0.015	0.000	0.090	0.090	0.046	0.049
-0.75	-0.70	1.19	1.19	-0.005	-0.023	0.064	0.064	0.049	0.049
-0.70	-0.70	1.17	1.17	0.003	-0.036	0.054	0.054	0.041	0.051
-0.65	-0.70	1.18	1.18	0.011	-0.039	0.048	0.048	0.043	0.046
0.60	-0.70	1.15	1.15	0.033	-0.021	0.049	0.049	0.044	0.044
-0.55	-0.70	1.16	1.16	0.036	-0.026	0.044	0.044	0.043	0.043
-0.50	-0.70	1.16	1.16	0.051	-0.025	0.052	0.052	0.048	0.044
-0.40	-0.70	1.13	1.13	0.049	-0.013	0.052	0.052	0.041	0.038
-0.30	-0.70	1.12	1.12	0.072	-0.023	0.056	0.056	0.043	0.046
-0.20	-0.70	1.10	1.10	0.082	-0.020	0.051	0.051	0.048	0.043
-0.10	-0.70	1.06	1.06	0.075	-0.021	0.052	0.054	0.043	0.041
0.00	-0.70	1.05	1.04	0.085	-0.025	0.049	0.049	0.046	0.041
0.10	-0.70	0.99	0.99	0.046	-0.036	0.043	0.043	0.041	0.038
0.20	-0.70	0.99	0.99	0.056	-0.038	0.043	0.043	0.046	0.034
0.30	-0.70	0.97	0.97	0.049	-0.046	0.048	0.048	0.041	0.034
0.40	-0.70	0.96	0.95	0.034	-0.046	0.051	0.051	0.046	0.038
0.50	-0.70	0.94	0.94	0.036	-0.043	0.051	0.051	0.038	0.036
0.60	-0.70	0.91	0.91	0.028	-0.033	0.052	0.052	0.043	0.029
0.70	-0.70	0.89	0.89	0.020	-0.031	0.051	0.051	0.058	0.028
0.80	-0.70	0.86	0.85	0.016	-0.033	0.063	0.063	0.061	0.041
0.80	-0.80	0.86	0.85	0.000	-0.036	0.061	0.061	0.059	0.049
0.70	-0.80	0.89	0.89	0.018	-0.033	0.054	0.054	0.051	0.041
0.60	-0.80	0.92	0.92	0.016	-0.043	0.048	0.048	0.046	0.035
0.50	-0.80	0.95	0.95	0.016	-0.043	0.066	0.066	0.049	0.036
0.40	-0.80	0.95	0.94	0.018	-0.043	0.059	0.059	0.059	0.043
0.30	-0.80	0.97	0.96	0.035	-0.058	0.049	0.049	0.063	0.049
0.20	-0.80	0.99	0.98	0.035	-0.048	0.056	0.056	0.061	0.044
0.10	-0.80	1.01	1.01	0.026	-0.044	0.063	0.063	0.069	0.044
0.00	-0.80	1.04	1.03	0.057	-0.030	0.072	0.071	0.077	0.056
-0.10	-0.80	1.07	1.06	0.048	-0.023	0.056	0.056	0.074	0.058
-0.20	-0.80	1.06	1.05	0.051	-0.007	0.064	0.066	0.066	0.054
-0.30	-0.80	1.10	1.10	0.051	-0.002	0.067	0.067	0.067	0.054
-0.40	-0.80	1.11	1.11	0.048	-0.002	0.061	0.063	0.058	0.053
-0.50	-0.80	1.14	1.14	0.028	-0.007	0.053	0.053	0.051	0.046
-0.55	-0.80	1.15	1.14	0.003	-0.010	0.049	0.049	0.043	0.051
-0.60	-0.80	1.18	1.18	-0.003	-0.021	0.049	0.051	0.049	0.051
-0.65	-0.80	1.20	1.20	-0.007	-0.016	0.051	0.051	0.044	0.049
-0.70	-0.80	1.18	1.18	-0.016	-0.013	0.056	0.056	0.046	0.046
-0.75	-0.80	1.19	1.18	-0.039	-0.013	0.071	0.072	0.056	0.044
-0.80	-0.80	1.15	1.15	-0.046	0.005	0.077	0.077	0.053	0.051

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.85	1.22	1.21	-0.050	0.013	0.039	0.039	0.039	0.037
-0.75	-0.85	1.22	1.22	-0.037	0.013	0.039	0.039	0.039	0.029
-0.70	-0.85	1.20	1.20	-0.028	0.026	0.041	0.042	0.047	0.054
-0.65	-0.85	1.19	1.18	-0.018	0.024	0.057	0.055	0.050	0.044
-0.60	-0.85	1.13	1.12	-0.002	0.021	0.094	0.096	0.047	0.047
-0.55	-0.85	1.12	1.11	-0.002	0.021	0.090	0.090	0.060	0.063
-0.50	-0.85	1.10	1.10	0.016	0.020	0.101	0.103	0.049	0.070
-0.40	-0.85	1.04	1.03	0.015	0.016	0.091	0.091	0.075	0.063
-0.30	-0.85	1.03	1.02	0.016	0.002	0.099	0.099	0.098	0.060
-0.20	-0.85	1.00	0.99	0.002	-0.011	0.094	0.093	0.107	0.065
-0.10	-0.85	0.94	0.94	0.026	-0.028	0.088	0.088	0.078	0.068
0.00	-0.85	0.93	0.92	0.020	-0.029	0.073	0.073	0.083	0.059
0.10	-0.85	0.95	0.95	0.020	-0.054	0.072	0.072	0.059	0.057
0.20	-0.85	0.96	0.95	0.010	-0.050	0.055	0.055	0.059	0.052
0.30	-0.85	0.93	0.93	0.008	-0.065	0.052	0.052	0.044	0.047
0.40	-0.85	0.92	0.92	0.013	-0.044	0.047	0.047	0.034	0.046
0.50	-0.85	0.90	0.90	0.005	-0.037	0.041	0.041	0.047	0.036
0.60	-0.85	0.88	0.88	0.003	-0.029	0.041	0.041	0.052	0.036
0.70	-0.85	0.84	0.84	-0.002	-0.037	0.050	0.050	0.068	0.044
0.80	-0.85	0.81	0.80	-0.011	-0.031	0.067	0.065	0.083	0.050
-0.80	-0.90	1.14	1.12	-0.157	0.022	0.082	0.084	0.092	0.066
-0.75	-0.90	1.14	1.13	-0.133	0.009	0.092	0.094	0.101	0.061
-0.70	-0.90	1.14	1.13	-0.160	0.003	0.097	0.094	0.099	0.055
-0.65	-0.90	1.09	1.08	-0.184	-0.012	0.099	0.097	0.119	0.063
-0.60	-0.90	1.06	1.04	-0.160	-0.007	0.118	0.123	0.118	0.067
-0.55	-0.90	1.10	1.08	-0.147	-0.009	0.099	0.099	0.121	0.061
-0.50	-0.90	1.04	1.01	-0.131	0.002	0.099	0.099	0.121	0.063
-0.40	-0.90	1.01	0.99	-0.159	-0.022	0.101	0.102	0.099	0.065
-0.30	-0.90	0.98	0.96	-0.165	-0.010	0.095	0.101	0.114	0.068
-0.20	-0.90	1.00	0.97	-0.176	-0.019	0.090	0.090	0.109	0.065
-0.10	-0.90	0.97	0.94	-0.182	-0.017	0.092	0.090	0.109	0.060
0.00	-0.90	0.95	0.93	-0.155	-0.029	0.087	0.089	0.097	0.058
0.10	-0.90	0.96	0.94	-0.136	-0.027	0.075	0.077	0.090	0.061
0.20	-0.90	0.98	0.97	-0.106	-0.031	0.063	0.061	0.082	0.058
0.30	-0.90	0.92	0.91	-0.078	-0.038	0.075	0.075	0.078	0.055
0.40	-0.90	0.92	0.91	-0.078	-0.032	0.066	0.068	0.072	0.048
0.50	-0.90	0.90	0.89	-0.027	-0.036	0.058	0.058	0.065	0.046
0.60	-0.90	0.90	0.89	0.017	-0.031	0.061	0.061	0.044	0.046
0.70	-0.90	0.88	0.87	0.015	-0.031	0.055	0.055	0.049	0.048
0.80	-0.90	0.83	0.83	0.012	-0.034	0.066	0.066	0.053	0.051
-0.80	-0.93	1.10	1.06	-0.244	0.008	0.107	0.112	0.120	0.059
-0.75	-0.93	1.09	1.05	-0.234	0.003	0.126	0.131	0.129	0.061
-0.70	-0.93	1.07	1.03	-0.246	0.000	0.114	0.120	0.137	0.061
-0.65	-0.93	1.07	1.03	-0.210	0.000	0.112	0.119	0.127	0.061
-0.60	-0.93	1.05	1.02	-0.198	-0.008	0.112	0.120	0.119	0.059
-0.55	-0.93	1.01	0.98	-0.239	-0.010	0.103	0.107	0.117	0.058
-0.50	-0.93	1.00	0.96	-0.243	-0.012	0.110	0.114	0.120	0.071
-0.40	-0.93	0.98	0.93	-0.260	-0.022	0.103	0.107	0.109	0.073
-0.30	-0.93	0.97	0.93	-0.232	-0.008	0.095	0.093	0.114	0.064
-0.20	-0.93	0.95	0.91	-0.207	-0.007	0.097	0.098	0.107	0.058
-0.10	-0.93	0.95	0.91	-0.212	-0.015	0.088	0.088	0.110	0.061
0.00	-0.93	0.93	0.90	-0.193	-0.025	0.097	0.095	0.098	0.061
0.10	-0.93	0.93	0.91	-0.179	-0.025	0.036	0.036	0.034	0.029
0.20	-0.93	0.93	0.92	-0.144	-0.020	0.071	0.071	0.087	0.054
0.30	-0.93	0.90	0.88	-0.119	-0.025	0.073	0.071	0.080	0.054
0.40	-0.93	0.90	0.89	-0.095	-0.024	0.066	0.066	0.092	0.054
0.50	-0.93	0.88	0.88	-0.039	-0.039	0.059	0.059	0.064	0.042
0.55	-0.93	0.87	0.87	0.007	-0.034	0.064	0.064	0.056	0.042
0.60	-0.93	0.87	0.87	0.017	-0.032	0.064	0.064	0.044	0.043
0.65	-0.93	0.86	0.86	0.017	-0.027	0.068	0.068	0.046	0.047

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	-0.93	0.86	0.86	0.019	-0.034	0.064	0.064	0.047	0.046
0.80	-0.93	0.82	0.82	0.010	-0.031	0.063	0.063	0.047	0.046
-0.80	-0.95	1.01	0.94	-0.329	0.023	0.144	0.148	0.116	0.065
-0.75	-0.95	1.04	0.98	-0.335	-0.007	0.129	0.132	0.117	0.065
-0.70	-0.95	1.03	0.95	-0.376	-0.003	0.116	0.124	0.107	0.069
-0.65	-0.95	1.04	0.97	-0.357	-0.005	0.122	0.122	0.112	0.064
-0.60	-0.95	0.96	0.90	-0.307	-0.005	0.116	0.116	0.121	0.070
-0.55	-0.95	0.99	0.92	-0.329	-0.012	0.124	0.124	0.134	0.065
-0.50	-0.95	0.97	0.91	-0.320	-0.013	0.134	0.141	0.127	0.069
-0.40	-0.95	0.93	0.88	-0.277	-0.003	0.126	0.126	0.131	0.067
-0.30	-0.95	0.96	0.90	-0.310	-0.010	0.144	0.148	0.112	0.064
-0.20	-0.95	0.94	0.88	-0.305	-0.015	0.107	0.107	0.101	0.059
-0.10	-0.95	0.91	0.85	-0.272	-0.013	0.106	0.109	0.101	0.065
0.00	-0.95	0.94	0.90	-0.235	-0.023	0.112	0.112	0.086	0.060
0.10	-0.95	0.89	0.86	-0.223	-0.025	0.114	0.114	0.092	0.05[illegible]
0.20	-0.95	0.93	0.90	-0.210	-0.022	0.092	0.094	0.080	0.050
0.30	-0.95	0.92	0.89	-0.186	-0.022	0.119	0.122	0.084	0.049
0.40	-0.95	0.89	0.88	-0.149	-0.029	0.119	0.121	0.077	0.054
0.50	-0.95	0.88	0.87	-0.065	-0.023	0.124	0.124	0.086	0.050
0.60	-0.95	0.85	0.85	-0.017	-0.025	0.080	0.080	0.064	0.047
0.70	-0.95	0.83	0.82	-0.008	-0.027	0.070	0.070	0.052	0.050
0.80	-0.95	0.80	0.79	-0.003	-0.030	0.074	0.074	0.064	0.047
0.80	-0.76	0.98	0.89	-0.388	0.007	0.137	0.134	0.117	0.065
-0.75	-0.96	0.98	0.89	-0.377	-0.005	0.131	0.134	0.122	0.065
-0.70	-0.96	0.99	0.90	-0.388	-0.007	0.111	0.121	0.104	0.067
-0.65	-0.96	0.97	0.90	-0.303	-0.012	0.126	0.129	0.162	0.069
-0.60	-0.96	0.97	0.88	-0.380	-0.010	0.114	0.116	0.114	0.059
-0.55	-0.96	0.95	0.86	-0.388	-0.005	0.104	0.109	0.100	0.070
-0.50	-0.96	0.95	0.86	-0.380	-0.008	0.124	0.134	0.099	0.065
-0.40	-0.96	0.92	0.84	-0.343	-0.008	0.121	0.121	0.111	0.059
-0.30	-0.96	0.94	0.87	-0.340	-0.017	0.129	0.137	0.102	0.060
-0.20	-0.96	0.93	0.87	-0.315	-0.017	0.124	0.127	0.097	0.057
-0.10	-0.96	0.92	0.85	-0.311	-0.015	0.117	0.122	0.089	0.057
0.00	-0.96	0.92	0.87	-0.275	-0.018	0.122	0.129	0.095	0.060
0.10	-0.96	0.90	0.86	-0.248	-0.012	0.116	0.119	0.094	0.047
0.20	-0.96	0.92	0.89	-0.224	-0.018	0.121	0.121	0.085	0.050
0.30	-0.96	0.88	0.86	-0.179	-0.025	0.102	0.105	0.077	0.050
0.40	-0.96	0.89	0.87	-0.161	-0.018	0.114	0.116	0.075	0.050
0.50	-0.96	0.86	0.85	-0.092	-0.028	0.114	0.114	0.089	0.052
0.60	-0.96	0.82	0.82	-0.003	-0.032	0.102	0.104	0.049	0.054
0.70	-0.96	0.82	0.82	0.008	-0.025	0.077	0.077	0.050	0.047
0.80	-0.96	0.79	0.79	0.013	-0.037	0.077	0.077	0.050	0.044
0.70	0.00	0.89	0.89	0.018	0.005	0.057	0.054	0.050	0.041
0.60	0.00	0.92	0.92	0.012	0.000	0.051	0.053	0.046	0.038
0.50	0.00	0.94	0.94	0.020	0.003	0.050	0.050	0.038	0.035
0.40	0.00	0.95	0.95	0.030	-0.007	0.046	0.046	0.038	0.033
0.30	0.00	1.00	1.00	0.031	-0.007	0.046	0.046	0.038	0.030
0.20	0.00	1.01	1.01	0.033	-0.007	0.054	0.054	0.038	0.030
0.10	0.00	1.02	1.02	0.046	-0.003	0.045	0.046	0.036	0.027
0.00	0.00	1.04	1.04	0.041	-0.010	0.053	0.053	0.040	0.038
-0.10	0.00	1.06	1.05	0.051	-0.005	0.048	0.048	0.036	0.030
-0.20	0.00	1.07	1.06	0.053	-0.017	0.053	0.057	0.036	0.036
-0.30	0.00	1.10	1.10	0.056	-0.013	0.053	0.053	0.040	0.035
-0.40	0.00	1.12	1.11	0.061	-0.015	0.051	0.051	0.041	0.036
0.50	0.00	1.16	1.16	0.069	-0.026	0.046	0.048	0.041	0.041
-0.55	0.00	1.17	1.16	0.074	-0.021	0.046	0.048	0.041	0.038
-0.60	0.00	1.16	1.15	0.069	-0.012	0.050	0.050	0.041	0.033
-0.65	0.00	1.18	1.18	0.074	-0.021	0.054	0.054	0.041	0.041
-0.70	0.00	1.21	1.20	0.073	-0.018	0.050	0.050	0.035	0.043
-0.75	0.00	1.22	1.22	0.066	-0.023	0.043	0.043	0.035	0.040

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	0.00	1.23	1.22	0.063	-0.015	0.054	0.056	0.035	0.038
-0.80	0.10	1.24	1.24	0.071	-0.015	0.053	0.053	0.033	0.041
-0.75	0.10	1.21	1.21	0.071	-0.018	0.048	0.048	0.038	0.040
-0.70	0.10	1.21	1.20	0.068	-0.020	0.048	0.048	0.040	0.040
-0.65	0.10	1.19	1.19	0.078	-0.018	0.048	0.048	0.041	0.038
-0.60	0.10	1.16	1.16	0.076	-0.012	0.048	0.050	0.036	0.035
-0.55	0.10	1.15	1.15	0.064	-0.013	0.046	0.046	0.040	0.035
-0.50	0.10	1.16	1.16	0.061	-0.012	0.046	0.046	0.041	0.036
-0.40	0.10	1.11	1.11	0.058	-0.010	0.043	0.043	0.040	0.030
-0.30	0.10	1.10	1.10	0.046	-0.012	0.045	0.045	0.041	0.030
-0.20	0.10	1.08	1.07	0.048	-0.008	0.041	0.041	0.043	0.030
-0.10	0.10	1.07	1.07	0.045	-0.008	0.041	0.043	0.041	0.030
0.00	0.10	1.03	1.03	0.031	-0.005	0.040	0.040	0.038	0.028
0.10	0.10	1.02	1.02	0.033	0.002	0.038	0.038	0.038	0.027
0.20	0.10	0.99	0.99	0.035	0.005	0.041	0.041	0.038	0.027
0.30	0.10	0.98	0.98	0.027	-0.002	0.041	0.043	0.038	0.028
0.40	0.10	0.95	0.95	0.022	0.002	0.045	0.045	0.036	0.028
0.50	0.10	0.93	0.93	0.013	0.002	0.045	0.045	0.046	0.030
0.60	0.10	0.93	0.93	0.013	-0.002	0.051	0.053	0.050	0.035
0.70	0.10	0.88	0.88	0.013	0.005	0.056	0.056	0.045	0.036
0.80	0.10	0.86	0.85	0.007	0.003	0.060	0.061	0.060	0.046
0.80	0.20	0.86	0.85	0.005	0.012	0.060	0.060	0.053	0.045
0.70	0.20	0.89	0.89	0.002	0.005	0.058	0.060	0.055	0.038
0.60	0.20	0.92	0.92	0.013	0.008	0.046	0.046	0.043	0.030
0.50	0.20	0.94	0.94	0.015	0.008	0.046	0.046	0.043	0.027
0.40	0.20	0.96	0.96	0.023	0.002	0.045	0.045	0.036	0.035
0.30	0.20	0.97	0.97	0.030	0.005	0.040	0.040	0.040	0.027
0.20	0.20	1.01	1.01	0.035	0.000	0.045	0.045	0.038	0.030
0.10	0.20	1.03	1.02	0.038	-0.003	0.040	0.041	0.038	0.030
0.00	0.20	1.04	1.03	0.045	-0.003	0.045	0.045	0.040	0.036
-0.10	0.20	1.07	1.07	0.053	-0.005	0.043	0.043	0.040	0.036
-0.20	0.20	1.08	1.08	0.051	-0.007	0.046	0.046	0.035	0.031
-0.30	0.20	1.12	1.12	0.060	-0.008	0.043	0.043	0.040	0.036
-0.40	0.20	1.12	1.12	0.066	-0.005	0.043	0.045	0.041	0.035
-0.50	0.20	1.15	1.15	0.075	-0.007	0.048	0.048	0.041	0.036
-0.55	0.20	1.17	1.17	0.076	-0.005	0.051	0.051	0.036	0.031
-0.60	0.20	1.18	1.17	0.071	-0.010	0.050	0.050	0.040	0.036
-0.65	0.20	1.18	1.17	0.073	-0.012	0.043	0.043	0.040	0.035
-0.70	0.20	1.20	1.19	0.080	-0.015	0.051	0.051	0.040	0.036
-0.75	0.20	1.22	1.22	0.071	-0.022	0.046	0.046	0.040	0.041
-0.80	0.20	1.23	1.22	0.073	-0.020	0.046	0.046	0.038	0.035
-0.80	0.30	1.23	1.23	0.084	-0.017	0.053	0.055	0.036	0.036
-0.75	0.30	1.22	1.22	0.081	-0.010	0.043	0.043	0.038	0.038
-0.70	0.30	1.20	1.20	0.081	-0.007	0.050	0.051	0.040	0.038
-0.65	0.30	1.19	1.18	0.078	-0.010	0.045	0.046	0.038	0.038
-0.60	0.30	1.17	1.16	0.073	-0.005	0.046	0.046	0.041	0.036
-0.55	0.30	1.17	1.16	0.076	-0.007	0.043	0.043	0.043	0.036
-0.50	0.30	1.16	1.15	0.066	-0.007	0.040	0.041	0.036	0.038
-0.40	0.30	1.15	1.15	0.066	-0.008	0.045	0.047	0.042	0.040
-0.30	0.30	1.12	1.12	0.057	-0.002	0.044	0.044	0.040	0.032
-0.20	0.30	1.09	1.09	0.047	0.002	0.039	0.039	0.037	0.030
-0.10	0.30	1.07	1.07	0.039	0.003	0.037	0.039	0.040	0.030
0.00	0.30	1.05	1.05	0.039	0.008	0.035	0.035	0.045	0.027
0.10	0.30	1.03	1.03	0.039	0.013	0.034	0.034	0.040	0.025
0.20	0.30	1.02	1.02	0.030	0.013	0.034	0.034	0.042	0.027
0.30	0.30	0.99	0.99	0.027	0.013	0.034	0.034	0.044	0.024
0.40	0.30	0.97	0.97	0.022	0.017	0.034	0.034	0.042	0.020
0.50	0.30	0.95	0.94	0.010	0.015	0.029	0.029	0.040	0.020
0.60	0.30	0.94	0.94	0.010	0.020	0.029	0.029	0.044	0.022
0.70	0.30	0.90	0.90	0.010	0.022	0.042	0.044	0.052	0.034

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.80	0.30	0.86	0.86	-0.007	0.019	0.059	0.059	0.064	0.045
0.80	0.40	0.67	0.66	0.002	0.015	0.056	0.056	0.057	0.035
0.70	0.40	0.69	0.69	-0.002	0.015	0.037	0.039	0.045	0.027
0.60	0.40	0.71	0.71	-0.002	0.020	0.042	0.044	0.050	0.029
0.50	0.40	0.67	0.67	0.007	0.015	0.027	0.027	0.037	0.017
0.40	0.40	0.70	0.70	0.003	0.010	0.030	0.030	0.040	0.020
0.30	0.40	0.72	0.72	0.012	0.010	0.029	0.029	0.039	0.019
0.20	0.40	0.72	0.72	0.015	0.015	0.025	0.025	0.040	0.019
0.10	0.40	0.73	0.73	0.019	0.010	0.025	0.025	0.039	0.017
0.00	0.40	0.76	0.76	0.019	0.010	0.027	0.027	0.037	0.019
-0.10	0.40	0.77	0.77	0.029	0.008	0.029	0.029	0.039	0.019
-0.20	0.40	0.79	0.79	0.032	0.012	0.030	0.030	0.035	0.020
-0.30	0.40	0.82	0.82	0.037	0.008	0.030	0.030	0.037	0.020
-0.40	0.40	0.83	0.83	0.042	0.013	0.034	0.034	0.037	0.019
-0.50	0.40	1.17	1.17	0.076	0.008	0.045	0.045	0.042	0.030
-0.55	0.40	1.17	1.17	0.079	0.007	0.045	0.045	0.040	0.035
-0.60	0.40	1.18	1.18	0.082	0.010	0.040	0.042	0.040	0.037
-0.65	0.40	1.20	1.19	0.090	0.002	0.040	0.042	0.032	0.047
-0.70	0.40	1.22	1.21	0.099	0.007	0.042	0.042	0.035	0.040
-0.75	0.40	1.23	1.22	0.100	0.010	0.042	0.042	0.033	0.042
-0.80	0.40	1.17	1.17	0.090	-0.025	0.095	0.097	0.043	0.059
-0.80	0.50	1.08	1.08	0.060	-0.035	0.102	0.102	0.043	0.055
-0.75	0.50	1.22	1.21	0.087	0.013	0.065	0.065	0.042	0.047
-0.70	0.50	1.21	1.21	0.084	0.020	0.040	0.042	0.033	0.040
-0.65	0.50	1.19	1.19	0.077	0.015	0.035	0.035	0.037	0.040
-0.60	0.50	1.18	1.18	0.077	0.018	0.038	0.040	0.030	0.033
-0.55	0.50	1.17	1.17	0.067	0.013	0.045	0.045	0.037	0.040
-0.50	0.50	1.17	1.17	0.069	0.005	0.037	0.037	0.035	0.037
-0.40	0.50	1.14	1.14	0.067	0.003	0.038	0.038	0.037	0.030
-0.30	0.50	1.11	1.10	0.060	0.002	0.043	0.043	0.035	0.028
-0.20	0.50	1.08	1.08	0.054	0.005	0.035	0.035	0.032	0.027
-0.10	0.50	1.06	1.06	0.045	0.005	0.027	0.027	0.030	0.025
0.00	0.50	1.04	1.04	0.030	0.007	0.030	0.032	0.032	0.027
0.10	0.50	1.02	1.02	0.030	0.010	0.033	0.033	0.030	0.025
0.20	0.50	1.00	1.00	0.020	0.017	0.028	0.028	0.030	0.025
0.30	0.50	0.97	0.97	0.013	0.013	0.030	0.030	0.028	0.025
0.40	0.50	0.95	0.95	0.002	0.010	0.030	0.030	0.033	0.027
0.50	0.50	0.92	0.92	-0.002	0.007	0.035	0.035	0.042	0.033
0.60	0.50	0.89	0.89	0.007	0.015	0.050	0.052	0.042	0.035
0.70	0.50	0.86	0.86	0.007	0.010	0.050	0.052	0.049	0.033
0.80	0.50	0.83	0.83	0.005	0.012	0.055	0.055	0.055	0.038
0.80	0.60	0.84	0.83	0.007	0.022	0.047	0.047	0.060	0.040
0.70	0.60	0.85	0.85	0.007	0.010	0.040	0.040	0.049	0.033
0.60	0.60	0.88	0.88	0.005	-0.005	0.050	0.050	0.049	0.038
0.50	0.60	0.90	0.90	0.008	0.005	0.035	0.037	0.037	0.028
0.40	0.60	0.93	0.93	0.003	0.003	0.043	0.043	0.040	0.028
0.30	0.60	0.99	0.98	0.008	0.003	0.043	0.043	0.032	0.032
0.20	0.60	0.97	0.97	0.023	0.020	0.038	0.038	0.032	0.028
0.10	0.60	1.00	1.00	0.037	0.020	0.033	0.033	0.033	0.028
0.00	0.60	1.04	1.04	0.028	0.010	0.035	0.035	0.032	0.035
-0.10	0.60	1.05	1.04	0.038	0.007	0.033	0.033	0.033	0.028
-0.20	0.60	1.07	1.07	0.048	0.003	0.037	0.037	0.033	0.032
-0.30	0.60	1.10	1.10	0.053	0.005	0.037	0.037	0.033	0.033
-0.40	0.60	1.13	1.12	0.061	0.008	0.032	0.032	0.037	0.030
-0.50	0.60	1.16	1.15	0.063	0.012	0.038	0.038	0.037	0.035
-0.55	0.60	1.15	1.15	0.060	0.020	0.033	0.033	0.033	0.033
-0.60	0.60	1.19	1.18	0.060	0.022	0.033	0.033	0.038	0.038
-0.65	0.60	1.19	1.19	0.071	0.030	0.035	0.035	0.033	0.035
-0.70	0.60	1.20	1.20	0.065	0.022	0.041	0.041	0.037	0.041
-0.75	0.60	1.15	1.15	0.056	0.007	0.065	0.065	0.045	0.045

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	0.60	1.06	1.06	0.038	-0.032	0.068	0.068	0.046	0.048
-0.80	0.70	1.09	1.08	0.018	-0.040	0.056	0.058	0.045	0.043
-0.75	0.70	1.15	1.15	0.022	-0.013	0.055	0.055	0.041	0.041
-0.70	0.70	1.18	1.18	0.040	0.008	0.041	0.041	0.040	0.041
-0.65	0.70	1.19	1.19	0.035	0.018	0.032	0.032	0.035	0.038
-0.60	0.70	1.18	1.18	0.045	0.018	0.033	0.033	0.037	0.041
-0.55	0.70	1.18	1.18	0.056	0.017	0.035	0.035	0.040	0.035
-0.50	0.70	1.16	1.16	0.060	0.012	0.038	0.038	0.037	0.035
-0.40	0.70	1.14	1.14	0.053	0.010	0.033	0.033	0.040	0.035
-0.30	0.70	1.11	1.10	0.043	0.010	0.037	0.037	0.040	0.030
-0.20	0.70	1.08	1.08	0.032	0.013	0.035	0.035	0.037	0.030
-0.10	0.70	1.05	1.04	0.028	0.013	0.033	0.033	0.037	0.025
0.00	0.70	0.99	0.99	0.028	0.012	0.045	0.045	0.037	0.025
0.10	0.70	0.96	0.96	0.018	0.003	0.041	0.041	0.038	0.032
0.20	0.70	0.94	0.94	0.018	0.007	0.045	0.045	0.037	0.032
0.30	0.70	0.91	0.91	0.017	0.013	0.037	0.037	0.038	0.027
0.40	0.70	0.89	0.89	0.012	0.015	0.037	0.037	0.038	0.028
0.50	0.70	0.88	0.88	0.012	0.012	0.037	0.037	0.037	0.030
0.60	0.70	0.87	0.87	0.008	0.012	0.038	0.038	0.040	0.027
0.70	0.70	0.85	0.84	0.012	0.002	0.047	0.047	0.052	0.037
0.80	0.70	0.82	0.82	0.010	0.010	0.054	0.054	0.054	0.045
0.80	0.80	0.80	0.79	-0.018	0.012	0.066	0.067	0.069	0.047
0.70	0.80	0.85	0.85	-0.012	0.007	0.047	0.049	0.059	0.040
0.60	0.80	0.87	0.86	-0.002	0.007	0.049	0.049	0.055	0.040
0.50	0.80	0.90	0.90	0.000	0.007	0.050	0.050	0.045	0.035
0.40	0.80	0.92	0.92	0.003	0.007	0.045	0.045	0.047	0.039
0.30	0.80	0.93	0.93	0.005	0.012	0.049	0.049	0.044	0.036
0.20	0.80	0.93	0.93	0.010	0.008	0.045	0.045	0.050	0.039
0.10	0.80	0.96	0.96	0.007	0.012	0.049	0.049	0.045	0.039
0.00	0.80	0.98	0.97	0.015	0.007	0.045	0.045	0.055	0.039
-0.10	0.80	1.00	0.99	0.022	-0.007	0.050	0.050	0.059	0.047
-0.20	0.80	1.04	1.03	0.030	-0.013	0.049	0.049	0.066	0.054
-0.30	0.80	1.08	1.07	0.042	-0.013	0.054	0.054	0.074	0.054
-0.40	0.80	1.14	1.14	0.049	-0.010	0.057	0.057	0.069	0.055
-0.50	0.80	1.15	1.14	0.052	-0.007	0.052	0.052	0.057	0.052
-0.55	0.80	1.17	1.17	0.024	-0.005	0.052	0.052	0.060	0.049
-0.60	0.80	1.18	1.18	0.025	-0.005	0.059	0.059	0.057	0.052
-0.65	0.80	1.19	1.19	0.010	-0.007	0.059	0.059	0.066	0.050
-0.70	0.80	1.19	1.19	-0.007	-0.013	0.064	0.064	0.062	0.052
-0.75	0.80	1.17	1.17	-0.027	-0.032	0.064	0.064	0.066	0.052
-0.80	0.80	1.15	1.14	-0.039	-0.074	0.064	0.066	0.064	0.059
-0.80	0.80	1.14	1.13	-0.045	-0.070	0.066	0.068	0.070	0.053
-0.80	0.70	1.09	1.08	0.028	-0.048	0.068	0.068	0.050	0.048
-0.80	0.60	1.09	1.09	0.051	-0.038	0.083	0.085	0.050	0.058
-0.80	0.50	1.10	1.10	0.075	-0.028	0.106	0.108	0.053	0.058
-0.80	0.40	1.19	1.18	0.088	-0.017	0.068	0.068	0.045	0.048
-0.80	0.30	1.22	1.21	0.090	-0.012	0.055	0.056	0.036	0.036
-0.80	0.20	1.20	1.20	0.076	-0.020	0.046	0.046	0.036	0.040
-0.80	0.10	1.22	1.22	0.065	-0.025	0.051	0.051	0.036	0.038
-0.80	0.00	1.21	1.21	0.056	-0.025	0.045	0.046	0.040	0.046
-0.80	-0.10	1.21	1.21	0.061	-0.020	0.045	0.045	0.038	0.040
-0.80	-0.20	1.20	1.19	0.061	-0.023	0.050	0.050	0.040	0.036
-0.80	-0.30	1.22	1.21	0.070	-0.030	0.050	0.050	0.041	0.041
-0.80	-0.40	1.21	1.20	0.076	-0.036	0.071	0.071	0.045	0.046
-0.80	-0.50	1.10	1.09	0.043	-0.040	0.123	0.124	0.061	0.055
-0.80	-0.60	1.11	1.11	0.013	-0.028	0.099	0.099	0.058	0.056
-0.80	-0.70	1.13	1.12	-0.022	-0.002	0.086	0.086	0.048	0.050
-0.80	-0.80	1.13	1.13	-0.053	0.007	0.068	0.068	0.055	0.045
-0.85	0.80	1.15	1.15	-0.044	-0.062	0.059	0.062	0.083	0.048
-0.85	0.70	1.12	1.12	-0.017	-0.052	0.043	0.043	0.044	0.038

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.85	0.60	1.10	1.10	0.021	-0.043	0.062	0.067	0.043	0.052
-0.85	0.50	1.11	1.10	0.030	-0.033	0.071	0.071	0.057	0.054
-0.85	0.40	1.18	1.17	0.037	-0.010	0.071	0.070	0.137	0.051
-0.85	0.30	1.23	1.23	0.065	-0.006	0.032	0.032	0.084	0.030
-0.85	0.20	1.23	1.22	0.075	-0.017	0.030	0.030	0.067	0.024
-0.85	0.10	1.23	1.23	0.071	-0.016	0.029	0.029	0.038	0.024
-0.85	0.00	1.24	1.23	0.060	-0.013	0.030	0.030	0.046	0.030
-0.85	-0.10	1.22	1.22	0.060	-0.003	0.024	0.024	0.044	0.022
-0.85	-0.20	1.24	1.24	0.064	-0.006	0.029	0.029	0.032	0.027
-0.85	-0.30	1.24	1.24	0.076	-0.016	0.032	0.032	0.044	0.030
-0.85	-0.40	1.21	1.21	0.052	-0.035	0.043	0.043	0.064	0.035
-0.85	-0.50	1.15	1.15	0.059	-0.037	0.078	0.079	0.065	0.043
-0.85	-0.60	1.15	1.14	0.000	-0.021	0.059	0.059	0.059	0.040
-0.85	-0.70	1.17	1.17	-0.022	0.010	0.046	0.046	0.059	0.038
-0.85	-0.80	1.18	1.18	-0.043	0.027	0.037	0.037	0.044	0.032
-0.90	0.80	1.08	1.05	-0.071	-0.244	0.103	0.104	0.091	0.083
-0.90	0.70	1.06	1.03	0.005	-0.226	0.081	0.084	0.064	0.076
-0.90	0.60	0.98	0.96	0.015	-0.202	0.088	0.093	0.059	0.083
-0.90	0.50	0.94	0.92	0.032	-0.160	0.079	0.084	0.059	0.079
-0.90	0.40	0.82	0.81	0.052	-0.123	0.098	0.098	0.066	0.067
-0.90	0.30	0.95	0.94	0.051	-0.106	0.142	0.145	0.061	0.066
-0.90	0.20	1.03	1.02	0.044	-0.057	0.152	0.153	0.049	0.061
-0.90	0.10	1.09	1.09	0.046	-0.046	0.118	0.120	0.054	0.052
-0.90	0.00	1.13	1.13	0.044	-0.035	0.104	0.104	0.056	0.069
-0.90	0.10	1.12	1.11	0.035	-0.010	0.140	0.140	0.047	0.056
-0.90	-0.20	1.04	1.03	0.046	0.024	0.128	0.128	0.057	0.054
-0.90	-0.30	0.97	0.96	0.034	0.061	0.126	0.130	0.056	0.076
-0.90	-0.40	0.83	0.82	0.052	0.094	0.125	0.130	0.071	0.083
-0.90	-0.50	0.86	0.85	0.037	0.093	0.083	0.081	0.067	0.079
0.90	-0.60	0.92	0.91	-0.002	0.099	0.083	0.083	0.062	0.064
-0.90	-0.70	1.00	0.98	-0.029	0.116	0.086	0.088	0.071	0.066
-0.90	-0.80	1.08	1.07	-0.030	0.108	0.083	0.084	0.059	0.052
-0.93	0.80	0.65	0.58	-0.045	-0.167	0.463	0.476	0.087	0.187
-0.93	0.70	1.00	0.94	-0.002	-0.336	0.137	0.147	0.073	0.097
-0.93	0.60	0.95	0.89	0.015	-0.291	0.145	0.159	0.060	0.090
-0.93	0.50	0.92	0.88	0.078	-0.242	0.110	0.115	0.067	0.078
-0.93	0.40	0.80	0.77	0.050	-0.195	0.104	0.107	0.070	0.104
-0.93	0.30	0.79	0.77	0.020	-0.139	0.122	0.125	0.058	0.078
-0.93	0.20	0.85	0.83	0.023	-0.115	0.144	0.142	0.062	0.094
-0.93	0.10	0.82	0.80	0.028	-0.065	0.184	0.185	0.055	0.073
-0.93	0.00	0.80	0.79	0.022	-0.020	0.237	0.239	0.053	0.053
-0.93	-0.10	0.82	0.82	0.018	0.010	0.202	0.204	0.065	0.058
-0.93	-0.20	0.86	0.86	0.023	0.050	0.142	0.142	0.062	0.062
-0.93	-0.30	0.75	0.75	0.025	0.073	0.165	0.189	0.259	0.075
-0.93	0.40	0.73	0.71	0.013	0.124	0.127	0.134	0.063	0.075
-0.93	-0.50	0.81	0.80	0.057	0.165	0.147	0.160	0.077	0.087
-0.93	-0.60	0.92	0.90	0.007	0.164	0.089	0.092	0.065	0.070
-0.93	-0.70	0.95	0.93	-0.032	0.135	0.124	0.132	0.062	0.097
-0.93	-0.80	1.01	0.99	-0.022	0.142	0.107	0.114	0.065	0.082
-0.95	0.80	0.97	0.87	-0.045	-0.785	0.120	0.130	0.085	0.136
-0.95	0.70	0.96	0.86	-0.007	-0.412	0.094	0.105	0.072	0.094
-0.95	0.60	0.91	0.82	0.003	-0.378	0.134	0.142	0.065	0.102
-0.95	0.50	0.83	0.75	0.020	-0.338	0.124	0.122	0.057	0.090
-0.95	0.40	0.69	0.64	0.027	-0.236	0.120	0.114	0.062	0.097
-0.95	0.30	0.70	0.68	0.003	-0.115	0.107	0.105	0.064	0.109
-0.95	0.20	0.73	0.71	0.005	-0.139	0.117	0.119	0.070	0.082
-0.95	0.10	0.68	0.67	0.008	-0.084	0.184	0.186	0.069	0.104
-0.95	0.00	0.61	0.60	-0.003	-0.027	0.264	0.274	0.070	0.074
-0.95	-0.10	0.62	0.61	0.002	0.027	0.219	0.222	0.069	0.072
-0.95	-0.20	0.72	0.72	0.020	0.005	0.144	0.147	0.072	0.017

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.95	-0.30	0.73	0.72	0.008	0.087	0.117	0.120	0.059	0.070
-0.95	-0.40	0.66	0.64	0.020	0.139	0.115	0.119	0.067	0.074
-0.95	-0.50	0.81	0.81	0.019	0.025	0.191	0.144	0.328	0.067
-0.95	-0.60	0.86	0.85	0.018	0.132	0.515	0.428	0.470	0.114
-0.95	-0.70	0.95	0.93	-0.015	0.084	0.094	0.094	0.064	0.114
-0.95	-0.80	0.97	0.93	-0.037	0.194	0.171	0.217	0.074	0.072
-0.96	0.80	0.90	0.79	-0.045	-0.411	0.118	0.134	0.088	0.092
-0.96	0.70	0.89	0.77	-0.005	-0.421	0.140	0.155	0.070	0.108
-0.96	0.60	0.81	0.71	0.000	-0.354	0.167	0.172	0.062	0.115
-0.96	0.50	0.72	0.65	0.017	-0.280	0.160	0.164	0.067	0.117
-0.96	0.40	0.61	0.57	0.020	-0.179	0.118	0.118	0.070	0.080
-0.96	0.30	0.62	0.59	-0.005	-0.142	0.088	0.088	0.052	0.067
-0.96	0.20	0.61	0.59	-0.007	-0.117	0.123	0.128	0.062	0.075
-0.96	0.10	0.50	0.49	0.002	-0.082	0.164	0.170	0.058	0.070
-0.96	0.00	0.34	0.31	-0.013	-0.010	0.190	0.212	0.075	0.075
-0.96	-0.10	0.44	0.42	-0.002	0.027	0.210	0.219	0.067	0.075
-0.96	-0.20	0.59	0.58	0.000	0.058	0.123	0.130	0.058	0.078
-0.96	-0.30	0.63	0.61	0.000	0.117	0.112	0.115	0.055	0.073
-0.96	-0.40	0.58	0.56	0.007	0.123	0.105	0.110	0.068	0.070
-0.96	-0.50	0.71	0.67	0.027	0.210	0.142	0.144	0.058	0.093
-0.96	-0.60	0.86	0.81	0.002	0.254	0.144	0.157	0.058	0.087
-0.96	-0.70	0.87	0.81	-0.012	0.280	0.150	0.175	0.068	0.085
-0.96	-0.80	0.90	0.85	-0.025	0.250	0.132	0.139	0.062	0.073

Table C-5, Station 10, $\theta = 90°$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.00	1.00	0.99	0.065	-0.020	0.063	0.058	0.122	0.048
0.70	0.00	1.03	1.02	0.058	-0.005	0.055	0.053	0.082	0.042
0.60	0.00	1.05	1.04	0.072	0.000	0.050	0.048	0.063	0.033
0.50	0.00	1.05	1.05	0.080	0.000	0.042	0.040	0.060	0.030
0.40	0.00	1.06	1.06	0.090	0.007	0.035	0.035	0.037	0.023
0.30	0.00	1.08	1.07	0.100	0.007	0.040	0.040	0.028	0.025
0.20	0.00	1.09	1.08	0.112	0.010	0.038	0.038	0.032	0.027
0.10	0.00	1.10	1.09	0.122	0.008	0.037	0.038	0.030	0.018
0.00	0.00	1.11	1.10	0.133	0.008	0.038	0.037	0.038	0.023
-0.10	0.00	1.13	1.12	0.153	0.010	0.040	0.040	0.038	0.023
-0.20	0.00	1.14	1.13	0.167	0.008	0.040	0.040	0.032	0.027
-0.30	0.00	1.15	1.13	0.188	0.010	0.040	0.040	0.035	0.025
-0.40	0.00	1.16	1.15	0.205	0.013	0.040	0.040	0.033	0.023
-0.50	0.00	1.18	1.15	0.235	0.013	0.043	0.043	0.042	0.030
-0.55	0.00	1.16	1.13	0.238	0.020	0.070	0.072	0.050	0.053
-0.60	0.00	1.05	1.02	0.223	0.017	0.140	0.143	0.063	0.082
-0.65	0.00	0.86	0.83	0.197	-0.005	0.138	0.142	0.078	0.090
-0.70	0.00	0.73	0.70	0.158	-0.013	0.113	0.115	0.072	0.092
-0.75	0.00	0.66	0.64	0.130	-0.053	0.093	0.093	0.060	0.087
-0.80	0.00	0.64	0.62	0.090	-0.077	0.093	0.092	0.058	0.092
-0.80	-0.10	0.60	0.59	0.077	0.027	0.093	0.093	0.055	0.077
-0.75	-0.10	0.65	0.63	0.118	0.018	0.100	0.102	0.062	0.085
-0.70	-0.10	0.75	0.73	0.153	0.000	0.123	0.125	0.070	0.083
-0.65	-0.10	0.86	0.83	0.183	-0.018	0.132	0.137	0.073	0.092
-0.60	-0.10	1.05	1.02	0.220	-0.020	0.132	0.137	0.073	0.075
-0.55	-0.10	1.15	1.12	0.230	-0.017	0.067	0.070	0.057	0.052
-0.50	-0.10	1.17	1.15	0.230	-0.008	0.047	0.047	0.038	0.023
-0.40	-0.10	1.16	1.14	0.203	-0.003	0.040	0.040	0.035	0.022
-0.30	-0.10	1.15	1.13	0.180	-0.005	0.037	0.038	0.035	0.020
-0.20	-0.10	1.13	1.12	0.162	0.000	0.040	0.040	0.033	0.020
-0.10	-0.10	1.12	1.11	0.145	-0.002	0.038	0.038	0.030	0.022
0.00	-0.10	1.11	1.10	0.137	0.000	0.038	0.038	0.033	0.020
0.10	-0.10	1.11	1.10	0.122	0.002	0.040	0.040	0.030	0.023
0.20	-0.10	1.08	1.07	0.112	-0.002	0.042	0.042	0.032	0.027
0.30	-0.10	1.07	1.06	0.102	-0.005	0.042	0.042	0.035	0.025
0.40	-0.10	1.07	1.07	0.090	0.000	0.042	0.043	0.035	0.025
0.50	-0.10	1.05	1.05	0.077	-0.002	0.042	0.042	0.035	0.025
0.60	-0.10	1.03	1.03	0.062	-0.007	0.047	0.047	0.045	0.038
0.70	-0.10	1.01	1.01	0.055	-0.012	0.053	0.053	0.057	0.045
0.80	-0.10	0.98	0.97	0.053	-0.013	0.062	0.065	0.102	0.052
0.80	-0.20	1.00	0.99	0.055	-0.015	0.070	0.068	0.105	0.057
0.70	-0.20	1.01	1.00	0.057	-0.012	0.053	0.053	0.092	0.040
0.60	-0.20	1.04	1.04	0.075	-0.013	0.048	0.048	0.050	0.037
0.50	-0.20	1.05	1.05	0.077	-0.007	0.043	0.043	0.043	0.030
0.40	-0.20	1.06	1.05	0.088	-0.005	0.040	0.040	0.035	0.023
0.30	-0.20	1.08	1.07	0.102	-0.018	0.042	0.042	0.033	0.028
0.20	-0.20	1.10	1.09	0.117	-0.017	0.042	0.042	0.043	0.030
0.10	-0.20	1.11	1.10	0.127	-0.015	0.038	0.038	0.045	0.027
0.00	-0.20	1.12	1.11	0.133	-0.013	0.038	0.038	0.050	0.030
-0.10	-0.20	1.12	1.11	0.143	-0.015	0.040	0.040	0.045	0.027
-0.20	-0.20	1.15	1.13	0.160	-0.018	0.042	0.042	0.043	0.025
-0.30	-0.20	1.15	1.14	0.177	-0.025	0.042	0.042	0.035	0.023
-0.40	-0.20	1.17	1.15	0.195	-0.037	0.043	0.045	0.033	0.025
-0.50	-0.20	1.18	1.16	0.213	-0.050	0.048	0.047	0.048	0.027
-0.55	-0.20	1.17	1.15	0.223	-0.058	0.062	0.063	0.048	0.038
-0.60	-0.20	1.04	1.02	0.210	-0.048	0.132	0.135	0.068	0.063
-0.65	-0.20	0.88	0.85	0.190	-0.043	0.127	0.130	0.072	0.080
-0.70	-0.20	0.78	0.75	0.173	-0.003	0.098	0.100	0.072	0.073
-0.75	-0.20	0.72	0.69	0.153	0.038	0.092	0.092	0.063	0.077
-0.80	-0.20	0.67	0.64	0.123	0.073	0.098	0.100	0.068	0.078

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.80	-0.30	0.84	0.82	0.173	0.083	0.083	0.082	0.070	0.068
0.75	-0.30	0.82	0.80	0.158	0.025	0.077	0.077	0.063	0.063
-0.70	-0.30	0.82	0.81	0.148	-0.033	0.085	0.085	0.067	0.068
-0.65	-0.30	0.91	0.89	0.158	-0.075	0.115	0.117	0.073	0.068
-0.60	-0.30	1.06	1.03	0.177	-0.080	0.123	0.125	0.062	0.062
-0.55	-0.30	1.17	1.15	0.197	-0.087	0.065	0.067	0.053	0.042
-0.50	-0.30	1.20	1.18	0.197	-0.070	0.047	0.047	0.042	0.025
-0.40	-0.30	1.18	1.16	0.179	-0.050	0.039	0.039	0.037	0.023
-0.30	-0.30	1.16	1.14	0.171	-0.037	0.039	0.039	0.037	0.025
-0.20	-0.30	1.14	1.13	0.159	-0.030	0.040	0.040	0.035	0.023
-0.10	-0.30	1.14	1.13	0.144	-0.028	0.039	0.037	0.037	0.025
0.00	-0.30	1.11	1.10	0.129	-0.027	0.040	0.040	0.034	0.028
0.10	-0.30	1.11	1.10	0.122	-0.018	0.040	0.039	0.045	0.025
0.20	-0.30	1.09	1.08	0.112	-0.015	0.044	0.044	0.042	0.028
0.30	-0.30	1.08	1.08	0.101	-0.013	0.040	0.040	0.035	0.027
0.40	-0.30	1.06	1.06	0.091	-0.017	0.040	0.040	0.035	0.027
0.50	-0.30	1.06	1.05	0.075	-0.018	0.042	0.042	0.039	0.032
0.60	-0.30	1.04	1.04	0.060	-0.020	0.047	0.047	0.054	0.035
0.70	-0.30	1.02	1.01	0.065	-0.020	0.052	0.052	0.055	0.040
0.80	-0.30	1.00	0.99	0.057	-0.017	0.062	0.059	0.139	0.055
0.80	-0.40	0.99	0.98	0.049	-0.022	0.072	0.065	0.132	0.049
0.70	-0.40	1.02	1.01	0.055	-0.018	0.054	0.052	0.112	0.039
0.60	-0.40	1.04	1.04	0.064	-0.022	0.044	0.044	0.054	0.039
0.50	-0.40	1.05	1.05	0.080	-0.017	0.042	0.042	0.040	0.028
0.40	-0.40	1.07	1.07	0.092	-0.025	0.040	0.040	0.039	0.030
0.30	-0.40	1.08	1.07	0.104	-0.020	0.040	0.040	0.037	0.025
0.20	-0.40	1.09	1.08	0.111	-0.023	0.042	0.042	0.037	0.030
0.10	-0.40	1.10	1.10	0.126	-0.027	0.039	0.039	0.049	0.030
0.00	-0.40	1.12	1.11	0.129	-0.028	0.040	0.040	0.037	0.028
-0.10	-0.40	1.15	1.14	0.142	-0.030	0.039	0.040	0.035	0.027
-0.20	-0.40	1.16	1.15	0.151	-0.035	0.040	0.040	0.035	0.028
-0.30	-0.40	1.16	1.15	0.161	-0.042	0.042	0.042	0.037	0.025
-0.40	-0.40	1.17	1.16	0.166	-0.052	0.040	0.040	0.035	0.025
-0.50	-0.40	1.19	1.17	0.161	-0.065	0.045	0.045	0.044	0.023
-0.55	-0.40	1.19	1.17	0.158	-0.085	0.050	0.050	0.050	0.035
-0.60	-0.40	1.15	1.13	0.146	-0.085	0.082	0.082	0.060	0.050
-0.65	-0.40	1.02	1.01	0.109	-0.070	0.104	0.105	0.062	0.070
0.70	-0.40	0.92	0.91	0.104	-0.038	0.090	0.090	0.062	0.075
-0.75	-0.40	0.90	0.89	0.107	0.005	0.085	0.085	0.072	0.070
-0.80	-0.40	0.90	0.89	0.107	0.057	0.077	0.077	0.069	0.060
-0.80	-0.50	1.01	1.00	0.082	0.025	0.080	0.080	0.067	0.062
-0.75	-0.50	1.03	1.02	0.087	-0.003	0.079	0.080	0.065	0.067
-0.70	-0.50	1.07	1.06	0.087	-0.033	0.089	0.089	0.067	0.069
0.65	-0.50	1.13	1.12	0.105	-0.064	0.075	0.075	0.052	0.057
0.60	-0.50	1.19	1.18	0.122	-0.077	0.052	0.052	0.050	0.037
-0.55	-0.50	1.20	1.19	0.134	-0.072	0.044	0.044	0.045	0.032
-0.50	-0.50	1.18	1.17	0.139	-0.064	0.042	0.042	0.037	0.023
-0.40	-0.50	1.17	1.16	0.149	-0.052	0.040	0.040	0.038	0.023
-0.30	-0.50	1.15	1.14	0.149	-0.045	0.040	0.040	0.038	0.022
-0.20	-0.50	1.14	1.13	0.144	-0.042	0.042	0.042	0.035	0.022
-0.10	-0.50	1.14	1.13	0.136	-0.040	0.038	0.038	0.035	0.027
0.00	-0.50	1.12	1.11	0.129	-0.038	0.038	0.040	0.038	0.028
0.10	-0.50	1.11	1.10	0.119	-0.028	0.038	0.038	0.038	0.022
0.20	-0.50	1.09	1.08	0.114	-0.028	0.038	0.038	0.033	0.027
0.30	-0.50	1.08	1.07	0.104	-0.027	0.040	0.040	0.037	0.025
0.40	-0.50	1.07	1.06	0.089	-0.023	0.042	0.042	0.037	0.027
0.50	-0.50	1.05	1.04	0.079	-0.022	0.040	0.040	0.037	0.028
0.60	-0.50	1.04	1.03	0.075	-0.022	0.038	0.038	0.052	0.035
0.70	0.50	1.03	1.02	0.067	-0.020	0.047	0.047	0.105	0.040
0.80	-0.50	1.00	0.99	0.049	-0.015	0.070	0.065	0.142	0.045

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	-0.60	1.00	0.98	0.060	-0.030	0.069	0.062	0.157	0.045
0.70	-0.60	1.03	1.02	0.072	-0.022	0.059	0.054	0.134	0.037
0.60	-0.60	1.03	1.02	0.079	-0.020	0.047	0.045	0.077	0.035
0.50	-0.60	1.04	1.04	0.075	-0.020	0.044	0.044	0.040	0.033
0.40	-0.60	1.06	1.06	0.090	-0.022	0.038	0.037	0.040	0.028
0.30	-0.60	1.08	1.07	0.097	-0.023	0.040	0.040	0.047	0.025
0.20	-0.60	1.08	1.07	0.110	-0.030	0.040	0.040	0.042	0.028
0.10	-0.60	1.09	1.08	0.121	-0.032	0.042	0.042	0.045	0.028
0.00	-0.60	1.10	1.09	0.126	-0.038	0.038	0.038	0.038	0.027
-0.10	-0.60	1.13	1.12	0.143	-0.042	0.040	0.040	0.042	0.023
-0.20	-0.60	1.14	1.13	0.151	-0.047	0.035	0.035	0.040	0.025
-0.30	-0.60	1.16	1.15	0.153	-0.050	0.044	0.044	0.044	0.023
-0.40	-0.60	1.18	1.17	0.146	-0.055	0.052	0.050	0.040	0.025
-0.50	-0.60	1.21	1.19	0.146	-0.062	0.049	0.049	0.042	0.027
-0.55	-0.60	1.19	1.18	0.133	-0.060	0.047	0.047	0.039	0.027
-0.60	-0.60	1.24	1.23	0.126	-0.069	0.065	0.065	0.040	0.035
-0.65	-0.60	1.19	1.19	0.111	-0.057	0.052	0.052	0.057	0.042
-0.70	-0.60	1.14	1.14	0.099	-0.037	0.062	0.062	0.057	0.049
-0.75	-0.60	1.12	1.11	0.091	-0.003	0.067	0.067	0.064	0.052
-0.80	-0.60	1.09	1.08	0.089	0.035	0.084	0.084	0.060	0.054
-0.80	-0.70	1.15	1.14	0.070	0.030	0.075	0.075	0.060	0.057
-0.75	-0.70	1.15	1.15	0.075	-0.005	0.054	0.054	0.055	0.044
-0.70	-0.70	1.24	1.24	0.089	-0.032	0.099	0.099	0.049	0.035
-0.65	-0.70	1.11	1.11	0.092	-0.035	0.067	0.067	0.057	0.037
-0.60	-0.70	1.19	1.18	0.107	-0.047	0.087	0.087	0.055	0.040
-0.55	-0.70	1.18	1.18	0.116	-0.047	0.049	0.049	0.050	0.034
-0.50	-0.70	1.20	1.19	0.131	-0.040	0.052	0.052	0.057	0.035
-0.40	-0.70	1.17	1.16	0.134	-0.045	0.049	0.050	0.057	0.035
-0.30	-0.70	1.15	1.13	0.146	-0.045	0.054	0.052	0.069	0.040
-0.20	-0.70	1.14	1.13	0.136	-0.047	0.044	0.044	0.069	0.035
-0.10	-0.70	1.10	1.09	0.129	-0.050	0.039	0.039	0.064	0.035
0.00	-0.70	1.11	1.10	0.124	-0.047	0.040	0.040	0.062	0.035
0.10	-0.70	1.09	1.08	0.099	-0.042	0.045	0.044	0.079	0.025
0.20	-0.70	1.08	1.07	0.092	-0.034	0.049	0.049	0.077	0.027
0.30	-0.70	1.06	1.06	0.091	-0.025	0.040	0.040	0.054	0.022
0.40	-0.70	1.05	1.05	0.075	-0.023	0.049	0.049	0.062	0.020
0.50	-0.70	1.04	1.04	0.074	-0.020	0.045	0.042	0.079	0.025
0.60	-0.70	1.03	1.03	0.065	-0.018	0.049	0.047	0.079	0.034
0.70	-0.70	1.03	1.02	0.055	-0.023	0.051	0.048	0.101	0.038
0.80	-0.70	0.99	0.98	0.058	-0.025	0.058	0.058	0.106	0.050
0.80	-0.80	0.99	0.99	0.045	-0.025	0.060	0.056	0.118	0.048
0.70	-0.80	1.03	1.02	0.060	-0.023	0.060	0.055	0.130	0.043
0.60	-0.80	1.04	1.04	0.065	-0.023	0.047	0.045	0.071	0.042
0.50	-0.80	1.06	1.06	0.076	-0.025	0.038	0.038	0.043	0.030
0.40	-0.80	1.05	1.04	0.083	-0.025	0.040	0.040	0.048	0.030
0.30	-0.80	1.06	1.06	0.081	-0.028	0.040	0.040	0.040	0.035
0.20	-0.80	1.07	1.07	0.088	-0.035	0.038	0.038	0.040	0.040
0.10	-0.80	1.08	1.08	0.091	-0.047	0.048	0.048	0.058	0.045
0.00	-0.80	1.10	1.10	0.098	-0.051	0.055	0.055	0.053	0.047
-0.10	-0.80	1.09	1.09	0.093	-0.047	0.055	0.055	0.066	0.058
-0.20	-0.80	1.12	1.11	0.096	-0.047	0.060	0.060	0.080	0.060
-0.30	-0.80	1.13	1.12	0.080	-0.048	0.070	0.070	0.083	0.065
-0.40	-0.80	1.14	1.13	0.065	-0.043	0.071	0.071	0.088	0.066
-0.50	-0.80	1.15	1.14	0.065	-0.032	0.083	0.085	0.085	0.070
-0.55	-0.80	1.15	1.14	0.066	-0.032	0.081	0.083	0.093	0.066
-0.60	-0.80	1.16	1.15	0.053	-0.027	0.076	0.076	0.086	0.071
-0.65	-0.80	1.18	1.18	0.047	-0.028	0.083	0.085	0.085	0.061
-0.70	-0.80	1.16	1.15	0.033	-0.017	0.086	0.086	0.088	0.065
-0.75	-0.80	1.16	1.15	0.013	0.007	0.091	0.093	0.088	0.071
-0.80	-0.80	1.13	1.13	0.003	0.040	0.091	0.093	0.085	0.070

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	-0.85	1.12	1.10	-0.128	0.052	0.103	0.104	0.109	0.079
-0.75	-0.85	1.12	1.11	-0.108	0.020	0.101	0.104	0.109	0.074
-0.70	-0.85	1.10	1.09	-0.084	-0.013	0.096	0.096	0.118	0.076
-0.65	-0.85	1.10	1.09	-0.086	-0.025	0.098	0.099	0.118	0.074
-0.60	-0.85	1.10	1.09	-0.076	-0.029	0.108	0.108	0.119	0.071
-0.55	-0.85	1.11	1.09	-0.067	-0.037	0.093	0.093	0.116	0.076
-0.50	-0.85	1.09	1.09	-0.047	-0.032	0.101	0.101	0.101	0.074
-0.40	-0.85	1.09	1.08	-0.040	-0.045	0.091	0.093	0.106	0.076
-0.30	-0.85	1.10	1.09	-0.025	-0.039	0.076	0.076	0.111	0.082
-0.20	-0.85	1.07	1.07	-0.010	-0.056	0.076	0.076	0.089	0.071
-0.10	-0.85	1.08	1.07	0.010	-0.044	0.072	0.072	0.087	0.061
0.00	-0.85	1.09	1.08	0.032	-0.034	0.066	0.066	0.077	0.057
0.10	-0.85	1.07	1.07	0.050	-0.032	0.054	0.054	0.067	0.047
0.20	-0.85	1.07	1.06	0.059	-0.017	0.054	0.054	0.056	0.037
0.30	-0.85	1.05	1.05	0.066	-0.015	0.050	0.050	0.050	0.039
0.40	-0.85	1.05	1.04	0.066	-0.012	0.045	0.045	0.044	0.032
0.50	-0.85	1.04	1.03	0.059	-0.013	0.044	0.044	0.049	0.034
0.60	-0.85	1.03	1.03	0.072	-0.019	0.052	0.052	0.061	0.032
0.70	-0.85	1.02	1.01	0.061	-0.027	0.050	0.050	0.066	0.045
0.80	-0.85	0.96	0.95	0.039	-0.034	0.062	0.062	0.069	0.052
-0.80	-0.90	1.10	1.07	-0.221	0.077	0.093	0.090	0.113	0.075
-0.75	-0.90	1.08	1.05	-0.223	0.008	0.091	0.091	0.113	0.075
-0.70	-0.90	1.07	1.05	-0.146	-0.010	0.100	0.098	0.135	0.088
-0.65	-0.90	1.08	1.05	-0.189	-0.017	0.105	0.106	0.108	0.078
-0.60	-0.90	1.08	1.05	-0.191	-0.025	0.098	0.100	0.101	0.070
-0.55	-0.90	1.08	1.05	-0.176	-0.028	0.106	0.110	0.111	0.078
-0.50	-0.90	1.08	1.06	-0.159	-0.025	0.105	0.105	0.096	0.075
-0.40	-0.90	1.08	1.06	-0.143	-0.037	0.098	0.096	0.101	0.076
-0.30	-0.90	1.08	1.07	-0.120	-0.037	0.086	0.086	0.091	0.068
-0.20	-0.90	1.08	1.07	-0.106	-0.033	0.090	0.090	0.101	0.065
-0.10	-0.90	1.07	1.07	-0.073	-0.042	0.070	0.070	0.085	0.061
0.00	-0.90	1.08	1.08	-0.045	-0.030	0.068	0.068	0.086	0.058
0.10	-0.90	1.08	1.07	-0.018	-0.032	0.061	0.061	0.075	0.051
0.20	-0.90	1.06	1.05	0.007	-0.023	0.055	0.056	0.073	0.042
0.30	-0.90	1.03	1.03	0.018	-0.010	0.056	0.056	0.063	0.042
0.40	-0.90	1.03	1.03	0.025	-0.017	0.050	0.050	0.065	0.037
0.50	-0.90	1.02	1.02	0.018	-0.012	0.053	0.053	0.070	0.038
0.60	-0.90	1.01	1.01	0.058	-0.015	0.051	0.051	0.063	0.035
0.70	-0.90	0.99	0.99	0.056	-0.018	0.061	0.061	0.063	0.038
0.80	-0.90	0.95	0.95	0.047	-0.020	0.065	0.063	0.086	0.045
-0.80	-0.93	1.04	1.00	-0.256	0.038	0.099	0.106	0.102	0.074
-0.75	-0.93	1.05	1.00	-0.269	0.016	0.097	0.097	0.114	0.073
-0.70	-0.93	1.05	1.01	-0.264	-0.008	0.101	0.101	0.106	0.081
-0.65	-0.93	1.06	1.02	-0.267	-0.013	0.096	0.094	0.106	0.076
-0.60	-0.93	1.06	1.02	-0.249	-0.023	0.099	0.099	0.102	0.073
-0.55	-0.93	1.06	1.03	-0.236	-0.028	0.086	0.087	0.106	0.076
-0.50	-0.93	1.05	1.02	-0.229	-0.025	0.091	0.091	0.109	0.073
-0.40	-0.93	1.06	1.04	-0.214	-0.026	0.084	0.087	0.092	0.066
-0.30	-0.93	1.07	1.04	-0.180	-0.033	0.092	0.091	0.086	0.071
-0.20	-0.93	1.07	1.05	-0.143	-0.033	0.086	0.087	0.091	0.065
-0.10	-0.93	1.05	1.04	-0.117	-0.035	0.076	0.074	0.081	0.066
0.00	-0.93	1.04	1.03	-0.079	-0.033	0.077	0.077	0.076	0.056
0.10	-0.93	1.04	1.03	-0.054	-0.020	0.077	0.077	0.079	0.049
0.20	-0.93	1.04	1.03	-0.038	-0.021	0.068	0.069	0.073	0.049
0.30	-0.93	1.01	1.00	-0.016	-0.013	0.073	0.073	0.079	0.056
0.40	-0.93	1.00	1.00	-0.003	-0.015	0.068	0.069	0.069	0.043
0.50	-0.93	0.99	0.99	-0.010	-0.015	0.064	0.064	0.071	0.048
0.55	-0.93	0.99	0.98	0.068	-0.015	0.066	0.066	0.087	0.038
0.60	-0.93	1.00	0.99	0.073	-0.023	0.063	0.063	0.059	0.041
0.65	-0.93	0.99	0.98	0.061	-0.020	0.066	0.066	0.102	0.043

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	-0.93	0.97	0.97	0.048	-0.016	0.058	0.058	0.076	0.041
0.80	-0.93	0.96	0.95	0.026	-0.021	0.066	0.066	0.101	0.041
0.80	-0.95	1.04	0.98	-0.312	0.025	0.099	0.104	0.097	0.069
-0.75	-0.95	1.05	0.98	-0.332	0.008	0.104	0.101	0.106	0.068
-0.70	-0.95	1.03	0.98	-0.326	-0.005	0.094	0.091	0.094	0.059
-0.65	-0.95	1.04	0.98	-0.311	-0.020	0.097	0.097	0.101	0.069
-0.60	-0.95	1.03	0.99	-0.307	-0.017	0.091	0.093	0.101	0.064
-0.55	-0.95	1.03	0.97	-0.311	-0.015	0.094	0.089	0.101	0.061
-0.50	-0.95	1.05	1.01	-0.278	-0.021	0.081	0.081	0.094	0.064
-0.40	-0.95	1.03	0.99	-0.259	-0.018	0.091	0.096	0.099	0.066
-0.30	-0.95	1.05	1.01	-0.235	-0.028	0.084	0.084	0.088	0.064
-0.20	-0.95	1.04	1.02	-0.205	-0.028	0.083	0.083	0.083	0.056
-0.10	-0.95	1.04	1.03	-0.174	-0.026	0.089	0.089	0.088	0.052
0.00	-0.95	1.03	1.02	-0.142	-0.023	0.088	0.089	0.086	0.061
0.10	-0.95	1.01	1.00	-0.109	-0.030	0.089	0.089	0.089	0.053
0.20	-0.95	0.98	0.97	-0.089	-0.017	0.083	0.084	0.081	0.055
0.30	-0.95	0.97	0.96	-0.058	-0.017	0.088	0.088	0.083	0.048
0.40	-0.95	0.97	0.97	-0.059	-0.020	0.079	0.081	0.074	0.048
0.50	-0.95	0.96	0.96	-0.046	-0.023	0.074	0.074	0.078	0.046
0.60	-0.95	0.95	0.94	0.041	-0.020	0.084	0.081	0.112	0.046
0.70	-0.95	0.96	0.91	-0.012	0.036	0.459	0.492	0.197	0.167
0.80	-0.95	0.92	0.92	0.023	-0.023	0.073	0.073	0.073	0.042
0.30	-0.96	0.99	0.93	-0.339	0.015	0.102	0.105	0.109	0.067
-0.75	-0.96	1.01	0.94	-0.356	0.003	0.105	0.107	0.100	0.067
0.70	-0.96	1.02	0.95	-0.357	-0.012	0.117	0.115	0.115	0.065
0.65	-0.96	1.03	0.96	-0.349	-0.012	0.115	0.119	0.120	0.067
-0.60	-0.96	1.26	0.97	-0.578	-0.008	1.013	0.100	1.148	0.062
-0.55	0.96	1.02	0.96	-0.314	-0.032	0.077	0.090	0.104	0.065
-0.50	-0.96	1.05	1.01	-0.231	0.003	0.130	0.099	0.160	0.080
-0.40	0.96	1.04	1.01	-0.238	-0.010	0.130	0.099	0.160	0.080
-0.30	-0.96	1.05	0.98	-0.363	-0.052	0.023	0.038	0.037	0.005
-0.20	-0.96	0.91	0.87	-0.244	-0.022	0.094	0.065	0.119	0.080
-0.10	-0.96	1.03	1.01	-0.184	-0.010	0.129	0.125	0.094	0.062
0.00	-0.96	1.00	0.98	-0.180	-0.035	0.104	0.100	0.112	0.060
0.10	-0.96	1.01	1.00	-0.110	-0.023	0.109	0.110	0.094	0.055
0.20	-0.96	0.93	0.92	-0.083	-0.010	0.105	0.109	0.077	0.055
0.30	-0.96	0.97	0.89	-0.167	0.002	0.468	0.142	0.573	0.079
0.40	-0.96	0.95	0.95	-0.064	-0.022	0.089	0.089	0.084	0.045
0.50	-0.96	1.10	0.94	-0.227	-0.025	0.719	0.092	0.887	0.033
0.60	-0.96	0.96	0.96	0.070	-0.015	0.085	0.084	0.084	0.043
0.70	-0.96	0.96	0.96	0.070	-0.015	0.085	0.084	0.084	0.043
0.80	-0.96	0.91	0.91	0.038	-0.002	0.074	0.074	0.069	0.040
0.70	0.00	1.00	1.00	0.049	0.013	0.054	0.054	0.053	0.043
0.60	0.00	1.03	1.03	0.051	0.018	0.058	0.058	0.051	0.038
0.50	0.00	1.05	1.05	0.073	0.010	0.043	0.043	0.030	0.028
0.40	0.00	1.07	1.06	0.087	0.015	0.038	0.038	0.026	0.026
0.30	0.00	1.07	1.07	0.096	0.013	0.036	0.036	0.030	0.018
0.20	0.00	1.10	1.09	0.122	0.013	0.041	0.041	0.031	0.018
0.10	0.00	1.11	1.10	0.124	0.013	0.041	0.041	0.028	0.018
0.00	0.00	1.11	1.10	0.132	0.013	0.040	0.041	0.028	0.021
-0.10	0.00	1.11	1.10	0.150	0.015	0.040	0.040	0.026	0.018
0.20	0.00	1.13	1.12	0.167	0.018	0.043	0.043	0.028	0.018
-0.30	0.00	1.14	1.13	0.183	0.023	0.038	0.038	0.028	0.018
-0.40	0.00	1.16	1.14	0.209	0.026	0.040	0.040	0.031	0.016
-0.50	0.00	1.16	1.14	0.239	0.033	0.041	0.041	0.045	0.020
-0.55	0.00	1.17	1.15	0.236	0.036	0.045	0.045	0.061	0.025
-0.60	0.00	1.15	1.12	0.198	0.035	0.077	0.079	0.082	0.053
-0.65	0.00	1.00	0.98	0.175	0.026	0.153	0.158	0.073	0.082
-0.70	0.00	0.82	0.80	0.147	0.012	0.153	0.157	0.066	0.094
-0.75	0.00	0.69	0.67	0.099	-0.007	0.115	0.117	0.059	0.092

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.80	0.00	0.64	0.62	0.051	-0.053	0.092	0.092	0.054	0.087
-0.80	0.10	0.74	0.73	0.104	-0.051	0.097	0.099	0.071	0.094
-0.75	0.10	0.78	0.76	0.140	0.012	0.110	0.110	0.066	0.091
-0.70	0.10	0.84	0.82	0.175	0.059	0.132	0.134	0.074	0.087
-0.65	0.10	1.02	0.99	0.190	0.071	0.143	0.147	0.079	0.077
-0.60	0.10	1.17	1.14	0.209	0.079	0.066	0.064	0.082	0.040
-0.55	0.10	1.19	1.16	0.239	0.073	0.049	0.048	0.063	0.025
-0.50	0.10	1.18	1.15	0.232	0.063	0.043	0.043	0.043	0.018
-0.40	0.10	1.15	1.13	0.204	0.048	0.040	0.040	0.031	0.020
-0.30	0.10	1.15	1.14	0.181	0.033	0.036	0.038	0.031	0.018
-0.20	0.10	1.13	1.11	0.163	0.031	0.040	0.040	0.030	0.020
-0.10	0.10	1.10	1.09	0.145	0.023	0.040	0.040	0.030	0.021
0.00	0.10	1.10	1.07	0.132	0.018	0.040	0.040	0.028	0.018
0.10	0.10	1.11	1.11	0.127	0.021	0.043	0.043	0.033	0.018
0.20	0.10	1.08	1.08	0.107	0.026	0.038	0.036	0.030	0.015
0.30	0.10	1.08	1.07	0.098	0.017	0.040	0.040	0.031	0.021
0.40	0.10	1.06	1.06	0.088	0.018	0.040	0.040	0.035	0.021
0.50	0.10	1.05	1.04	0.076	0.015	0.038	0.038	0.038	0.025
0.60	0.10	1.03	1.03	0.068	0.013	0.046	0.046	0.043	0.031
0.70	0.10	0.99	0.99	0.055	0.008	0.053	0.053	0.046	0.046
0.80	0.10	0.97	0.97	0.043	0.007	0.068	0.066	0.083	0.061
0.80	0.00	0.78	0.78	0.050	0.012	0.074	0.074	0.081	0.058
0.70	0.00	0.99	0.99	0.045	0.018	0.060	0.060	0.055	0.045
0.60	0.00	1.02	1.02	0.060	0.021	0.055	0.056	0.048	0.038
0.50	0.00	1.04	1.04	0.078	0.021	0.043	0.043	0.036	0.026
0.40	0.00	1.06	1.06	0.088	0.025	0.040	0.040	0.036	0.030
0.30	0.00	1.07	1.06	0.098	0.015	0.038	0.038	0.033	0.021
0.20	0.00	1.08	1.08	0.106	0.026	0.040	0.040	0.033	0.018
0.10	0.00	1.08	1.08	0.119	0.021	0.038	0.038	0.031	0.025
0.00	0.00	1.10	1.10	0.131	0.028	0.040	0.040	0.041	0.020
-0.10	0.20	1.11	1.10	0.144	0.031	0.041	0.041	0.031	0.020
-0.20	0.20	1.12	1.11	0.150	0.035	0.038	0.038	0.031	0.020
-0.30	0.20	1.15	1.14	0.170	0.048	0.040	0.040	0.033	0.030
-0.40	0.20	1.15	1.13	0.185	0.056	0.041	0.041	0.038	0.023
-0.50	0.20	1.16	1.14	0.217	0.084	0.040	0.040	0.050	0.020
-0.55	0.20	1.18	1.15	0.217	0.106	0.048	0.048	0.060	0.027
-0.60	0.20	1.17	1.14	0.190	0.119	0.071	0.071	0.084	0.040
-0.65	0.20	1.04	1.01	0.203	0.117	0.129	0.132	0.078	0.066
-0.70	0.20	0.85	0.81	0.218	0.101	0.113	0.114	0.081	0.073
-0.75	0.20	0.84	0.80	0.220	0.043	0.079	0.081	0.083	0.079
-0.80	0.00	0.85	0.82	0.207	-0.053	0.084	0.083	0.084	0.066
0.80	0.30	0.89	0.86	0.197	0.025	0.076	0.079	0.071	0.079
-0.75	0.30	0.90	0.87	0.175	0.091	0.091	0.091	0.073	0.076
-0.70	0.30	0.96	0.94	0.149	0.117	0.106	0.106	0.081	0.074
-0.65	0.30	1.10	1.08	0.127	0.129	0.101	0.103	0.079	0.061
-0.60	0.30	1.18	1.16	0.150	0.134	0.063	0.063	0.081	0.040
-0.55	0.30	1.19	1.17	0.177	0.119	0.045	0.045	0.061	0.021
-0.50	0.30	1.17	1.15	0.183	0.103	0.043	0.043	0.048	0.020
-0.40	0.30	1.18	1.17	0.169	0.073	0.045	0.045	0.038	0.020
-0.30	0.30	1.14	1.13	0.157	0.055	0.043	0.043	0.038	0.023
-0.20	0.30	1.13	1.12	0.152	0.040	0.038	0.040	0.035	0.025
-0.10	0.30	1.11	1.10	0.139	0.040	0.036	0.036	0.036	0.020
0.00	0.30	1.09	1.08	0.126	0.030	0.036	0.036	0.040	0.020
0.10	0.30	1.09	1.09	0.118	0.031	0.040	0.040	0.033	0.021
0.20	0.30	1.09	1.08	0.107	0.035	0.038	0.038	0.036	0.018
0.30	0.30	1.07	1.06	0.098	0.027	0.036	0.035	0.041	0.017
0.40	0.30	1.06	1.05	0.086	0.025	0.038	0.038	0.033	0.020
0.50	0.30	1.05	1.04	0.075	0.027	0.043	0.043	0.038	0.025
0.60	0.30	1.03	1.03	0.065	0.023	0.041	0.041	0.045	0.031
0.70	0.30	0.99	0.99	0.050	0.020	0.050	0.051	0.056	0.043

y	z	$\tilde{U}$rms	$\tilde{U}$	$\tilde{V}$	$\tilde{W}$	U' rms	u'	v'	w'
0.80	0.30	0.97	0.96	0.036	0.017	0.065	0.065	0.066	0.055
0.80	0.40	0.96	0.96	0.033	0.008	0.080	0.080	0.063	0.051
0.70	0.40	1.00	0.99	0.055	0.017	0.061	0.061	0.060	0.046
0.60	0.40	1.03	1.02	0.068	0.020	0.048	0.048	0.043	0.041
0.50	0.40	1.04	1.04	0.076	0.023	0.038	0.038	0.036	0.025
0.40	0.40	1.05	1.04	0.088	0.025	0.036	0.036	0.033	0.023
0.30	0.40	1.06	1.05	0.094	0.025	0.040	0.040	0.033	0.022
0.20	0.40	1.09	1.08	0.103	0.035	0.040	0.040	0.033	0.020
0.10	0.40	1.08	1.07	0.114	0.031	0.036	0.036	0.035	0.020
0.00	0.40	1.10	1.09	0.126	0.035	0.038	0.038	0.031	0.020
-0.10	0.40	1.10	1.09	0.126	0.040	0.040	0.040	0.033	0.023
-0.20	0.40	1.12	1.11	0.138	0.048	0.036	0.036	0.035	0.018
-0.30	0.40	1.13	1.12	0.141	0.058	0.038	0.040	0.031	0.022
-0.40	0.40	1.14	1.13	0.141	0.075	0.036	0.036	0.035	0.020
-0.50	0.40	1.17	1.15	0.149	0.098	0.040	0.040	0.040	0.018
-0.55	0.40	1.17	1.16	0.133	0.108	0.040	0.040	0.045	0.022
-0.60	0.40	1.18	1.17	0.114	0.126	0.041	0.043	0.056	0.025
-0.65	0.40	1.21	1.19	0.095	0.135	0.063	0.065	0.070	0.042
-0.70	0.40	1.07	1.06	0.067	0.112	0.093	0.093	0.067	0.067
-0.75	0.40	0.97	0.96	0.097	0.075	0.093	0.093	0.073	0.068
-0.80	0.40	0.92	0.91	0.115	0.032	0.078	0.078	0.072	0.070
-0.80	0.50	1.03	1.02	0.055	0.053	0.082	0.082	0.067	0.065
-0.75	0.50	1.04	1.03	0.055	0.070	0.085	0.087	0.070	0.058
-0.70	0.50	1.14	1.13	0.057	0.103	0.078	0.077	0.068	0.050
-0.65	0.50	1.18	1.17	0.070	0.127	0.052	0.052	0.057	0.030
-0.60	0.50	1.17	1.16	0.092	0.110	0.038	0.038	0.053	0.023
-0.55	0.50	1.17	1.16	0.105	0.100	0.038	0.038	0.038	0.022
-0.50	0.50	1.16	1.15	0.115	0.090	0.038	0.037	0.037	0.020
-0.40	0.50	1.15	1.14	0.122	0.073	0.038	0.038	0.035	0.020
-0.30	0.50	1.14	1.13	0.123	0.055	0.035	0.035	0.035	0.020
-0.20	0.50	1.12	1.11	0.122	0.048	0.040	0.038	0.037	0.028
-0.10	0.50	1.10	1.09	0.122	0.043	0.037	0.037	0.033	0.018
0.00	0.50	1.09	1.08	0.117	0.037	0.038	0.038	0.033	0.025
0.10	0.50	1.08	1.07	0.108	0.028	0.037	0.037	0.035	0.020
0.20	0.50	1.07	1.07	0.100	0.035	0.037	0.037	0.037	0.033
0.30	0.50	1.07	1.06	0.098	0.033	0.037	0.037	0.035	0.020
0.40	0.50	1.05	1.05	0.083	0.032	0.047	0.047	0.033	0.020
0.50	0.50	1.02	1.01	0.078	0.032	0.058	0.058	0.035	0.022
0.60	0.50	0.96	0.96	0.063	0.027	0.048	0.048	0.043	0.025
0.70	0.50	0.93	0.93	0.052	0.023	0.050	0.050	0.053	0.033
0.80	0.50	0.91	0.90	0.037	0.013	0.058	0.058	0.067	0.042
0.80	0.40	0.92	0.92	0.043	0.025	0.058	0.058	0.058	0.043
0.70	0.60	0.94	0.93	0.053	0.023	0.043	0.043	0.047	0.037
0.60	0.60	0.96	0.95	0.067	0.022	0.037	0.037	0.038	0.025
0.50	0.60	0.97	0.96	0.078	0.027	0.040	0.042	0.038	0.020
0.40	0.60	0.98	0.98	0.083	0.035	0.037	0.037	0.040	0.018
0.30	0.60	0.98	0.98	0.090	0.030	0.035	0.035	0.033	0.018
0.20	0.60	1.03	1.03	0.103	0.043	0.062	0.062	0.035	0.018
0.10	0.60	1.08	1.07	0.108	0.047	0.045	0.045	0.033	0.018
0.00	0.60	1.10	1.09	0.115	0.040	0.040	0.040	0.035	0.022
-0.10	0.60	1.11	1.11	0.105	0.038	0.035	0.035	0.036	0.021
-0.20	0.60	1.12	1.11	0.105	0.044	0.038	0.038	0.033	0.020
-0.30	0.60	1.13	1.12	0.107	0.051	0.035	0.035	0.036	0.018
-0.40	0.60	1.17	1.17	0.104	0.068	0.036	0.036	0.035	0.020
-0.50	0.60	1.18	1.18	0.086	0.091	0.040	0.040	0.035	0.021
-0.55	0.60	1.18	1.17	0.074	0.099	0.036	0.036	0.033	0.020
-0.60	0.60	1.20	1.20	0.066	0.101	0.040	0.040	0.040	0.028
-0.65	0.60	1.20	1.19	0.049	0.091	0.059	0.058	0.046	0.040
-0.70	0.60	1.07	1.07	0.035	0.056	0.069	0.069	0.051	0.049
-0.75	0.60	1.07	1.06	0.025	0.023	0.063	0.063	0.054	0.053

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	0.60	1.05	1.04	0.016	-0.043	0.066	0.066	0.063	0.061
-0.80	0.70	1.13	1.13	-0.003	-0.038	0.071	0.071	0.061	0.059
-0.75	0.70	1.11	1.11	0.003	0.010	0.053	0.053	0.048	0.046
-0.70	0.70	1.13	1.12	0.010	0.049	0.058	0.058	0.044	0.041
-0.65	0.70	1.16	1.16	0.026	0.068	0.051	0.051	0.043	0.031
-0.60	0.70	1.20	1.19	0.043	0.082	0.043	0.043	0.036	0.030
-0.55	0.70	1.17	1.16	0.053	0.081	0.043	0.043	0.035	0.023
-0.50	0.70	1.17	1.16	0.068	0.071	0.040	0.040	0.035	0.023
-0.40	0.70	1.15	1.14	0.082	0.058	0.036	0.036	0.035	0.023
-0.30	0.70	1.15	1.15	0.092	0.043	0.040	0.040	0.035	0.028
-0.20	0.70	1.14	1.14	0.097	0.040	0.046	0.046	0.033	0.023
-0.10	0.70	1.10	1.09	0.099	0.033	0.043	0.043	0.041	0.021
0.00	0.70	1.04	1.04	0.104	0.028	0.053	0.053	0.038	0.021
0.10	0.70	1.01	1.00	0.101	0.016	0.048	0.048	0.036	0.023
0.20	0.70	0.99	0.99	0.092	0.031	0.048	0.048	0.035	0.023
0.30	0.70	0.99	0.98	0.082	0.035	0.044	0.044	0.035	0.020
0.40	0.70	0.99	0.99	0.076	0.028	0.051	0.051	0.031	0.021
0.50	0.70	0.97	0.97	0.069	0.021	0.043	0.043	0.036	0.025
0.60	0.70	0.96	0.95	0.064	0.018	0.040	0.040	0.038	0.023
0.70	0.70	0.97	0.96	0.049	0.017	0.050	0.050	0.054	0.034
0.80	0.70	0.94	0.94	0.044	0.017	0.056	0.056	0.059	0.035
0.80	0.80	0.95	0.95	0.039	0.022	0.057	0.057	0.059	0.037
0.70	0.80	0.97	0.97	0.052	0.024	0.049	0.049	0.049	0.037
0.60	0.80	0.99	0.99	0.064	0.022	0.047	0.047	0.042	0.022
0.50	0.80	0.97	0.98	0.069	0.022	0.045	0.045	0.042	0.029
0.40	0.80	1.01	1.00	0.077	0.024	0.047	0.047	0.052	0.029
0.30	0.80	1.01	1.00	0.074	0.034	0.044	0.044	0.037	0.024
0.20	0.80	1.01	1.00	0.069	0.032	0.045	0.045	0.039	0.027
0.10	0.80	1.01	1.01	0.059	0.025	0.049	0.049	0.040	0.027
0.00	0.80	1.03	1.03	0.071	0.027	0.056	0.056	0.044	0.034
-0.10	0.80	1.07	1.07	0.077	0.035	0.062	0.062	0.045	0.035
-0.20	0.80	1.07	1.07	0.074	0.039	0.054	0.054	0.049	0.044
-0.30	0.80	1.08	1.07	0.074	0.045	0.052	0.052	0.047	0.045
-0.40	0.80	1.17	1.17	0.054	0.049	0.059	0.059	0.059	0.045
-0.50	0.80	1.20	1.19	0.037	0.050	0.056	0.056	0.052	0.054
-0.55	0.80	1.20	1.20	0.022	0.049	0.061	0.061	0.052	0.056
-0.60	0.80	1.19	1.19	0.005	0.056	0.057	0.057	0.064	0.052
-0.65	0.80	1.20	1.19	-0.010	0.052	0.057	0.057	0.054	0.049
-0.70	0.80	1.19	1.18	-0.029	0.030	0.064	0.064	0.064	0.059
-0.75	0.80	1.19	1.19	-0.042	0.008	0.072	0.072	0.071	0.057
-0.80	0.80	1.17	1.16	-0.064	-0.047	0.076	0.077	0.081	0.067
-0.80	0.80	1.21	1.20	-0.074	-0.042	0.076	0.076	0.081	0.067
-0.80	0.70	1.13	1.12	0.005	-0.044	0.057	0.057	0.062	0.069
-0.80	0.60	1.09	1.09	0.032	-0.039	0.071	0.069	0.073	0.059
-0.80	0.50	1.03	1.02	0.044	-0.047	0.079	0.078	0.067	0.078
-0.80	0.40	0.98	0.97	0.073	-0.078	0.069	0.067	0.064	0.086
-0.80	0.30	0.94	0.92	0.138	-0.128	0.091	0.091	0.064	0.079
-0.80	0.20	0.89	0.84	0.231	-0.167	0.101	0.098	0.081	0.087
-0.80	0.10	0.67	0.62	0.164	-0.140	0.126	0.125	0.078	0.106
-0.80	0.00	0.63	0.62	0.071	-0.078	0.096	0.096	0.056	0.086
-0.80	-0.10	0.60	0.59	0.081	0.013	0.081	0.081	0.061	0.078
-0.80	-0.20	0.67	0.64	0.147	0.073	0.106	0.105	0.079	0.083
-0.80	-0.30	0.85	0.82	0.179	0.105	0.071	0.071	0.066	0.064
-0.80	-0.40	0.90	0.89	0.103	0.056	0.067	0.067	0.079	0.057
-0.80	-0.50	1.00	1.00	0.083	0.046	0.078	0.078	0.071	0.054
-0.80	-0.60	1.08	1.07	0.098	0.039	0.073	0.073	0.061	0.061
-0.80	-0.70	1.15	1.14	0.073	0.024	0.067	0.069	0.061	0.059
-0.80	-0.80	1.14	1.14	-0.027	0.046	0.086	0.088	0.100	0.076
-0.85	0.80	1.17	1.16	-0.068	-0.098	0.083	0.083	0.083	0.065
-0.85	0.70	1.14	1.14	0.002	-0.097	0.075	0.075	0.067	0.068

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.85	0.60	1.09	1.07	0.028	-0.143	0.078	0.078	0.070	0.088
-0.85	0.50	1.04	1.02	0.048	-0.123	0.093	0.095	0.070	0.082
-0.85	0.40	1.00	0.98	0.077	-0.160	0.087	0.090	0.075	0.080
-0.85	0.30	0.95	0.91	0.160	-0.180	0.092	0.093	0.072	0.080
-0.85	0.20	0.80	0.74	0.185	-0.183	0.127	0.127	0.082	0.113
-0.85	0.10	0.60	0.56	0.098	-0.132	0.128	0.127	0.075	0.103
-0.85	0.00	0.58	0.57	0.020	-0.065	0.082	0.082	0.053	0.080
-0.85	-0.10	0.54	0.53	0.022	0.015	0.082	0.082	0.058	0.083
-0.85	-0.20	0.59	0.56	0.092	0.090	0.122	0.122	0.075	0.105
-0.85	-0.30	0.82	0.79	0.157	0.138	0.095	0.093	0.072	0.075
-0.85	-0.40	0.92	0.90	0.123	0.105	0.087	0.087	0.068	0.065
-0.85	-0.50	1.00	0.99	0.093	0.077	0.080	0.080	0.058	0.065
-0.85	-0.60	1.06	1.05	0.085	0.072	0.080	0.082	0.067	0.060
-0.85	-0.70	1.09	1.08	0.053	0.075	0.078	0.080	0.067	0.063
-0.85	-0.80	1.10	1.09	-0.037	0.095	0.090	0.092	0.097	0.080
-0.90	0.80	1.10	1.07	-0.062	-0.244	0.100	0.100	0.088	0.078
-0.90	0.70	1.10	1.06	-0.008	-0.259	0.098	0.100	0.073	0.085
-0.90	0.60	1.08	1.04	0.025	-0.281	0.101	0.105	0.075	0.093
-0.90	0.50	1.05	1.00	0.035	-0.284	0.095	0.101	0.081	0.100
-0.90	0.40	1.00	0.95	0.083	-0.279	0.101	0.110	0.071	0.100
-0.90	0.30	0.88	0.82	0.153	-0.263	0.118	0.118	0.078	0.095
-0.90	0.20	0.64	0.58	0.126	-0.183	0.145	0.141	0.090	0.140
-0.90	0.10	0.45	0.42	0.058	-0.081	0.113	0.108	0.071	0.110
-0.90	0.00	0.53	0.52	0.000	-0.048	0.078	0.076	0.058	0.068
-0.90	-0.10	0.49	0.48	0.000	-0.010	0.075	0.073	0.073	0.065
-0.90	-0.20	0.43	0.40	0.063	0.052	0.115	0.110	0.101	0.091
-0.90	-0.30	0.65	0.61	0.098	0.115	0.136	0.143	0.081	0.123
-0.90	-0.40	0.86	0.83	0.126	0.168	0.103	0.105	0.073	0.080
-0.90	-0.50	0.93	0.91	0.081	0.176	0.096	0.098	0.065	0.083
-0.90	-0.60	0.96	0.93	0.063	0.186	0.111	0.111	0.066	0.091
-0.90	-0.70	1.00	0.97	0.038	0.193	0.093	0.093	0.078	0.091
-0.90	-0.80	1.03	1.00	-0.048	0.234	0.093	0.095	0.096	0.080
-0.93	0.80	1.08	1.03	-0.047	-0.288	0.094	0.096	0.098	0.069
-0.93	0.70	1.03	0.96	0.013	-0.338	0.108	0.113	0.084	0.091
-0.93	0.60	1.05	0.98	0.017	-0.367	0.108	0.113	0.071	0.087
-0.93	0.50	1.02	0.97	0.035	-0.374	0.103	0.101	0.069	0.099
-0.93	0.40	1.01	0.94	0.069	-0.348	0.106	0.104	0.082	0.096
-0.93	0.30	0.86	0.79	0.123	-0.283	0.133	0.131	0.077	0.090
-0.93	0.20	0.55	0.49	0.079	-0.163	0.168	0.167	0.089	0.146
-0.93	0.10	0.41	0.39	0.049	-0.052	0.106	0.108	0.062	0.096
-0.93	0.00	0.49	0.48	-0.003	-0.015	0.084	0.084	0.071	0.066
-0.93	-0.10	0.46	0.45	-0.010	-0.029	0.081	0.081	0.059	0.067
-0.93	-0.20	0.36	0.34	0.019	0.002	0.106	0.108	0.061	0.103
-0.93	-0.30	0.56	0.53	0.074	0.091	0.153	0.156	0.086	0.125
-0.93	-0.40	0.77	0.73	0.081	0.167	0.126	0.126	0.069	0.106
-0.93	-0.50	0.88	0.85	0.076	0.195	0.114	0.119	0.074	0.094
-0.93	-0.60	0.93	0.89	0.047	0.236	0.098	0.103	0.072	0.093
-0.93	-0.70	0.97	0.92	0.029	0.271	0.103	0.106	0.082	0.089
-0.93	-0.80	1.01	0.96	-0.029	0.284	0.106	0.109	0.086	0.077
-0.95	0.80	1.01	0.94	-0.047	-0.330	0.121	0.127	0.097	0.091
-0.95	0.70	0.97	0.89	0.005	-0.359	0.144	0.141	0.084	0.096
-0.95	0.60	0.95	0.85	0.023	-0.419	0.092	0.097	0.067	0.094
-0.95	0.50	0.95	0.85	0.037	-0.391	0.116	0.114	0.064	0.097
-0.95	0.40	0.84	0.75	0.069	-0.345	0.127	0.124	0.077	0.099
-0.95	0.30	0.67	0.58	0.085	-0.278	0.153	0.156	0.079	0.126
-0.95	0.20	0.44	0.39	0.028	-0.099	0.168	0.161	0.097	0.153
-0.95	0.10	0.38	0.36	0.013	-0.018	0.122	0.124	0.065	0.093
-0.95	0.00	0.47	0.46	-0.013	-0.007	0.083	0.084	0.054	0.070
-0.95	-0.10	0.44	0.44	-0.017	-0.017	0.080	0.080	0.049	0.055
-0.95	-0.20	0.33	0.31	0.003	0.000	0.099	0.109	0.060	0.093
-0.95	-0.30	0.54	0.51	0.034	0.087	0.139	0.146	0.079	0.136
-0.95	-0.40	0.76	0.72	0.062	0.183	0.127	0.127	0.080	0.104
-0.95	-0.50	0.86	0.82	0.049	0.223	0.102	0.103	0.067	0.097
-0.95	-0.60	0.92	0.87	0.042	0.267	0.104	0.109	0.085	0.097
-0.95	-0.70	0.96	0.91	0.027	0.300	0.107	0.116	0.080	0.087
-0.95	-0.80	1.00	0.95	-0.018	0.307	0.112	0.117	0.082	0.079

Table C-6, Station 11, X(H) = + 1.0 Exit

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	0.00	1.06	1.05	0.008	0.007	0.059	0.059	0.061	0.044
0.70	0.00	1.08	1.08	0.013	0.005	0.046	0.046	0.051	0.038
0.60	0.00	1.09	1.09	0.011	0.008	0.041	0.043	0.043	0.028
0.50	0.00	1.09	1.09	0.016	0.011	0.041	0.041	0.041	0.026
0.40	0.00	1.10	1.10	0.021	0.013	0.038	0.038	0.034	0.021
0.30	0.00	1.10	1.10	0.028	0.016	0.043	0.041	0.034	0.015
0.20	0.00	1.12	1.12	0.033	0.018	0.036	0.036	0.033	0.016
0.10	0.00	1.12	1.12	0.039	0.018	0.036	0.036	0.041	0.015
0.00	0.00	1.13	1.12	0.049	0.016	0.039	0.039	0.033	0.031
-0.10	0.00	1.11	1.10	0.062	0.023	0.046	0.046	0.039	0.020
-0.20	0.00	1.07	1.06	0.079	0.028	0.084	0.084	0.074	0.056
-0.30	0.00	0.85	0.84	0.070	0.007	0.147	0.151	0.103	0.093
-0.40	0.00	0.58	0.56	0.062	0.018	0.111	0.113	0.108	0.087
-0.50	0.00	0.50	0.47	0.110	0.049	0.090	0.092	0.095	0.079
-0.55	0.00	0.50	0.47	0.115	0.057	0.102	0.100	0.111	0.090
-0.60	0.00	0.54	0.50	0.126	0.036	0.110	0.110	0.110	0.105
-0.65	0.00	0.56	0.52	0.152	0.020	0.129	0.128	0.124	0.105
-0.70	0.00	0.61	0.56	0.165	-0.016	0.144	0.147	0.124	0.133
-0.75	0.00	0.69	0.63	0.169	-0.100	0.138	0.141	0.118	0.128
-0.80	0.00	0.74	0.68	0.160	-0.138	0.146	0.149	0.110	0.128
-0.80	-0.10	0.56	0.48	0.211	-0.020	0.136	0.138	0.110	0.162
-0.75	-0.10	0.56	0.48	0.231	-0.013	0.131	0.129	0.118	0.144
-0.70	-0.10	0.51	0.44	0.198	-0.013	0.111	0.108	0.113	0.124
-0.65	-0.10	0.50	0.44	0.182	-0.016	0.103	0.098	0.115	0.121
-0.60	-0.10	0.47	0.42	0.141	0.013	0.092	0.088	0.103	0.095
-0.55	-0.10	0.47	0.44	0.110	0.015	0.087	0.087	0.085	0.077
-0.50	-0.10	0.50	0.48	0.092	0.011	0.092	0.092	0.079	0.079
-0.40	-0.10	0.62	0.60	0.070	-0.010	0.113	0.113	0.103	0.082
-0.30	-0.10	0.86	0.84	0.082	0.003	0.141	0.144	0.106	0.090
-0.20	-0.10	1.08	1.08	0.082	-0.002	0.074	0.074	0.069	0.054
-0.10	-0.10	1.09	1.09	0.067	0.002	0.047	0.047	0.039	0.021
0.00	-0.10	1.10	1.10	0.056	0.008	0.038	0.038	0.034	0.018
0.10	-0.10	1.10	1.10	0.046	0.007	0.037	0.037	0.037	0.021
0.20	-0.10	1.12	1.11	0.039	0.007	0.039	0.039	0.029	0.024
0.30	-0.10	1.08	1.08	0.024	0.010	0.037	0.037	0.031	0.016
0.40	-0.10	1.08	1.08	0.020	0.008	0.039	0.039	0.034	0.021
0.50	-0.10	1.09	1.09	0.020	0.008	0.042	0.042	0.034	0.021
0.60	-0.10	1.06	1.06	0.013	0.005	0.044	0.044	0.046	0.026
0.70	-0.10	1.06	1.06	0.000	0.000	0.057	0.057	0.057	0.036
0.80	-0.10	1.05	1.04	0.003	0.002	0.057	0.059	0.067	0.047
0.80	-0.20	1.05	1.05	0.007	-0.002	0.055	0.055	0.067	0.046
0.70	-0.20	1.06	1.06	0.013	0.002	0.055	0.055	0.055	0.033
0.60	-0.20	1.09	1.09	0.010	-0.002	0.047	0.047	0.046	0.026
0.50	-0.20	1.08	1.08	0.018	-0.002	0.041	0.041	0.037	0.023
0.40	-0.20	1.08	1.08	0.021	0.002	0.039	0.039	0.034	0.021
0.30	-0.20	1.09	1.09	0.028	0.003	0.036	0.036	0.033	0.016
0.20	-0.20	1.09	1.09	0.037	-0.002	0.041	0.041	0.033	0.018
0.10	-0.20	1.08	1.08	0.039	-0.003	0.039	0.039	0.033	0.020
0.00	-0.20	1.09	1.09	0.054	-0.008	0.042	0.042	0.033	0.021
-0.10	-0.20	1.10	1.10	0.063	-0.015	0.044	0.044	0.036	0.029
-0.20	-0.20	1.10	1.10	0.078	-0.021	0.065	0.065	0.062	0.046
-0.30	-0.20	0.90	0.80	0.081	-0.023	0.143	0.147	0.096	0.083
-0.40	-0.20	0.65	0.63	0.067	-0.037	0.103	0.106	0.094	0.078
-0.50	-0.20	0.55	0.53	0.080	-0.031	0.090	0.091	0.085	0.077
-0.55	-0.20	0.52	0.50	0.083	-0.034	0.091	0.093	0.083	0.078
-0.60	-0.20	0.52	0.49	0.104	-0.041	0.098	0.099	0.096	0.083
-0.65	-0.20	0.52	0.49	0.119	-0.028	0.098	0.101	0.103	0.090
-0.70	-0.20	0.59	0.55	0.130	-0.013	0.120	0.125	0.114	0.099
-0.75	-0.20	0.63	0.59	0.151	0.028	0.114	0.120	0.112	0.107
-0.80	-0.20	0.70	0.65	0.161	0.083	0.133	0.132	0.103	0.119

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.30	0.77	0.75	0.068	-0.078	0.096	0.098	0.088	0.083
-0.75	-0.30	0.71	0.70	0.062	0.026	0.109	0.111	0.098	0.088
-0.70	-0.30	0.66	0.65	0.047	-0.016	0.112	0.116	0.104	0.086
-0.65	-0.30	0.63	0.61	0.059	-0.037	0.111	0.114	0.094	0.088
-0.60	-0.30	0.639	0.61	0.063	-0.039	0.109	0.112	0.096	0.080
-0.55	-0.30	0.63	0.61	0.060	-0.046	0.103	0.106	0.090	0.073
-0.50	-0.30	0.64	0.62	0.065	-0.054	0.098	0.101	0.085	0.080
-0.40	-0.30	0.80	0.78	0.044	-0.041	0.122	0.123	0.096	0.091
-0.30	-0.30	0.96	0.95	0.060	-0.054	0.110	0.112	0.091	0.081
-0.20	-0.30	1.09	1.08	-0.065	-0.041	0.057	0.057	0.055	0.041
-0.10	-0.30	1.09	1.09	0.057	-0.029	0.041	0.041	0.036	0.023
0.00	-0.30	1.09	1.08	0.047	-0.018	0.036	0.036	0.032	0.018
0.10	-0.30	1.09	1.09	-0.041	-0.013	0.041	0.041	0.031	0.018
0.20	-0.30	1.09	1.09	0.036	-0.006	0.037	0.037	0.037	0.019
0.30	-0.30	1.08	1.08	0.031	-0.002	0.037	0.037	0.031	0.021
0.40	-0.30	1.07	1.07	0.024	-0.002	0.037	0.037	0.034	0.019
0.50	-0.30	1.08	1.08	0.019	-0.002	0.039	0.039	0.036	0.021
0.60	-0.30	1.06	1.06	0.010	-0.005	0.049	0.050	0.047	0.028
0.70	-0.30	1.06	1.06	0.008	-0.003	0.049	0.049	0.063	0.037
0.80	-0.30	1.04	1.04	0.015	0.002	0.058	0.058	0.071	0.044
0.80	-0.40	1.06	1.05	0.005	0.005	0.062	0.062	0.063	0.037
0.70	-0.40	1.06	1.06	0.013	-0.000	0.050	0.050	0.067	0.034
0.60	-0.40	1.08	1.08	0.018	-0.003	0.044	0.045	0.047	0.024
0.50	-0.40	1.09	1.09	0.015	-0.005	0.041	0.041	0.054	0.026
0.40	-0.40	1.09	1.09	0.023	-0.006	0.037	0.037	0.039	0.023
0.30	-0.40	1.09	1.09	0.034	-0.013	0.041	0.039	0.036	0.021
0.20	-0.40	1.08	1.08	0.026	-0.013	0.041	0.039	0.044	0.021
0.10	-0.40	1.08	1.08	0.039	-0.016	0.039	0.037	0.041	0.018
0.00	-0.40	1.09	1.09	0.042	-0.023	0.039	0.039	0.031	0.019
-0.10	-0.40	1.08	1.08	0.044	-0.032	0.042	0.042	0.036	0.024
-0.20	-0.40	1.10	1.09	0.052	-0.044	0.045	0.045	0.044	0.026
-0.30	-0.40	1.05	1.04	0.044	-0.054	0.068	0.070	0.063	0.057
-0.40	-0.40	0.87	0.86	0.037	-0.058	0.107	0.110	0.081	0.080
-0.50	-0.40	0.77	0.76	0.023	-0.057	0.104	0.106	0.093	0.071
-0.55	-0.40	0.74	0.73	0.021	-0.050	0.093	0.093	0.091	0.067
-0.60	-0.40	0.74	0.73	0.011	-0.045	0.091	0.093	0.084	0.065
-0.65	-0.40	0.76	0.75	0.008	-0.035	0.094	0.098	0.089	0.064
-0.70	-0.40	0.79	0.79	0.007	-0.003	0.093	0.094	0.081	0.066
-0.75	-0.40	0.81	0.80	-0.003	0.040	0.093	0.094	0.078	0.071
-0.80	-0.40	0.84	0.83	-0.012	0.094	0.084	0.084	0.073	0.069
-0.80	-0.50	0.92	0.91	-0.035	0.078	0.074	0.074	0.068	0.063
-0.75	-0.50	0.90	0.89	-0.038	0.036	0.073	0.073	0.068	0.060
-0.70	-0.50	0.89	0.88	-0.035	0.000	0.081	0.081	0.079	0.060
-0.65	-0.50	0.87	0.88	-0.025	-0.020	0.081	0.083	0.076	0.061
-0.60	-0.50	0.90	0.90	-0.021	-0.031	0.088	0.089	0.084	0.066
-0.55	-0.50	0.90	0.89	-0.013	-0.045	0.096	0.098	0.081	0.073
-0.50	-0.50	0.93	0.93	-0.000	-0.050	0.101	0.103	0.073	0.074
-0.40	-0.50	1.05	1.04	-0.017	-0.063	0.088	0.089	0.063	0.060
-0.30	-0.50	1.11	1.11	-0.031	-0.058	0.050	0.050	0.038	0.036
-0.20	-0.50	1.11	1.11	-0.038	-0.048	0.040	0.040	0.031	0.025
-0.10	-0.50	1.11	1.11	-0.040	-0.033	0.040	0.040	0.030	0.021
0.00	-0.50	1.10	1.10	-0.036	-0.025	0.038	0.038	0.028	0.020
0.10	-0.50	1.10	1.09	-0.030	-0.020	0.035	0.035	0.031	0.018
0.20	-0.50	1.10	1.10	-0.030	-0.013	0.038	0.038	0.031	0.021
0.30	-0.50	1.10	1.10	-0.025	-0.008	0.038	0.036	0.030	0.026
0.40	-0.50	1.09	1.09	-0.023	-0.007	0.040	0.040	0.033	0.025
0.50	-0.50	1.10	1.09	-0.023	-0.010	0.043	0.043	0.035	0.023
0.60	-0.50	1.08	1.08	-0.021	-0.007	0.043	0.043	0.046	0.028
0.70	-0.50	1.08	1.08	-0.018	-0.007	0.051	0.051	0.061	0.025
0.80	-0.50	1.06	1.06	-0.013	-0.007	0.058	0.058	0.060	0.041

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	-0.60	1.08	1.08	0.017	-0.013	0.060	0.060	0.053	0.038
0.70	-0.60	1.10	1.10	0.015	-0.008	0.046	0.046	0.060	0.033
0.60	-0.60	1.10	1.10	0.028	-0.010	0.046	0.046	0.055	0.025
0.50	-0.60	1.10	1.10	0.020	-0.008	0.045	0.045	0.041	0.025
0.40	-0.60	1.11	1.10	0.021	-0.012	0.041	0.041	0.036	0.023
0.30	-0.60	1.11	1.11	0.028	-0.018	0.046	0.046	0.028	0.018
0.20	-0.60	1.11	1.11	0.028	-0.018	0.045	0.045	0.033	0.018
0.10	-0.60	1.11	1.11	0.026	-0.023	0.036	0.036	0.038	0.018
0.00	-0.60	1.11	1.11	0.035	-0.028	0.040	0.040	0.040	0.020
-0.10	-0.60	1.13	1.13	0.039	-0.023	0.032	0.032	0.027	0.030
-0.20	-0.60	1.11	1.11	0.037	-0.032	0.039	0.039	0.027	0.023
-0.30	-0.60	1.12	1.11	0.025	-0.044	0.035	0.035	0.030	0.034
-0.40	-0.60	1.12	1.12	0.012	-0.050	0.039	0.039	0.032	0.039
-0.50	-0.60	1.10	1.09	-0.010	-0.045	0.060	0.060	0.044	0.049
-0.55	-0.60	1.07	1.06	-0.010	-0.035	0.069	0.070	0.049	0.052
-0.60	-0.60	1.03	1.02	-0.022	-0.027	0.076	0.077	0.059	0.055
-0.65	-0.60	1.01	1.01	-0.025	-0.010	0.077	0.079	0.064	0.055
-0.70	-0.60	0.99	0.98	-0.025	0.010	0.072	0.077	0.055	0.052
-0.75	-0.60	0.98	0.97	-0.029	0.040	0.065	0.065	0.057	0.052
-0.80	-0.60	0.96	0.96	-0.027	0.081	0.069	0.069	0.059	0.059
-0.00	-0.70	1.05	1.05	-0.030	0.065	0.059	0.059	0.049	0.052
-0.75	-0.70	1.04	1.04	-0.032	0.030	0.062	0.062	0.044	0.047
-0.70	-0.70	1.06	1.05	-0.032	0.007	0.064	0.064	0.047	0.042
-0.65	-0.70	1.08	1.08	-0.025	-0.005	0.054	0.054	0.040	0.042
-0.60	-0.70	1.10	1.10	-0.017	-0.017	0.047	0.047	0.037	0.039
-0.55	-0.70	1.12	1.11	-0.013	-0.029	0.042	0.042	0.034	0.039
-0.50	-0.70	1.12	1.11	-0.002	-0.032	0.042	0.042	0.039	0.035
-0.40	-0.70	1.11	1.11	0.010	-0.039	0.040	0.040	0.032	0.029
-0.30	-0.70	1.11	1.11	0.022	-0.034	0.039	0.039	0.030	0.027
-0.20	-0.70	1.11	1.10	0.029	-0.034	0.039	0.039	0.030	0.027
-0.10	-0.70	1.10	1.10	0.035	-0.029	0.035	0.035	0.030	0.025
0.00	-0.70	1.10	1.10	0.030	-0.023	0.037	0.037	0.030	0.027
0.10	-0.70	1.10	1.09	0.032	-0.017	0.042	0.042	0.029	0.020
0.20	-0.70	1.10	1.10	0.032	-0.013	0.037	0.037	0.030	0.025
0.30	-0.70	1.10	1.10	0.035	-0.015	0.045	0.045	0.034	0.025
0.40	-0.70	1.09	1.09	0.030	-0.008	0.045	0.045	0.034	0.030
0.50	-0.70	1.09	1.09	0.029	-0.010	0.040	0.040	0.034	0.029
0.60	-0.70	1.08	1.08	0.030	-0.010	0.054	0.054	0.047	0.030
0.70	-0.70	1.08	1.08	0.022	-0.008	0.057	0.057	0.057	0.037
0.80	-0.70	1.06	1.06	0.019	-0.005	0.056	0.056	0.056	0.044
0.80	-0.80	1.06	1.06	0.022	-0.022	0.064	0.064	0.066	0.044
0.70	-0.80	1.09	1.08	0.019	-0.008	0.054	0.052	0.087	0.075
0.60	-0.80	1.10	1.10	0.019	-0.013	0.049	0.049	0.072	0.030
0.50	-0.80	1.10	1.10	0.022	-0.012	0.047	0.047	0.039	0.032
0.40	-0.80	1.11	1.11	0.020	-0.010	0.042	0.042	0.047	0.032
0.30	-0.80	1.11	1.11	0.020	-0.010	0.044	0.044	0.047	0.030
0.20	-0.80	1.11	1.11	0.017	-0.012	0.042	0.042	0.039	0.032
0.10	-0.80	1.11	1.11	0.017	-0.019	0.044	0.044	0.042	0.032
0.00	-0.80	1.10	1.09	0.013	-0.024	0.049	0.049	0.039	0.039
-0.10	-0.80	1.10	1.10	0.007	-0.027	0.050	0.050	0.047	0.042
-0.20	-0.80	1.10	1.09	0.000	-0.034	0.056	0.056	0.049	0.047
-0.30	-0.80	1.10	1.10	-0.015	-0.032	0.057	0.059	0.057	0.052
-0.40	-0.80	1.10	1.10	-0.022	-0.027	0.054	0.056	0.056	0.047
-0.50	-0.80	1.10	1.10	-0.039	-0.022	0.057	0.059	0.061	0.045
-0.55	-0.80	1.10	1.09	-0.047	-0.015	0.064	0.064	0.064	0.054
-0.60	-0.80	1.09	1.09	-0.057	-0.007	0.064	0.064	0.062	0.056
-0.65	-0.80	1.09	1.08	-0.056	-0.003	0.061	0.061	0.059	0.054
-0.70	-0.80	1.07	1.07	-0.067	0.024	0.067	0.067	0.066	0.054
-0.75	-0.80	1.05	1.04	-0.072	0.042	0.069	0.069	0.069	0.057
-0.80	-0.80	1.02	1.01	-0.072	0.082	0.071	0.072	0.069	0.062

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	-0.85	1.05	1.04	-0.118	0.079	0.081	0.083	0.076	0.062
-0.75	-0.85	1.05	1.04	-0.118	0.051	0.084	0.084	0.081	0.064
-0.70	-0.85	1.06	1.04	-0.111	0.027	0.076	0.076	0.084	0.059
-0.65	-0.85	1.08	1.07	-0.111	0.005	0.076	0.076	0.084	0.066
-0.60	-0.85	1.08	1.08	-0.091	-0.007	0.074	0.072	0.079	0.062
-0.55	-0.85	1.08	1.07	-0.093	-0.005	0.078	0.078	0.069	0.069
-0.50	-0.85	1.09	1.08	-0.076	-0.024	0.074	0.072	0.083	0.059
-0.40	-0.85	1.07	1.07	-0.069	-0.017	0.071	0.072	0.076	0.061
-0.30	-0.85	1.08	1.08	-0.061	-0.020	0.067	0.067	0.067	0.061
-0.20	-0.85	1.08	1.08	-0.042	-0.024	0.059	0.061	0.071	0.052
-0.10	-0.85	1.09	1.09	-0.029	-0.022	0.066	0.066	0.061	0.056
0.00	-0.85	1.09	1.08	-0.015	-0.015	0.051	0.051	0.054	0.046
0.10	-0.85	1.09	1.09	-0.005	-0.017	0.052	0.052	0.052	0.042
0.20	-0.85	1.08	1.08	-0.003	-0.008	0.054	0.054	0.054	0.040
0.30	-0.85	1.07	1.07	0.003	-0.010	0.052	0.052	0.051	0.035
0.40	-0.85	1.08	1.08	0.015	-0.008	0.047	0.047	0.042	0.034
0.50	-0.85	1.08	1.08	0.015	-0.005	0.051	0.052	0.044	0.034
0.60	-0.85	1.08	1.08	0.024	-0.019	0.046	0.046	0.061	0.039
0.70	-0.85	1.07	1.07	0.032	-0.013	0.057	0.056	0.069	0.039
0.80	-0.85	1.05	1.04	0.015	-0.019	0.064	0.064	0.078	0.051
-0.80	-0.90	1.01	1.01	-0.153	0.063	0.093	0.095	0.010	0.058
-0.75	-0.90	1.01	0.99	-0.161	0.042	0.086	0.086	0.088	0.073
-0.70	-0.90	1.02	1.00	-0.151	0.027	0.105	0.103	0.088	0.070
-0.65	-0.90	1.04	1.03	-0.155	0.012	0.090	0.090	0.080	0.068
-0.60	-0.90	1.04	1.02	-0.153	-0.002	0.083	0.081	0.077	0.065
-0.55	-0.90	1.01	0.99	-0.155	-0.012	0.070	0.068	0.088	0.060
-0.50	-0.90	1.07	1.06	-0.143	-0.022	0.100	0.100	0.081	0.060
-0.40	-0.90	1.08	1.07	-0.138	-0.017	0.088	0.088	0.081	0.058
-0.30	-0.90	1.08	1.07	-0.116	-0.023	0.081	0.080	0.075	0.063
-0.20	-0.90	1.08	1.07	-0.091	-0.023	0.087	0.085	0.067	0.060
-0.10	-0.90	1.07	1.07	-0.085	-0.012	0.060	0.060	0.068	0.050
0.00	-0.90	1.06	1.06	0.067	-0.013	0.070	0.072	0.068	0.050
0.10	-0.90	1.09	1.09	-0.058	-0.015	0.067	0.068	0.068	0.047
0.20	-0.90	1.05	1.04	-0.037	-0.013	0.073	0.073	0.063	0.043
0.30	-0.90	1.06	1.06	-0.035	-0.010	0.063	0.062	0.055	0.045
0.40	-0.90	1.06	1.06	-0.020	-0.005	0.063	0.065	0.057	0.041
0.50	-0.90	1.07	1.07	-0.020	-0.013	0.073	0.073	0.062	0.040
0.60	-0.90	1.06	1.06	0.017	-0.015	0.072	0.072	0.040	0.035
0.70	-0.90	1.06	1.06	0.022	-0.010	0.062	0.062	0.057	0.042
0.80	-0.90	1.03	1.03	0.008	-0.013	0.065	0.065	0.057	0.028
-0.80	-0.93	0.91	0.89	-0.168	0.057	0.095	0.096	0.088	0.070
-0.75	-0.93	0.93	0.91	-0.167	0.028	0.080	0.080	0.078	0.054
-0.70	-0.93	0.97	0.95	-0.196	0.013	0.096	0.096	0.082	0.059
-0.65	-0.93	0.98	0.96	-0.193	0.003	0.095	0.096	0.072	0.062
-0.60	-0.93	0.97	0.95	-0.183	-0.010	0.078	0.078	0.080	0.060
-0.55	-0.93	0.97	0.95	-0.186	-0.009	0.083	0.085	0.080	0.059
-0.50	-0.93	0.99	0.97	-0.185	-0.011	0.083	0.083	0.088	0.057
-0.40	-0.93	1.02	1.00	-0.170	-0.016	0.080	0.080	0.082	0.049
-0.30	-0.93	1.01	1.00	-0.114	-0.016	0.080	0.082	0.095	0.056
-0.20	-0.93	1.01	1.00	-0.134	-0.023	0.072	0.074	0.075	0.057
-0.10	-0.93	1.01	1.00	-0.114	-0.018	0.083	0.083	0.074	0.051
0.00	-0.93	1.00	0.99	-0.085	-0.013	0.080	0.082	0.064	0.044
0.10	-0.93	0.98	0.98	-0.078	-0.010	0.082	0.083	0.064	0.047
0.20	-0.93	1.01	1.00	-0.074	-0.012	0.082	0.080	0.069	0.044
0.30	-0.93	0.99	0.98	-0.047	-0.007	0.070	0.070	0.060	0.047
0.40	-0.93	1.03	1.03	-0.078	-0.002	0.077	0.077	0.057	0.042
0.50	-0.93	1.02	1.02	-0.042	-0.005	0.080	0.080	0.056	0.036
0.55	-0.93	1.00	1.00	-0.042	-0.010	0.067	0.067	0.064	0.038
0.60	-0.93	1.00	1.00	0.020	-0.011	0.069	0.069	0.042	0.039
0.65	-0.93	1.00	1.00	0.011	-0.010	0.057	0.057	0.052	0.038

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	-0.93	1.00	0.99	0.008	-0.008	0.082	0.082	0.051	0.039
0.80	-0.93	1.00	1.00	0.003	-0.013	0.082	0.082	0.059	0.036
-0.80	-0.95	0.93	0.90	-0.187	0.042	0.115	0.117	0.099	0.066
-0.75	-0.95	0.94	0.90	-0.222	0.024	0.106	0.106	0.091	0.063
-0.70	-0.95	0.95	0.92	-0.213	0.019	0.098	0.098	0.098	0.065
-0.65	-0.95	0.98	0.95	-0.229	0.005	0.119	0.117	0.098	0.066
-0.60	-0.95	1.00	0.97	-0.222	-0.007	0.106	0.110	0.091	0.068
-0.55	-0.95	1.02	0.98	-0.234	-0.005	0.108	0.112	0.089	0.056
-0.50	-0.95	1.00	0.98	-0.206	-0.005	0.098	0.098	0.084	0.063
-0.40	-0.95	1.02	0.99	-0.218	-0.016	0.093	0.093	0.080	0.063
-0.30	-0.95	1.03	1.01	-0.176	-0.012	0.099	0.103	0.091	0.061
-0.20	-0.95	1.02	1.00	-0.173	-0.017	0.101	0.101	0.079	0.058
-0.10	-0.95	1.03	1.02	-0.131	-0.019	0.098	0.098	0.079	0.056
0.00	-0.95	1.03	1.02	-0.105	-0.023	0.093	0.093	0.075	0.054
0.10	-0.95	1.04	1.03	-0.105	-0.014	0.112	0.113	0.082	0.054
0.20	-0.95	1.02	1.01	-0.091	-0.016	0.112	0.112	0.077	0.054
0.30	-0.95	1.01	1.01	-0.082	-0.003	0.089	0.091	0.066	0.049
0.40	-0.95	1.02	1.02	-0.073	-0.012	0.084	0.084	0.066	0.061
0.50	-0.95	1.02	1.02	-0.070	-0.010	0.098	0.098	0.072	0.047
0.60	-0.95	1.02	1.02	0.014	-0.009	0.079	0.079	0.049	0.042
0.70	-0.95	1.03	1.02	0.007	-0.010	0.075	0.075	0.065	0.040
0.80	-0.95	1.03	1.03	-0.002	-0.009	0.077	0.077	0.056	0.044
-0.80	-0.96	0.84	0.81	-0.182	0.029	0.112	0.112	0.095	0.068
-0.75	-0.96	0.84	0.81	-0.188	0.014	0.105	0.103	0.090	0.063
-0.70	-0.96	0.90	0.87	-0.196	0.002	0.106	0.108	0.095	0.064
-0.65	-0.96	0.90	0.87	-0.201	0.012	0.098	0.098	0.078	0.066
-0.60	-0.96	0.92	0.89	-0.213	-0.010	0.101	0.100	0.088	0.059
-0.55	-0.96	0.93	0.90	-0.203	-0.015	0.105	0.105	0.078	0.057
-0.50	-0.96	0.95	0.93	-0.197	-0.014	0.117	0.117	0.084	0.056
-0.40	-0.96	0.95	0.92	-0.196	-0.014	0.090	0.093	0.076	0.056
-0.30	-0.96	0.94	0.92	-0.132	-0.017	0.106	0.106	0.103	0.054
-0.20	-0.96	0.94	0.92	-0.155	-0.019	0.103	0.105	0.069	0.054
-0.10	-0.96	0.95	0.93	-0.125	-0.017	0.101	0.101	0.079	0.061
0.00	-0.96	0.95	0.95	-0.098	-0.012	0.098	0.098	0.074	0.052
0.10	-0.96	0.94	0.93	-0.108	-0.008	0.105	0.105	0.081	0.052
0.20	-0.96	0.92	0.91	-0.100	-0.008	0.101	0.101	0.074	0.047
0.30	-0.96	0.93	0.93	-0.061	-0.012	0.095	0.095	0.063	0.047
0.40	-0.96	0.94	0.94	-0.054	-0.008	0.096	0.098	0.059	0.049
0.50	-0.96	0.96	0.96	-0.076	-0.008	0.091	0.093	0.066	0.047
0.60	-0.96	0.96	0.96	0.008	-0.014	0.086	0.086	0.049	0.046
0.70	-0.96	0.96	0.96	0.005	-0.017	0.084	0.084	0.059	0.041
0.80	-0.96	0.52	0.36	0.030	-0.007	0.336	0.406	0.057	0.308
0.70	0.00	1.08	1.08	0.015	0.012	0.059	0.059	0.050	0.040
0.60	0.00	1.10	1.10	0.015	0.012	0.045	0.045	0.040	0.030
0.50	0.00	1.10	1.10	0.023	0.013	0.044	0.044	0.034	0.029
0.40	0.00	1.09	1.08	0.027	0.015	0.042	0.042	0.030	0.018
0.30	0.00	1.09	1.09	0.030	0.015	0.040	0.039	0.030	0.023
0.20	0.00	1.10	1.10	0.039	0.017	0.042	0.042	0.032	0.022
0.10	0.00	1.10	1.10	0.050	0.018	0.039	0.039	0.030	0.018
0.00	0.00	1.10	1.10	0.057	0.020	0.044	0.044	0.030	0.020
-0.10	0.00	1.11	1.10	0.072	0.025	0.052	0.052	0.042	0.025
-0.20	0.00	1.07	1.06	0.081	0.029	0.089	0.091	0.070	0.055
-0.30	0.00	0.83	0.81	0.074	0.025	0.148	0.151	0.107	0.091
-0.40	0.00	0.58	0.55	0.069	0.035	0.106	0.106	0.106	0.084
-0.50	0.00	0.51	0.48	0.096	0.070	0.096	0.099	0.094	0.082
-0.55	0.00	0.51	0.47	0.128	0.077	0.101	0.102	0.112	0.089
-0.60	0.00	0.57	0.52	0.146	0.040	0.117	0.123	0.131	0.107
-0.65	0.00	0.62	0.57	0.154	0.022	0.128	0.129	0.126	0.123
-0.70	0.00	0.68	0.62	0.193	-0.035	0.144	0.149	0.128	0.123
-0.75	0.00	0.73	0.67	0.195	-0.092	0.126	0.128	0.123	0.117

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	0.00	0.75	0.69	0.178	-0.131	0.134	0.134	0.109	0.144
-0.80	0.10	0.90	0.87	0.112	-0.168	0.091	0.089	0.081	0.084
-0.75	0.10	0.86	0.83	0.104	-0.111	0.111	0.112	0.106	0.101
-0.70	0.10	0.80	0.77	0.097	-0.067	0.123	0.123	0.109	0.106
-0.65	0.10	0.71	0.68	0.092	-0.005	0.129	0.131	0.111	0.106
-0.60	0.10	0.64	0.61	0.101	0.045	0.123	0.124	0.119	0.101
-0.55	0.10	0.59	0.56	0.081	0.081	0.116	0.121	0.106	0.099
-0.50	0.10	0.56	0.53	0.086	0.086	0.107	0.112	0.106	0.092
-0.40	0.10	0.60	0.58	0.064	0.069	0.117	0.119	0.101	0.082
-0.30	0.10	0.85	0.83	0.070	0.050	0.148	0.148	0.106	0.092
-0.20	0.10	1.06	1.05	0.076	0.049	0.072	0.074	0.067	0.057
-0.10	0.10	1.10	1.10	0.062	0.037	0.049	0.049	0.039	0.022
0.00	0.10	1.11	1.10	0.052	0.030	0.044	0.044	0.029	0.020
0.10	0.10	1.12	1.12	0.042	0.027	0.042	0.042	0.029	0.025
0.20	0.10	1.10	1.10	0.035	0.020	0.039	0.039	0.029	0.018
0.30	0.10	1.09	1.09	0.029	0.017	0.044	0.044	0.030	0.023
0.40	0.10	1.08	1.08	0.023	0.015	0.042	0.042	0.034	0.020
0.50	0.10	1.09	1.09	0.018	0.012	0.044	0.044	0.037	0.027
0.60	0.10	1.08	1.08	0.015	0.010	0.045	0.045	0.042	0.030
0.70	0.10	1.07	1.07	0.013	0.008	0.055	0.055	0.052	0.035
0.80	0.10	1.05	1.05	0.010	0.007	0.064	0.064	0.065	0.040
0.80	0.20	1.06	1.06	0.017	0.012	0.060	0.060	0.062	0.044
0.70	0.20	1.08	1.08	0.010	0.012	0.060	0.059	0.052	0.040
0.60	0.20	1.09	1.09	0.018	0.013	0.052	0.052	0.037	0.030
0.50	0.20	1.08	1.08	0.023	0.017	0.045	0.045	0.034	0.023
0.40	0.20	1.10	1.10	0.023	0.015	0.045	0.045	0.032	0.020
0.30	0.20	1.09	1.09	0.029	0.020	0.039	0.039	0.030	0.018
0.20	0.20	1.09	1.09	0.034	0.023	0.044	0.044	0.030	0.018
0.10	0.20	1.10	1.09	0.040	0.030	0.037	0.039	0.030	0.020
0.00	0.20	1.11	1.11	0.045	0.037	0.042	0.044	0.034	0.023
-0.10	0.20	1.10	1.10	0.054	0.052	0.047	0.047	0.039	0.025
-0.20	0.20	1.08	1.08	0.055	0.064	0.070	0.070	0.055	0.047
-0.30	0.20	0.91	0.89	0.049	0.082	0.139	0.141	0.101	0.087
-0.40	0.20	0.68	0.65	0.039	0.094	0.116	0.117	0.114	0.082
-0.50	0.20	0.64	0.62	0.037	0.097	0.107	0.114	0.107	0.087
-0.55	0.20	0.67	0.65	0.037	0.075	0.117	0.122	0.101	0.091
-0.60	0.20	0.71	0.70	0.037	0.045	0.119	0.121	0.101	0.091
-0.65	0.20	0.78	0.76	0.039	-0.010	0.099	0.101	0.096	0.086
-0.70	0.20	0.82	0.81	0.035	-0.070	0.080	0.082	0.086	0.079
-0.75	0.20	0.84	0.82	0.032	-0.119	0.084	0.084	0.075	0.080
-0.80	0.20	0.88	0.85	0.018	-0.193	0.082	0.084	0.072	0.070
-0.80	0.30	0.85	0.83	-0.037	-0.154	0.079	0.077	0.075	0.057
-0.75	0.30	0.80	0.79	-0.045	-0.106	0.075	0.075	0.070	0.064
-0.70	0.30	0.79	0.78	-0.040	-0.064	0.074	0.074	0.065	0.075
-0.65	0.30	0.77	0.76	-0.035	-0.017	0.077	0.079	0.082	0.079
-0.60	0.30	0.74	0.73	-0.035	0.045	0.097	0.101	0.091	0.080
-0.55	0.30	0.72	0.71	-0.023	0.075	0.102	0.106	0.099	0.077
-0.50	0.30	0.72	0.70	-0.007	0.091	0.097	0.099	0.107	0.077
-0.40	0.30	0.84	0.83	0.007	0.104	0.130	0.134	0.100	0.087
-0.30	0.30	1.02	1.00	0.033	0.092	0.109	0.112	0.087	0.075
-0.20	0.30	1.10	1.10	0.037	0.077	0.057	0.057	0.043	0.032
-0.10	0.30	1.10	1.10	0.038	0.055	0.047	0.047	0.032	0.022
0.00	0.30	1.10	1.10	0.038	0.043	0.045	0.045	0.032	0.023
0.10	0.30	1.09	1.09	0.033	0.032	0.042	0.042	0.030	0.022
0.20	0.30	1.10	1.09	0.033	0.025	0.045	0.045	0.030	0.022
0.30	0.30	1.10	1.10	0.027	0.023	0.040	0.040	0.032	0.020
0.40	0.30	1.08	1.08	0.020	0.020	0.043	0.043	0.032	0.022
0.50	0.30	1.09	1.09	0.015	0.018	0.043	0.043	0.032	0.023
0.60	0.30	1.08	1.08	0.018	0.017	0.043	0.043	0.038	0.028
0.70	0.30	1.06	1.06	0.012	0.012	0.054	0.054	0.047	0.033

y	z	$\tilde{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.80	0.30	1.05	1.05	0.010	0.008	0.054	0.054	0.054	0.042
0.80	0.40	1.05	1.05	0.008	0.007	0.060	0.060	0.052	0.038
0.70	0.40	1.08	1.08	0.013	0.013	0.054	0.054	0.048	0.033
0.60	0.40	1.09	1.08	0.012	0.017	0.050	0.050	0.042	0.027
0.50	0.40	1.10	1.10	0.018	0.025	0.040	0.040	0.038	0.023
0.40	0.40	1.11	1.11	0.018	0.023	0.043	0.043	0.037	0.022
0.30	0.40	1.09	1.09	0.027	0.025	0.038	0.038	0.028	0.020
0.20	0.40	1.11	1.11	0.028	0.032	0.040	0.040	0.027	0.018
0.10	0.40	1.10	1.09	0.025	0.037	0.038	0.038	0.035	0.018
0.00	0.40	1.10	1.10	0.027	0.045	0.040	0.040	0.030	0.020
-0.10	0.40	1.10	1.10	0.027	0.054	0.042	0.042	0.032	0.023
-0.20	0.40	1.12	1.12	0.025	0.069	0.043	0.043	0.037	0.028
-0.30	0.40	1.10	1.09	0.010	0.082	0.057	0.057	0.054	0.052
-0.40	0.40	1.03	1.02	-0.017	0.094	0.102	0.105	0.077	0.074
-0.50	0.40	0.87	0.85	-0.055	0.074	0.114	0.117	0.092	0.095
-0.55	0.40	0.84	0.83	-0.067	0.047	0.105	0.107	0.095	0.082
-0.60	0.40	0.83	0.81	-0.075	0.028	0.099	0.100	0.097	0.084
-0.65	0.40	0.81	0.80	-0.091	0.003	0.093	0.093	0.089	0.073
-0.70	0.40	0.83	0.82	-0.073	-0.031	0.088	0.088	0.088	0.068
-0.75	0.40	0.86	0.84	-0.083	-0.089	0.079	0.078	0.088	0.059
-0.80	0.40	0.86	0.85	-0.063	-0.127	0.076	0.076	0.078	0.061
-0.80	0.50	0.94	0.93	-0.045	-0.086	0.076	0.076	0.074	0.059
-0.75	0.50	0.94	0.93	-0.059	-0.061	0.086	0.088	0.074	0.063
-0.70	0.50	0.94	0.94	-0.069	-0.038	0.093	0.093	0.079	0.066
-0.65	0.50	0.97	0.96	-0.069	-0.012	0.093	0.094	0.083	0.073
-0.60	0.50	0.99	0.98	-0.074	0.020	0.096	0.097	0.074	0.071
-0.55	0.50	1.01	1.01	-0.055	0.036	0.097	0.099	0.064	0.069
-0.50	0.50	1.04	1.03	-0.053	0.055	0.086	0.089	0.059	0.069
-0.40	0.50	1.09	1.08	-0.028	0.069	0.056	0.058	0.038	0.046
-0.30	0.50	1.08	1.07	0.002	0.063	0.050	0.050	0.035	0.030
-0.20	0.50	1.08	1.08	0.015	0.055	0.041	0.041	0.030	0.020
-0.10	0.50	1.08	1.07	0.021	0.046	0.046	0.046	0.026	0.018
0.00	0.50	1.05	1.05	0.023	0.038	0.038	0.038	0.028	0.026
0.10	0.50	1.10	1.10	0.026	0.030	0.046	0.046	0.030	0.020
0.20	0.50	1.08	1.08	0.028	0.030	0.041	0.041	0.028	0.023
0.30	0.50	1.08	1.08	0.023	0.026	0.045	0.045	0.030	0.020
0.40	0.50	1.08	1.08	0.023	0.028	0.055	0.055	0.041	0.023
0.50	0.50	1.07	1.07	0.013	0.021	0.050	0.050	0.036	0.025
0.60	0.50	1.03	1.03	0.013	0.018	0.051	0.051	0.046	0.035
0.70	0.50	1.00	1.00	0.010	0.017	0.066	0.066	0.061	0.033
0.80	0.50	1.00	1.00	0.005	0.020	0.068	0.068	0.059	0.043
0.80	0.60	1.02	1.01	0.017	0.013	0.053	0.053	0.053	0.041
0.70	0.60	1.03	1.03	0.020	0.015	0.050	0.050	0.043	0.030
0.60	0.60	1.02	1.02	0.020	0.021	0.048	0.048	0.045	0.026
0.50	0.60	1.03	1.02	0.025	0.021	0.050	0.050	0.040	0.030
0.40	0.60	1.04	1.04	0.021	0.021	0.053	0.053	0.035	0.028
0.30	0.60	1.04	1.04	0.021	0.021	0.053	0.053	0.041	0.030
0.20	0.60	1.09	1.09	0.021	0.031	0.043	0.043	0.038	0.018
0.10	0.60	1.09	1.09	0.018	0.030	0.040	0.040	0.033	0.018
0.00	0.60	1.09	1.09	0.018	0.035	0.040	0.040	0.041	0.020
-0.10	0.60	1.12	1.12	0.007	0.044	0.039	0.039	0.033	0.020
-0.20	0.60	1.11	1.11	0.002	0.044	0.040	0.040	0.033	0.018
-0.30	0.60	1.11	1.11	-0.012	0.050	0.042	0.042	0.028	0.022
-0.40	0.60	1.13	1.12	-0.027	0.050	0.042	0.042	0.033	0.025
-0.50	0.60	1.12	1.11	-0.052	0.042	0.045	0.045	0.032	0.039
-0.55	0.60	1.10	1.09	-0.054	0.030	0.049	0.049	0.037	0.035
-0.60	0.60	1.13	1.13	-0.062	0.013	0.055	0.055	0.040	0.039
-0.65	0.60	1.06	1.06	-0.067	0.000	0.070	0.070	0.047	0.047
-0.70	0.60	1.06	1.06	-0.060	-0.028	0.074	0.074	0.050	0.049
-0.75	0.60	1.00	1.00	-0.047	-0.054	0.070	0.070	0.059	0.047

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	0.60	1.00	1.00	-0.035	-0.087	0.069	0.069	0.059	0.050
-0.80	0.70	1.06	1.05	-0.044	-0.060	0.060	0.060	0.049	0.040
-0.75	0.70	1.07	1.07	-0.047	-0.032	0.060	0.060	0.042	0.040
-0.70	0.70	1.11	1.10	-0.067	-0.010	0.057	0.057	0.044	0.035
-0.65	0.70	1.09	1.09	-0.062	0.002	0.045	0.045	0.035	0.027
-0.60	0.70	1.10	1.10	-0.055	0.010	0.045	0.045	0.033	0.023
-0.55	0.70	1.12	1.12	-0.049	0.015	0.045	0.045	0.035	0.028
-0.50	0.70	1.12	1.11	-0.044	0.020	0.042	0.042	0.033	0.027
-0.40	0.70	1.11	1.11	-0.032	0.032	0.044	0.044	0.035	0.022
-0.30	0.70	1.09	1.09	-0.020	0.030	0.044	0.044	0.032	0.022
-0.20	0.70	1.10	1.10	-0.007	0.030	0.054	0.054	0.032	0.022
-0.10	0.70	1.10	1.10	0.008	0.027	0.044	0.044	0.035	0.023
0.00	0.70	1.06	1.06	0.015	0.023	0.045	0.045	0.032	0.022
0.10	0.70	1.06	1.05	0.020	0.018	0.047	0.047	0.032	0.022
0.20	0.70	1.04	1.04	0.022	0.017	0.054	0.054	0.033	0.033
0.30	0.70	1.06	1.05	0.022	0.022	0.050	0.050	0.030	0.023
0.40	0.70	1.04	1.04	0.025	0.017	0.045	0.045	0.032	0.023
0.50	0.70	1.05	1.05	0.025	0.020	0.044	0.042	0.035	0.023
0.60	0.70	1.05	1.04	0.022	0.018	0.055	0.055	0.037	0.030
0.70	0.70	1.03	1.03	0.028	0.018	0.051	0.051	0.041	0.026
0.80	0.70	1.04	1.04	0.018	0.012	0.073	0.073	0.053	0.038
0.80	0.80	1.03	1.03	0.023	0.015	0.056	0.056	0.050	0.031
0.70	0.80	1.03	1.03	0.023	0.013	0.063	0.063	0.041	0.030
0.60	0.80	1.05	1.05	0.031	0.013	0.046	0.046	0.035	0.026
0.50	0.80	1.03	1.03	0.020	0.013	0.056	0.056	0.036	0.036
0.40	0.80	1.04	1.04	0.022	0.020	0.055	0.055	0.033	0.030
0.30	0.80	1.04	1.04	0.020	0.022	0.045	0.046	0.031	0.028
0.20	0.80	1.04	1.04	0.005	0.022	0.053	0.053	0.040	0.025
0.10	0.80	1.03	1.03	0.005	0.017	0.048	0.048	0.036	0.031
0.00	0.80	1.03	1.03	0.002	0.013	0.048	0.048	0.041	0.035
-0.10	0.80	0.95	0.95	-0.012	0.013	0.200	0.200	0.035	0.058
-0.20	0.80	1.02	1.02	-0.015	0.018	0.051	0.051	0.038	0.038
-0.30	0.80	1.03	1.02	-0.028	0.023	0.051	0.051	0.043	0.035
-0.40	0.80	1.07	1.07	-0.038	0.020	0.050	0.050	0.043	0.041
-0.50	0.80	1.10	1.10	-0.048	0.015	0.053	0.053	0.045	0.041
-0.55	0.80	1.09	1.08	-0.056	0.012	0.045	0.045	0.045	0.040
-0.60	0.80	1.09	1.09	-0.055	0.008	0.053	0.053	0.045	0.043
-0.65	0.80	1.09	1.09	-0.068	0.007	0.046	0.046	0.046	0.036
-0.70	0.80	1.08	1.08	-0.071	-0.007	0.058	0.058	0.048	0.043
-0.75	0.80	1.06	1.05	-0.074	-0.036	0.060	0.060	0.050	0.050
-0.80	0.80	1.06	1.05	-0.065	-0.066	0.066	0.068	0.060	0.051
-0.85	0.80	1.07	1.07	-0.071	-0.093	0.068	0.071	0.059	0.055
-0.85	0.70	1.04	1.03	-0.033	-0.111	0.061	0.061	0.053	0.055
-0.85	0.60	1.00	0.99	-0.035	-0.116	0.061	0.061	0.046	0.055
-0.85	0.50	0.97	0.95	-0.041	-0.140	0.076	0.073	0.064	0.063
-0.85	0.40	0.92	0.90	-0.031	-0.172	0.081	0.079	0.071	0.068
-0.85	0.30	0.91	0.88	-0.007	-0.208	0.079	0.079	0.066	0.061
-0.85	0.20	0.92	0.89	0.041	-0.225	0.078	0.079	0.073	0.071
-0.85	0.10	0.89	0.84	0.099	-0.218	0.091	0.089	0.079	0.097
-0.85	0.00	0.72	0.67	0.145	-0.159	0.142	0.144	0.097	0.117
-0.85	-0.10	0.54	0.47	0.162	0.000	0.149	0.154	0.102	0.169
-0.85	-0.20	0.70	0.65	0.119	0.116	0.132	0.140	0.088	0.131
-0.85	-0.30	0.80	0.77	0.076	0.149	0.114	0.112	0.081	0.089
-0.85	-0.40	0.88	0.86	0.012	0.159	0.079	0.079	0.071	0.073
-0.85	-0.50	0.93	0.91	-0.036	0.149	0.076	0.074	0.066	0.061
-0.85	-0.60	0.98	0.96	-0.028	0.134	0.084	0.083	0.058	0.068
-0.85	-0.70	1.00	0.99	-0.038	0.134	0.081	0.084	0.066	0.068
-0.85	-0.80	0.99	0.98	-0.073	0.109	0.071	0.074	0.068	0.066
-0.80	0.80	1.08	1.07	-0.075	-0.054	0.060	0.060	0.057	0.057
-0.80	0.70	1.06	1.05	-0.044	-0.075	0.064	0.064	0.040	0.047

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.80	0.60	1.01	1.01	-0.042	-0.077	0.067	0.067	0.057	0.044
-0.80	0.50	0.94	0.93	-0.047	-0.089	0.074	0.075	0.069	0.052
-0.80	0.40	0.88	0.87	-0.059	-0.116	0.077	0.077	0.075	0.070
-0.80	0.30	0.87	0.85	-0.013	-0.136	0.079	0.077	0.074	0.070
-0.80	0.20	0.88	0.86	0.037	-0.149	0.084	0.085	0.069	0.077
-0.80	0.10	0.87	0.84	0.107	-0.154	0.119	0.119	0.090	0.090
-0.80	0.00	0.71	0.65	0.167	-0.112	0.152	0.156	0.105	0.141
-0.80	-0.10	0.56	0.48	0.211	-0.025	0.147	0.151	0.107	0.164
-0.80	-0.20	0.67	0.63	0.121	0.080	0.146	0.144	0.119	0.111
-0.80	-0.30	0.77	0.76	0.062	0.077	0.116	0.117	0.087	0.072
-0.80	-0.40	0.85	0.84	-0.005	0.085	0.087	0.085	0.072	0.067
-0.80	-0.50	0.90	0.89	-0.025	0.069	0.090	0.090	0.070	0.062
-0.80	-0.60	1.01	1.01	-0.028	0.067	0.077	0.077	0.060	0.060
-0.80	-0.70	1.04	1.03	-0.037	0.065	0.074	0.074	0.050	0.055
-0.80	-0.80	1.06	1.05	-0.074	0.064	0.079	0.079	0.074	0.057
-0.90	0.80	1.04	1.02	-0.056	-0.157	0.077	0.079	0.067	0.064
-0.90	0.70	1.01	0.99	-0.029	-0.192	0.086	0.088	0.054	0.061
-0.90	0.60	1.04	1.02	-0.020	-0.200	0.081	0.087	0.059	0.067
-0.90	0.50	1.02	0.98	-0.017	-0.252	0.086	0.084	0.062	0.072
-0.90	0.40	1.00	0.96	-0.022	-0.258	0.079	0.079	0.066	0.067
-0.90	0.30	0.96	0.90	0.000	-0.301	0.091	0.091	0.064	0.076
-0.90	0.20	0.96	0.89	0.035	-0.322	0.099	0.099	0.069	0.081
-0.90	0.10	0.88	0.81	0.091	-0.284	0.123	0.123	0.088	0.100
-0.90	0.00	0.64	0.50	0.109	-0.151	0.178	0.170	0.109	0.158
-0.90	-0.10	0.49	0.44	0.093	0.025	0.141	0.138	0.091	0.170
-0.90	-0.20	0.71	0.66	0.094	0.190	0.153	0.151	0.079	0.151
-0.90	-0.30	0.83	0.79	0.062	0.247	0.103	0.103	0.081	0.082
-0.90	-0.40	0.91	0.87	0.019	0.264	0.094	0.094	0.086	0.077
-0.90	-0.50	0.95	0.92	-0.003	0.246	0.079	0.079	0.067	0.067
-0.90	-0.60	0.98	0.95	-0.019	0.226	0.081	0.082	0.067	0.072
-0.90	-0.70	0.97	0.94	-0.040	0.221	0.081	0.084	0.057	0.066
-0.90	-0.80	0.96	0.93	-0.072	0.177	0.074	0.076	0.072	0.064
-0.93	0.80	0.95	0.93	-0.063	-0.175	0.100	0.103	0.077	0.067
-0.93	0.70	0.98	0.96	-0.015	-0.213	0.085	0.087	0.065	0.067
-0.93	0.60	1.00	0.96	-0.003	-0.243	0.085	0.087	0.063	0.063
-0.93	0.50	0.99	0.95	-0.003	-0.258	0.092	0.097	0.063	0.072
-0.93	0.40	0.98	0.93	-0.010	-0.288	0.095	0.098	0.068	0.082
-0.93	0.30	0.96	0.88	-0.002	-0.348	0.105	0.112	0.075	0.085
-0.93	0.20	0.94	0.86	0.030	-0.350	0.095	0.098	0.075	0.087
-0.93	0.10	0.86	0.79	0.078	-0.298	0.130	0.132	0.075	0.122
-0.93	0.00	0.65	0.59	0.067	-0.200	0.178	0.173	0.098	0.155
-0.93	-0.10	0.46	0.41	0.055	0.035	0.135	0.138	0.097	0.168
-0.93	-0.20	0.64	0.53	0.078	0.190	0.157	0.158	0.078	0.142
-0.93	-0.30	0.85	0.79	0.052	0.300	0.105	0.108	0.070	0.097
-0.93	-0.40	0.89	0.87	0.010	0.306	0.097	0.097	0.063	0.075
-0.93	-0.50	0.93	0.88	-0.003	0.296	0.087	0.085	0.068	0.080
-0.93	-0.60	0.95	0.90	-0.012	0.278	0.102	0.102	0.062	0.078
-0.93	-0.70	0.97	0.88	-0.020	0.245	0.102	0.107	0.070	0.078
-0.93	-0.80	0.87	0.86	-0.070	0.193	0.103	0.110	0.087	0.070
-0.95	0.80	0.88	0.86	-0.042	-0.174	0.104	0.105	0.075	0.070
-0.95	0.70	0.96	0.92	-0.020	-0.241	0.107	0.110	0.065	0.067
-0.95	0.60	0.97	0.93	0.003	-0.281	0.090	0.097	0.057	0.075
-0.95	0.50	0.83	0.73	-0.008	-0.316	0.267	0.259	0.070	0.079
-0.95	0.40	0.95	0.88	0.002	-0.339	0.107	0.107	0.070	0.085
-0.95	0.30	0.91	0.83	0.017	-0.359	0.103	0.104	0.065	0.094
-0.95	0.20	0.89	0.81	0.073	-0.359	0.115	0.114	0.070	0.099
-0.95	0.10	0.78	0.70	0.052	-0.299	0.137	0.134	0.072	0.120
-0.95	0.00	0.56	0.51	0.033	-0.157	0.159	0.145	0.079	0.150
-0.95	-0.10	0.40	0.36	0.015	0.018	0.144	0.137	0.085	0.159
-0.95	-0.20	0.62	0.56	0.040	0.217	0.152	0.147	0.082	0.137
-0.95	-0.30	0.82	0.75	0.042	0.312	0.114	0.119	0.065	0.100
-0.95	-0.40	0.85	0.77	0.015	0.342	0.104	0.100	0.062	0.082
-0.95	-0.50	0.87	0.80	0.005	0.334	0.099	0.102	0.063	0.075
-0.95	-0.60	0.80	0.82	-0.002	0.314	0.092	0.095	0.062	0.070
-0.95	-0.70	0.88	0.83	-0.017	0.282	0.102	0.102	0.067	0.072
-0.95	-0.80	0.85	0.82	-0.032	0.200	0.097	0.097	0.082	0.070

APPENDIX D

High Reynolds Number Tabulated Data

Table D-1 Station 2, X(II) = 2.0 Entrance

Table D-2 Station 4, $\theta = 0°$

Table D-3 Station 6, $\theta = 30°$

Table D-4 Station 8, $\theta = 60°$

Table D-5 Station 10 $\theta = 90°$

Table D-6 Station 11, X(II) = 1.0 Exit

The tunnel coordinate positions have been non-dimensionalized on duct half-width Dh/2. All velocities have been non-dimensionalized on bulk velocity (20 m/s).

Table D-1, Station 2, X(H) = 2.0 Entrance

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.70	0.00	1.00	1.00	-0.004	0.005	0.019	0.019	0.020	0.011
0.60	0.00	0.99	0.99	0.004	0.002	0.021	0.021	0.017	0.013
0.50	0.00	0.99	0.99	0.002	0.003	0.019	0.019	0.019	0.012
0.40	0.00	1.00	1.00	0.002	0.004	0.019	0.019	0.018	0.011
0.30	0.00	0.99	0.99	0.002	0.001	0.026	0.026	0.020	0.013
0.20	0.00	0.99	0.99	0.000	0.002	0.033	0.033	0.019	0.015
0.10	0.00	0.99	0.99	0.002	0.005	0.029	0.029	0.017	0.013
0.00	0.00	0.99	0.99	0.001	0.004	0.024	0.024	0.016	0.014
-0.05	0.00	0.99	0.99	0.003	0.004	0.022	0.022	0.017	0.012
-0.10	0.00	0.99	0.99	-0.001	0.004	0.022	0.022	0.020	0.012
-0.15	0.00	1.00	1.00	0.000	0.005	0.019	0.019	0.014	0.011
-0.20	0.00	0.99	0.99	0.000	0.006	0.017	0.017	0.015	0.009
-0.25	0.00	1.00	1.00	0.000	0.004	0.021	0.021	0.017	0.011
0.30	0.00	0.99	0.99	0.000	0.005	0.017	0.017	0.018	0.010
-0.35	0.00	1.00	1.00	0.003	0.006	0.019	0.019	0.016	0.007
-0.40	0.00	1.00	1.00	0.002	0.004	0.017	0.017	0.016	0.010
-0.45	0.00	1.00	1.00	0.003	0.005	0.017	0.017	0.015	0.012
-0.50	0.00	1.00	1.00	0.004	0.004	0.015	0.015	0.017	0.010
-0.55	0.00	1.00	1.00	0.002	0.004	0.016	0.017	0.016	0.010
-0.60	0.00	1.00	1.00	0.003	0.004	0.017	0.017	0.017	0.009
-0.65	0.00	1.00	1.00	0.001	0.003	0.021	0.021	0.016	0.011
-0.70	0.00	0.99	0.99	0.003	0.005	0.019	0.019	0.017	0.011
-0.75	0.00	1.00	1.00	0.001	0.007	0.018	0.018	0.016	0.011
-0.80	0.00	0.99	0.99	0.004	0.009	0.017	0.017	0.015	0.010
-0.80	-0.10	0.99	0.99	0.001	0.007	0.017	0.017	0.016	0.012
-0.75	-0.10	0.99	0.99	0.001	0.006	0.017	0.017	0.015	0.010
-0.70	-0.10	0.99	0.99	0.000	0.004	0.020	0.020	0.017	0.010
-0.65	-0.10	0.99	0.99	0.000	0.002	0.021	0.021	0.018	0.012
-0.60	-0.10	0.99	0.99	0.000	0.002	0.022	0.022	0.017	0.013
-0.55	-0.10	0.99	0.99	0.002	0.002	0.022	0.022	0.020	0.012
-0.50	-0.10	0.99	0.99	-0.002	0.001	0.022	0.022	0.018	0.012
-0.45	-0.10	0.99	0.99	-0.001	0.003	0.023	0.023	0.019	0.01[illegible]
-0.40	-0.10	0.99	0.99	0.000	0.000	0.027	0.027	0.018	0.013
-0.35	-0.10	0.99	0.99	-0.001	0.003	0.025	0.025	0.018	0.012
-0.30	-0.10	0.99	0.99	-0.001	0.000	0.027	0.027	0.017	0.013
-0.25	-0.10	0.99	0.99	0.000	0.002	0.022	0.022	0.018	0.011
-0.20	-0.10	0.99	0.99	-0.002	0.003	0.027	0.027	0.020	0.012
-0.15	-0.10	0.99	0.99	-0.001	0.002	0.024	0.024	0.016	0.013
-0.10	-0.10	0.99	0.99	-0.003	0.000	0.026	0.026	0.017	0.014
-0.05	-0.10	0.99	0.99	-0.003	0.003	0.026	0.026	0.01[illegible]	0.01[illegible]
0.00	-0.10	0.99	0.99	-0.003	0.004	0.026	0.026	0.019	0.01[illegible]
0.10	-0.10	1.00	1.00	-0.011	-0.007	0.040	0.040	0.020	0.018
0.20	-0.10	0.98	0.98	-0.012	-0.009	0.041	0.041	0.019	0.017
0.30	-0.10	1.00	1.00	-0.011	-0.004	0.040	0.040	0.020	0.017
0.40	-0.10	0.99	0.99	-0.011	-0.004	0.041	0.041	0.019	0.018
0.50	-0.10	1.00	1.00	-0.011	-0.001	0.036	0.036	0.022	0.018
0.60	-0.10	0.99	0.99	-0.010	-0.002	0.035	0.035	0.021	0.019
0.70	-0.10	0.99	0.99	-0.010	-0.003	0.033	0.033	0.02[illegible]	0.019
0.80	-0.10	0.99	0.99	-0.008	-0.002	0.032	0.032	0.019	0.013
0.80	-0.20	1.00	1.00	-0.012	-0.005	0.031	0.031	0.020	0.017
0.70	-0.20	1.00	0.99	-0.006	-0.003	0.031	0.031	0.021	0.019
0.60	-0.20	0.99	0.99	-0.007	-0.006	0.035	0.035	0.018	0.019
0.50	-0.20	1.00	1.00	-0.008	-0.005	0.039	0.039	0.019	0.017
0.40	-0.20	1.00	1.00	-0.012	-0.003	0.036	0.036	0.021	0.018
0.30	-0.20	1.00	1.00	-0.008	-0.002	0.036	0.036	0.018	0.016
0.20	-0.20	0.99	0.99	-0.008	-0.007	0.037	0.037	0.021	0.018
0.10	-0.20	0.99	0.99	-0.011	-0.005	0.037	0.037	0.020	0.016
0.00	-0.20	0.99	0.99	-0.012	-0.012	0.038	0.039	0.021	0.019
-0.05	-0.20	0.99	0.99	-0.008	-0.008	0.041	0.041	0.021	0.020
-0.10	-0.20	1.00	1.00	-0.009	-0.009	0.041	0.041	0.022	0.019

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.15	-0.20	0.99	0.99	-0.012	-0.009	0.042	0.042	0.022	0.018
-0.20	-0.20	0.99	0.99	-0.010	-0.007	0.041	0.041	0.020	0.019
-0.25	-0.20	0.99	0.99	-0.008	-0.009	0.040	0.040	0.021	0.020
-0.30	-0.20	1.00	1.00	-0.006	-0.006	0.040	0.040	0.023	0.017
-0.35	-0.20	1.00	1.00	-0.006	-0.007	0.041	0.041	0.022	0.018
-0.40	-0.20	1.00	1.00	-0.005	-0.006	0.040	0.040	0.021	0.018
-0.45	-0.20	1.00	1.00	-0.004	-0.004	0.044	0.045	0.022	0.017
-0.50	-0.20	1.00	1.00	-0.004	-0.007	0.038	0.038	0.021	0.019
-0.55	-0.20	1.00	1.00	-0.005	-0.008	0.042	0.042	0.022	0.018
-0.60	-0.20	1.00	1.00	-0.004	-0.005	0.038	0.039	0.022	0.017
-0.65	-0.20	1.00	1.00	-0.004	-0.002	0.039	0.039	0.017	0.016
-0.70	-0.20	1.00	1.00	-0.005	-0.003	0.037	0.037	0.021	0.018
-0.75	-0.20	1.00	1.00	-0.003	-0.001	0.039	0.039	0.020	0.017
-0.80	-0.20	1.00	1.00	-0.002	0.001	0.037	0.037	0.019	0.017
-0.80	-0.30	1.00	1.00	-0.005	0.003	0.036	0.036	0.020	0.016
-0.75	-0.30	1.00	1.00	-0.005	-0.001	0.034	0.034	0.021	0.018
-0.70	-0.30	1.01	1.00	-0.002	0.001	0.035	0.035	0.020	0.017
-0.65	-0.30	1.00	1.00	-0.003	-0.002	0.040	0.040	0.020	0.017
-0.60	-0.30	1.00	1.00	-0.008	-0.001	0.039	0.039	0.021	0.018
-0.55	-0.30	1.00	1.00	-0.008	-0.006	0.038	0.038	0.022	0.019
-0.50	-0.30	0.99	0.99	-0.007	-0.005	0.036	0.036	0.021	0.018
-0.47	-0.30	1.00	1.00	-0.008	-0.008	0.038	0.039	0.021	0.018
-0.40	-0.30	1.00	1.00	-0.008	-0.009	0.041	0.041	0.023	0.021
-0.35	-0.30	1.00	1.00	-0.008	-0.007	0.041	0.041	0.023	0.019
-0.30	-0.30	1.00	1.00	-0.009	-0.008	0.042	0.042	0.023	0.019
-0.25	-0.30	1.00	1.00	-0.009	-0.007	0.043	0.043	0.022	0.018
-0.20	-0.30	1.00	1.00	-0.012	-0.010	0.042	0.042	0.023	0.020
-0.15	-0.30	0.99	0.99	-0.010	-0.010	0.043	0.043	0.021	0.021
-0.10	-0.30	1.00	1.00	-0.010	-0.008	0.042	0.042	0.021	0.019
-0.05	-0.30	1.00	1.00	-0.010	-0.008	0.043	0.043	0.021	0.020
0.00	-0.30	0.99	0.99	-0.011	-0.008	0.044	0.044	0.023	0.020
0.10	-0.30	0.99	0.99	-0.006	-0.006	0.040	0.040	0.020	0.020
0.20	-0.30	0.99	0.99	-0.008	-0.007	0.038	0.038	0.020	0.019
0.30	-0.30	1.00	1.00	-0.005	-0.003	0.037	0.037	0.018	0.016
0.40	-0.30	1.00	1.00	-0.004	-0.002	0.035	0.036	0.020	0.016
0.50	-0.30	1.00	1.00	-0.008	-0.008	0.037	0.037	0.021	0.019
0.60	-0.30	1.00	1.00	-0.007	-0.003	0.037	0.037	0.019	0.018
0.70	-0.30	1.00	1.00	-0.006	-0.004	0.036	0.036	0.018	0.019
0.80	-0.30	1.00	1.00	-0.008	-0.001	0.034	0.034	0.022	0.019
0.80	-0.40	1.00	1.00	-0.012	-0.002	0.033	0.033	0.021	0.019
0.75	-0.40	1.00	1.00	-0.009	-0.003	0.034	0.034	0.022	0.018
0.70	-0.40	0.99	0.99	-0.010	-0.007	0.035	0.035	0.022	0.019
0.65	-0.40	0.99	0.99	-0.009	-0.004	0.037	0.037	0.021	0.020
0.60	-0.40	1.00	0.99	-0.008	-0.002	0.040	0.040	0.020	0.019
0.55	-0.40	1.00	1.00	-0.009	-0.003	0.039	0.040	0.021	0.018
0.50	-0.40	0.99	0.99	-0.009	-0.004	0.038	0.038	0.021	0.018
0.45	-0.40	1.00	1.00	-0.008	-0.005	0.040	0.040	0.021	0.018
0.40	-0.40	0.99	0.99	-0.008	-0.003	0.036	0.036	0.022	0.020
0.30	-0.40	0.99	0.99	-0.009	-0.007	0.043	0.043	0.020	0.022
0.20	-0.40	1.00	1.00	-0.009	-0.007	0.043	0.043	0.023	0.021
0.10	-0.40	0.99	0.99	-0.011	-0.007	0.041	0.042	0.021	0.021
0.00	-0.40	1.00	1.00	-0.007	-0.007	0.042	0.042	0.019	0.019
-0.05	-0.40	0.99	0.99	-0.009	-0.007	0.040	0.040	0.022	0.020
-0.10	-0.40	0.99	0.99	-0.010	-0.012	0.046	0.047	0.024	0.021
-0.15	-0.40	1.00	1.00	-0.008	-0.006	0.039	0.039	0.022	0.018
-0.20	-0.40	1.00	1.00	-0.008	-0.006	0.040	0.040	0.024	0.019
-0.25	-0.40	1.00	1.00	-0.006	-0.005	0.039	0.039	0.023	0.019
-0.30	-0.40	1.00	1.00	-0.008	-0.008	0.042	0.042	0.023	0.020
-0.35	-0.40	1.00	1.00	-0.007	-0.003	0.041	0.041	0.023	0.018
-0.40	-0.40	1.01	1.01	-0.008	-0.005	0.038	0.038	0.021	0.018

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.45	-0.40	1.00	1.00	-0.008	-0.004	0.037	0.037	0.022	0.018
-0.50	-0.40	1.00	1.00	-0.007	-0.001	0.037	0.037	0.021	0.018
-0.55	-0.40	1.01	1.01	-0.008	0.001	0.038	0.038	0.020	0.017
-0.60	-0.40	1.00	1.00	-0.010	0.002	0.032	0.032	0.021	0.016
-0.65	-0.40	1.01	1.00	-0.003	0.004	0.030	0.030	0.016	0.016
-0.70	-0.40	1.01	1.01	-0.001	0.005	0.024	0.024	0.017	0.014
-0.75	-0.40	1.00	1.00	-0.002	0.004	0.028	0.028	0.018	0.013
-0.80	-0.40	1.00	1.00	-0.002	0.007	0.026	0.026	0.018	0.013
-0.80	-0.50	1.00	1.00	-0.004	0.008	0.024	0.024	0.017	0.014
-0.75	-0.50	1.01	1.01	-0.003	0.007	0.027	0.027	0.020	0.015
-0.70	-0.50	1.00	1.00	-0.003	0.004	0.031	0.031	0.019	0.017
-0.65	-0.50	1.00	1.00	-0.005	0.006	0.033	0.033	0.019	0.018
-0.60	-0.50	1.00	1.00	-0.007	0.005	0.030	0.030	0.019	0.015
-0.55	-0.50	1.01	1.01	-0.006	0.002	0.033	0.033	0.020	0.017
-0.50	-0.50	1.00	1.00	-0.007	0.002	0.036	0.036	0.019	0.016
-0.45	-0.50	1.01	1.01	-0.004	0.004	0.028	0.028	0.019	0.017
-0.40	-0.50	1.00	1.00	-0.007	-0.002	0.037	0.037	0.020	0.019
-0.35	-0.50	1.00	1.00	-0.008	-0.005	0.038	0.038	0.022	0.019
-0.30	-0.50	1.00	1.00	-0.007	-0.003	0.038	0.038	0.022	0.019
-0.25	-0.50	1.00	1.00	-0.005	-0.005	0.042	0.042	0.021	0.018
-0.20	-0.50	0.99	0.99	-0.010	-0.005	0.040	0.041	0.022	0.020
-0.15	-0.50	1.00	0.99	-0.009	-0.005	0.038	0.038	0.024	0.020
-0.10	-0.50	0.99	0.99	-0.007	-0.004	0.041	0.041	0.025	0.017
-0.05	-0.50	1.00	1.00	-0.008	-0.007	0.044	0.044	0.022	0.020
0.00	-0.50	0.99	0.99	-0.008	-0.005	0.041	0.042	0.025	0.020
0.10	-0.50	0.99	0.99	-0.009	-0.001	0.039	0.040	0.023	0.021
0.20	-0.50	0.99	0.99	-0.009	-0.001	0.040	0.041	0.021	0.019
0.30	-0.50	0.99	0.99	-0.008	-0.004	0.041	0.041	0.021	0.018
0.40	-0.50	0.98	0.98	-0.006	-0.002	0.038	0.038	0.021	0.021
0.45	-0.50	0.99	0.99	-0.009	-0.003	0.040	0.040	0.022	0.020
0.50	-0.50	0.99	0.99	-0.010	0.000	0.041	0.041	0.021	0.019
0.55	-0.50	0.99	0.99	-0.007	-0.001	0.040	0.040	0.020	0.018
0.60	-0.50	0.99	0.99	-0.009	0.000	0.037	0.037	0.019	0.019
0.65	-0.50	0.97	0.99	-0.006	-0.004	0.038	0.038	0.022	0.019
0.70	-0.50	0.99	0.99	-0.011	-0.002	0.035	0.035	0.023	0.017
0.75	-0.50	0.99	0.99	-0.013	-0.001	0.035	0.035	0.024	0.017
0.80	-0.50	0.99	0.99	-0.009	0.000	0.033	0.033	0.026	0.018
0.80	-0.60	0.99	0.99	-0.008	0.001	0.031	0.031	0.023	0.017
0.75	-0.60	1.00	1.00	-0.010	-0.001	0.036	0.036	0.023	0.018
0.70	-0.60	1.00	1.00	-0.008	-0.002	0.037	0.037	0.024	0.018
0.65	-0.60	0.99	0.99	-0.011	0.002	0.036	0.036	0.024	0.016
0.60	-0.60	0.99	0.99	-0.008	-0.003	0.040	0.040	0.021	0.019
0.55	-0.60	0.99	0.99	-0.010	0.001	0.036	0.036	0.024	0.018
0.50	-0.60	0.99	0.99	-0.010	-0.001	0.038	0.038	0.024	0.017
0.45	-0.60	0.99	0.99	-0.011	-0.005	0.040	0.040	0.024	0.018
0.40	-0.60	1.00	1.00	-0.006	-0.003	0.039	0.039	0.022	0.015
0.30	-0.60	1.00	1.00	-0.010	-0.007	0.044	0.044	0.024	0.017
0.20	-0.60	0.99	0.99	-0.010	-0.006	0.039	0.039	0.023	0.019
0.10	-0.60	1.00	1.00	-0.010	-0.003	0.040	0.040	0.024	0.018
0.00	-0.60	0.99	0.99	-0.008	-0.006	0.038	0.038	0.023	0.019
-0.05	-0.60	1.00	1.00	-0.008	-0.004	0.041	0.041	0.023	0.019
-0.10	-0.60	1.00	1.00	-0.007	-0.004	0.043	0.043	0.022	0.019
-0.15	-0.60	1.01	1.00	-0.005	0.000	0.034	0.034	0.022	0.017
-0.20	-0.60	1.00	1.00	-0.006	-0.002	0.043	0.043	0.021	0.017
-0.25	-0.60	1.00	1.00	-0.008	-0.007	0.039	0.039	0.021	0.020
-0.30	-0.60	1.00	1.00	-0.006	-0.002	0.037	0.037	0.023	0.018
-0.35	-0.60	1.01	1.01	-0.004	0.000	0.030	0.030	0.019	0.016
-0.40	-0.60	1.01	1.00	-0.009	0.001	0.030	0.030	0.021	0.016
-0.45	-0.60	1.01	1.01	-0.008	0.002	0.030	0.030	0.020	0.016
-0.50	-0.60	1.00	1.00	-0.005	0.003	0.028	0.028	0.018	0.016

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.55	-0.60	1.01	1.01	-0.003	0.007	0.028	0.028	0.018	0.014
0.60	-0.60	1.01	1.01	-0.003	0.008	0.020	0.020	0.018	0.014
-0.65	-0.60	1.01	1.01	-0.004	0.006	0.023	0.023	0.019	0.014
-0.70	-0.60	1.01	1.01	0.000	0.010	0.020	0.020	0.017	0.012
-0.75	-0.60	1.01	1.01	0.001	0.010	0.018	0.018	0.017	0.013
-0.80	-0.60	1.01	1.01	0.005	0.014	0.018	0.019	0.016	0.012
-0.80	-0.70	1.01	1.01	0.007	0.013	0.017	0.017	0.019	0.014
-0.75	-0.70	1.01	1.01	0.003	0.010	0.017	0.017	0.016	0.014
-0.70	-0.70	1.01	1.01	0.005	0.011	0.017	0.017	0.018	0.015
-0.65	-0.70	1.01	1.01	0.004	0.011	0.018	0.018	0.019	0.013
-0.60	-0.70	1.01	1.01	0.002	0.008	0.019	0.019	0.018	0.013
-0.55	-0.70	1.01	1.01	-0.002	0.003	0.020	0.020	0.017	0.013
-0.50	-0.70	1.01	1.01	-0.002	0.001	0.021	0.021	0.018	0.013
-0.45	-0.70	1.01	1.01	-0.005	0.001	0.027	0.027	0.020	0.014
-0.40	-0.70	1.00	1.00	-0.005	0.000	0.030	0.030	0.020	0.016
-0.35	-0.70	1.01	1.01	-0.004	0.001	0.031	0.031	0.020	0.016
-0.30	-0.70	1.01	1.01	-0.006	-0.002	0.032	0.032	0.022	0.016
-0.25	-0.70	1.01	1.00	-0.005	-0.001	0.034	0.034	0.023	0.015
-0.20	-0.70	1.00	1.00	-0.002	0.000	0.029	0.029	0.020	0.015
-0.15	-0.70	1.01	1.01	-0.007	-0.001	0.036	0.036	0.022	0.016
-0.10	-0.70	1.01	1.00	-0.005	0.002	0.035	0.035	0.022	0.016
-0.05	-0.70	1.00	1.00	-0.010	-0.005	0.037	0.037	0.021	0.018
0.00	-0.70	1.01	1.01	-0.007	-0.004	0.039	0.039	0.021	0.016
0.10	-0.70	1.00	1.00	-0.008	-0.002	0.035	0.035	0.022	0.017
0.20	-0.70	1.00	1.00	-0.007	-0.005	0.037	0.037	0.023	0.019
0.30	-0.70	1.00	1.00	-0.009	-0.004	0.034	0.034	0.021	0.018
0.40	-0.70	1.00	1.00	-0.005	0.001	0.033	0.033	0.021	0.018
0.45	-0.70	1.00	1.00	-0.010	0.004	0.034	0.034	0.019	0.017
0.50	-0.70	1.00	1.00	-0.007	0.002	0.037	0.037	0.023	0.018
0.55	-0.70	1.00	1.00	-0.006	0.003	0.034	0.034	0.020	0.018
0.60	-0.70	1.00	1.00	-0.004	0.002	0.034	0.034	0.019	0.019
0.65	-0.70	0.99	0.99	-0.008	0.000	0.035	0.035	0.019	0.019
0.70	-0.70	0.99	0.99	-0.013	0.003	0.034	0.034	0.022	0.017
0.75	-0.70	1.00	1.00	-0.012	0.004	0.029	0.029	0.020	0.014
0.80	-0.70	0.99	0.99	-0.010	0.005	0.030	0.030	0.023	0.014
0.80	-0.80	0.99	0.99	-0.008	0.006	0.028	0.028	0.021	0.014
0.75	0.80	1.00	0.99	-0.013	0.002	0.030	0.030	0.021	0.016
0.70	-0.80	0.99	0.99	-0.011	0.004	0.029	0.030	0.022	0.016
0.65	0.80	0.99	0.99	-0.013	0.003	0.033	0.033	0.020	0.015
0.60	-0.80	1.00	1.00	-0.011	0.002	0.034	0.034	0.021	0.017
0.55	-0.80	0.99	0.99	-0.011	0.004	0.029	0.029	0.023	0.016
0.50	-0.80	1.00	1.00	-0.007	0.005	0.028	0.028	0.021	0.016
0.45	-0.80	0.99	0.99	-0.009	0.003	0.029	0.030	0.018	0.017
0.40	-0.80	1.00	1.00	-0.010	0.007	0.026	0.026	0.021	0.014
0.30	-0.80	1.00	1.00	-0.006	0.000	0.025	0.025	0.023	0.015
0.20	-0.80	1.00	1.00	-0.003	0.005	0.028	0.028	0.018	0.015
0.10	-0.80	1.00	1.00	-0.005	0.003	0.024	0.024	0.022	0.015
0.00	-0.80	1.00	1.00	-0.005	-0.003	0.028	0.028	0.022	0.016
-0.05	-0.80	1.00	1.00	-0.006	0.000	0.029	0.029	0.021	0.015
-0.10	-0.80	1.00	1.00	-0.005	0.001	0.026	0.026	0.022	0.015
-0.15	-0.80	1.00	1.00	-0.002	0.002	0.023	0.023	0.020	0.013
-0.20	-0.80	1.00	1.00	-0.004	-0.001	0.026	0.026	0.019	0.015
-0.25	-0.80	1.01	1.01	-0.006	-0.002	0.027	0.027	0.021	0.015
-0.30	-0.80	1.00	1.00	-0.005	0.002	0.025	0.025	0.022	0.014
-0.35	-0.80	1.00	1.00	-0.003	-0.002	0.030	0.030	0.024	0.015
-0.40	-0.80	1.00	1.00	-0.003	0.002	0.026	0.026	0.019	0.016
-0.45	-0.80	1.00	1.00	-0.006	0.003	0.020	0.020	0.019	0.012
-0.50	0.80	1.00	1.00	-0.002	0.001	0.018	0.018	0.019	0.013
-0.55	-0.80	1.01	1.01	-0.001	0.004	0.018	0.018	0.020	0.012
-0.60	-0.80	1.00	1.00	-0.001	0.004	0.022	0.022	0.020	0.013

4

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.65	-0.80	1.01	1.01	-0.002	0.006	0.018	0.018	0.017	0.013
-0.70	-0.80	1.00	1.00	-0.003	0.008	0.015	0.015	0.018	0.013
-0.75	-0.80	1.00	1.00	0.003	0.013	0.018	0.018	0.019	0.013
-0.80	-0.80	1.00	1.00	0.006	0.014	0.017	0.017	0.019	0.012
0.70	0.00	0.99	0.99	-0.008	0.003	0.034	0.034	0.024	0.015
0.60	0.00	0.99	0.99	-0.002	0.001	0.033	0.033	0.018	0.015
0.50	0.00	0.99	0.99	-0.002	0.001	0.032	0.032	0.020	0.015
0.40	0.00	0.99	0.99	-0.004	-0.001	0.035	0.035	0.022	0.017
0.30	0.00	1.00	1.00	-0.001	-0.002	0.033	0.033	0.018	0.015
0.20	0.00	1.00	1.00	-0.003	-0.001	0.034	0.034	0.019	0.016
0.10	0.00	0.99	0.99	-0.006	-0.003	0.033	0.033	0.022	0.017
0.00	0.00	0.99	0.99	-0.006	-0.003	0.034	0.034	0.024	0.016
-0.05	0.00	1.00	1.00	-0.003	0.001	0.031	0.031	0.020	0.014
-0.10	0.00	1.00	1.00	-0.006	-0.001	0.032	0.032	0.022	0.015
-0.15	0.00	1.00	1.00	-0.006	0.000	0.029	0.029	0.022	0.015
-0.20	0.00	0.99	0.99	-0.004	-0.001	0.030	0.030	0.018	0.015
-0.25	0.00	1.00	1.00	-0.002	-0.001	0.021	0.021	0.020	0.015
-0.30	0.00	1.00	1.00	-0.001	0.002	0.023	0.023	0.017	0.013
-0.35	0.00	1.00	1.00	-0.003	0.000	0.028	0.028	0.022	0.014
-0.40	0.00	1.00	1.00	-0.001	0.001	0.022	0.022	0.024	0.015
-0.45	0.00	1.00	1.00	-0.002	0.002	0.023	0.023	0.017	0.012
-0.50	0.00	1.00	1.00	-0.002	-0.001	0.024	0.024	0.019	0.014
-0.55	0.00	1.00	1.00	-0.002	0.002	0.020	0.020	0.018	0.013
-0.60	0.00	1.00	1.00	-0.003	0.002	0.020	0.020	0.019	0.013
-0.65	0.00	1.00	1.00	-0.001	0.003	0.020	0.020	0.019	0.011
-0.70	0.00	1.00	1.00	0.001	0.004	0.018	0.018	0.017	0.012
-0.75	0.00	1.00	1.00	0.004	0.006	0.019	0.019	0.022	0.011
-0.80	0.00	1.00	1.00	0.005	0.007	0.020	0.020	0.017	0.012
-0.80	0.10	1.00	1.00	0.003	0.007	0.020	0.020	0.018	0.013
-0.75	0.10	1.01	1.01	0.003	0.006	0.019	0.019	0.019	0.012
-0.70	0.10	1.00	1.00	0.006	0.006	0.019	0.019	0.017	0.013
-0.65	0.10	1.00	1.00	0.003	0.005	0.018	0.018	0.018	0.011
-0.60	0.10	1.00	1.00	-0.002	0.000	0.025	0.025	0.018	0.014
-0.55	0.10	1.00	1.00	-0.004	0.003	0.018	0.018	0.018	0.012
-0.50	0.10	1.00	1.00	0.000	0.003	0.022	0.022	0.017	0.013
-0.45	0.10	1.00	1.00	-0.001	0.001	0.024	0.024	0.019	0.015
-0.40	0.10	1.00	1.00	-0.002	0.001	0.027	0.027	0.018	0.014
-0.35	0.10	1.00	1.00	-0.003	0.003	0.028	0.028	0.020	0.014
-0.30	0.10	0.99	0.99	-0.002	0.002	0.027	0.027	0.019	0.015
-0.25	0.10	1.00	1.00	-0.002	0.002	0.029	0.029	0.019	0.015
-0.20	0.10	1.00	1.00	-0.004	0.001	0.028	0.028	0.020	0.016
-0.15	0.10	0.99	0.99	-0.005	-0.001	0.032	0.032	0.022	0.018
-0.10	0.10	0.99	0.99	-0.004	0.001	0.031	0.031	0.020	0.017
-0.05	0.10	0.99	0.99	-0.007	0.002	0.030	0.030	0.022	0.015
0.00	0.10	1.00	1.00	-0.004	0.001	0.035	0.035	0.020	0.016
0.10	0.10	1.00	0.99	-0.002	-0.001	0.031	0.031	0.020	0.016
0.20	0.10	1.00	1.00	-0.002	0.002	0.032	0.032	0.022	0.016
0.30	0.10	1.00	1.00	-0.003	0.000	0.031	0.031	0.020	0.017
0.40	0.10	0.99	0.99	-0.005	0.002	0.036	0.036	0.021	0.017
0.50	0.10	0.99	0.99	0.000	0.001	0.037	0.037	0.020	0.016
0.60	0.10	0.99	0.99	-0.001	0.002	0.035	0.035	0.021	0.016
0.70	0.10	0.99	0.99	-0.006	0.003	0.034	0.034	0.017	0.016
0.80	0.10	1.00	1.00	0.001	0.005	0.031	0.031	0.015	0.015
0.80	0.20	1.00	1.00	-0.007	0.004	0.032	0.032	0.018	0.016
0.70	0.20	1.00	1.00	-0.006	0.003	0.034	0.034	0.021	0.016
0.60	0.20	1.00	1.00	-0.003	0.000	0.035	0.035	0.020	0.015
0.50	0.20	1.00	1.00	-0.003	0.001	0.034	0.034	0.021	0.015
0.40	0.20	1.00	1.00	-0.004	-0.001	0.033	0.033	0.020	0.018
0.30	0.20	1.01	1.01	-0.004	0.001	0.034	0.034	0.020	0.014
0.20	0.20	1.00	1.00	-0.003	0.004	0.035	0.035	0.020	0.014

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.10	0.20	1.00	1.00	-0.005	-0.001	0.036	0.036	0.020	0.0
0.00	0.20	1.00	1.00	-0.004	0.001	0.034	0.034	0.021	0.019
-0.05	0.20	1.00	1.00	-0.004	0.000	0.036	0.036	0.021	0.016
-0.10	0.20	1.01	1.01	-0.004	-0.001	0.035	0.035	0.019	0.017
-0.15	0.20	1.00	1.00	-0.005	-0.001	0.034	0.034	0.021	0.016
-0.20	0.20	1.00	1.00	-0.002	0.001	0.032	0.032	0.019	0.016
-0.25	0.20	1.00	1.00	-0.006	0.000	0.032	0.032	0.023	0.017
-0.30	0.20	1.01	1.01	-0.004	0.002	0.033	0.033	0.018	0.017
-0.35	0.20	1.01	1.01	-0.005	0.002	0.030	0.030	0.019	0.015
-0.40	0.20	1.01	1.01	-0.005	0.001	0.029	0.029	0.021	0.016
-0.45	0.20	1.01	1.01	-0.003	0.002	0.027	0.027	0.021	0.014
-0.50	0.20	1.01	1.01	-0.005	0.002	0.028	0.028	0.021	0.016
-0.55	0.20	1.01	1.01	-0.002	0.000	0.025	0.025	0.018	0.013
-0.60	0.20	1.01	1.01	0.002	0.001	0.025	0.025	0.019	0.014
-0.65	0.20	1.01	1.01	0.002	0.005	0.023	0.023	0.017	0.012
-0.70	0.20	1.01	1.01	0.002	0.005	0.024	0.024	0.018	0.012
-0.75	0.20	1.01	1.01	0.003	0.005	0.023	0.023	0.019	0.014
-0.80	0.20	1.01	1.01	0.004	0.005	0.021	0.021	0.017	0.013
-0.80	0.30	1.01	1.01	0.004	0.004	0.020	0.020	0.018	0.012
-0.75	0.30	1.01	1.01	0.001	0.004	0.029	0.029	0.019	0.013
-0.70	0.30	1.01	1.01	0.002	0.003	0.027	0.027	0.016	0.015
-0.65	0.30	1.01	1.01	-0.003	0.001	0.032	0.032	0.020	0.015
-0.60	0.30	1.01	1.01	-0.002	0.000	0.030	0.030	0.019	0.015
-0.55	0.30	1.01	1.01	-0.003	-0.001	0.031	0.031	0.020	0.016
-0.50	0.30	1.00	1.00	-0.003	-0.001	0.030	0.030	0.021	0.016
-0.47	0.30	1.01	1.01	-0.005	-0.002	0.030	0.030	0.021	0.019
-0.40	0.30	1.00	1.00	-0.003	0.000	0.034	0.034	0.019	0.016
-0.35	0.30	1.00	1.00	0.000	0.001	0.031	0.031	0.021	0.016
-0.30	0.30	0.99	0.99	0.000	-0.001	0.033	0.033	0.020	0.017
-0.25	0.30	1.00	1.00	-0.001	0.000	0.037	0.037	0.020	0.017
-0.20	0.30	0.99	0.99	-0.003	0.000	0.034	0.034	0.022	0.017
-0.15	0.30	1.00	1.00	-0.002	-0.003	0.036	0.036	0.018	0.016
-0.10	0.30	0.99	0.99	-0.002	-0.004	0.037	0.037	0.019	0.017
-0.05	0.30	0.99	0.99	-0.006	-0.005	0.036	0.036	0.022	0.018
0.00	0.30	0.99	0.99	-0.004	-0.005	0.039	0.039	0.018	0.019
0.10	0.30	0.99	0.99	-0.006	-0.003	0.037	0.037	0.019	0.018
0.20	0.30	0.99	0.99	-0.004	-0.004	0.035	0.036	0.020	0.018
0.30	0.30	0.99	0.99	-0.004	-0.002	0.037	0.037	0.018	0.019
0.40	0.30	0.99	0.99	-0.008	-0.003	0.037	0.037	0.020	0.018
0.50	0.30	0.99	0.99	-0.006	-0.003	0.039	0.039	0.021	0.017
0.60	0.30	0.98	0.98	-0.006	-0.004	0.033	0.033	0.018	0.020
0.70	0.30	0.98	0.98	-0.010	-0.001	0.038	0.038	0.017	0.017
0.80	0.30	0.98	0.98	-0.006	0.000	0.035	0.035	0.020	0.019
0.80	0.40	0.97	0.97	0.006	-0.007	0.034	0.034	0.016	0.019
0.75	0.40	0.98	0.98	-0.004	-0.007	0.035	0.035	0.016	0.019
0.70	0.40	0.98	0.98	-0.004	-0.005	0.033	0.033	0.015	0.019
0.65	0.40	0.98	0.98	-0.009	-0.004	0.037	0.037	0.017	0.018
0.60	0.40	0.98	0.98	-0.008	-0.006	0.039	0.039	0.018	0.017
0.55	0.40	0.99	0.99	-0.007	-0.006	0.038	0.038	0.019	0.018
0.50	0.40	0.98	0.98	-0.006	-0.006	0.034	0.034	0.021	0.020
0.45	0.40	0.98	0.98	-0.006	-0.006	0.034	0.034	0.021	0.019
0.40	0.40	0.99	0.99	-0.007	-0.008	0.036	0.036	0.019	0.018
0.30	0.40	0.99	0.99	-0.008	-0.004	0.035	0.035	0.020	0.017
0.20	0.40	0.98	0.98	-0.008	-0.004	0.038	0.038	0.019	0.016
0.10	0.40	0.99	0.99	-0.009	-0.004	0.039	0.039	0.020	0.017
0.00	0.40	0.99	0.99	-0.006	-0.002	0.037	0.037	0.020	0.019
-0.05	0.40	0.99	0.99	-0.004	-0.002	0.038	0.038	0.020	0.019
-0.10	0.40	1.00	1.00	-0.002	-0.002	0.039	0.039	0.020	0.017
-0.15	0.40	0.99	0.99	-0.003	-0.002	0.036	0.036	0.021	0.018
-0.20	0.40	1.00	1.00	-0.002	-0.001	0.036	0.036	0.019	0.016

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.25	0.40	0.99	0.99	-0.004	-0.002	0.038	0.038	0.020	0.017
-0.30	0.40	1.00	1.00	0.002	-0.002	0.036	0.036	0.020	0.017
-0.35	0.40	1.00	1.00	-0.001	-0.001	0.035	0.035	0.021	0.017
-0.40	0.40	0.99	0.99	-0.003	0.000	0.034	0.034	0.020	0.016
-0.45	0.40	1.00	1.00	-0.004	0.000	0.029	0.029	0.021	0.017
-0.50	0.40	1.00	1.00	-0.003	-0.002	0.036	0.036	0.020	0.015
-0.55	0.40	1.00	1.00	-0.003	-0.004	0.034	0.034	0.020	0.017
-0.60	0.40	1.00	1.00	-0.001	0.000	0.032	0.032	0.018	0.015
-0.65	0.40	1.00	1.00	-0.005	-0.004	0.038	0.038	0.019	0.018
-0.70	0.40	1.00	1.00	-0.008	-0.005	0.037	0.037	0.019	0.019
-0.75	0.40	1.01	1.01	-0.007	-0.002	0.041	0.041	0.019	0.018
-0.80	0.40	1.00	1.00	-0.009	-0.002	0.040	0.040	0.020	0.018
-0.80	0.50	1.00	1.00	-0.005	-0.003	0.039	0.039	0.018	0.020
-0.75	0.50	1.00	1.00	-0.008	-0.005	0.035	0.036	0.020	0.018
-0.70	0.50	1.00	1.00	-0.007	0.000	0.038	0.038	0.019	0.017
-0.65	0.50	1.00	1.00	-0.006	-0.002	0.038	0.038	0.018	0.017
-0.60	0.50	1.00	1.00	-0.005	-0.005	0.037	0.037	0.020	0.017
-0.55	0.50	0.99	0.99	-0.004	-0.004	0.037	0.038	0.021	0.016
-0.50	0.50	1.00	1.00	-0.007	-0.007	0.036	0.036	0.020	0.018
-0.45	0.50	1.00	1.00	-0.008	-0.005	0.038	0.038	0.022	0.018
-0.40	0.50	0.99	0.99	-0.006	-0.005	0.036	0.036	0.019	0.018
-0.35	0.50	0.99	0.99	0.008	-0.006	0.037	0.037	0.019	0.017
-0.30	0.50	0.99	0.99	-0.007	-0.004	0.038	0.038	0.019	0.018
-0.25	0.50	0.99	0.99	-0.009	-0.003	0.037	0.037	0.019	0.017
-0.20	0.50	0.99	0.99	-0.007	-0.005	0.040	0.040	0.020	0.018
-0.15	0.50	0.99	0.99	-0.008	-0.005	0.036	0.036	0.020	0.017
-0.10	0.50	0.99	0.99	-0.003	-0.004	0.037	0.037	0.020	0.018
-0.05	0.50	1.00	1.00	0.006	-0.007	0.038	0.038	0.020	0.021
0.00	0.50	0.99	0.99	-0.010	-0.002	0.039	0.039	0.020	0.019
0.10	0.50	0.99	0.99	-0.012	-0.001	0.039	0.039	0.020	0.018
0.20	0.50	0.97	0.97	-0.014	-0.005	0.037	0.038	0.021	0.018
0.30	0.50	0.99	0.99	-0.013	-0.004	0.036	0.036	0.021	0.017
0.40	0.50	0.98	0.98	-0.014	-0.010	0.035	0.035	0.021	0.019
0.45	0.50	0.98	0.98	0.012	-0.011	0.036	0.036	0.020	0.019
0.50	0.50	0.98	0.98	-0.012	-0.012	0.034	0.034	0.020	0.020
0.55	0.50	0.98	0.98	-0.010	-0.012	0.037	0.037	0.020	0.019
0.60	0.50	0.98	0.98	-0.010	-0.013	0.035	0.035	0.022	0.019
0.65	0.50	0.98	0.98	-0.009	-0.008	0.037	0.037	0.018	0.020
0.70	0.50	0.96	0.96	-0.006	-0.004	0.038	0.038	0.021	0.015
0.75	0.50	0.96	0.96	-0.008	-0.003	0.039	0.040	0.019	0.015
0.80	0.50	0.94	0.94	-0.010	-0.006	0.027	0.027	0.023	0.015
0.80	0.60	0.94	0.94	-0.014	-0.010	0.021	0.021	0.021	0.017
0.75	0.60	0.94	0.94	-0.008	-0.006	0.023	0.023	0.021	0.017
0.70	0.60	0.94	0.94	-0.005	-0.006	0.019	0.020	0.020	0.016
0.65	0.60	0.94	0.94	-0.006	-0.009	0.022	0.022	0.019	0.016
0.60	0.60	0.94	0.94	-0.008	-0.010	0.023	0.023	0.020	0.016
0.55	0.60	0.94	0.94	-0.009	-0.012	0.020	0.020	0.017	0.016
0.50	0.60	0.94	0.93	-0.012	-0.011	0.023	0.023	0.020	0.016
0.45	0.60	0.95	0.93	-0.016	-0.011	0.021	0.021	0.023	0.015
0.40	0.60	0.95	0.95	-0.013	-0.011	0.035	0.035	0.018	0.016
0.30	0.60	0.97	0.97	-0.013	-0.014	0.036	0.036	0.019	0.019
0.20	0.60	0.97	0.97	-0.017	-0.013	0.036	0.036	0.018	0.019
0.10	0.60	0.97	0.97	-0.019	-0.002	0.038	0.038	0.018	0.019
0.00	0.60	0.97	0.97	-0.007	0.005	0.038	0.038	0.022	0.020
-0.05	0.60	0.99	0.99	-0.003	0.000	0.038	0.039	0.021	0.020
0.10	0.60	0.99	0.97	-0.006	-0.005	0.040	0.040	0.020	0.013
-0.15	0.60	1.00	1.00	-0.007	-0.003	0.037	0.037	0.016	0.019
-0.20	0.60	1.00	0.97	-0.007	-0.006	0.041	0.041	0.018	0.017
-0.25	0.60	0.99	0.99	-0.009	-0.002	0.035	0.035	0.020	0.017
-0.30	0.60	0.99	0.99	-0.011	-0.003	0.039	0.039	0.018	0.019

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.35	0.60	0.99	0.99	-0.007	0.000	0.037	0.037	0.019	0.019
-0.40	0.60	0.99	0.99	-0.005	0.000	0.038	0.038	0.022	0.017
-0.45	0.60	0.99	0.99	-0.003	0.000	0.038	0.038	0.017	0.017
-0.50	0.60	0.99	0.99	-0.006	0.000	0.038	0.038	0.021	0.017
-0.55	0.60	0.99	0.99	-0.007	-0.001	0.036	0.036	0.020	0.016
-0.60	0.60	0.99	0.99	-0.002	-0.001	0.035	0.035	0.018	0.016
-0.65	0.60	1.00	1.00	-0.004	-0.002	0.035	0.035	0.021	0.017
-0.70	0.60	1.00	1.00	-0.002	0.000	0.036	0.037	0.020	0.016
-0.75	0.60	1.00	1.00	-0.001	0.000	0.034	0.034	0.019	0.017
-0.80	0.60	1.00	1.00	-0.002	-0.002	0.030	0.030	0.018	0.015
-0.30	0.70	1.00	1.00	-0.001	0.000	0.036	0.036	0.019	0.016
-0.75	0.70	1.00	1.00	-0.005	0.003	0.036	0.036	0.022	0.014
-0.70	0.70	1.00	1.00	-0.006	0.002	0.035	0.035	0.021	0.017
-0.65	0.70	1.00	1.00	-0.006	0.005	0.035	0.035	0.020	0.015
-0.60	0.70	1.00	1.00	-0.008	0.000	0.035	0.035	0.020	0.017
-0.55	0.70	1.00	1.00	-0.006	-0.002	0.035	0.035	0.019	0.017
-0.50	0.70	1.00	1.00	-0.005	-0.001	0.038	0.038	0.021	0.018
-0.45	0.70	1.00	1.00	-0.005	0.000	0.036	0.036	0.021	0.016
-0.40	0.70	1.00	1.00	-0.007	0.001	0.036	0.036	0.020	0.016
-0.35	0.70	0.99	0.99	-0.006	0.000	0.035	0.035	0.020	0.017
-0.30	0.70	0.99	0.99	-0.005	0.000	0.039	0.039	0.019	0.016
-0.25	0.70	1.00	1.00	-0.005	-0.004	0.035	0.035	0.020	0.017
-0.20	0.70	0.99	0.99	-0.005	-0.007	0.036	0.036	0.020	0.017
-0.15	0.70	0.99	0.99	-0.006	-0.010	0.034	0.034	0.019	0.018
-0.10	0.70	0.98	0.98	-0.008	-0.014	0.033	0.033	0.023	0.020
-0.05	0.70	0.96	0.96	-0.006	-0.013	0.028	0.028	0.024	0.021
0.00	0.70	0.94	0.94	-0.008	-0.005	0.034	0.034	0.026	0.024
0.10	0.70	0.92	0.92	-0.008	0.007	0.033	0.033	0.024	0.021
0.20	0.70	0.94	0.93	-0.008	-0.011	0.032	0.032	0.019	0.019
0.30	0.70	0.94	0.94	-0.012	-0.009	0.021	0.021	0.020	0.014
0.40	0.70	0.95	0.95	-0.011	-0.007	0.024	0.024	0.020	0.016
0.45	0.70	0.95	0.94	-0.011	-0.009	0.024	0.024	0.018	0.018
0.50	0.70	0.95	0.95	-0.013	-0.012	0.027	0.027	0.020	0.024
0.55	0.70	0.95	0.95	-0.010	-0.011	0.026	0.026	0.019	0.017
0.60	0.70	0.95	0.95	-0.008	-0.010	0.028	0.028	0.020	0.016
0.65	0.70	0.95	0.95	-0.011	-0.009	0.027	0.027	0.019	0.017
0.70	0.70	0.95	0.95	-0.011	-0.008	0.027	0.027	0.021	0.017
0.75	0.70	0.95	0.95	-0.007	-0.009	0.029	0.029	0.020	0.018
0.80	0.70	0.95	0.95	-0.006	-0.007	0.029	0.029	0.022	0.017
0.80	0.80	0.95	0.95	0.002	-0.008	0.029	0.029	0.021	0.018
0.75	0.80	0.95	0.95	-0.005	-0.005	0.030	0.030	0.020	0.018
0.70	0.80	0.95	0.95	-0.008	-0.008	0.031	0.031	0.019	0.017
0.65	0.80	0.95	0.95	-0.011	-0.008	0.029	0.029	0.019	0.018
0.60	0.80	0.95	0.95	0.015	-0.011	0.029	0.029	0.020	0.017
0.55	0.80	0.95	0.95	-0.018	-0.010	0.029	0.029	0.020	0.016
0.50	0.80	0.94	0.94	-0.014	-0.012	0.027	0.028	0.017	0.017
0.45	0.80	0.75	0.94	0.014	-0.011	0.027	0.027	0.018	0.017
0.40	0.80	0.95	0.95	-0.013	-0.007	0.028	0.028	0.020	0.017
0.30	0.80	0.95	0.75	-0.011	-0.008	0.027	0.027	0.019	0.017
0.20	0.80	0.94	0.94	-0.007	-0.010	0.033	0.033	0.018	0.019
0.10	0.80	0.90	0.90	-0.008	0.003	0.029	0.029	0.023	0.020
0.00	0.80	0.91	0.91	-0.012	0.002	0.024	0.024	0.023	0.019
-0.05	0.80	0.93	0.93	-0.015	-0.007	0.020	0.020	0.022	0.016
-0.10	0.80	0.94	0.94	-0.014	-0.008	0.027	0.022	0.023	0.016
-0.15	0.80	0.94	0.94	-0.011	-0.009	0.025	0.025	0.021	0.017
-0.20	0.80	0.94	0.94	-0.006	-0.010	0.028	0.028	0.017	0.017
-0.25	0.80	0.95	0.95	-0.007	-0.006	0.030	0.030	0.020	0.018
-0.30	0.80	0.95	0.95	-0.003	-0.002	0.032	0.032	0.019	0.018
-0.35	0.80	0.97	0.97	-0.005	-0.003	0.035	0.035	0.020	0.018
-0.40	0.80	0.79	0.99	-0.006	0.002	0.034	0.034	0.020	0.018
-0.45	0.80	1.00	1.00	-0.004	0.005	0.031	0.031	0.021	0.015
-0.50	0.80	1.00	1.00	-0.007	0.005	0.029	0.029	0.022	0.016
-0.55	0.80	0.99	0.99	-0.004	0.002	0.032	0.032	0.017	0.016
-0.60	0.80	1.00	1.00	-0.004	0.004	0.034	0.034	0.019	0.016
-0.65	0.80	1.00	1.00	-0.005	0.004	0.028	0.028	0.020	0.017
-0.70	0.80	1.00	1.00	-0.002	0.004	0.029	0.029	0.019	0.019
-0.75	0.80	1.00	1.00	-0.001	0.005	0.029	0.029	0.019	0.016
-0.80	0.80	1.00	1.00	0.004	0.003	0.026	0.026	0.018	0.015

Table D-2, Station 4, $\theta = 0^o$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	0.00	1.03	1.03	-0.002	-0.007	0.030	0.031	0.023	0.021
0.70	0.00	1.04	1.04	-0.019	-0.004	0.033	0.033	0.024	0.020
0.60	0.00	1.04	1.04	-0.028	-0.007	0.033	0.034	0.018	0.020
0.50	0.00	1.05	1.05	-0.033	-0.002	0.031	0.031	0.019	0.021
0.40	0.00	1.05	1.05	-0.034	-0.009	0.038	0.039	0.019	0.022
0.30	0.00	1.05	1.05	-0.027	-0.014	0.036	0.037	0.021	0.023
0.20	0.00	1.06	1.06	-0.033	-0.007	0.041	0.041	0.020	0.021
0.10	0.00	1.06	1.06	-0.031	-0.011	0.041	0.041	0.020	0.021
0.00	0.00	1.07	1.07	-0.030	-0.009	0.040	0.041	0.019	0.021
-0.10	0.00	1.07	1.07	-0.031	-0.008	0.042	0.042	0.019	0.021
-0.20	0.00	1.08	1.08	-0.029	-0.014	0.040	0.040	0.020	0.020
-0.30	0.00	1.09	1.09	-0.027	-0.010	0.042	0.042	0.020	0.019
-0.40	0.00	1.09	1.09	-0.026	-0.013	0.043	0.043	0.018	0.021
-0.50	0.00	1.10	1.10	-0.029	-0.009	0.044	0.045	0.017	0.021
-0.55	0.00	1.11	1.11	-0.027	-0.011	0.043	0.043	0.019	0.020
-0.60	0.00	1.11	1.11	-0.027	-0.011	0.042	0.042	0.017	0.021
-0.65	0.00	1.12	1.12	-0.025	-0.011	0.041	0.041	0.017	0.023
-0.70	0.00	1.13	1.13	-0.021	-0.010	0.041	0.041	0.018	0.022
-0.75	0.00	1.13	1.13	-0.019	-0.008	0.041	0.041	0.017	0.021
-0.80	0.00	1.14	1.14	-0.016	-0.008	0.042	0.042	0.016	0.021
-0.80	-0.10	1.14	1.14	-0.014	-0.010	0.041	0.041	0.020	0.023
-0.75	-0.10	1.13	1.13	-0.017	-0.011	0.040	0.040	0.019	0.021
-0.70	-0.10	1.13	1.13	-0.022	-0.010	0.040	0.040	0.019	0.021
-0.65	-0.10	1.12	1.12	-0.023	-0.008	0.040	0.040	0.019	0.022
-0.60	-0.10	1.12	1.12	-0.029	-0.009	0.041	0.041	0.020	0.022
-0.55	-0.10	1.11	1.11	-0.030	-0.008	0.044	0.044	0.018	0.021
-0.50	-0.10	1.11	1.11	-0.030	-0.009	0.046	0.046	0.021	0.021
-0.40	-0.10	1.10	1.10	-0.026	-0.010	0.048	0.048	0.019	0.020
-0.30	-0.10	1.10	1.10	-0.026	-0.012	0.044	0.044	0.020	0.022
-0.20	-0.10	1.08	1.08	-0.027	-0.014	0.043	0.043	0.020	0.023
-0.10	-0.10	1.07	1.07	-0.027	-0.012	0.046	0.046	0.022	0.021
0.00	0.10	1.07	1.07	-0.029	-0.010	0.039	0.039	0.020	0.021
0.10	-0.10	1.06	1.06	-0.032	-0.013	0.038	0.038	0.020	0.021
0.20	-0.10	1.05	1.05	-0.037	-0.008	0.034	0.035	0.019	0.021
0.30	-0.10	1.05	1.05	-0.031	-0.010	0.035	0.035	0.020	0.022
0.40	-0.10	1.05	1.05	-0.036	-0.004	0.035	0.035	0.018	0.021
0.50	-0.10	1.05	1.05	-0.034	-0.006	0.037	0.037	0.019	0.022
0.60	0.10	1.04	1.04	-0.032	-0.003	0.033	0.033	0.020	0.019
0.70	-0.10	1.04	1.04	-0.023	-0.005	0.032	0.032	0.025	0.022
0.80	-0.10	1.03	1.03	-0.010	-0.004	0.030	0.030	0.027	0.021
0.00	-0.20	1.03	1.03	-0.014	-0.001	0.032	0.032	0.026	0.020
0.70	-0.20	1.04	1.04	-0.017	-0.001	0.030	0.030	0.024	0.021
0.60	-0.20	1.04	1.04	-0.029	-0.005	0.034	0.034	0.020	0.022
0.50	-0.20	1.05	1.05	-0.033	-0.002	0.032	0.032	0.020	0.022
0.40	-0.20	1.05	1.05	-0.035	-0.007	0.037	0.037	0.020	0.023
0.30	-0.20	1.05	1.05	-0.035	-0.007	0.038	0.038	0.021	0.021
0.20	-0.20	1.06	1.06	-0.036	-0.007	0.039	0.039	0.021	0.021
0.10	-0.20	1.06	1.06	-0.032	-0.012	0.037	0.038	0.021	0.023
0.00	-0.20	1.06	1.06	-0.031	-0.011	0.042	0.042	0.020	0.021
-0.10	-0.20	1.07	1.07	-0.034	-0.008	0.039	0.039	0.021	0.022
-0.20	-0.20	1.08	1.08	-0.032	-0.014	0.048	0.048	0.019	0.021
-0.30	-0.20	1.09	1.09	-0.033	-0.013	0.045	0.046	0.020	0.022
-0.40	-0.20	1.10	1.09	-0.034	-0.012	0.041	0.041	0.022	0.020
-0.50	0.20	1.11	1.11	-0.033	-0.015	0.044	0.044	0.019	0.020
-0.55	-0.20	1.11	1.11	-0.030	-0.012	0.045	0.045	0.018	0.022
-0.60	-0.20	1.11	1.11	-0.028	-0.013	0.041	0.041	0.019	0.023
-0.65	-0.20	1.11	1.11	-0.025	-0.012	0.040	0.040	0.020	0.022
-0.70	-0.20	1.12	1.12	-0.027	-0.014	0.038	0.038	0.019	0.022
-0.75	-0.20	1.13	1.13	-0.023	-0.009	0.038	0.038	0.019	0.022
-0.80	-0.20	1.14	1.14	-0.021	-0.010	0.041	0.041	0.019	0.021

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.30	1.14	1.13	-0.023	-0.008	0.039	0.039	0.017	0.022
-0.75	-0.30	1.13	1.13	-0.025	-0.012	0.040	0.041	0.019	0.022
-0.70	-0.30	1.13	1.13	-0.025	-0.012	0.042	0.042	0.018	0.022
-0.65	-0.30	1.13	1.13	-0.023	-0.011	0.044	0.044	0.021	0.024
-0.60	-0.30	1.12	1.11	-0.027	-0.012	0.045	0.045	0.020	0.020
-0.55	-0.30	1.10	1.10	-0.028	-0.013	0.042	0.042	0.021	0.022
-0.50	-0.30	1.10	1.10	-0.033	-0.012	0.048	0.048	0.019	0.021
-0.40	-0.30	1.10	1.10	-0.033	-0.010	0.046	0.046	0.021	0.020
-0.30	-0.30	1.09	1.08	-0.030	-0.008	0.048	0.048	0.022	0.021
-0.20	-0.30	1.08	1.08	-0.029	-0.012	0.046	0.047	0.021	0.022
-0.10	-0.30	1.07	1.07	-0.028	-0.009	0.044	0.044	0.019	0.022
0.00	-0.30	1.06	1.06	-0.025	-0.010	0.039	0.039	0.021	0.022
0.10	-0.30	1.06	1.06	-0.027	-0.011	0.040	0.040	0.019	0.022
0.20	-0.30	1.05	1.05	-0.030	-0.010	0.039	0.040	0.019	0.022
0.30	-0.30	1.05	1.05	-0.030	-0.008	0.039	0.039	0.021	0.022
0.40	-0.30	1.04	1.04	-0.028	-0.006	0.034	0.034	0.020	0.022
0.50	-0.30	1.04	1.04	-0.031	0.002	0.035	0.035	0.018	0.021
0.60	-0.30	1.04	1.03	-0.025	-0.006	0.034	0.034	0.021	0.020
0.70	-0.30	1.03	1.03	-0.016	-0.008	0.034	0.034	0.026	0.022
0.80	-0.30	1.03	1.03	-0.016	-0.005	0.029	0.029	0.026	0.020
0.80	-0.40	1.02	1.02	-0.017	-0.007	0.029	0.029	0.024	0.022
0.70	-0.40	1.03	1.03	-0.023	-0.010	0.031	0.032	0.029	0.021
0.60	-0.40	1.03	1.03	-0.022	-0.011	0.035	0.035	0.027	0.021
0.50	-0.40	1.04	1.04	-0.028	-0.012	0.037	0.037	0.022	0.022
0.40	-0.40	1.05	1.05	-0.027	-0.013	0.038	0.038	0.019	0.021
0.30	-0.40	1.05	1.05	-0.028	-0.013	0.040	0.040	0.020	0.021
0.20	-0.40	1.06	1.06	-0.030	-0.011	0.038	0.038	0.021	0.019
0.10	-0.40	1.06	1.06	-0.029	-0.010	0.040	0.040	0.023	0.022
0.00	-0.40	1.07	1.07	-0.030	-0.013	0.041	0.041	0.021	0.022
-0.10	-0.40	1.07	1.07	-0.032	-0.010	0.043	0.043	0.023	0.021
-0.20	-0.40	1.08	1.08	-0.035	-0.012	0.049	0.050	0.022	0.022
-0.30	-0.40	1.09	1.09	-0.035	-0.011	0.048	0.048	0.021	0.022
-0.40	-0.40	1.10	1.10	-0.033	-0.012	0.044	0.044	0.020	0.021
-0.50	-0.40	1.10	1.10	-0.028	-0.014	0.042	0.042	0.021	0.020
-0.55	-0.40	1.12	1.12	-0.026	-0.012	0.047	0.047	0.021	0.020
-0.60	-0.40	1.11	1.11	-0.025	-0.013	0.043	0.043	0.020	0.022
-0.65	-0.40	1.12	1.12	-0.025	-0.014	0.047	0.047	0.020	0.022
-0.70	-0.40	1.12	1.12	-0.020	-0.009	0.040	0.040	0.021	0.021
-0.75	-0.40	1.13	1.12	-0.023	-0.011	0.040	0.040	0.018	0.022
-0.80	-0.40	1.13	1.13	-0.020	-0.009	0.043	0.043	0.020	0.022
-0.80	-0.50	1.13	1.13	-0.021	-0.007	0.041	0.041	0.020	0.023
-0.75	-0.50	1.12	1.12	-0.020	-0.009	0.041	0.041	0.021	0.022
-0.70	-0.50	1.13	1.12	-0.023	-0.013	0.042	0.042	0.020	0.022
-0.65	-0.50	1.12	1.12	-0.024	-0.010	0.045	0.045	0.018	0.022
-0.60	-0.50	1.11	1.11	-0.027	-0.010	0.043	0.043	0.019	0.023
-0.55	-0.50	1.11	1.11	-0.027	-0.010	0.044	0.044	0.021	0.022
-0.50	-0.50	1.10	1.10	-0.027	-0.011	0.045	0.045	0.023	0.022
-0.40	-0.50	1.09	1.09	-0.029	-0.010	0.046	0.046	0.022	0.022
-0.30	-0.50	1.08	1.08	-0.034	-0.010	0.045	0.045	0.022	0.024
-0.20	-0.50	1.08	1.07	-0.034	-0.013	0.045	0.045	0.021	0.022
-0.10	-0.50	1.07	1.07	-0.031	-0.010	0.043	0.043	0.022	0.021
0.00	-0.50	1.06	1.06	-0.035	-0.010	0.045	0.045	0.021	0.021
0.10	-0.50	1.06	1.06	-0.029	-0.010	0.041	0.041	0.022	0.023
0.20	-0.50	1.06	1.06	-0.031	-0.008	0.041	0.042	0.020	0.021
0.30	-0.50	1.05	1.05	-0.028	-0.010	0.046	0.046	0.020	0.023
0.40	-0.50	1.05	1.05	-0.028	-0.011	0.037	0.037	0.019	0.023
0.50	-0.50	1.04	1.03	-0.026	-0.008	0.034	0.034	0.021	0.022
0.60	-0.50	1.04	1.04	-0.018	-0.008	0.038	0.038	0.027	0.021
0.70	-0.50	1.03	1.03	-0.018	-0.005	0.033	0.033	0.028	0.021
0.80	-0.50	1.02	1.02	-0.017	-0.004	0.029	0.029	0.024	0.024

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	-0.60	1.02	1.02	-0.018	-0.001	0.031	0.031	0.025	0.026
0.70	-0.60	1.03	1.03	-0.019	-0.006	0.033	0.033	0.027	0.022
0.60	-0.60	1.03	1.03	-0.022	-0.009	0.034	0.034	0.026	0.021
0.50	-0.60	1.04	1.04	-0.027	-0.011	0.039	0.039	0.022	0.023
0.40	-0.60	1.05	1.05	-0.033	-0.006	0.039	0.039	0.030	0.023
0.30	-0.60	1.05	1.05	-0.033	-0.007	0.042	0.042	0.026	0.022
0.20	-0.60	1.05	1.05	-0.033	-0.013	0.037	0.037	0.026	0.022
0.10	-0.60	1.06	1.06	-0.029	-0.015	0.038	0.038	0.023	0.019
0.00	-0.60	1.06	1.06	-0.036	-0.014	0.047	0.047	0.034	0.022
-0.10	-0.60	1.08	1.07	-0.038	-0.005	0.042	0.042	0.026	0.022
-0.20	-0.60	1.09	1.09	-0.032	-0.008	0.042	0.042	0.022	0.022
-0.30	-0.60	1.10	1.10	-0.035	-0.005	0.042	0.042	0.024	0.022
-0.40	-0.60	1.10	1.10	-0.033	-0.004	0.045	0.045	0.022	0.021
-0.50	-0.60	1.11	1.11	-0.031	-0.003	0.042	0.042	0.020	0.021
-0.55	-0.60	1.11	1.11	-0.026	-0.007	0.040	0.040	0.021	0.022
-0.60	-0.60	1.12	1.12	-0.026	-0.005	0.044	0.045	0.020	0.021
-0.65	-0.60	1.13	1.13	-0.026	-0.002	0.045	0.045	0.020	0.024
-0.70	-0.60	1.13	1.13	-0.021	-0.010	0.043	0.043	0.020	0.021
-0.75	-0.60	1.13	1.13	-0.019	-0.007	0.041	0.041	0.020	0.021
-0.80	-0.60	1.14	1.14	-0.020	-0.003	0.044	0.045	0.020	0.021
-0.80	-0.70	1.13	1.13	-0.019	-0.005	0.045	0.045	0.020	0.022
-0.75	-0.70	1.13	1.13	-0.021	-0.006	0.049	0.049	0.020	0.022
-0.70	-0.70	1.12	1.12	-0.022	-0.010	0.044	0.044	0.021	0.022
0.65	-0.70	1.12	1.12	-0.027	-0.009	0.042	0.042	0.022	0.021
-0.60	-0.70	1.12	1.12	-0.026	-0.007	0.043	0.043	0.022	0.022
-0.55	-0.70	1.11	1.11	-0.025	-0.010	0.044	0.044	0.022	0.021
-0.50	-0.70	1.10	1.10	-0.028	-0.008	0.047	0.047	0.022	0.023
-0.40	-0.70	1.10	1.10	-0.036	-0.007	0.044	0.044	0.020	0.023
-0.30	-0.70	1.09	1.09	-0.033	-0.006	0.045	0.045	0.021	0.022
-0.20	0.70	1.08	1.08	-0.036	-0.008	0.041	0.041	0.023	0.023
-0.10	-0.70	1.08	1.08	-0.037	-0.008	0.043	0.044	0.022	0.023
0.00	-0.70	1.08	1.08	-0.037	-0.004	0.047	0.047	0.021	0.023
0.10	-0.70	1.07	1.06	-0.034	-0.008	0.041	0.041	0.023	0.022
0.20	-0.70	1.06	1.06	-0.035	-0.006	0.038	0.038	0.022	0.024
0.30	-0.70	1.06	1.06	-0.031	-0.006	0.038	0.039	0.021	0.023
0.40	-0.70	1.06	1.05	-0.025	-0.004	0.038	0.038	0.023	0.023
0.50	-0.70	1.04	1.04	-0.021	-0.002	0.034	0.034	0.024	0.021
0.60	-0.70	1.04	1.04	-0.019	-0.004	0.037	0.037	0.028	0.022
0.70	-0.70	1.03	1.03	-0.017	-0.010	0.031	0.032	0.027	0.023
0.80	-0.70	1.01	1.01	-0.017	-0.004	0.032	0.032	0.023	0.030
0.80	-0.80	0.99	0.99	-0.019	-0.007	0.042	0.042	0.023	0.037
0.70	-0.80	1.03	1.03	-0.017	-0.007	0.031	0.031	0.026	0.027
0.60	-0.80	1.04	1.03	-0.023	-0.005	0.037	0.037	0.030	0.024
0.50	-0.80	1.04	1.04	-0.020	-0.002	0.038	0.038	0.029	0.021
0.40	-0.80	1.05	1.04	-0.028	-0.003	0.038	0.038	0.023	0.022
0.30	-0.80	1.05	1.05	-0.032	-0.008	0.042	0.042	0.023	0.024
0.20	-0.80	1.05	1.05	-0.036	-0.007	0.040	0.041	0.022	0.022
0.10	-0.80	1.06	1.06	-0.038	-0.008	0.040	0.041	0.021	0.023
0.00	-0.80	1.07	1.07	-0.037	-0.010	0.048	0.048	0.024	0.023
-0.10	-0.80	1.07	1.07	-0.037	-0.008	0.044	0.044	0.024	0.023
-0.20	-0.80	1.08	1.08	-0.038	-0.003	0.044	0.044	0.021	0.022
-0.30	-0.80	1.09	1.09	-0.034	-0.008	0.040	0.041	0.023	0.021
-0.40	-0.80	1.09	1.09	-0.033	-0.005	0.044	0.044	0.021	0.022
-0.50	-0.80	1.10	1.10	-0.027	-0.006	0.044	0.045	0.022	0.021
-0.55	-0.80	1.11	1.11	-0.026	-0.010	0.044	0.044	0.022	0.021
-0.60	-0.80	1.11	1.11	-0.028	-0.011	0.043	0.043	0.019	0.022
-0.65	-0.80	1.11	1.11	-0.026	-0.008	0.049	0.049	0.026	0.022
-0.70	-0.80	1.12	1.11	-0.023	-0.008	0.043	0.044	0.020	0.022
-0.75	-0.80	1.12	1.12	-0.020	-0.005	0.044	0.044	0.019	0.022
-0.80	-0.80	1.13	1.13	-0.019	-0.002	0.041	0.041	0.022	0.022

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.80	-0.90	1.11	1.11	-0.019	0.001	0.053	0.053	0.032	0.030
-0.75	-0.90	1.11	1.11	-0.028	0.003	0.051	0.051	0.028	0.028
-0.70	-0.90	1.11	1.11	-0.028	0.000	0.045	0.045	0.030	0.025
-0.65	-0.90	1.11	1.11	-0.029	-0.003	0.046	0.046	0.028	0.026
-0.60	-0.90	1.12	1.12	-0.035	-0.003	0.042	0.043	0.024	0.022
-0.55	-0.90	1.11	1.11	-0.037	-0.004	0.044	0.044	0.024	0.023
-0.50	-0.90	1.11	1.11	-0.035	-0.001	0.042	0.043	0.024	0.021
-0.40	-0.90	1.09	1.09	-0.036	-0.002	0.042	0.042	0.024	0.024
-0.30	-0.90	1.09	1.09	-0.038	0.000	0.040	0.040	0.025	0.021
-0.20	-0.90	1.09	1.08	-0.042	0.004	0.038	0.038	0.024	0.022
-0.10	-0.90	1.08	1.07	-0.036	-0.001	0.041	0.041	0.023	0.021
0.00	-0.90	1.07	1.07	-0.039	0.001	0.035	0.035	0.022	0.022
0.10	-0.90	1.07	1.07	-0.044	0.006	0.036	0.036	0.023	0.019
0.20	-0.90	1.06	1.06	-0.048	0.010	0.052	0.044	0.071	0.165
0.30	-0.90	1.06	1.06	-0.042	0.014	0.032	0.030	0.023	0.048
0.40	-0.90	1.04	1.03	-0.030	0.014	0.035	0.036	0.022	0.050
0.50	-0.90	1.03	1.02	-0.029	0.002	0.036	0.036	0.032	0.027
0.60	-0.90	0.99	0.99	-0.029	0.004	0.054	0.054	0.029	0.033
0.70	-0.90	0.97	0.97	-0.024	-0.003	0.058	0.058	0.029	0.036
0.80	-0.90	0.92	0.92	-0.012	-0.007	0.067	0.067	0.026	0.041
-0.80	-0.95	0.99	0.98	-0.023	0.006	0.058	0.058	0.056	0.038
-0.75	-0.95	0.99	0.98	-0.032	0.008	0.065	0.064	0.046	0.040
-0.70	-0.95	0.98	0.98	-0.021	0.001	0.066	0.066	0.045	0.045
-0.65	-0.95	1.01	1.01	-0.042	-0.006	0.066	0.066	0.044	0.036
-0.60	-0.95	1.00	1.00	-0.026	0.000	0.074	0.074	0.042	0.037
-0.55	-0.95	1.00	1.00	-0.037	0.003	0.072	0.073	0.040	0.043
-0.50	-0.95	1.00	1.00	-0.044	0.006	0.076	0.076	0.039	0.035
-0.40	-0.95	1.00	1.00	0.000	0.003	0.070	0.070	0.007	0.044
-0.30	-0.95	0.98	0.98	-0.049	0.002	0.066	0.066	0.030	0.038
-0.20	-0.95	0.99	0.99	-0.057	0.003	0.086	0.086	0.042	0.034
-0.10	-0.95	1.00	1.00	-0.060	-0.003	0.062	0.063	0.034	0.043
0.00	-0.95	0.96	0.96	-0.058	0.009	0.075	0.076	0.049	0.044
0.10	-0.95	0.98	0.98	-0.055	0.010	0.070	0.070	0.042	0.034
0.20	-0.95	0.98	0.97	-0.062	0.006	0.057	0.057	0.041	0.032
0.30	-0.95	0.92	0.91	-0.057	0.003	0.079	0.077	0.045	0.038
0.40	-0.95	0.90	0.87	-0.033	0.013	0.077	0.078	0.032	0.046
0.50	-0.95	0.86	0.86	-0.028	0.021	0.065	0.066	0.026	0.047
0.60	-0.95	0.85	0.84	-0.034	0.011	0.078	0.079	0.016	0.050
0.70	-0.95	0.75	0.75	-0.032	0.008	0.103	0.104	0.034	0.055
0.80	-0.95	0.77	0.77	-0.015	-0.006	0.096	0.096	0.031	0.046
-0.80	-0.96	0.93	0.93	-0.018	0.010	0.071	0.071	0.058	0.036
-0.75	-0.96	0.94	0.93	-0.020	0.009	0.073	0.073	0.037	0.055
-0.70	-0.96	0.96	0.95	-0.038	0.003	0.080	0.080	0.041	0.045
-0.65	-0.96	0.96	0.96	-0.028	0.012	0.074	0.074	0.043	0.041
-0.60	-0.96	0.94	0.94	-0.041	0.007	0.066	0.065	0.040	0.049
-0.55	-0.96	0.93	0.93	-0.033	0.009	0.081	0.081	0.053	0.040
-0.50	-0.96	0.97	0.96	-0.047	-0.004	0.073	0.073	0.042	0.044
-0.40	-0.96	0.98	0.97	-0.038	0.000	0.061	0.061	0.042	0.040
-0.30	-0.96	0.96	0.95	-0.052	-0.001	0.090	0.090	0.058	0.042
-0.20	-0.96	0.94	0.94	-0.041	0.010	0.062	0.063	0.047	0.036
-0.10	-0.96	0.94	0.93	-0.065	0.003	0.078	0.077	0.043	0.039
0.00	-0.96	0.91	0.91	-0.044	-0.002	0.072	0.072	0.048	0.034
0.10	-0.96	0.89	0.88	-0.034	0.008	0.081	0.082	0.043	0.048
0.20	-0.96	0.88	0.88	-0.046	-0.005	0.100	0.100	0.044	0.035
0.30	-0.96	0.88	0.87	-0.042	0.006	0.090	0.090	0.039	0.037
0.40	-0.96	0.82	0.82	-0.036	0.012	0.082	0.083	0.023	0.051
0.50	-0.96	0.81	0.81	-0.030	0.004	0.090	0.090	0.021	0.042
0.60	-0.96	0.81	0.80	-0.018	0.004	0.096	0.096	0.017	0.125
0.70	-0.96	0.73	0.73	-0.025	0.004	0.102	0.103	0.032	0.047
0.80	-0.96	0.72	0.72	-0.015	0.007	0.100	0.100	0.036	0.054

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	0.00	1.03	1.02	-0.019	-0.004	0.031	0.031	0.022	0.020
0.60	0.00	1.03	1.03	-0.025	-0.005	0.030	0.030	0.017	0.019
0.50	0.00	1.04	1.04	-0.030	-0.007	0.035	0.035	0.019	0.020
0.40	0.00	1.04	1.04	-0.032	-0.006	0.033	0.033	0.019	0.019
0.30	0.00	1.05	1.05	-0.035	-0.007	0.039	0.039	0.020	0.020
0.20	0.00	1.06	1.05	-0.036	-0.006	0.038	0.038	0.019	0.021
0.10	0.00	1.06	1.06	-0.038	-0.009	0.037	0.037	0.019	0.021
0.00	0.00	1.07	1.07	-0.041	-0.010	0.040	0.040	0.021	0.021
-0.10	0.00	1.07	1.07	-0.040	-0.007	0.038	0.038	0.020	0.021
-0.20	0.00	1.09	1.08	-0.042	-0.010	0.042	0.043	0.019	0.020
-0.30	0.00	1.08	1.08	-0.037	-0.012	0.041	0.041	0.020	0.021
-0.40	0.00	1.09	1.09	-0.033	-0.009	0.039	0.039	0.021	0.021
-0.50	0.00	1.10	1.10	-0.032	-0.011	0.046	0.046	0.019	0.021
-0.55	0.00	1.10	1.10	-0.031	-0.008	0.041	0.041	0.021	0.021
-0.60	0.00	1.11	1.11	-0.030	-0.007	0.043	0.043	0.017	0.022
-0.65	0.00	1.11	1.11	-0.027	-0.009	0.042	0.042	0.020	0.021
-0.70	0.00	1.12	1.12	-0.026	-0.008	0.041	0.041	0.018	0.020
-0.75	0.00	1.12	1.12	-0.022	-0.007	0.038	0.038	0.019	0.022
-0.80	0.00	1.13	1.13	-0.015	-0.003	0.036	0.036	0.019	0.021
-0.50	0.10	1.12	1.12	-0.016	-0.005	0.043	0.043	0.018	0.021
-0.75	0.10	1.12	1.12	-0.017	-0.007	0.040	0.040	0.018	0.021
-0.70	0.10	1.11	1.11	-0.020	-0.007	0.041	0.041	0.019	0.022
-0.65	0.10	1.11	1.11	-0.024	-0.009	0.040	0.041	0.018	0.020
-0.60	0.10	1.11	1.11	-0.030	-0.007	0.041	0.041	0.018	0.022
-0.55	0.10	1.10	1.10	-0.028	-0.007	0.043	0.044	0.017	0.022
-0.50	0.10	1.10	1.10	-0.028	-0.008	0.042	0.042	0.020	0.020
-0.40	0.10	1.09	1.09	-0.035	-0.009	0.041	0.041	0.018	0.020
-0.30	0.10	1.09	1.09	-0.038	-0.008	0.043	0.043	0.019	0.021
-0.20	0.10	1.08	1.08	-0.039	-0.009	0.040	0.041	0.019	0.020
-0.10	0.10	1.07	1.07	-0.041	-0.008	0.042	0.042	0.020	0.023
0.00	0.10	1.06	1.06	-0.039	-0.007	0.039	0.039	0.018	0.022
0.10	0.10	1.07	1.07	-0.037	-0.009	0.037	0.037	0.019	0.021
0.20	0.10	1.06	1.06	-0.037	-0.006	0.038	0.038	0.020	0.020
0.30	0.10	1.05	1.05	-0.036	-0.007	0.032	0.032	0.020	0.020
0.40	0.10	1.04	1.04	-0.032	-0.007	0.033	0.033	0.019	0.021
0.50	0.10	1.04	1.04	-0.027	-0.006	0.032	0.033	0.019	0.022
0.60	0.10	1.04	1.03	-0.028	-0.004	0.036	0.036	0.017	0.020
0.70	0.10	1.03	1.03	-0.021	-0.006	0.031	0.032	0.022	0.023
0.80	0.10	1.02	1.02	-0.014	-0.001	0.029	0.029	0.023	0.021
0.80	0.20	1.02	1.02	-0.019	0.001	0.030	0.030	0.024	0.020
0.70	0.20	1.03	1.03	-0.024	-0.002	0.034	0.034	0.018	0.020
0.60	0.20	1.03	1.03	-0.029	-0.003	0.034	0.034	0.019	0.020
0.50	0.20	1.04	1.04	-0.032	-0.004	0.033	0.033	0.019	0.020
0.40	0.20	1.04	1.04	-0.036	-0.006	0.033	0.032	0.019	0.021
0.30	0.20	1.05	1.05	-0.042	-0.007	0.039	0.040	0.020	0.021
0.20	0.20	1.06	1.06	-0.040	-0.008	0.039	0.040	0.019	0.021
0.10	0.20	1.06	1.06	-0.043	-0.006	0.038	0.038	0.021	0.022
0.00	0.20	1.07	1.07	-0.045	-0.008	0.038	0.038	0.022	0.022
-0.10	0.20	1.08	1.08	-0.044	-0.009	0.041	0.041	0.021	0.020
-0.20	0.20	1.09	1.09	-0.039	-0.007	0.043	0.043	0.021	0.021
-0.30	0.20	1.09	1.09	-0.042	-0.009	0.038	0.038	0.020	0.020
-0.40	0.20	1.10	1.10	-0.035	-0.007	0.041	0.041	0.021	0.022
-0.50	0.20	1.11	1.11	-0.034	-0.006	0.043	0.043	0.021	0.021
-0.55	0.20	1.12	1.12	-0.032	-0.007	0.044	0.044	0.020	0.022
-0.60	0.20	1.12	1.12	-0.028	-0.009	0.042	0.042	0.020	0.021
-0.65	0.20	1.13	1.13	-0.026	-0.010	0.041	0.041	0.020	0.021
-0.70	0.20	1.13	1.13	-0.024	-0.006	0.042	0.042	0.021	0.021
-0.75	0.20	1.13	1.13	-0.022	-0.005	0.044	0.044	0.018	0.020
-0.80	0.20	1.14	1.14	-0.020	-0.001	0.040	0.040	0.024	0.019
-0.80	0.30	1.14	1.14	-0.013	-0.002	0.041	0.041	0.017	0.021

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
-0.75	0.30	1.13	1.13	-0.016	-0.002	0.039	0.039	0.018	0.020
-0.70	0.30	1.13	1.13	-0.024	-0.007	0.038	0.038	0.018	0.021
-0.65	0.30	1.12	1.12	-0.027	-0.007	0.039	0.039	0.019	0.023
-0.60	0.30	1.12	1.12	-0.029	-0.007	0.040	0.040	0.019	0.023
-0.55	0.30	1.11	1.11	-0.033	-0.004	0.040	0.040	0.019	0.023
-0.50	0.30	1.11	1.11	-0.033	-0.007	0.040	0.040	0.020	0.022
-0.40	0.30	1.10	1.10	-0.038	-0.006	0.040	0.040	0.020	0.022
-0.30	0.30	1.09	1.09	-0.041	-0.007	0.041	0.041	0.021	0.023
-0.20	0.30	1.09	1.09	-0.044	-0.007	0.042	0.043	0.021	0.022
-0.10	0.30	1.08	1.08	-0.041	-0.005	0.039	0.039	0.021	0.021
0.00	0.30	1.07	1.07	-0.046	-0.007	0.039	0.040	0.021	0.022
0.10	0.30	1.06	1.06	-0.044	-0.003	0.041	0.041	0.022	0.022
0.20	0.30	1.05	1.05	-0.048	-0.006	0.037	0.037	0.019	0.021
0.30	0.30	1.05	1.05	-0.041	-0.006	0.037	0.037	0.021	0.021
0.40	0.30	1.04	1.04	-0.040	-0.005	0.034	0.035	0.019	0.020
0.50	0.30	1.04	1.04	-0.035	-0.004	0.034	0.034	0.017	0.020
0.60	0.30	1.03	1.03	-0.034	-0.002	0.034	0.034	0.017	0.019
0.70	0.30	1.03	1.03	-0.027	-0.003	0.031	0.031	0.016	0.019
0.80	0.30	1.02	1.02	-0.014	-0.002	0.029	0.029	0.023	0.021
0.80	0.40	1.02	1.02	-0.019	-0.009	0.038	0.039	0.017	0.023
0.70	0.40	1.02	1.02	-0.027	-0.002	0.039	0.039	0.017	0.021
0.60	0.40	1.03	1.03	-0.032	-0.001	0.038	0.039	0.018	0.019
0.50	0.40	1.04	1.04	-0.039	-0.004	0.035	0.035	0.018	0.021
0.40	0.40	1.05	1.05	-0.044	-0.007	0.035	0.035	0.017	0.020
0.30	0.40	1.05	1.05	-0.049	-0.005	0.035	0.035	0.018	0.019
0.20	0.40	1.06	1.06	-0.049	-0.005	0.036	0.036	0.020	0.019
0.10	0.40	1.06	1.06	-0.054	-0.006	0.037	0.036	0.019	0.027
0.00	0.40	1.07	1.07	-0.051	-0.004	0.039	0.039	0.019	0.020
-0.10	0.40	1.08	1.08	-0.045	-0.005	0.039	0.039	0.021	0.022
-0.20	0.40	1.09	1.09	-0.046	-0.006	0.044	0.044	0.023	0.02.
-0.30	0.40	1.10	1.09	-0.042	-0.005	0.042	0.042	0.019	0.020
-0.40	0.40	1.10	1.10	-0.038	-0.003	0.040	0.040	0.020	0.021
-0.50	0.40	1.11	1.11	-0.040	-0.007	0.039	0.040	0.019	0.021
-0.55	0.40	1.12	1.11	-0.035	-0.005	0.041	0.041	0.020	0.020
-0.60	0.40	1.12	1.12	-0.035	-0.007	0.040	0.040	0.019	0.021
-0.65	0.40	1.13	1.13	-0.031	0.000	0.042	0.042	0.019	0.019
-0.70	0.40	1.13	1.12	-0.028	-0.004	0.040	0.040	0.017	0.019
-0.75	0.40	1.13	1.13	-0.024	-0.001	0.041	0.041	0.017	0.018
-0.80	0.40	1.14	1.14	-0.018	0.000	0.040	0.040	0.017	0.018
-0.80	0.50	1.14	1.14	-0.015	0.000	0.041	0.041	0.016	0.020
-0.75	0.50	1.14	1.13	-0.022	0.000	0.042	0.042	0.016	0.019
-0.70	0.50	1.13	1.13	-0.030	-0.003	0.040	0.040	0.017	0.019
-0.65	0.50	1.12	1.12	-0.031	-0.003	0.039	0.039	0.018	0.019
-0.60	0.50	1.12	1.12	-0.036	-0.004	0.035	0.035	0.017	0.020
-0.55	0.50	1.12	1.12	-0.037	-0.002	0.039	0.039	0.018	0.021
-0.50	0.50	1.11	1.11	-0.041	-0.003	0.039	0.039	0.020	0.020
-0.40	0.50	1.10	1.10	-0.038	0.002	0.038	0.038	0.017	0.019
-0.30	0.50	1.10	1.10	-0.044	-0.001	0.035	0.035	0.019	0.017
-0.20	0.50	1.09	1.09	-0.044	0.000	0.038	0.038	0.019	0.020
-0.10	0.50	1.08	1.08	-0.047	0.001	0.038	0.038	0.018	0.020
0.00	0.50	1.07	1.07	-0.052	0.000	0.038	0.038	0.019	0.019
0.10	0.50	1.07	1.06	-0.053	-0.003	0.036	0.036	0.018	0.020
0.20	0.50	1.06	1.06	-0.052	-0.001	0.036	0.036	0.018	0.020
0.30	0.50	1.06	1.06	-0.051	-0.002	0.035	0.035	0.018	0.019
0.40	0.50	1.04	1.04	-0.043	-0.003	0.044	0.044	0.018	0.020
0.50	0.50	1.03	1.03	-0.040	-0.005	0.044	0.044	0.018	0.021
0.60	0.50	1.02	1.02	-0.034	-0.006	0.044	0.044	0.016	0.020
0.70	0.50	1.01	1.01	-0.028	0.000	0.052	0.052	0.017	0.018
0.80	0.50	0.97	0.97	-0.020	-0.004	0.024	0.024	0.017	0.019
0.80	0.60	0.97	0.97	-0.020	-0.006	0.026	0.026	0.015	0.022

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.70	0.60	0.98	0.98	-0.031	-0.002	0.028	0.028	0.018	0.018
0.60	0.60	0.98	0.98	-0.035	-0.003	0.029	0.029	0.019	0.018
0.50	0.60	0.98	0.98	-0.040	-0.006	0.027	0.027	0.018	0.020
0.40	0.60	1.01	1.01	-0.049	-0.008	0.045	0.045	0.016	0.022
0.30	0.60	1.04	1.03	-0.052	-0.008	0.046	0.046	0.017	0.022
0.20	0.60	1.06	1.05	-0.054	-0.002	0.046	0.046	0.018	0.020
0.10	0.60	1.06	1.06	-0.055	0.000	0.042	0.042	0.019	0.019
0.00	0.60	1.08	1.07	-0.052	-0.002	0.036	0.037	0.018	0.020
-0.10	0.60	1.07	1.09	-0.040	0.000	0.034	0.034	0.018	0.020
0.20	0.60	1.11	1.10	-0.038	-0.008	0.035	0.035	0.017	0.021
-0.30	0.60	1.11	1.11	-0.040	-0.012	0.037	0.037	0.018	0.019
-0.40	0.60	1.11	1.11	-0.035	-0.009	0.036	0.036	0.021	0.020
-0.50	0.60	1.12	1.12	-0.033	-0.008	0.038	0.038	0.017	0.021
-0.55	0.60	1.13	1.13	-0.029	-0.006	0.037	0.037	0.017	0.019
-0.60	0.60	1.13	1.13	-0.031	-0.007	0.037	0.037	0.016	0.020
-0.65	0.60	1.13	1.13	-0.028	-0.010	0.035	0.035	0.016	0.021
-0.70	0.60	1.14	1.14	-0.023	-0.011	0.038	0.038	0.017	0.021
-0.75	0.60	1.14	1.14	-0.018	-0.007	0.037	0.039	0.018	0.020
-0.80	0.60	1.14	1.14	-0.017	-0.007	0.037	0.037	0.016	0.019
-0.80	0.70	1.15	1.15	-0.015	-0.006	0.040	0.040	0.017	0.020
-0.75	0.70	1.14	1.14	-0.018	-0.008	0.038	0.038	0.017	0.021
-0.70	0.70	1.13	1.13	-0.025	-0.011	0.039	0.039	0.016	0.021
-0.65	0.70	1.13	1.13	-0.029	-0.010	0.035	0.035	0.016	0.020
-0.60	0.70	1.13	1.13	-0.030	-0.010	0.035	0.035	0.016	0.020
-0.55	0.70	1.13	1.13	-0.034	-0.011	0.037	0.037	0.018	0.020
-0.50	0.70	1.13	1.13	-0.037	-0.008	0.035	0.034	0.017	0.021
0.40	0.70	1.11	1.11	-0.036	-0.011	0.037	0.037	0.017	0.021
-0.30	0.70	1.10	1.10	-0.039	-0.012	0.032	0.033	0.016	0.019
-0.20	0.70	1.08	1.08	-0.044	-0.008	0.036	0.037	0.016	0.021
-0.10	0.70	1.06	1.06	-0.041	0.001	0.044	0.044	0.020	0.024
0.00	0.70	1.07	1.07	-0.047	-0.003	0.055	0.055	0.020	0.024
0.10	0.70	1.07	1.07	-0.045	-0.010	0.030	0.030	0.017	0.021
0.20	0.70	1.08	1.08	-0.042	-0.008	0.030	0.030	0.018	0.019
0.30	0.70	1.01	1.01	-0.047	-0.010	0.028	0.028	0.017	0.019
0.40	0.70	1.00	1.00	-0.048	-0.013	0.029	0.029	0.016	0.017
0.50	0.70	1.00	1.00	-0.051	-0.014	0.028	0.028	0.016	0.020
0.60	0.70	1.00	1.00	-0.026	-0.010	0.030	0.030	0.015	0.020
0.70	0.70	0.99	0.99	-0.017	-0.006	0.034	0.034	0.015	0.020
0.80	0.70	0.99	0.99	-0.013	-0.007	0.031	0.031	0.017	0.020
0.80	0.60	0.98	0.98	-0.010	-0.004	0.031	0.031	0.017	0.021
0.70	0.60	0.98	0.98	-0.020	-0.008	0.036	0.036	0.016	0.021
0.60	0.60	0.99	0.99	-0.032	-0.007	0.030	0.031	0.016	0.020
0.50	0.60	0.99	0.99	-0.037	-0.012	0.036	0.036	0.016	0.020
0.40	0.60	1.00	1.00	-0.038	-0.013	0.031	0.031	0.018	0.020
0.30	0.60	1.01	1.01	-0.041	-0.008	0.030	0.030	0.018	0.019
0.20	0.60	1.02	1.01	-0.045	-0.009	0.033	0.033	0.018	0.021
0.10	0.60	1.00	1.00	-0.042	-0.010	0.040	0.040	0.019	0.022
0.00	0.60	0.98	0.98	-0.034	-0.002	0.027	0.027	0.020	0.021
-0.10	0.60	1.00	1.00	-0.046	-0.003	0.031	0.031	0.021	0.024
0.20	0.80	1.04	1.04	-0.047	-0.008	0.029	0.029	0.020	0.023
-0.30	0.80	1.05	1.05	-0.043	-0.015	0.030	0.031	0.018	0.021
0.40	0.80	1.08	1.08	-0.042	-0.015	0.042	0.042	0.018	0.019
-0.50	0.80	1.11	1.11	-0.033	-0.007	0.035	0.036	0.019	0.021
0.55	0.80	1.12	1.12	-0.035	-0.010	0.036	0.036	0.016	0.021
-0.60	0.80	1.13	1.12	-0.032	-0.008	0.034	0.034	0.017	0.021
-0.65	0.80	1.13	1.13	-0.030	-0.012	0.037	0.037	0.017	0.020
-0.70	0.80	1.13	1.13	-0.025	-0.010	0.037	0.037	0.015	0.019
-0.75	0.80	1.14	1.14	-0.022	-0.011	0.041	0.041	0.018	0.020
-0.80	0.80	1.14	1.14	-0.017	-0.010	0.038	0.038	0.017	0.020
-0.80	0.80	1.14	1.14	-0.020	-0.004	0.037	0.037	0.016	0.020

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.70	1.14	1.14	-0.021	-0.010	0.040	0.040	0.017	0.031
0.80	0.60	1.14	1.14	-0.016	-0.003	0.037	0.037	0.017	0.019
-0.80	0.50	1.14	1.13	-0.017	-0.008	0.039	0.039	0.017	0.021
0.80	0.40	1.1[illegible]	1.1[illegible]	0.016	-0.008	0.039	0.039	0.016	0.021
0.80	0.30	1.14	1.14	0.016	-0.005	0.037	0.037	0.016	0.021
0.80	0.20	1.14	1.14	0.015	-0.007	0.038	0.038	0.017	0.020
0.80	0.10	1.13	1.13	-0.016	-0.004	0.040	0.040	0.016	0.021
-0.80	0.00	1.11	1.11	-0.018	-0.006	0.041	0.041	0.016	0.021
0.80	-0.10	1.11	1.11	-0.018	-0.003	0.042	0.042	0.017	0.021
0.80	-0.20	1.11	1.11	-0.018	-0.004	0.040	0.040	0.016	0.021
-0.80	0.30	1.11	1.11	0.017	-0.005	0.039	0.039	0.016	0.022
0.80	-0.40	1.11	1.11	0.021	-0.004	0.040	0.040	0.018	0.021
-0.80	0.50	1.12	1.12	-0.021	-0.006	0.043	0.043	0.019	0.022
-0.80	-0.60	1.11	1.11	-0.021	-0.006	0.042	0.042	0.018	0.020
0.80	-0.70	1.11	1.11	0.020	-0.004	0.042	0.042	0.019	0.021
-0.60	-0.80	1.11	1.11	-0.018	-0.007	0.042	0.042	0.020	0.021
-0.70	0.80	1.14	1.14	-0.011	-0.004	0.042	0.042	0.023	0.021
-0.90	0.70	1.14	1.14	-0.011	-0.005	0.040	0.040	0.025	0.019
-0.90	0.60	1.14	1.14	-0.013	-0.011	0.037	0.037	0.026	0.021
-0.90	0.50	1.14	1.14	-0.014	-0.006	0.038	0.038	0.027	0.021
-0.90	0.40	1.14	1.14	-0.011	-0.008	0.039	0.039	0.024	0.020
-0.90	0.30	1.14	1.14	-0.015	-0.004	0.040	0.040	0.023	0.020
-0.90	0.20	1.14	1.14	-0.017	-0.006	0.037	0.037	0.021	0.020
-0.90	0.10	1.14	1.14	-0.014	-0.001	0.039	0.039	0.022	0.020
-0.90	0.00	1.14	1.14	-0.012	0.002	0.035	0.035	0.024	0.021
-0.90	-0.10	1.15	1.15	0.011	-0.002	0.038	0.038	0.025	0.021
-0.90	-0.20	1.14	1.14	-0.014	-0.002	0.038	0.038	0.023	0.020
-0.90	0.30	1.14	1.14	-0.010	-0.005	0.039	0.039	0.022	0.020
-0.90	-0.40	1.14	1.14	0.013	-0.005	0.040	0.040	0.022	0.020
-0.90	-0.50	1.13	1.13	-0.014	-0.005	0.040	0.040	0.023	0.02[illegible]
-0.90	-0.60	1.14	1.14	-0.010	-0.002	0.045	0.045	0.023	0.024
-0.90	0.70	1.14	1.14	0.011	0.004	0.045	0.045	0.026	0.022
-0.90	-0.80	1.14	1.14	-0.015	-0.005	0.046	0.046	0.030	0.023
-0.93	0.30	1.15	1.15	-0.007	-0.003	0.049	0.049	0.047	0.023
-0.93	0.70	1.15	1.15	-0.010	0.007	0.047	0.047	0.035	0.0[illegible]
-0.93	0.60	1.15	1.15	-0.014	-0.006	0.045	0.045	0.030	0.021
-0.97	0.50	1.16	1.16	0.014	-0.005	0.042	0.042	0.028	0.021
-0.93	0.40	1.15	1.15	-0.012	-0.006	0.050	0.050	0.027	0.021
-0.93	0.30	1.15	1.15	0.012	-0.006	0.045	0.045	0.031	0.023
-0.93	0.20	1.14	1.14	0.014	-0.004	0.047	0.047	0.030	0.020
0.93	0.10	1.14	1.14	-0.014	0.001	0.040	0.040	0.028	0.019
0.93	0.00	1.15	1.15	0.014	0.003	0.043	0.043	0.028	0.021
-0.93	0.10	1.16	1.15	-0.014	0.003	0.042	0.042	0.028	0.021
-0.93	-0.20	1.16	1.16	-0.017	-0.002	0.042	0.042	0.030	0.021
0.93	-0.30	1.15	1.15	-0.017	0.000	0.042	0.042	0.027	0.023
0.93	0.40	1.14	1.14	0.017	-0.001	0.045	0.046	0.028	0.024
-0.93	0.50	1.15	1.15	-0.016	-0.006	0.040	0.040	0.029	0.022
-0.93	-0.60	1.15	1.15	-0.015	-0.005	0.043	0.043	0.027	0.023
-0.93	-0.70	1.15	1.15	-0.016	0.004	0.048	0.043	0.027	0.023
-0.93	-0.80	1.13	1.13	-0.013	0.001	0.055	0.055	0.037	0.026
-0.95	0.00	1.14	1.13	0.013	0.001	0.060	0.060	0.041	0.030
-0.95	0.70	1.14	1.14	-0.010	-0.007	0.062	0.062	0.046	0.029
-0.75	0.60	1.15	1.15	-0.004	-0.008	0.057	0.057	0.040	0.025
-0.95	0.50	1.15	1.15	-0.015	-0.007	0.054	0.054	0.037	0.025
-0.95	0.40	1.14	1.14	0.009	-0.008	0.051	0.051	0.026	0.023
-0.[illegible]5	0.30	1.14	1.14	-0.01	-0.001	0.059	0.059	0.038	0.023
-0.95	0.20	1.14	1.14	-0.010	0.005	0.066	0.066	0.038	0.030
0.95	0.10	1.15	1.15	-0.007	0.004	0.050	0.050	0.028	0.0[illegible]
-0.95	0.00	1.15	1.15	-0.012	0.003	0.049	0.049	0.028	0.0[illegible]1
-0.95	-0.10	1.15	1.15	-0.010	0.007	0.061	0.061	0.041	0.0[illegible]1

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.95	-0.20	1.14	1.14	-0.014	0.002	0.061	0.061	0.038	0.023
-0.95	-0.30	1.15	1.15	-0.013	0.006	0.052	0.052	0.037	0.024
-0.95	-0.40	1.14	1.14	-0.018	0.003	0.056	0.056	0.032	0.023
-0.95	-0.50	1.15	1.15	-0.018	0.002	0.052	0.052	0.035	0.024
-0.95	-0.60	1.13	1.13	-0.016	0.005	0.082	0.071	0.181	0.024
-0.95	-0.70	1.14	1.14	-0.015	0.006	0.071	0.071	0.030	0.027
-0.95	-0.80	1.11	1.11	-0.011	-0.003	0.069	0.069	0.038	0.032
-0.96	0.80	1.12	1.12	-0.009	0.004	0.069	0.069	0.039	0.029
-0.96	0.70	1.12	1.12	-0.008	-0.001	0.070	0.070	0.037	0.031
0.96	0.60	1.13	1.13	-0.012	0.003	0.069	0.070	0.041	0.027
-0.96	0.50	1.14	1.14	-0.008	0.002	0.058	0.058	0.037	0.024
-0.96	0.40	1.13	1.13	-0.005	0.004	0.065	0.065	0.040	0.027
-0.96	0.30	1.13	1.12	-0.013	0.001	0.073	0.073	0.038	0.025
-0.96	0.20	1.13	1.13	-0.008	0.004	0.064	0.065	0.044	0.025
-0.96	0.10	1.14	1.13	-0.005	0.009	0.061	0.061	0.040	0.025
-0.96	0.00	1.14	1.14	-0.004	0.005	0.059	0.059	0.040	0.022
-0.96	-0.10	1.14	1.14	-0.002	0.004	0.068	0.068	0.039	0.027
-0.96	-0.20	1.14	1.14	-0.008	0.009	0.055	0.055	0.039	0.022
-0.96	-0.30	1.13	1.13	-0.010	0.007	0.062	0.062	0.038	0.022
-0.96	-0.40	1.13	1.13	-0.014	0.004	0.059	0.059	0.035	0.019
-0.96	-0.50	1.14	1.14	-0.014	-0.002	0.058	0.058	0.038	0.024
-0.96	-0.60	1.13	1.13	-0.008	-0.005	0.062	0.062	0.037	0.026
-0.96	-0.70	1.12	1.12	-0.009	0.006	0.069	0.069	0.035	0.025
-0.96	-0.80	1.10	1.10	0.004	0.008	0.078	0.078	0.041	0.035
0.88	0.80	0.83	0.83	-0.016	-0.001	0.072	0.072	0.032	0.038
0.80	0.70	0.85	0.85	-0.010	-0.006	0.076	0.076	0.027	0.035
0.88	0.60	0.89	0.89	-0.023	0.002	0.061	0.061	0.026	0.028
0.88	0.50	0.93	0.93	-0.006	0.001	0.032	0.031	0.025	0.024
0.88	0.40	0.82	0.82	-0.013	0.001	0.133	0.133	0.026	0.038
0.80	0.30	0.79	0.79	-0.003	-0.008	0.096	0.098	0.016	0.053
0.80	0.20	0.79	0.79	-0.014	-0.001	0.115	0.115	0.027	0.012
0.88	0.10	0.82	0.81	-0.011	-0.002	0.091	0.091	0.019	0.011
0.88	0.00	0.79	0.79	-0.011	0.025	0.091	0.093	0.024	0.069
0.88	-0.10	0.82	0.81	-0.024	0.016	0.077	0.079	0.014	0.052
0.88	-0.20	0.79	0.79	-0.021	0.004	0.097	0.098	0.015	0.049
0.80	-0.30	0.78	0.77	-0.017	0.008	0.093	0.093	0.014	0.048
0.88	-0.40	0.78	0.78	-0.021	0.008	0.097	0.096	0.025	0.048
0.88	-0.50	0.75	0.75	-0.016	0.006	0.095	0.095	0.018	0.044
0.88	-0.60	0.73	0.73	-0.018	-0.003	0.068	0.068	0.017	0.040
0.80	-0.70	0.67	0.67	-0.016	0.005	0.111	0.112	0.023	0.051
0.80	-0.80	0.65	0.65	-0.022	-0.005	0.088	0.089	0.030	0.054

Table D-3, Station 6, $\theta = 30^o$

y	z	$\bar{U}_{rms}$	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'_{rms}	u'	v'	w'
0.80	0.00	0.90	0.89	0.060	-0.013	0.028	0.028	0.053	0.018
0.70	0.00	0.91	0.91	0.046	-0.013	0.028	0.028	0.049	0.018
0.60	0.00	0.93	0.92	0.067	-0.014	0.031	0.032	0.056	0.018
0.50	0.00	0.95	0.94	0.098	-0.013	0.031	0.031	0.062	0.018
0.40	0.00	0.96	0.96	0.093	-0.013	0.033	0.033	0.059	0.019
0.30	0.00	0.98	0.97	0.106	-0.012	0.034	0.034	0.063	0.018
0.20	0.00	1.00	0.99	0.106	-0.011	0.033	0.033	0.062	0.019
0.10	0.00	1.02	1.01	0.101	-0.012	0.032	0.031	0.063	0.018
0.00	0.00	1.03	1.03	0.104	-0.013	0.032	0.032	0.059	0.027
-0.10	0.00	1.06	1.05	0.102	-0.011	0.031	0.031	0.059	0.018
-0.20	0.00	1.08	1.07	0.098	-0.013	0.030	0.030	0.064	0.017
-0.30	0.00	1.10	1.09	0.095	-0.014	0.029	0.028	0.065	0.017
-0.40	0.00	1.12	1.11	0.093	-0.017	0.026	0.026	0.061	0.017
-0.50	0.00	1.14	1.13	0.089	-0.018	0.030	0.030	0.059	0.018
-0.55	0.00	1.15	1.14	0.083	-0.016	0.030	0.030	0.051	0.018
-0.60	0.00	1.16	1.16	0.080	-0.017	0.028	0.027	0.052	0.017
-0.65	0.00	1.18	1.17	0.081	-0.020	0.028	0.028	0.047	0.018
-0.70	0.00	1.19	1.18	0.060	-0.016	0.030	0.030	0.044	0.017
-0.75	0.00	1.20	1.20	0.043	-0.012	0.025	0.025	0.038	0.015
-0.80	0.00	1.22	1.22	0.041	-0.012	0.023	0.023	0.028	0.017
-0.80	-0.10	1.21	1.21	0.047	-0.008	0.027	0.027	0.034	0.015
-0.75	-0.10	1.20	1.20	0.061	-0.010	0.027	0.027	0.033	0.018
-0.70	-0.10	1.19	1.18	0.076	-0.011	0.029	0.029	0.041	0.018
-0.65	-0.10	1.18	1.17	0.086	-0.015	0.029	0.029	0.042	0.020
-0.60	-0.10	1.16	1.16	0.092	-0.013	0.031	0.030	0.049	0.018
-0.55	-0.10	1.15	1.14	0.101	-0.014	0.030	0.031	0.054	0.017
-0.50	-0.10	1.14	1.14	0.103	-0.014	0.033	0.033	0.054	0.019
-0.40	-0.10	1.11	1.11	0.114	-0.017	0.031	0.031	0.055	0.020
-0.30	-0.10	1.10	1.09	0.116	-0.015	0.034	0.034	0.053	0.019
-0.20	-0.10	1.07	1.06	0.117	-0.018	0.034	0.033	0.055	0.020
-0.10	-0.10	1.05	1.05	0.121	-0.015	0.034	0.034	0.054	0.019
0.00	-0.10	1.04	1.03	0.122	-0.009	0.032	0.031	0.057	0.019
0.10	-0.10	1.02	1.01	0.129	-0.011	0.033	0.034	0.060	0.018
0.20	-0.10	1.00	0.99	0.117	-0.009	0.031	0.029	0.057	0.018
0.30	-0.10	0.99	0.98	0.122	-0.010	0.032	0.032	0.061	0.017
0.40	-0.10	0.97	0.96	0.119	-0.011	0.032	0.030	0.071	0.019
0.50	-0.10	0.95	0.95	0.110	-0.012	0.032	0.031	0.064	0.018
0.60	-0.10	0.93	0.93	0.093	-0.010	0.026	0.026	0.066	0.018
0.70	-0.10	0.92	0.91	0.081	-0.009	0.027	0.026	0.055	0.018
0.80	-0.10	0.90	0.89	0.072	-0.009	0.029	0.029	0.046	0.020
0.80	-0.20	0.90	0.89	0.075	-0.014	0.028	0.029	0.042	0.021
0.70	-0.20	0.92	0.91	0.078	-0.014	0.028	0.027	0.058	0.016
0.60	-0.20	0.93	0.93	0.097	-0.016	0.028	0.029	0.066	0.018
0.50	-0.20	0.95	0.94	0.093	-0.013	0.029	0.029	0.072	0.017
0.40	-0.20	0.97	0.96	0.117	-0.013	0.031	0.030	0.077	0.016
0.30	-0.20	0.99	0.97	0.147	-0.013	0.032	0.030	0.078	0.017
0.20	-0.20	1.01	0.99	0.146	-0.015	0.033	0.032	0.068	0.019
0.10	-0.20	1.02	1.01	0.132	-0.015	0.032	0.031	0.060	0.018
0.00	-0.20	1.04	1.03	0.134	-0.013	0.032	0.031	0.063	0.019
-0.10	-0.20	1.06	1.05	0.133	-0.013	0.033	0.033	0.058	0.018
-0.20	-0.20	1.08	1.07	0.131	-0.016	0.032	0.031	0.060	0.018
-0.30	-0.20	1.10	1.09	0.131	-0.012	0.030	0.030	0.064	0.017
-0.40	-0.20	1.12	1.11	0.122	-0.013	0.029	0.029	0.057	0.019
-0.50	-0.20	1.14	1.13	0.107	-0.016	0.031	0.031	0.049	0.019
-0.55	-0.20	1.15	1.15	0.093	-0.012	0.025	0.025	0.048	0.016
-0.60	-0.20	1.16	1.15	0.096	-0.011	0.027	0.027	0.047	0.017
-0.65	-0.20	1.18	1.17	0.086	-0.010	0.027	0.027	0.047	0.016
-0.70	-0.20	1.19	1.19	0.067	-0.007	0.022	0.022	0.044	0.016
-0.75	-0.20	1.20	1.20	0.065	-0.003	0.024	0.024	0.036	0.013
-0.80	-0.20	1.22	1.22	0.053	0.000	0.020	0.019	0.032	0.015

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.30	1.21	1.21	0.050	0.001	0.025	0.025	0.030	0.016
0.75	-0.30	1.20	1.20	0.066	-0.002	0.021	0.021	0.040	0.015
-0.70	-0.30	1.19	1.18	0.083	-0.003	0.028	0.028	0.043	0.015
-0.65	-0.30	1.18	1.17	0.093	-0.008	0.029	0.028	0.044	0.016
-0.60	-0.30	1.17	1.16	0.100	-0.009	0.029	0.030	0.051	0.016
-0.55	-0.30	1.16	1.15	0.100	-0.008	0.024	0.024	0.053	0.016
-0.50	-0.30	1.15	1.14	0.101	-0.006	0.025	0.025	0.050	0.016
-0.40	-0.30	1.12	1.12	0.117	-0.010	0.027	0.027	0.055	0.017
-0.30	-0.30	1.11	1.10	0.138	-0.009	0.028	0.028	0.060	0.016
-0.20	-0.30	1.08	1.07	0.138	-0.010	0.028	0.028	0.061	0.017
0.10	-0.30	1.06	1.05	0.154	-0.012	0.033	0.032	0.070	0.018
0.00	-0.30	1.05	1.02	0.150	-0.011	0.036	0.036	0.065	0.017
0.10	-0.30	1.03	1.02	0.152	-0.013	0.029	0.028	0.063	0.018
0.20	-0.30	1.01	0.99	0.156	-0.014	0.034	0.032	0.068	0.019
0.30	-0.30	0.99	0.98	0.157	-0.013	0.032	0.029	0.077	0.018
0.40	-0.30	0.97	0.96	0.135	-0.014	0.031	0.028	0.071	0.018
0.50	-0.30	0.96	0.95	0.133	-0.013	0.028	0.026	0.072	0.017
0.60	-0.30	0.94	0.93	0.119	-0.016	0.026	0.024	0.075	0.015
0.70	-0.30	0.92	0.91	0.119	-0.014	0.027	0.025	0.066	0.014
0.80	-0.30	0.90	0.89	0.089	-0.017	0.024	0.024	0.051	0.019
0.80	-0.40	0.90	0.90	0.089	-0.018	0.026	0.025	0.053	0.020
0.70	-0.40	0.93	0.91	0.090	-0.018	0.025	0.023	0.066	0.016
0.60	-0.40	0.94	0.9	0.087	-0.018	0.025	0.023	0.077	0.015
0.50	-0.40	0.95	0.94	0.120	-0.015	0.027	0.024	0.090	0.016
0.40	-0.40	0.98	0.96	0.158	-0.017	0.033	0.030	0.093	0.017
0.30	-0.40	0.97	0.97	0.157	-0.013	0.036	0.030	0.096	0.017
0.20	-0.40	1.01	0.99	0.149	-0.013	0.032	0.031	0.083	0.016
0.10	-0.40	1.02	1.01	0.164	-0.011	0.030	0.028	0.082	0.017
0.00	-0.40	1.05	1.03	0.167	-0.011	0.033	0.032	0.077	0.019
0.10	-0.40	1.06	1.05	0.138	-0.013	0.029	0.028	0.068	0.020
-0.20	-0.40	1.08	1.07	0.146	-0.008	0.032	0.032	0.063	0.016
-0.30	-0.40	1.10	1.09	0.126	-0.011	0.029	0.028	0.066	0.018
0.40	-0.40	1.12	1.12	0.112	-0.007	0.026	0.025	0.061	0.016
-0.50	-0.40	1.14	1.14	0.104	-0.006	0.025	0.025	0.056	0.017
0.55	-0.40	1.16	1.15	0.110	-0.005	0.028	0.028	0.058	0.015
-0.60	-0.40	1.17	1.17	0.102	-0.005	0.026	0.026	0.054	0.015
-0.65	-0.40	1.18	1.18	0.086	-0.005	0.024	0.023	0.052	0.014
-0.70	-0.40	1.20	1.19	0.077	-0.002	0.025	0.024	0.046	0.015
-0.75	-0.40	1.21	1.21	0.058	-0.001	0.023	0.022	0.045	0.016
-0.80	-0.40	1.22	1.22	0.047	0.003	0.021	0.021	0.034	0.016
-0.80	-0.50	1.22	1.22	0.038	0.007	0.022	0.022	0.020	0.013
-0.75	-0.50	1.21	1.21	0.048	0.003	0.019	0.019	0.038	0.013
-0.70	-0.50	1.19	1.19	0.073	0.000	0.026	0.025	0.048	0.016
-0.65	-0.50	1.18	1.18	0.089	-0.004	0.026	0.025	0.050	0.016
-0.60	-0.50	1.17	1.17	0.098	-0.004	0.027	0.027	0.050	0.015
-0.55	-0.50	1.16	1.15	0.099	-0.005	0.024	0.024	0.056	0.015
-0.50	-0.50	1.15	1.14	0.118	-0.009	0.027	0.028	0.055	0.016
-0.40	-0.50	1.13	1.12	0.128	-0.010	0.030	0.030	0.061	0.017
-0.30	-0.50	1.10	1.09	0.141	-0.012	0.031	0.030	0.066	0.018
-0.20	-0.50	1.08	1.07	0.148	-0.010	0.030	0.031	0.069	0.019
-0.10	-0.50	1.06	1.05	0.145	-0.014	0.033	0.033	0.071	0.018
0.00	-0.50	1.04	1.03	0.167	-0.012	0.037	0.035	0.076	0.019
0.10	-0.50	1.03	1.01	0.168	-0.016	0.036	0.034	0.081	0.018
0.20	-0.50	1.01	1.00	0.169	-0.019	0.034	0.032	0.077	0.026
0.30	-0.50	1.00	0.98	0.162	-0.013	0.037	0.029	0.100	0.016
0.40	-0.50	0.98	0.96	0.171	-0.017	0.031	0.026	0.102	0.016
0.50	-0.50	0.96	0.95	0.113	-0.018	0.032	0.028	0.104	0.016
0.60	-0.50	0.94	0.93	0.139	-0.020	0.032	0.029	0.086	0.014
0.70	-0.50	0.93	0.92	0.117	-0.022	0.025	0.024	0.062	0.016
0.80	-0.50	0.90	0.90	0.004	-0.022	0.025	0.025	0.057	0.017

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	-0.60	0.90	0.89	0.070	-0.025	0.032	0.031	0.069	0.024
0.70	-0.60	0.92	0.91	0.113	-0.022	0.023	0.021	0.064	0.016
0.60	-0.60	0.94	0.93	0.130	-0.025	0.028	0.027	0.077	0.015
0.50	-0.60	0.95	0.94	0.109	-0.019	0.026	0.023	0.094	0.015
0.40	-0.60	0.97	0.97	0.089	-0.013	0.023	0.021	0.092	0.013
0.30	-0.60	1.00	0.98	0.150	-0.017	0.028	0.025	0.099	0.015
0.20	-0.60	1.02	1.00	0.172	-0.016	0.033	0.031	0.095	0.018
0.10	-0.60	1.03	1.01	0.166	-0.015	0.032	0.032	0.076	0.017
0.00	-0.60	1.05	1.03	0.153	-0.010	0.033	0.031	0.084	0.017
-0.10	-0.60	1.07	1.06	0.134	-0.007	0.028	0.028	0.080	0.018
-0.20	-0.60	1.09	1.08	0.135	-0.005	0.030	0.029	0.071	0.018
-0.30	-0.60	1.11	1.10	0.134	-0.007	0.028	0.028	0.065	0.018
-0.40	-0.60	1.13	1.12	0.122	-0.007	0.027	0.027	0.063	0.016
-0.50	-0.60	1.15	1.14	0.124	-0.005	0.028	0.028	0.062	0.015
-0.55	-0.60	1.17	1.16	0.108	-0.007	0.023	0.023	0.055	0.015
-0.60	-0.60	1.18	1.17	0.104	-0.007	0.028	0.027	0.051	0.016
-0.65	-0.60	1.19	1.18	0.094	-0.001	0.023	0.023	0.055	0.015
-0.70	-0.60	1.20	1.19	0.079	-0.003	0.019	0.019	0.045	0.014
-0.75	-0.60	1.21	1.21	0.071	0.004	0.023	0.022	0.035	0.015
-0.80	-0.60	1.22	1.22	0.063	0.010	0.021	0.021	0.032	0.016
-0.30	-0.70	1.12	1.12	0.075	0.009	0.021	0.021	0.032	0.016
-0.75	-0.70	1.21	1.21	0.079	0.001	0.021	0.021	0.037	0.016
-0.70	-0.70	1.20	1.19	0.093	-0.004	0.024	0.024	0.041	0.015
-0.65	-0.70	1.18	1.18	0.108	-0.003	0.026	0.026	0.045	0.015
0.60	-0.70	1.18	1.17	0.127	-0.004	0.024	0.024	0.050	0.015
-0.55	-0.70	1.16	1.15	0.127	-0.004	0.029	0.028	0.053	0.016
-0.50	-0.70	1.15	1.14	0.113	-0.004	0.027	0.027	0.054	0.017
-0.40	-0.70	1.12	1.12	0.131	-0.006	0.028	0.029	0.055	0.018
-0.30	-0.70	1.10	1.09	0.123	-0.006	0.029	0.029	0.049	0.018
-0.20	-0.70	1.09	1.08	0.144	-0.005	0.030	0.029	0.063	0.018
-0.10	-0.70	1.06	1.05	0.137	-0.006	0.036	0.035	0.059	0.018
0.00	-0.70	1.04	1.03	0.137	-0.006	0.031	0.031	0.063	0.017
0.10	-0.70	1.03	1.02	0.140	-0.010	0.032	0.032	0.059	0.018
0.20	-0.70	1.01	1.00	0.128	-0.013	0.032	0.030	0.061	0.017
0.30	-0.70	0.99	0.98	0.136	-0.015	0.029	0.029	0.061	0.018
0.40	-0.70	0.97	0.96	0.121	-0.021	0.027	0.026	0.058	0.016
0.50	-0.70	0.95	0.94	0.117	-0.022	0.027	0.027	0.061	0.015
0.60	-0.70	0.94	0.93	0.135	-0.028	0.026	0.026	0.056	0.015
0.70	-0.70	0.92	0.91	0.113	-0.034	0.033	0.032	0.061	0.019
0.80	-0.70	0.89	0.89	0.090	-0.032	0.037	0.037	0.062	0.025
0.80	-0.80	0.88	0.87	0.086	-0.036	0.043	0.042	0.066	0.036
0.70	-0.80	0.92	0.91	0.106	-0.038	0.035	0.035	0.052	0.021
0.60	-0.80	0.94	0.93	0.117	-0.035	0.033	0.033	0.061	0.020
0.50	-0.80	0.95	0.95	0.103	-0.030	0.035	0.035	0.053	0.020
0.40	-0.80	0.97	0.96	0.121	-0.019	0.037	0.037	0.048	0.018
0.30	-0.80	0.99	0.98	0.123	-0.018	0.032	0.032	0.049	0.020
0.20	-0.80	1.00	0.99	0.104	-0.013	0.032	0.033	0.049	0.021
0.10	-0.80	1.02	1.01	0.120	-0.009	0.037	0.038	0.048	0.019
0.00	-0.80	1.04	1.03	0.124	-0.006	0.038	0.038	0.058	0.022
-0.10	-0.80	1.06	1.05	0.105	-0.007	0.038	0.038	0.049	0.022
-0.20	-0.80	1.08	1.07	0.128	-0.005	0.036	0.036	0.057	0.021
-0.30	-0.80	1.10	1.10	0.126	-0.007	0.036	0.036	0.059	0.020
-0.40	-0.80	1.13	1.12	0.128	-0.003	0.035	0.035	0.050	0.030
-0.50	-0.80	1.14	1.13	0.117	-0.010	0.032	0.031	0.049	0.021
-0.55	-0.80	1.15	1.14	0.115	-0.010	0.034	0.034	0.051	0.020
-0.60	-0.80	1.17	1.17	0.108	-0.011	0.032	0.032	0.045	0.020
-0.65	-0.80	1.18	1.17	0.102	-0.010	0.031	0.031	0.041	0.020
-0.70	-0.80	1.20	1.19	0.093	-0.010	0.030	0.030	0.037	0.020
-0.75	-0.80	1.21	1.20	0.088	-0.010	0.035	0.035	0.036	0.020
-0.80	-0.80	1.20	1.19	0.084	0.000	0.052	0.052	0.034	0.025

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.70	1.10	1.09	-0.014	-0.007	0.055	0.055	0.057	0.037
-0.75	-0.70	1.11	1.11	-0.002	-0.009	0.048	0.048	0.051	0.036
-0.70	-0.70	1.13	1.12	0.017	-0.012	0.050	0.050	0.051	0.035
-0.65	-0.70	1.12	1.11	0.022	-0.011	0.054	0.054	0.053	0.029
-0.60	-0.70	1.13	1.12	0.036	-0.015	0.045	0.045	0.054	0.032
-0.55	-0.70	1.12	1.11	0.041	-0.007	0.043	0.044	0.058	0.030
-0.50	-0.70	1.11	1.11	0.043	-0.012	0.043	0.043	0.059	0.029
-0.40	-0.70	1.09	1.09	0.042	-0.006	0.047	0.048	0.053	0.029
-0.30	-0.70	1.06	1.06	0.037	-0.002	0.047	0.047	0.056	0.030
-0.20	-0.70	1.04	1.04	0.054	-0.002	0.047	0.047	0.057	0.034
-0.10	-0.70	1.00	1.00	0.039	0.006	0.052	0.052	0.069	0.034
0.00	-0.70	0.96	0.96	0.021	-0.002	0.070	0.070	0.072	0.035
0.10	-0.70	0.93	0.93	0.019	-0.012	0.072	0.072	0.070	0.039
0.20	-0.70	0.92	0.91	0.010	0.017	0.071	0.068	0.074	0.084
0.30	-0.70	0.88	0.88	0.014	-0.011	0.073	0.073	0.066	0.038
0.40	-0.70	0.87	0.87	0.009	-0.015	0.071	0.070	0.071	0.041
0.50	-0.70	0.88	0.87	0.039	-0.028	0.060	0.061	0.073	0.040
0.60	-0.70	0.89	0.89	0.087	-0.039	0.051	0.052	0.048	0.034
0.70	-0.70	0.90	0.89	0.075	-0.046	0.045	0.044	0.048	0.030
0.80	-0.70	0.83	0.83	0.052	-0.041	0.078	0.078	0.057	0.047
-0.80	-0.73	1.06	1.06	-0.051	-0.009	0.073	0.072	0.056	0.039
-0.75	-0.73	1.07	1.07	-0.040	-0.008	0.060	0.060	0.058	0.038
-0.70	-0.73	1.06	1.05	-0.031	-0.008	0.069	0.069	0.057	0.040
-0.65	-0.73	1.07	1.07	-0.014	-0.009	0.062	0.063	0.062	0.037
-0.60	-0.73	1.06	1.06	-0.016	-0.016	0.063	0.064	0.061	0.037
-0.55	-0.73	1.05	1.05	-0.009	-0.013	0.057	0.057	0.063	0.042
-0.50	-0.73	1.05	1.05	-0.006	-0.010	0.066	0.066	0.074	0.037
-0.40	-0.73	1.03	1.03	0.004	-0.009	0.061	0.061	0.067	0.045
-0.30	-0.73	1.01	1.00	0.005	-0.007	0.068	0.068	0.063	0.041
-0.20	-0.73	0.77	0.76	-0.001	0.001	0.077	0.078	0.069	0.044
-0.10	-0.73	0.91	0.91	0.021	-0.005	0.081	0.080	0.071	0.046
0.00	-0.73	0.89	0.89	-0.036	-0.000	0.075	0.076	0.078	0.043
0.10	-0.73	0.87	0.87	0.040	-0.006	0.079	0.078	0.054	0.045
0.20	-0.73	0.86	0.85	-0.049	0.001	0.085	0.085	0.076	0.074
0.30	-0.73	0.82	0.82	-0.043	-0.017	0.079	0.079	0.073	0.050
0.40	-0.73	0.81	0.80	-0.042	-0.025	0.078	0.079	0.075	0.049
0.50	-0.73	0.83	0.83	0.015	0.030	0.104	0.081	0.119	0.159
0.55	-0.73	0.83	0.83	0.085	0.037	0.209	0.242	0.052	0.178
0.60	-0.73	0.83	0.82	0.080	-0.037	0.063	0.063	0.042	0.054
0.65	-0.73	0.84	0.83	0.054	-0.045	0.057	0.058	0.056	0.041
0.70	-0.73	0.86	0.85	0.048	-0.037	0.051	0.051	0.052	0.047
0.80	-0.73	0.79	0.79	0.014	-0.037	0.083	0.085	0.058	0.047
-0.80	-0.75	0.99	0.98	-0.110	-0.002	0.078	0.078	0.066	0.045
-0.75	-0.75	0.97	0.98	-0.115	-0.003	0.083	0.083	0.068	0.041
-0.70	-0.75	0.99	0.99	-0.095	-0.013	0.081	0.081	0.071	0.041
-0.65	-0.75	1.00	0.99	-0.078	-0.014	0.078	0.077	0.069	0.044
-0.60	-0.75	0.98	0.98	-0.070	-0.005	0.084	0.083	0.072	0.046
-0.55	-0.75	1.00	0.99	-0.071	-0.010	0.083	0.084	0.074	0.045
-0.50	-0.75	0.98	0.97	-0.069	-0.005	0.074	0.074	0.077	0.041
-0.40	-0.75	0.94	0.94	-0.070	-0.004	0.091	0.090	0.090	0.049
-0.30	-0.75	0.97	0.97	-0.078	-0.002	0.087	0.087	0.082	0.046
-0.20	-0.75	0.88	0.87	-0.075	0.002	0.086	0.087	0.076	0.048
-0.10	-0.75	0.87	0.86	-0.105	0.001	0.102	0.103	0.085	0.049
0.00	-0.75	0.81	0.80	-0.115	0.007	0.099	0.101	0.091	0.048
0.10	-0.75	0.81	0.79	-0.106	-0.004	0.093	0.096	0.088	0.048
0.20	-0.75	0.80	0.78	-0.119	-0.001	0.078	0.076	0.076	0.073
0.30	-0.75	0.75	0.74	-0.107	-0.015	0.088	0.086	0.083	0.048
0.40	-0.75	0.75	0.74	-0.086	-0.022	0.076	0.076	0.103	0.043
0.50	-0.75	0.78	0.77	0.041	-0.024	0.073	0.073	0.090	0.046
0.60	-0.75	0.77	0.77	0.084	-0.037	0.081	0.079	0.046	0.159

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.70	-0.95	0.84	0.84	0.061	-0.075	0.075	0.067	0.062	0.178
0.80	-0.95	0.76	0.76	0.065	-0.019	0.082	0.084	0.064	0.132
0.70	0.00	0.93	0.92	0.077	-0.016	0.034	0.034	0.048	0.018
0.60	0.00	0.94	0.93	0.085	-0.016	0.035	0.035	0.049	0.017
0.50	0.00	0.95	0.94	0.094	-0.017	0.032	0.032	0.057	0.018
0.40	0.00	0.97	0.96	0.104	-0.018	0.034	0.034	0.061	0.025
0.30	0.00	0.98	0.98	0.101	-0.013	0.033	0.032	0.053	0.019
0.20	0.00	1.00	1.00	0.105	-0.014	0.035	0.034	0.053	0.020
0.10	0.00	1.01	1.01	0.107	-0.012	0.035	0.035	0.059	0.020
0.00	0.00	1.04	1.03	0.121	-0.018	0.033	0.033	0.061	0.018
-0.10	0.00	1.07	1.06	0.106	-0.021	0.039	0.039	0.053	0.020
-0.20	0.00	1.07	1.06	0.110	-0.019	0.033	0.033	0.054	0.021
-0.30	0.00	1.10	1.09	0.108	-0.023	0.036	0.036	0.057	0.020
-0.40	0.00	1.12	1.12	0.106	-0.021	0.033	0.034	0.055	0.018
-0.50	0.00	1.14	1.13	0.101	-0.020	0.033	0.033	0.048	0.020
-0.55	0.00	1.15	1.15	0.100	-0.020	0.031	0.030	0.049	0.017
-0.60	0.00	1.17	1.16	0.094	-0.021	0.032	0.032	0.048	0.019
-0.65	0.00	1.18	1.18	0.091	-0.022	0.034	0.034	0.043	0.018
-0.70	0.00	1.20	1.19	0.083	-0.019	0.030	0.030	0.038	0.020
-0.75	0.00	1.21	1.21	0.065	-0.022	0.027	0.027	0.033	0.020
-0.80	0.00	1.22	1.22	0.055	-0.017	0.030	0.030	0.028	0.020
-0.80	0.10	1.22	1.22	0.057	-0.020	0.033	0.033	0.028	0.020
-0.75	0.10	1.20	1.20	0.068	-0.017	0.033	0.033	0.034	0.018
-0.70	0.10	1.20	1.19	0.079	-0.021	0.032	0.032	0.039	0.020
-0.65	0.10	1.18	1.17	0.089	-0.023	0.030	0.030	0.045	0.020
-0.60	0.10	1.17	1.16	0.096	-0.022	0.029	0.029	0.048	0.021
-0.55	0.10	1.16	1.15	0.107	-0.022	0.032	0.032	0.050	0.021
-0.50	0.10	1.14	1.13	0.097	-0.026	0.036	0.036	0.047	0.021
-0.40	0.10	1.12	1.11	0.102	-0.024	0.034	0.035	0.052	0.020
-0.30	0.10	1.11	1.10	0.096	-0.018	0.033	0.032	0.051	0.019
-0.20	0.10	1.08	1.08	0.097	-0.018	0.034	0.034	0.050	0.020
-0.10	0.10	1.05	1.05	0.099	-0.018	0.034	0.033	0.056	0.020
0.00	0.10	1.04	1.03	0.093	-0.016	0.031	0.031	0.052	0.021
0.10	0.10	1.01	1.01	0.090	-0.011	0.034	0.034	0.052	0.020
0.20	0.10	1.00	0.99	0.096	-0.013	0.036	0.035	0.052	0.020
0.30	0.10	0.98	0.97	0.101	-0.013	0.036	0.035	0.052	0.019
0.40	0.10	0.96	0.95	0.095	-0.015	0.036	0.036	0.055	0.020
0.50	0.10	0.94	0.94	0.085	-0.012	0.033	0.033	0.048	0.019
0.60	0.10	0.93	0.92	0.080	-0.009	0.035	0.034	0.050	0.018
0.70	0.10	0.92	0.91	0.076	-0.011	0.032	0.032	0.046	0.018
0.80	0.10	0.89	0.89	0.061	-0.010	0.029	0.030	0.050	0.022
0.80	0.20	0.90	0.89	0.064	-0.007	0.033	0.033	0.041	0.021
0.70	0.20	0.91	0.91	0.072	-0.005	0.034	0.033	0.045	0.018
0.60	0.20	0.93	0.92	0.079	-0.009	0.033	0.033	0.052	0.019
0.50	0.20	0.95	0.94	0.087	-0.009	0.036	0.036	0.043	0.018
0.40	0.20	0.96	0.96	0.091	-0.006	0.034	0.034	0.051	0.019
0.30	0.20	0.98	0.98	0.091	-0.011	0.033	0.032	0.049	0.016
0.20	0.20	0.99	0.99	0.093	-0.012	0.035	0.035	0.047	0.021
0.10	0.20	1.02	1.02	0.095	-0.011	0.035	0.035	0.050	0.018
0.00	0.20	1.04	1.03	0.102	-0.015	0.038	0.038	0.050	0.019
-0.10	0.20	1.06	1.05	0.101	-0.016	0.036	0.036	0.053	0.020
-0.20	0.20	1.08	1.07	0.100	-0.018	0.035	0.035	0.052	0.020
-0.30	0.20	1.10	1.09	0.098	-0.015	0.035	0.035	0.052	0.021
-0.40	0.20	1.11	1.11	0.104	-0.021	0.032	0.031	0.053	0.020
-0.50	0.20	1.14	1.13	0.108	-0.021	0.034	0.034	0.047	0.020
-0.55	0.20	1.15	1.15	0.098	-0.023	0.031	0.031	0.046	0.020
-0.60	0.20	1.16	1.15	0.095	-0.026	0.033	0.032	0.043	0.020
-0.65	0.20	1.18	1.17	0.085	-0.026	0.032	0.032	0.040	0.021
-0.70	0.20	1.19	1.18	0.080	-0.022	0.032	0.032	0.042	0.018
-0.75	0.20	1.21	1.20	0.077	-0.026	0.031	0.031	0.035	0.019

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	0.20	1.21	1.21	0.064	-0.023	0.032	0.032	0.031	0.021
-0.80	0.30	1.22	1.21	0.063	-0.027	0.032	0.032	0.026	0.018
-0.75	0.30	1.20	1.20	0.072	-0.031	0.030	0.030	0.037	0.019
-0.70	0.30	1.19	1.18	0.084	-0.028	0.029	0.029	0.035	0.020
-0.65	0.30	1.18	1.17	0.095	-0.029	0.031	0.031	0.042	0.020
-0.60	0.30	1.17	1.16	0.098	-0.027	0.033	0.033	0.042	0.020
-0.55	0.30	1.15	1.14	0.096	-0.026	0.031	0.031	0.043	0.020
-0.50	0.30	1.14	1.13	0.102	-0.024	0.031	0.031	0.049	0.019
-0.40	0.30	1.12	1.11	0.110	-0.022	0.033	0.033	0.050	0.021
-0.30	0.30	1.12	1.11	0.100	-0.023	0.034	0.034	0.049	0.019
-0.20	0.30	1.08	1.08	0.103	-0.020	0.034	0.034	0.053	0.020
-0.10	0.30	1.06	1.06	0.097	-0.018	0.036	0.036	0.050	0.021
0.00	0.30	1.04	1.03	0.090	-0.010	0.033	0.033	0.045	0.021
0.10	0.30	1.03	1.02	0.093	-0.011	0.035	0.036	0.045	0.019
0.20	0.30	1.01	1.01	0.086	-0.010	0.034	0.034	0.044	0.019
0.30	0.30	0.99	0.98	0.086	-0.007	0.035	0.035	0.043	0.020
0.40	0.30	0.97	0.96	0.088	-0.008	0.034	0.034	0.045	0.019
0.50	0.30	0.95	0.94	0.078	-0.005	0.032	0.033	0.042	0.019
0.60	0.30	0.94	0.94	0.075	-0.005	0.034	0.034	0.043	0.020
0.70	0.30	0.92	0.92	0.069	-0.004	0.032	0.032	0.040	0.018
0.80	0.30	0.90	0.89	0.062	0.000	0.035	0.035	0.039	0.020
0.80	0.40	0.89	0.89	0.062	-0.004	0.030	0.030	0.041	0.020
0.70	0.40	0.91	0.91	0.065	-0.002	0.030	0.030	0.038	0.019
0.60	0.40	0.93	0.92	0.069	-0.002	0.036	0.036	0.041	0.019
0.50	0.40	0.96	0.95	0.078	-0.001	0.034	0.034	0.043	0.019
0.40	0.40	0.97	0.97	0.081	-0.004	0.035	0.035	0.042	0.019
0.30	0.40	0.99	0.99	0.091	-0.008	0.037	0.036	0.048	0.019
0.20	0.40	1.01	1.00	0.092	-0.007	0.035	0.035	0.049	0.019
0.10	0.40	1.03	1.02	0.099	-0.012	0.034	0.034	0.050	0.018
0.00	0.40	1.04	1.04	0.098	-0.012	0.034	0.034	0.049	0.019
-0.10	0.40	1.06	1.05	0.101	-0.017	0.035	0.035	0.047	0.020
-0.20	0.40	1.08	1.08	0.107	-0.019	0.035	0.035	0.048	0.019
-0.30	0.40	1.10	1.09	0.100	-0.020	0.035	0.035	0.045	0.020
-0.40	0.40	1.12	1.12	0.114	-0.027	0.031	0.031	0.057	0.020
-0.50	0.40	1.15	1.14	0.107	0.029	0.031	0.031	0.053	0.019
-0.55	0.40	1.16	1.16	0.104	0.027	0.033	0.033	0.045	0.021
-0.60	0.40	1.18	1.17	0.106	-0.029	0.033	0.033	0.047	0.020
-0.65	0.40	1.19	1.19	0.097	0.035	0.033	0.032	0.036	0.020
-0.70	0.40	1.20	1.20	0.088	-0.034	0.032	0.032	0.036	0.020
-0.75	0.40	1.22	1.22	0.075	0.034	0.032	0.032	0.028	0.018
-0.80	0.40	1.23	1.23	0.067	-0.036	0.032	0.032	0.024	0.020
-0.80	0.50	1.23	1.22	0.074	-0.039	0.034	0.034	0.028	0.020
-0.75	0.50	1.22	1.22	0.082	-0.039	0.029	0.029	0.030	0.020
-0.70	0.50	1.20	1.20	0.090	0.036	0.031	0.031	0.038	0.020
-0.65	0.50	1.19	1.18	0.102	-0.037	0.028	0.028	0.041	0.019
-0.60	0.50	1.17	1.17	0.106	-0.033	0.030	0.031	0.045	0.020
-0.55	0.50	1.17	1.17	0.108	-0.032	0.036	0.036	0.049	0.021
-0.50	0.50	1.15	1.15	0.106	-0.027	0.032	0.032	0.047	0.018
-0.40	0.50	1.13	1.13	0.100	-0.025	0.032	0.032	0.046	0.020
-0.30	0.50	1.11	1.10	0.101	-0.027	0.033	0.033	0.047	0.020
-0.20	0.50	1.08	1.08	0.105	-0.025	0.035	0.035	0.046	0.019
-0.10	0.50	1.07	1.06	0.108	-0.019	0.033	0.033	0.051	0.019
0.00	0.50	1.04	1.04	0.092	-0.012	0.035	0.034	0.047	0.019
0.10	0.50	1.03	1.02	0.084	-0.010	0.036	0.036	0.041	0.020
0.20	0.50	1.01	1.00	0.085	-0.010	0.032	0.032	0.041	0.019
0.30	0.50	0.99	0.98	0.080	-0.005	0.035	0.035	0.045	0.019
0.40	0.50	0.96	0.95	0.082	-0.007	0.034	0.034	0.045	0.019
0.50	0.50	0.95	0.94	0.081	-0.010	0.029	0.029	0.045	0.020
0.60	0.50	0.93	0.91	0.067	-0.007	0.027	0.027	0.039	0.019
0.70	0.50	0.89	0.89	0.069	-0.001	0.032	0.032	0.039	0.018

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.80	0.50	0.87	0.87	0.061	0.001	0.030	0.030	0.040	0.021
0.80	0.60	0.87	0.87	0.055	0.005	0.026	0.026	0.037	0.019
0.70	0.60	0.89	0.88	0.063	0.004	0.025	0.025	0.037	0.018
0.60	0.60	0.90	0.89	0.066	0.001	0.024	0.024	0.036	0.018
0.50	0.60	0.91	0.90	0.073	-0.004	0.025	0.025	0.039	0.018
0.40	0.60	0.94	0.93	0.082	-0.006	0.032	0.032	0.034	0.020
0.30	0.60	0.97	0.96	0.090	-0.013	0.030	0.030	0.041	0.019
0.20	0.60	0.99	0.99	0.095	-0.013	0.028	0.028	0.047	0.020
0.10	0.60	1.02	1.02	0.098	-0.007	0.039	0.040	0.044	0.018
0.00	0.60	1.04	1.03	0.089	-0.009	0.036	0.036	0.037	0.020
-0.10	0.60	1.07	1.06	0.094	-0.012	0.033	0.033	0.040	0.022
-0.20	0.60	1.09	1.08	0.110	-0.025	0.038	0.038	0.046	0.021
-0.30	0.60	1.11	1.10	0.107	-0.029	0.034	0.034	0.046	0.019
-0.40	0.60	1.13	1.12	0.097	-0.029	0.035	0.035	0.048	0.021
-0.50	0.60	1.15	1.14	0.105	-0.029	0.032	0.031	0.048	0.021
-0.55	0.60	1.17	1.16	0.108	-0.032	0.031	0.031	0.050	0.019
-0.60	0.60	1.17	1.17	0.098	-0.033	0.028	0.028	0.046	0.021
-0.65	0.60	1.19	1.18	0.101	-0.035	0.031	0.031	0.044	0.021
-0.70	0.60	1.20	1.20	0.094	-0.037	0.033	0.033	0.041	0.020
-0.75	0.60	1.22	1.21	0.087	-0.040	0.027	0.026	0.034	0.020
-0.80	0.60	1.23	1.23	0.079	-0.041	0.029	0.029	0.026	0.022
-0.80	0.70	1.23	1.22	0.091	-0.045	0.038	0.038	0.026	0.023
-0.75	0.70	1.22	1.21	0.093	-0.038	0.029	0.029	0.031	0.020
-0.70	0.70	1.20	1.19	0.099	-0.035	0.033	0.033	0.035	0.020
-0.65	0.70	1.18	1.18	0.101	-0.031	0.032	0.033	0.036	0.020
-0.60	0.70	1.17	1.17	0.104	-0.034	0.031	0.032	0.041	0.020
-0.55	0.70	1.16	1.16	0.109	-0.030	0.031	0.031	0.050	0.022
-0.50	0.70	1.15	1.15	0.102	-0.032	0.032	0.031	0.046	0.019
-0.40	0.70	1.13	1.13	0.096	-0.026	0.030	0.030	0.044	0.020
-0.30	0.70	1.11	1.10	0.079	-0.033	0.035	0.034	0.045	0.020
-0.20	0.70	1.07	1.07	0.087	-0.026	0.032	0.031	0.043	0.022
-0.10	0.70	1.03	1.03	0.079	-0.016	0.036	0.036	0.037	0.023
0.00	0.70	1.01	1.01	0.079	-0.012	0.029	0.029	0.035	0.021
0.10	0.70	0.97	0.97	0.085	-0.012	0.030	0.030	0.038	0.021
0.20	0.70	0.96	0.95	0.087	-0.011	0.028	0.028	0.039	0.020
0.30	0.70	0.94	0.94	0.084	-0.006	0.024	0.024	0.038	0.019
0.40	0.70	0.94	0.93	0.084	-0.005	0.024	0.024	0.036	0.019
0.50	0.70	0.92	0.92	0.076	-0.007	0.026	0.026	0.037	0.020
0.60	0.70	0.91	0.90	0.069	-0.001	0.027	0.026	0.037	0.021
0.70	0.70	0.88	0.88	0.063	0.007	0.027	0.027	0.038	0.018
0.80	0.70	0.87	0.87	0.057	0.006	0.029	0.029	0.041	0.023
0.80	0.80	0.86	0.86	0.050	0.009	0.033	0.034	0.045	0.029
0.70	0.80	0.88	0.88	0.050	0.012	0.029	0.029	0.032	0.020
0.60	0.80	0.90	0.90	0.065	0.004	0.030	0.030	0.036	0.020
0.50	0.80	0.92	0.91	0.077	-0.001	0.028	0.028	0.037	0.023
0.40	0.80	0.94	0.93	0.075	-0.008	0.028	0.028	0.034	0.024
0.30	0.80	0.95	0.95	0.081	-0.013	0.032	0.032	0.036	0.023
0.20	0.80	0.97	0.96	0.082	-0.018	0.030	0.030	0.042	0.023
0.10	0.80	0.95	0.94	0.087	-0.016	0.030	0.030	0.038	0.021
0.00	0.80	0.95	0.95	0.069	-0.015	0.028	0.028	0.036	0.022
-0.10	0.80	0.99	0.98	0.070	-0.030	0.032	0.032	0.042	0.026
-0.20	0.80	1.03	1.03	0.083	-0.036	0.029	0.028	0.045	0.024
-0.30	0.80	1.07	1.06	0.084	-0.036	0.029	0.029	0.047	0.022
-0.40	0.80	1.11	1.11	0.089	-0.033	0.030	0.030	0.042	0.020
-0.50	0.80	1.15	1.14	0.091	-0.019	0.027	0.027	0.040	0.021
-0.55	0.80	1.16	1.15	0.103	-0.025	0.032	0.032	0.042	0.021
-0.60	0.80	1.17	1.16	0.104	-0.028	0.031	0.032	0.044	0.021
-0.65	0.80	1.18	1.18	0.098	-0.026	0.031	0.031	0.041	0.022
-0.70	0.80	1.19	1.19	0.104	-0.025	0.033	0.034	0.038	0.023
-0.75	0.80	1.20	1.19	0.101	-0.028	0.038	0.038	0.034	0.023

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	0.80	1.17	1.17	0.098	-0.039	0.048	0.048	0.029	0.032
-0.80	0.80	1.18	1.18	0.097	-0.040	0.054	0.054	0.028	0.029
-0.80	0.70	1.22	1.21	0.087	-0.040	0.035	0.035	0.025	0.022
-0.80	0.60	1.23	1.22	0.082	-0.038	0.028	0.028	0.028	0.021
-0.80	0.50	1.23	1.23	0.071	-0.041	0.031	0.031	0.028	0.021
-0.80	0.40	1.22	1.22	0.067	-0.041	0.031	0.031	0.027	0.021
-0.80	0.30	1.23	1.23	0.063	-0.027	0.032	0.032	0.027	0.021
-0.80	0.20	1.22	1.22	0.060	-0.021	0.034	0.034	0.029	0.019
-0.80	0.10	1.22	1.22	0.055	-0.017	0.031	0.031	0.029	0.017
-0.80	0.00	1.22	1.22	0.052	-0.015	0.032	0.032	0.030	0.018
-0.80	-0.10	1.22	1.22	0.048	-0.010	0.027	0.027	0.027	0.018
-0.80	-0.20	1.23	1.22	0.055	-0.006	0.027	0.027	0.030	0.017
0.80	-0.30	1.22	1.22	0.061	-0.004	0.029	0.028	0.030	0.020
0.80	-0.40	1.22	1.22	0.067	0.003	0.031	0.031	0.033	0.018
-0.80	-0.50	1.22	1.22	0.067	0.002	0.035	0.035	0.030	0.020
-0.80	-0.60	1.22	1.22	0.074	0.008	0.031	0.031	0.030	0.019
-0.80	-0.70	1.22	1.22	0.081	0.012	0.034	0.034	0.032	0.021
-0.80	-0.80	1.20	1.20	0.080	-0.001	0.052	0.052	0.032	0.024
-0.90	0.80	1.11	1.10	0.064	-0.073	0.051	0.051	0.032	0.035
-0.90	0.70	1.14	1.14	0.061	-0.062	0.047	0.047	0.032	0.033
-0.90	0.60	1.16	1.16	0.053	-0.055	0.051	0.052	0.028	0.031
-0.90	0.50	1.18	1.18	0.045	-0.042	0.056	0.057	0.030	0.026
-0.90	0.40	1.18	1.18	0.037	-0.032	0.051	0.051	0.027	0.027
-0.90	0.30	1.19	1.19	0.039	-0.024	0.050	0.050	0.028	0.022
-0.90	0.20	1.19	1.19	0.037	-0.017	0.060	0.060	0.025	0.025
-0.90	0.10	1.18	1.18	0.040	-0.011	0.066	0.066	0.024	0.025
0.90	0.00	1.18	1.18	0.047	-0.005	0.062	0.062	0.023	0.020
-0.90	-0.10	1.19	1.19	0.039	0.001	0.056	0.056	0.025	0.026
-0.90	-0.20	1.19	1.19	0.036	0.005	0.062	0.062	0.034	0.022
-0.90	-0.30	1.20	1.20	0.038	0.011	0.051	0.051	0.029	0.022
-0.90	-0.40	1.19	1.19	0.050	0.015	0.047	0.047	0.024	0.021
-0.90	-0.50	1.18	1.18	0.054	0.020	0.056	0.056	0.026	0.024
-0.90	-0.60	1.16	1.16	0.054	0.034	0.053	0.052	0.038	0.035
-0.90	-0.70	1.13	1.13	0.067	0.040	0.064	0.055	0.037	0.172
0.90	-0.80	1.11	1.10	0.054	0.048	0.050	0.050	0.032	0.024
-0.93	0.80	1.04	1.04	0.050	-0.087	0.073	0.073	0.030	0.038
-0.93	0.70	1.05	1.04	0.051	-0.078	0.069	0.069	0.037	0.041
-0.93	0.60	1.10	1.09	0.039	-0.063	0.058	0.057	0.029	0.036
-0.93	0.50	1.11	1.11	0.036	-0.047	0.054	0.054	0.028	0.034
-0.93	0.40	1.13	1.13	0.029	-0.040	0.045	0.046	0.026	0.029
-0.93	0.30	1.14	1.14	0.022	-0.031	0.044	0.044	0.036	0.030
-0.93	0.20	1.14	1.14	0.021	-0.023	0.045	0.045	0.027	0.031
-0.93	0.10	1.13	1.13	0.024	-0.010	0.053	0.053	0.023	0.030
-0.93	0.00	1.13	1.12	0.026	-0.007	0.051	0.051	0.030	0.028
-0.93	-0.10	1.14	1.13	0.028	0.004	0.048	0.048	0.026	0.029
-0.93	-0.20	1.13	1.13	0.026	0.007	0.047	0.047	0.027	0.028
0.93	-0.30	1.13	1.13	0.030	0.007	0.043	0.043	0.027	0.027
-0.93	-0.40	1.13	1.13	0.034	0.017	0.050	0.050	0.029	0.026
-0.93	-0.50	1.12	1.12	0.029	0.024	0.046	0.046	0.028	0.031
-0.93	-0.60	1.07	1.09	0.044	0.034	0.049	0.049	0.029	0.037
-0.93	-0.70	1.03	1.03	0.044	0.053	0.060	0.061	0.032	0.041
-0.93	-0.80	1.01	1.01	0.036	0.060	0.063	0.063	0.043	0.037
0.88	0.80	0.87	0.81	0.045	0.011	0.057	0.058	0.054	0.038
0.88	0.70	0.83	0.87	0.039	0.009	0.045	0.045	0.054	0.029
0.88	0.60	0.85	0.85	0.075	0.008	0.032	0.031	0.057	0.021
0.88	0.50	0.85	0.84	0.050	-0.001	0.031	0.032	0.045	0.021
0.88	0.40	0.85	0.85	0.052	-0.003	0.043	0.043	0.049	0.032
0.88	0.30	0.85	0.85	0.057	-0.002	0.048	0.048	0.045	0.029
0.88	0.20	0.86	0.86	0.062	-0.008	0.039	0.038	0.056	0.028
0.88	0.10	0.86	0.85	0.046	-0.009	0.042	0.042	0.042	0.032

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.88	0.00	0.86	0.86	0.055	-0.012	0.038	0.039	0.038	0.029
0.88	-0.10	0.86	0.85	0.052	-0.014	0.044	0.045	0.044	0.030
0.88	-0.20	0.85	0.84	0.050	-0.015	0.058	0.059	0.044	0.031
0.88	-0.30	0.86	0.85	0.060	-0.018	0.038	0.038	0.049	0.035
0.88	-0.40	0.84	0.83	0.056	-0.023	0.060	0.061	0.050	0.038
0.88	-0.50	0.85	0.85	0.062	-0.030	0.053	0.053	0.053	0.034
0.88	-0.60	0.84	0.83	0.065	-0.030	0.062	0.062	0.051	0.034
0.88	-0.70	0.83	0.83	0.072	-0.035	0.070	0.070	0.058	0.036
0.88	-0.80	0.78	0.78	0.060	-0.036	0.082	0.083	0.057	0.042

Table D-4, Station 8, $\theta = 60°$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.00	0.88	0.88	0.058	-0.003	0.042	0.042	0.048	0.028
0.70	0.00	0.92	0.92	0.085	-0.009	0.034	0.034	0.053	0.023
0.60	0.00	0.93	0.93	0.059	-0.006	0.032	0.032	0.044	0.019
0.50	0.00	0.95	0.95	0.085	-0.009	0.034	0.034	0.052	0.019
0.40	0.00	0.97	0.96	0.075	-0.005	0.034	0.034	0.045	0.020
0.30	0.00	0.99	0.99	0.075	-0.005	0.032	0.032	0.048	0.020
0.20	0.00	1.01	1.01	0.074	-0.005	0.035	0.027	0.046	0.121
0.10	0.00	1.03	1.02	0.092	-0.005	0.032	0.032	0.048	0.018
0.00	0.00	1.04	1.04	0.079	-0.001	0.027	0.027	0.049	0.016
-0.10	0.00	1.06	1.06	0.079	-0.003	0.031	0.031	0.049	0.019
-0.20	0.00	1.09	1.08	0.084	-0.003	0.028	0.028	0.044	0.018
-0.30	0.00	1.11	1.10	0.090	-0.004	0.029	0.029	0.049	0.018
-0.40	0.00	1.13	1.13	0.090	-0.003	0.027	0.026	0.043	0.017
-0.50	0.00	1.15	1.14	0.087	-0.004	0.028	0.027	0.037	0.017
-0.55	0.00	1.16	1.16	0.089	-0.003	0.029	0.029	0.039	0.017
-0.60	0.00	1.17	1.17	0.083	-0.004	0.027	0.027	0.032	0.018
-0.65	0.00	1.19	1.19	0.082	-0.001	0.027	0.027	0.030	0.016
-0.70	0.00	1.20	1.20	0.074	-0.003	0.024	0.024	0.026	0.017
-0.75	0.00	1.22	1.22	0.066	-0.002	0.024	0.024	0.024	0.017
-0.80	0.00	1.21	1.21	0.066	0.000	0.038	0.038	0.020	0.016
-0.80	-0.10	1.22	1.22	0.065	0.006	0.030	0.030	0.024	0.016
-0.75	-0.10	1.21	1.21	0.076	0.006	0.029	0.029	0.028	0.016
-0.70	-0.10	1.20	1.19	0.082	-0.002	0.029	0.029	0.028	0.018
-0.65	-0.10	1.19	1.18	0.094	-0.008	0.030	0.030	0.028	0.020
-0.60	-0.10	1.18	1.17	0.090	-0.005	0.028	0.029	0.033	0.018
-0.55	-0.10	1.16	1.16	0.096	-0.009	0.032	0.032	0.033	0.020
-0.50	-0.10	1.15	1.15	0.096	-0.005	0.029	0.029	0.037	0.017
-0.40	-0.10	1.13	1.13	0.108	-0.007	0.028	0.028	0.042	0.020
-0.30	-0.10	1.11	1.10	0.110	-0.008	0.031	0.031	0.041	0.021
-0.20	-0.10	1.08	1.08	0.112	-0.010	0.028	0.027	0.048	0.020
-0.10	-0.10	1.06	1.05	0.109	-0.009	0.034	0.034	0.051	0.020
0.00	-0.10	1.04	1.04	0.108	-0.006	0.033	0.034	0.044	0.020
0.10	-0.10	1.03	1.02	0.102	-0.009	0.034	0.034	0.049	0.021
0.20	-0.10	1.00	1.00	0.099	-0.010	0.033	0.033	0.050	0.019
0.30	-0.10	0.98	0.97	0.096	-0.013	0.033	0.033	0.050	0.023
0.40	-0.10	0.96	0.96	0.101	-0.008	0.031	0.031	0.052	0.022
0.50	-0.10	0.95	0.94	0.085	-0.012	0.029	0.029	0.046	0.024
0.60	-0.10	0.93	0.93	0.090	-0.013	0.032	0.032	0.049	0.02.
0.70	-0.10	0.91	0.91	0.085	-0.014	0.032	0.032	0.052	0.020
0.80	-0.10	0.88	0.80	0.082	-0.010	0.037	0.037	0.047	0.026
0.80	-0.20	0.88	0.87	0.091	-0.018	0.039	0.039	0.056	0.025
0.70	-0.20	0.91	0.90	0.094	-0.017	0.032	0.031	0.045	0.022
0.60	-0.20	0.93	0.92	0.096	-0.013	0.034	0.034	0.052	0.021
0.50	-0.20	0.95	0.94	0.108	-0.017	0.034	0.035	0.051	0.024
0.40	-0.20	0.96	0.95	0.109	-0.015	0.032	0.032	0.051	0.021
0.30	-0.20	0.98	0.98	0.098	-0.019	0.029	0.029	0.048	0.022
0.20	-0.20	1.00	0.99	0.111	-0.014	0.033	0.033	0.052	0.020
0.10	-0.20	1.02	1.01	0.113	-0.014	0.033	0.033	0.052	0.020
0.00	-0.20	1.04	1.04	0.118	-0.016	0.032	0.032	0.048	0.023
-0.10	-0.20	1.06	1.05	0.122	-0.012	0.032	0.032	0.047	0.022
-0.20	-0.20	1.08	1.08	0.112	-0.014	0.029	0.029	0.041	0.022
0.30	-0.20	1.11	1.10	0.114	-0.015	0.028	0.028	0.041	0.022
-0.40	-0.20	1.13	1.13	0.111	-0.014	0.026	0.026	0.032	0.020
-0.50	-0.20	1.16	1.15	0.110	-0.014	0.022	0.022	0.035	0.022
-0.55	-0.20	1.17	1.16	0.105	-0.012	0.022	0.022	0.031	0.023
-0.60	-0.20	1.18	1.18	0.100	-0.009	0.025	0.025	0.028	0.021
-0.65	-0.20	1.19	1.19	0.097	-0.007	0.026	0.026	0.029	0.021
-0.70	-0.20	1.21	1.21	0.091	0.000	0.024	0.024	0.023	0.018
-0.75	-0.20	1.22	1.22	0.086	0.006	0.021	0.021	0.025	0.020
0.80	-0.20	1.23	1.23	0.081	0.014	0.023	0.023	0.022	0.018

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.50	1.23	1.22	0.093	0.012	0.021	0.021	0.025	0.017
-0.75	-0.50	1.22	1.22	0.093	0.009	0.021	0.021	0.025	0.015
-0.70	-0.50	1.21	1.21	0.100	0.004	0.026	0.026	0.028	0.014
-0.65	-0.50	1.20	1.19	0.102	0.001	0.024	0.024	0.029	0.014
-0.60	-0.50	1.18	1.18	0.103	-0.007	0.028	0.028	0.030	0.016
-0.55	-0.50	1.17	1.17	0.104	-0.012	0.029	0.029	0.032	0.015
-0.50	-0.50	1.16	1.15	0.104	-0.012	0.030	0.030	0.036	0.020
-0.40	-0.50	1.14	1.13	0.107	-0.010	0.029	0.029	0.048	0.016
-0.30	-0.50	1.11	1.11	0.105	-0.010	0.026	0.026	0.051	0.018
-0.20	-0.50	1.09	1.08	0.119	-0.012	0.027	0.027	0.056	0.018
-0.10	-0.50	1.07	1.06	0.124	-0.009	0.029	0.029	0.063	0.017
0.00	-0.50	1.06	1.05	0.131	-0.017	0.031	0.031	0.060	0.021
0.10	-0.50	1.03	1.02	0.123	-0.014	0.031	0.029	0.066	0.020
0.20	-0.50	1.03	1.02	0.118	-0.006	0.033	0.032	0.072	0.013
0.30	-0.50	1.00	0.98	0.127	-0.012	0.028	0.028	0.068	0.022
0.40	-0.50	0.98	0.96	0.136	-0.013	0.033	0.030	0.077	0.021
0.50	-0.50	0.95	0.95	0.089	-0.009	0.026	0.024	0.079	0.019
0.60	-0.50	0.93	0.93	0.068	-0.001	0.022	0.020	0.081	0.016
0.70	-0.50	0.92	0.91	0.137	-0.013	0.029	0.028	0.062	0.025
0.80	-0.50	0.90	0.89	0.131	-0.013	0.038	0.036	0.068	0.032
0.80	-0.40	0.90	0.88	0.116	-0.016	0.042	0.039	0.083	0.030
0.70	-0.40	0.92	0.92	0.094	-0.015	0.028	0.026	0.075	0.021
0.60	-0.40	0.94	0.93	0.092	-0.016	0.032	0.031	0.068	0.021
0.50	-0.40	0.95	0.94	0.076	-0.014	0.032	0.030	0.075	0.019
0.40	-0.40	0.96	0.96	0.056	-0.006	0.020	0.019	0.046	0.013
0.30	-0.40	0.99	0.98	0.085	-0.017	0.031	0.030	0.072	0.018
0.20	-0.40	1.03	1.02	0.098	-0.009	0.031	0.030	0.077	0.012
0.10	-0.40	1.03	1.02	0.121	-0.017	0.029	0.029	0.062	0.015
0.00	-0.40	1.06	1.05	0.127	-0.016	0.029	0.028	0.069	0.019
-0.10	-0.40	1.07	1.06	0.112	-0.015	0.032	0.031	0.068	0.019
-0.20	-0.40	1.09	1.09	0.114	-0.015	0.031	0.031	0.063	0.017
-0.30	-0.40	1.12	1.11	0.108	-0.016	0.026	0.026	0.060	0.017
-0.40	-0.40	1.14	1.13	0.102	-0.014	0.026	0.026	0.052	0.017
-0.50	-0.40	1.16	1.15	0.099	-0.012	0.024	0.024	0.047	0.014
-0.55	-0.40	1.17	1.17	0.089	-0.010	0.026	0.026	0.039	0.016
-0.60	-0.40	1.18	1.18	0.090	-0.011	0.023	0.023	0.031	0.016
-0.65	-0.40	1.20	1.19	0.089	-0.009	0.024	0.024	0.029	0.017
-0.70	-0.40	1.21	1.21	0.091	-0.007	0.023	0.023	0.028	0.016
-0.75	-0.40	1.22	1.22	0.092	-0.005	0.022	0.021	0.026	0.016
-0.80	-0.40	1.20	1.19	0.092	0.004	0.032	0.032	0.026	0.017
-0.80	-0.50	1.13	1.13	0.076	-0.013	0.043	0.043	0.030	0.028
-0.75	-0.50	1.22	1.21	0.080	-0.021	0.026	0.026	0.027	0.017
-0.70	-0.50	1.21	1.21	0.086	-0.017	0.022	0.022	0.027	0.015
-0.65	-0.50	1.20	1.20	0.087	-0.021	0.023	0.022	0.034	0.019
-0.60	-0.50	1.18	1.18	0.085	-0.013	0.022	0.022	0.034	0.015
-0.55	-0.50	1.17	1.17	0.081	-0.013	0.028	0.027	0.039	0.015
-0.50	-0.50	1.16	1.15	0.078	-0.011	0.023	0.023	0.037	0.017
-0.40	-0.50	1.14	1.13	0.086	-0.010	0.022	0.022	0.049	0.016
-0.30	-0.50	1.11	1.11	0.085	-0.012	0.022	0.022	0.053	0.014
-0.20	-0.50	1.09	1.09	0.079	-0.013	0.022	0.022	0.052	0.015
-0.10	-0.50	1.07	1.07	0.084	-0.010	0.023	0.022	0.066	0.015
0.00	-0.50	1.05	1.05	0.115	-0.014	0.029	0.028	0.071	0.017
0.10	-0.50	1.04	1.03	0.127	-0.018	0.034	0.033	0.068	0.020
0.20	-0.50	1.03	1.03	0.105	-0.010	0.034	0.032	0.078	0.011
0.30	-0.50	0.99	0.98	0.104	-0.017	0.036	0.035	0.076	0.018
0.40	-0.50	0.98	0.97	0.105	-0.015	0.030	0.028	0.083	0.020
0.50	-0.50	0.95	0.94	0.103	-0.019	0.032	0.031	0.079	0.021
0.60	-0.50	0.94	0.93	0.125	-0.019	0.031	0.028	0.093	0.015
0.70	-0.50	0.93	0.91	0.150	-0.021	0.033	0.032	0.077	0.019
0.80	-0.50	0.90	0.89	0.121	-0.017	0.037	0.036	0.082	0.035

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	-0.60	0.88	0.87	0.113	-0.019	0.052	0.053	0.097	0.031
0.70	-0.60	0.92	0.91	0.140	-0.016	0.028	0.026	0.077	0.022
0.60	-0.60	0.94	0.93	0.108	-0.012	0.028	0.027	0.082	0.018
0.50	-0.60	0.95	0.94	0.099	-0.016	0.024	0.024	0.078	0.020
0.40	-0.60	0.97	0.96	0.053	-0.011	0.017	0.016	0.059	0.013
0.30	-0.60	0.99	0.98	0.056	-0.013	0.023	0.021	0.060	0.016
0.20	-0.60	1.03	1.02	0.098	-0.011	0.032	0.030	0.069	0.012
0.10	-0.60	1.03	1.02	0.091	-0.016	0.025	0.023	0.072	0.016
0.00	-0.60	1.05	1.04	0.116	-0.016	0.029	0.029	0.067	0.017
-0.10	-0.60	1.07	1.07	0.074	-0.011	0.024	0.022	0.062	0.016
-0.20	-0.60	1.09	1.09	0.074	-0.008	0.019	0.019	0.055	0.015
-0.30	-0.60	1.12	1.12	0.068	-0.007	0.017	0.017	0.039	0.013
-0.40	-0.60	1.15	1.14	0.058	-0.008	0.015	0.015	0.025	0.015
-0.50	-0.60	1.17	1.17	0.056	-0.013	0.017	0.017	0.023	0.015
-0.55	-0.60	1.18	1.18	0.058	-0.010	0.017	0.017	0.018	0.014
-0.60	-0.60	1.20	1.19	0.061	-0.013	0.016	0.016	0.019	0.016
-0.65	-0.60	1.21	1.21	0.062	-0.019	0.017	0.017	0.018	0.015
-0.70	-0.60	1.22	1.22	0.065	-0.023	0.021	0.021	0.019	0.015
-0.75	-0.60	1.21	1.21	0.071	-0.030	0.034	0.034	0.020	0.018
-0.80	-0.60	1.12	1.12	0.067	-0.024	0.055	0.055	0.029	0.032
-0.80	-0.70	1.11	1.11	0.044	-0.006	0.041	0.041	0.031	0.030
-0.75	-0.70	1.19	1.19	0.054	-0.026	0.045	0.045	0.022	0.024
-0.70	-0.70	1.22	1.22	0.053	-0.022	0.025	0.025	0.022	0.016
-0.65	-0.70	1.20	1.20	0.054	-0.012	0.021	0.021	0.027	0.021
-0.60	-0.70	1.19	1.19	0.057	-0.014	0.020	0.020	0.020	0.016
-0.55	-0.70	1.18	1.18	0.062	-0.007	0.019	0.019	0.025	0.015
-0.50	-0.70	1.16	1.16	0.063	-0.009	0.022	0.022	0.030	0.017
-0.40	-0.70	1.14	1.14	0.066	-0.006	0.017	0.017	0.032	0.016
-0.30	-0.70	1.12	1.11	0.065	-0.009	0.021	0.021	0.035	0.015
-0.20	-0.70	1.09	1.09	0.065	-0.013	0.020	0.019	0.039	0.015
-0.10	-0.70	1.07	1.06	0.076	-0.013	0.020	0.018	0.055	0.015
0.00	-0.70	1.04	1.04	0.062	-0.015	0.020	0.019	0.045	0.015
0.10	-0.70	1.02	1.02	0.055	-0.013	0.019	0.018	0.044	0.014
0.20	-0.70	1.01	1.00	0.063	-0.020	0.031	0.031	0.060	0.023
0.30	-0.70	0.98	0.97	0.050	-0.013	0.026	0.026	0.055	0.017
0.40	-0.70	0.96	0.96	0.031	-0.008	0.019	0.019	0.034	0.014
0.50	-0.70	0.94	0.94	0.038	-0.005	0.019	0.019	0.049	0.015
0.60	-0.70	0.93	0.92	0.104	-0.007	0.024	0.022	0.073	0.027
0.70	-0.70	0.92	0.91	0.114	-0.009	0.031	0.030	0.062	0.026
0.80	-0.70	0.89	0.88	0.069	-0.015	0.045	0.045	0.071	0.036
0.80	-0.80	0.85	0.84	0.064	-0.014	0.072	0.071	0.077	0.047
0.70	-0.80	0.90	0.90	0.079	-0.009	0.042	0.041	0.080	0.028
0.60	-0.80	0.94	0.93	0.091	-0.002	0.026	0.025	0.066	0.026
0.50	-0.80	0.95	0.95	0.031	-0.002	0.020	0.019	0.038	0.018
0.40	-0.80	0.97	0.97	0.037	-0.008	0.021	0.021	0.044	0.019
0.30	-0.80	0.98	0.98	0.043	-0.015	0.023	0.023	0.044	0.021
0.20	-0.80	1.01	1.01	0.046	-0.017	0.023	0.023	0.040	0.032
0.10	-0.80	1.03	1.02	0.074	-0.025	0.030	0.029	0.061	0.025
0.00	-0.80	1.05	1.04	0.088	-0.025	0.028	0.028	0.057	0.023
-0.10	-0.80	1.07	1.07	0.089	-0.019	0.030	0.030	0.056	0.022
-0.20	-0.80	1.10	1.09	0.089	-0.015	0.032	0.031	0.050	0.022
-0.30	-0.80	1.12	1.11	0.084	-0.012	0.030	0.030	0.047	0.024
-0.40	-0.80	1.14	1.14	0.093	-0.006	0.030	0.030	0.043	0.024
-0.50	-0.80	1.17	1.16	0.066	-0.001	0.026	0.026	0.034	0.024
-0.55	-0.80	1.18	1.18	0.065	0.000	0.023	0.023	0.033	0.024
-0.60	-0.80	1.19	1.19	0.054	0.000	0.022	0.022	0.027	0.019
-0.65	-0.80	1.21	1.21	0.046	-0.003	0.023	0.023	0.027	0.020
-0.70	-0.80	1.21	1.21	0.043	-0.012	0.029	0.029	0.030	0.020
-0.75	-0.80	1.17	1.17	0.039	-0.017	0.046	0.046	0.032	0.026
-0.80	-0.80	1.14	1.14	0.020	0.007	0.039	0.040	0.037	0.028

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.85	1.15	1.15	0.007	0.008	0.057	0.057	0.037	0.035
-0.75	-0.85	1.18	1.18	0.022	-0.012	0.044	0.043	0.064	0.033
-0.70	-0.85	1.18	1.18	0.029	-0.009	0.050	0.050	0.039	0.040
-0.65	-0.85	1.16	1.16	0.045	-0.007	0.068	0.069	0.051	0.03[illegible]
-0.60	-0.85	1.15	1.14	0.057	-0.003	0.060	0.058	0.064	0.045
-0.55	-0.85	1.15	1.15	0.067	-0.008	0.037	0.038	0.039	0.033
-0.50	-0.85	1.12	1.12	0.063	-0.018	0.064	0.064	0.040	0.036
-0.40	-0.85	1.09	1.09	0.067	-0.013	0.059	0.059	0.059	0.046
-0.30	-0.85	1.06	1.05	0.060	-0.025	0.071	0.072	0.058	0.042
-0.20	-0.85	1.05	1.05	0.063	-0.015	0.058	0.058	0.061	0.050
-0.10	-0.85	1.04	1.04	0.061	-0.032	0.042	0.041	0.046	0.044
0.00	-0.85	1.03	1.02	0.054	-0.031	0.051	0.044	0.031	0.131
0.10	-0.85	1.01	1.01	0.045	-0.026	0.035	0.034	0.031	0.029
0.20	-0.85	1.00	1.00	0.042	-0.020	0.033	0.024	0.033	0.151
0.30	-0.85	0.97	0.97	0.034	-0.017	0.020	0.020	0.035	0.027
0.40	-0.85	0.96	0.96	0.035	-0.011	0.023	0.024	0.035	0.024
0.50	-0.85	0.94	0.94	0.027	-0.005	0.025	0.024	0.045	0.024
0.60	-0.85	0.92	0.92	0.031	-0.008	0.028	0.027	0.046	0.032
0.70	-0.85	0.89	0.88	0.044	-0.001	0.050	0.049	0.076	0.033
0.80	-0.85	0.85	0.84	0.036	-0.024	0.063	0.063	0.044	0.043
-0.80	-0.90	1.04	1.03	-0.111	0.015	0.102	0.101	0.099	0.049
-0.75	-0.90	1.04	1.03	-0.098	0.010	0.073	0.073	0.088	0.059
-0.70	-0.90	1.02	1.01	-0.080	-0.004	0.092	0.093	0.091	0.055
-0.65	-0.90	1.04	1.03	-0.072	-0.006	0.090	0.090	0.083	0.054
-0.60	-0.90	1.03	1.03	-0.050	-0.004	0.087	0.087	0.087	0.054
-0.55	-0.90	1.00	0.99	-0.059	-0.004	0.089	0.090	0.101	0.053
-0.50	-0.90	1.01	1.00	-0.074	-0.018	0.092	0.093	0.102	0.053
0.40	-0.90	0.98	0.98	-0.032	-0.010	0.081	0.082	0.105	0.057
-0.30	-0.90	0.97	0.96	-0.036	-0.009	0.086	0.088	0.100	0.049
-0.20	-0.90	0.98	0.97	-0.009	-0.017	0.079	0.079	0.091	0.050
0.10	-0.90	0.95	0.94	-0.010	-0.022	0.068	0.068	0.100	0.051
0.00	-0.90	0.96	0.96	-0.003	-0.012	0.069	0.067	0.090	0.046
0.10	-0.90	0.96	0.96	0.024	-0.024	0.050	0.050	0.076	0.038
0.20	-0.90	0.96	0.96	0.006	-0.007	0.051	0.052	0.068	0.050
0.30	-0.90	0.95	0.94	0.037	-0.018	0.039	0.040	0.062	0.037
0.40	-0.90	0.94	0.93	0.034	-0.014	0.046	0.046	0.057	0.040
0.50	-0.90	0.92	0.91	0.057	-0.011	0.050	0.051	0.066	0.030
0.60	-0.90	0.89	0.88	0.099	-0.015	0.059	0.059	0.055	0.036
0.70	-0.90	0.86	0.85	0.087	0.014	0.064	0.062	0.074	0.044
0.80	-0.90	0.81	0.80	0.071	-0.014	0.063	0.063	0.067	0.042
-0.80	-0.93	0.99	0.97	-0.153	0.013	0.097	0.095	0.090	0.071
-0.75	-0.93	1.01	0.99	-0.187	-0.006	0.090	0.090	0.097	0.048
-0.70	-0.93	0.99	0.97	-0.133	-0.006	0.098	0.099	0.100	0.050
-0.65	-0.93	0.96	0.94	-0.130	0.000	0.091	0.092	0.101	0.055
-0.60	-0.93	0.95	0.93	-0.119	0.012	0.085	0.087	0.079	0.052
-0.55	-0.93	0.96	0.94	-0.116	-0.009	0.101	0.102	0.101	0.051
-0.50	-0.93	0.95	0.93	-0.116	-0.005	0.093	0.095	0.106	0.062
-0.40	-0.93	0.93	0.92	-0.111	-0.008	0.084	0.083	0.114	0.05[illegible]
-0.30	-0.93	0.93	0.92	-0.114	0.010	0.075	0.075	0.093	0.049
-0.20	-0.93	0.94	0.93	-0.105	-0.012	0.074	0.073	0.101	0.047
-0.10	-0.93	0.93	0.92	-0.097	-0.011	0.078	0.077	0.095	0.051
0.00	-0.93	0.91	0.91	-0.087	-0.015	0.069	0.071	0.087	0.048
0.10	-0.93	0.93	0.92	-0.087	-0.014	0.026	0.026	0.065	0.014
0.20	-0.93	0.93	0.93	-0.077	0.003	0.062	0.062	0.071	0.048
0.30	-0.93	0.91	0.91	-0.022	-0.013	0.061	0.061	0.071	0.044
0.40	-0.93	0.91	0.90	0.003	0.005	0.065	0.065	0.061	0.04[illegible]
0.50	-0.93	0.91	0.83	0.050	0.007	0.101	0.067	0.107	0.045
0.55	-0.93	0.89	0.88	0.064	-0.006	0.054	0.055	0.037	0.04[illegible]
0.60	-0.93	0.86	0.85	0.053	-0.007	0.067	0.067	0.051	0.0[illegible]
0.65	-0.93	0.86	0.86	0.084	-0.010	0.066	0.066	0.065	0.04[illegible]

4

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	-0.93	0.85	0.82	0.084	-0.002	0.071	0.073	0.075	0.044
0.80	-0.93	0.81	0.80	0.090	-0.019	0.065	0.063	0.068	0.041
-0.80	-0.95	0.93	0.87	-0.222	0.017	0.086	0.086	0.099	0.047
-0.75	-0.95	0.87	0.88	-0.074	-0.017	0.083	0.083	0.125	0.046
-0.70	-0.95	0.90	0.89	-0.001	-0.012	0.060	0.060	0.046	0.055
-0.65	-0.95	0.91	0.88	-0.202	0.005	0.080	0.078	0.106	0.063
-0.60	-0.95	0.94	0.90	-0.216	0.006	0.089	0.088	0.095	0.049
-0.55	-0.95	0.90	0.87	-0.178	0.002	0.084	0.076	0.155	0.048
-0.50	-0.95	0.91	0.87	-0.176	0.007	0.081	0.082	0.120	0.057
-0.40	-0.95	0.93	0.90	-0.183	-0.005	0.076	0.074	0.105	0.057
-0.30	-0.95	0.93	0.90	-0.206	0.002	0.074	0.074	0.089	0.038
-0.20	-0.95	0.90	0.89	-0.131	-0.004	0.080	0.077	0.088	0.048
-0.10	-0.95	0.90	0.88	-0.157	-0.002	0.079	0.080	0.095	0.037
0.00	-0.95	0.86	0.85	-0.116	-0.019	0.080	0.082	0.082	0.047
0.10	-0.95	0.79	0.79	-0.069	-0.007	0.072	0.072	0.081	0.037
0.20	-0.95	0.91	0.91	-0.022	-0.025	0.103	0.104	0.070	0.043
0.30	-0.95	0.91	0.91	-0.001	-0.021	0.108	0.108	0.071	0.038
0.40	-0.95	0.86	0.86	0.003	-0.021	0.114	0.114	0.063	0.035
0.50	-0.95	0.86	0.85	0.076	-0.017	0.104	0.104	0.040	0.037
0.60	-0.95	0.83	0.83	0.097	-0.021	0.099	0.099	0.044	0.037
0.70	-0.95	0.79	0.78	0.069	-0.015	0.078	0.079	0.074	0.036
0.80	-0.95	0.75	0.74	0.071	-0.016	0.063	0.065	0.065	0.038
0.70	0.00	0.92	0.91	0.055	0.004	0.025	0.025	0.061	0.020
0.60	0.00	0.97	0.97	0.087	-0.001	0.027	0.026	0.069	0.020
0.50	0.00	0.95	0.94	0.102	-0.006	0.028	0.028	0.067	0.022
0.40	0.00	0.98	0.97	0.121	-0.006	0.030	0.030	0.065	0.020
0.30	0.00	0.99	0.98	0.090	-0.005	0.030	0.029	0.059	0.020
0.20	0.00	1.04	1.02	0.117	0.074	0.040	0.030	0.061	0.143
0.10	0.00	1.03	1.01	0.115	-0.004	0.034	0.034	0.056	0.020
0.00	0.00	1.05	1.04	0.118	-0.006	0.032	0.033	0.057	0.020
0.10	0.00	1.07	1.06	0.119	-0.007	0.034	0.034	0.050	0.022
-0.20	0.00	1.09	1.08	0.117	-0.009	0.034	0.034	0.047	0.020
-0.30	0.00	1.11	1.10	0.117	-0.008	0.034	0.033	0.047	0.019
-0.40	0.00	1.13	1.13	0.115	-0.010	0.032	0.032	0.039	0.022
-0.50	0.00	1.15	1.15	0.111	-0.007	0.028	0.028	0.038	0.019
-0.55	0.00	1.16	1.16	0.102	-0.010	0.032	0.032	0.034	0.019
0.60	0.00	1.17	1.17	0.097	-0.009	0.027	0.027	0.031	0.020
-0.65	0.00	1.17	1.17	0.090	-0.007	0.030	0.030	0.029	0.020
-0.70	0.00	1.20	1.20	0.088	-0.002	0.029	0.029	0.026	0.019
-0.75	0.00	1.27	1.21	0.083	-0.006	0.028	0.028	0.022	0.021
-0.80	0.00	1.22	1.22	0.072	-0.002	0.031	0.031	0.022	0.017
-0.80	0.10	1.22	1.22	0.076	-0.006	0.032	0.032	0.020	0.018
-0.75	0.10	1.21	1.21	0.078	-0.002	0.029	0.029	0.026	0.016
-0.70	0.10	1.20	1.20	0.087	-0.003	0.029	0.029	0.025	0.017
-0.65	0.10	1.19	1.18	0.092	-0.006	0.027	0.028	0.027	0.018
-0.60	0.10	1.17	1.17	0.096	-0.004	0.030	0.030	0.035	0.019
-0.55	0.10	1.16	1.16	0.101	-0.008	0.030	0.030	0.037	0.020
-0.50	0.10	1.16	1.15	0.107	-0.010	0.031	0.031	0.038	0.021
-0.40	0.10	1.13	1.13	0.109	-0.005	0.031	0.031	0.041	0.020
-0.30	0.10	1.11	1.10	0.103	-0.003	0.029	0.029	0.046	0.020
-0.20	0.10	1.09	1.08	0.111	-0.006	0.032	0.032	0.052	0.020
-0.10	0.10	1.07	1.06	0.108	-0.001	0.033	0.032	0.055	0.020
0.00	0.10	1.05	1.04	0.109	-0.001	0.031	0.031	0.059	0.020
0.10	0.10	1.03	1.02	0.107	0.002	0.030	0.029	0.066	0.020
0.20	0.10	1.01	1.00	0.082	0.004	0.027	0.025	0.066	0.018
0.30	0.10	0.98	0.97	0.098	-0.005	0.030	0.030	0.059	0.019
0.40	0.10	0.97	0.96	0.087	0.002	0.026	0.026	0.071	0.017
0.50	0.10	0.95	0.94	0.086	0.000	0.031	0.031	0.063	0.018
0.60	0.10	0.93	0.92	0.088	0.001	0.027	0.026	0.067	0.019
0.70	0.10	0.92	0.91	0.062	0.005	0.025	0.025	0.062	0.022

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
0.80	0.10	0.88	0.87	0.064	0.010	0.043	0.043	0.054	0.[illegible]
0.80	0.20	0.88	0.87	0.086	0.010	0.038	0.039	0.059	0.031
0.70	0.20	0.91	0.91	0.063	0.006	0.029	0.029	0.046	0.021
0.60	0.20	0.93	0.93	0.088	0.002	0.028	0.029	0.047	0.015
0.50	0.20	0.95	0.94	0.092	0.002	0.030	0.030	0.048	0.020
0.40	0.20	0.97	0.96	0.107	0.004	0.031	0.031	0.052	0.017
0.30	0.20	0.98	0.97	0.103	0.003	0.027	0.026	0.055	0.017
0.20	0.20	1.02	1.01	0.108	0.002	0.043	0.028	0.058	0.154
0.10	0.20	1.03	1.02	0.127	0.000	0.031	0.030	0.054	0.021
0.00	0.20	1.05	1.04	0.123	0.000	0.030	0.031	0.056	0.020
-0.10	0.20	1.06	1.06	0.117	0.002	0.030	0.030	0.048	0.019
-0.20	0.20	1.09	1.08	0.127	-0.001	0.032	0.032	0.047	0.020
-0.30	0.20	1.11	1.10	0.123	-0.001	0.033	0.033	0.044	0.023
-0.40	0.20	1.13	1.13	0.123	-0.002	0.029	0.030	0.042	0.020
-0.50	0.20	1.16	1.15	0.117	0.000	0.031	0.031	0.038	0.018
-0.55	0.20	1.17	1.16	0.111	-0.001	0.028	0.029	0.030	0.017
-0.60	0.20	1.18	1.18	0.108	-0.002	0.028	0.028	0.030	0.020
0.65	0.20	1.19	1.19	0.106	-0.002	0.029	0.027	0.030	0.020
-0.70	0.20	1.20	1.20	0.102	-0.003	0.028	0.028	0.025	0.017
-0.75	0.20	1.22	1.22	0.101	-0.004	0.025	0.025	0.024	0.016
-0.80	0.20	1.22	1.22	0.087	-0.010	0.025	0.035	0.022	0.015
-0.80	0.30	1.20	1.19	0.110	-0.009	0.039	0.039	0.024	0.019
-0.75	0.30	1.21	1.21	0.111	0.000	0.029	0.029	0.021	0.017
-0.70	0.30	1.20	1.20	0.110	0.004	0.031	0.031	0.027	0.016
-0.65	0.30	1.19	1.19	0.106	0.003	0.029	0.029	0.030	0.019
-0.60	0.30	1.18	1.17	0.110	0.004	0.030	0.030	0.030	0.017
-0.55	0.30	1.17	1.16	0.110	0.004	0.031	0.031	0.034	0.018
-0.50	0.30	1.15	1.15	0.113	0.007	0.029	0.029	0.037	0.019
-0.40	0.30	1.13	1.13	0.106	0.008	0.025	0.025	0.044	0.018
0.30	0.30	1.11	1.10	0.109	0.006	0.028	0.028	0.052	0.017
-0.20	0.30	1.08	1.08	0.119	0.008	0.029	0.028	0.055	0.018
-0.10	0.30	1.06	1.06	0.104	0.007	0.026	0.025	0.060	0.019
0.00	0.30	1.05	1.04	0.103	0.010	0.027	0.027	0.065	0.018
0.10	0.30	1.02	1.02	0.076	0.015	0.027	0.027	0.052	0.017
0.20	0.30	1.01	1.00	0.076	0.047	0.033	0.026	0.062	0.02[illegible]
0.30	0.30	0.98	0.98	0.061	0.017	0.032	0.021	0.055	0.015
0.40	0.30	0.97	0.96	0.053	0.017	0.017	0.017	0.054	0.016
0.50	0.30	0.95	0.94	0.047	0.017	0.018	0.018	0.042	0.015
0.60	0.30	0.93	0.93	0.044	0.016	0.020	0.019	0.050	0.012
0.70	0.30	0.92	0.91	0.037	0.020	0.021	0.021	0.028	0.016
0.80	0.30	0.88	0.88	0.031	0.021	0.036	0.036	0.040	0.017
0.80	0.40	0.87	0.87	0.037	0.008	0.037	0.037	0.041	0.029
0.70	0.40	0.91	0.91	0.043	0.013	0.026	0.026	0.042	0.021
0.60	0.40	0.93	0.92	0.054	0.016	0.029	0.028	0.048	0.017
0.50	0.40	0.94	0.94	0.052	0.018	0.022	0.022	0.047	0.015
0.40	0.40	0.96	0.96	0.049	0.020	0.018	0.018	0.043	0.013
0.30	0.40	0.98	0.98	0.061	0.020	0.020	0.020	0.046	0.016
0.20	0.40	1.01	1.00	0.076	0.015	0.030	0.030	0.057	0.017
0.10	0.40	1.02	1.01	0.071	0.017	0.026	0.026	0.045	0.019
0.00	0.40	1.04	1.04	0.086	0.016	0.025	0.025	0.050	0.018
-0.10	0.40	1.06	1.06	0.098	0.012	0.025	0.024	0.055	0.019
0.20	0.40	1.07	1.08	0.101	0.014	0.027	0.026	0.052	0.017
-0.30	0.40	1.11	1.11	0.105	0.014	0.025	0.024	0.050	0.017
-0.40	0.40	1.14	1.13	0.106	0.007	0.026	0.026	0.044	0.019
-0.50	0.40	1.16	1.15	0.102	0.009	0.025	0.025	0.037	0.017
-0.55	0.40	1.17	1.17	0.106	0.012	0.026	0.026	0.030	0.015
-0.60	0.40	1.18	1.18	0.099	0.017	0.025	0.025	0.032	0.017
-0.65	0.40	1.19	1.19	0.106	0.015	0.027	0.027	0.027	0.017
-0.70	0.40	1.21	1.21	0.112	0.015	0.021	0.021	0.026	0.018
-0.75	0.40	1.21	1.21	0.119	0.017	0.041	0.041	0.024	0.015

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	0.40	1.15	1.14	0.119	0.004	0.050	0.050	0.028	0.027
-0.80	0.50	1.06	1.05	0.099	0.013	0.066	0.067	0.040	0.043
-0.75	0.50	1.18	1.17	0.107	0.029	0.047	0.047	0.027	0.023
-0.70	0.50	1.22	1.22	0.097	0.030	0.030	0.030	0.025	0.017
-0.65	0.50	1.21	1.20	0.100	0.025	0.025	0.025	0.028	0.017
-0.60	0.50	1.19	1.19	0.099	0.024	0.028	0.029	0.032	0.016
-0.55	0.50	1.17	1.17	0.100	0.018	0.030	0.030	0.035	0.017
-0.50	0.50	1.16	1.16	0.101	0.015	0.029	0.029	0.035	0.018
-0.40	0.50	1.14	1.13	0.110	0.013	0.029	0.029	0.044	0.017
-0.30	0.50	1.11	1.11	0.102	0.013	0.026	0.025	0.045	0.018
-0.20	0.50	1.10	1.09	0.097	0.010	0.024	0.024	0.054	0.017
0.10	0.50	1.07	1.06	0.106	0.011	0.025	0.025	0.057	0.018
0.00	0.50	1.05	1.04	0.087	0.023	0.025	0.025	0.057	0.016
0.10	0.50	1.02	1.02	0.084	0.023	0.025	0.024	0.054	0.014
0.20	0.50	1.01	1.01	0.077	0.016	0.029	0.028	0.055	0.017
0.30	0.50	0.99	0.98	0.064	0.017	0.028	0.028	0.054	0.016
0.40	0.50	0.97	0.97	0.045	0.017	0.033	0.024	0.042	0.016
0.50	0.50	0.94	0.94	0.046	0.009	0.032	0.032	0.041	0.019
0.60	0.50	0.92	0.92	0.054	0.000	0.033	0.033	0.044	0.021
0.70	0.50	0.88	0.88	0.034	0.002	0.037	0.037	0.042	0.020
0.80	0.50	0.85	0.85	0.025	0.013	0.031	0.031	0.038	0.017
0.80	0.60	0.85	0.85	0.030	0.010	0.034	0.034	0.045	0.024
0.70	0.60	0.88	0.87	0.040	0.013	0.026	0.026	0.043	0.016
0.60	0.60	0.89	0.89	0.049	0.005	0.032	0.031	0.046	0.020
0.50	0.60	0.91	0.90	0.057	0.006	0.029	0.029	0.046	0.018
0.40	0.60	0.94	0.93	0.052	0.013	0.030	0.030	0.043	0.016
0.30	0.60	0.97	0.96	0.059	0.014	0.033	0.033	0.052	0.018
0.20	0.60	1.00	1.00	0.065	0.028	0.029	0.028	0.050	0.035
0.10	0.60	1.02	1.02	0.070	0.029	0.030	0.030	0.050	0.018
0.00	0.60	1.05	1.04	0.085	0.026	0.024	0.027	0.055	0.018
-0.10	0.60	1.07	1.07	0.073	0.019	0.022	0.022	0.038	0.017
-0.20	0.60	1.10	1.10	0.069	0.018	0.021	0.021	0.038	0.015
-0.30	0.60	1.12	1.12	0.066	0.022	0.019	0.019	0.030	0.016
-0.40	0.60	1.15	1.14	0.063	0.023	0.017	0.017	0.023	0.015
-0.50	0.60	1.17	1.17	0.065	0.029	0.019	0.019	0.024	0.015
-0.55	0.60	1.18	1.18	0.065	0.025	0.018	0.018	0.021	0.015
-0.60	0.60	1.20	1.20	0.073	0.042	0.017	0.017	0.019	0.015
-0.65	0.60	1.22	1.21	0.077	0.047	0.018	0.018	0.018	0.018
-0.70	0.60	1.22	1.22	0.081	0.048	0.027	0.027	0.020	0.019
-0.75	0.60	1.16	1.15	0.074	0.037	0.041	0.041	0.027	0.029
-0.80	0.60	1.04	1.04	0.061	0.006	0.057	0.057	0.034	0.041
-0.80	0.70	1.08	1.08	0.045	-0.005	0.042	0.042	0.035	0.031
-0.75	0.70	1.15	1.14	0.058	0.024	0.035	0.035	0.029	0.032
-0.70	0.70	1.19	1.19	0.067	0.044	0.035	0.035	0.026	0.023
-0.65	0.70	1.21	1.21	0.070	0.043	0.020	0.020	0.025	0.019
-0.60	0.70	1.20	1.19	0.069	0.038	0.019	0.019	0.025	0.016
-0.55	0.70	1.19	1.19	0.064	0.026	0.019	0.019	0.024	0.016
-0.50	0.70	1.17	1.17	0.074	0.028	0.020	0.020	0.028	0.016
-0.40	0.70	1.15	1.14	0.080	0.019	0.020	0.019	0.033	0.015
0.30	0.70	1.12	1.12	0.085	0.023	0.019	0.019	0.045	0.016
-0.20	0.70	1.09	1.09	0.073	0.019	0.021	0.020	0.043	0.017
-0.10	0.70	1.05	1.05	0.053	0.010	0.026	0.026	0.045	0.020
0.00	0.70	1.00	1.00	0.060	0.023	0.036	0.036	0.046	0.019
0.10	0.70	0.97	0.97	0.055	0.030	0.025	0.026	0.042	0.020
0.20	0.70	0.95	0.95	0.040	0.034	0.028	0.027	0.037	0.018
0.30	0.70	0.94	0.94	0.046	0.023	0.028	0.028	0.042	0.017
0.40	0.70	0.93	0.92	0.056	0.017	0.026	0.026	0.045	0.017
0.50	0.70	0.91	0.91	0.061	0.010	0.027	0.027	0.039	0.020
0.60	0.70	0.89	0.89	0.036	0.016	0.025	0.025	0.035	0.016
0.70	0.70	0.87	0.87	0.024	0.023	0.020	0.020	0.026	0.015

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'rms	u'	v'	w'
0.80	0.70	0.85	0.85	0.029	0.025	0.023	0.023	0.040	0.024
0.80	0.80	0.84	0.84	0.023	0.027	0.031	0.031	0.042	0.026
0.70	0.80	0.87	0.87	0.024	0.022	0.023	0.023	0.033	0.021
0.60	0.80	0.88	0.88	0.027	0.018	0.025	0.025	0.034	0.021
0.50	0.80	0.90	0.90	0.028	0.014	0.025	0.025	0.038	0.018
0.40	0.80	0.92	0.92	0.038	0.017	0.023	0.023	0.039	0.016
0.30	0.80	0.94	0.94	0.037	0.024	0.025	0.025	0.039	0.018
0.20	0.80	0.95	0.95	0.042	0.030	0.029	0.029	0.041	0.021
0.10	0.80	0.96	0.95	0.051	0.024	0.029	0.029	0.048	0.026
0.00	0.80	0.97	0.97	0.053	0.019	0.028	0.028	0.052	0.027
-0.10	0.80	0.99	0.99	0.052	0.013	0.032	0.032	0.050	0.028
-0.20	0.80	1.03	1.02	0.055	0.011	0.034	0.034	0.057	0.027
-0.30	0.80	1.07	1.06	0.073	0.008	0.039	0.039	0.047	0.034
-0.40	0.80	1.13	1.13	0.068	0.009	0.036	0.036	0.043	0.037
-0.50	0.80	1.16	1.16	0.066	0.012	0.031	0.031	0.039	0.035
-0.55	0.80	1.18	1.18	0.055	0.017	0.029	0.029	0.034	0.031
-0.60	0.80	1.19	1.19	0.043	0.020	0.028	0.028	0.031	0.031
-0.65	0.80	1.19	1.19	0.035	0.030	0.034	0.034	0.032	0.032
-0.70	0.80	1.17	1.17	0.018	0.024	0.035	0.035	0.034	0.029
-0.75	0.80	1.15	1.15	0.012	0.002	0.037	0.037	0.035	0.030
-0.80	0.80	1.14	1.14	-0.004	-0.030	0.040	0.040	0.040	0.035
-0.80	0.80	1.13	1.13	0.008	-0.029	0.038	0.038	0.046	0.020
-0.80	0.70	1.08	1.08	0.053	0.000	0.043	0.044	0.030	0.029
-0.80	0.60	1.03	1.02	0.060	0.009	0.059	0.058	0.047	0.042
-0.80	0.50	1.03	1.02	0.103	0.019	0.078	0.078	0.043	0.042
-0.80	0.40	1.13	1.12	0.129	0.011	0.060	0.061	0.032	0.030
-0.80	0.30	1.20	1.20	0.108	-0.002	0.026	0.026	0.032	0.022
-0.80	0.20	1.22	1.22	0.095	-0.006	0.030	0.030	0.035	0.014
-0.80	0.10	1.22	1.22	0.080	0.003	0.020	0.020	0.024	0.017
-0.80	0.00	1.22	1.22	0.075	0.006	0.023	0.023	0.040	0.013
-0.80	0.10	1.21	1.21	0.076	0.014	0.032	0.031	0.048	0.015
-0.80	-0.20	1.22	1.22	0.079	0.018	0.024	0.024	0.026	0.016
-0.80	-0.30	1.22	1.22	0.098	0.016	0.025	0.025	0.047	0.012
-0.80	-0.40	1.20	1.20	0.097	0.008	0.027	0.027	0.024	0.017
-0.80	-0.50	1.14	1.14	0.076	-0.014	0.058	0.059	0.035	0.024
-0.80	-0.60	1.11	1.11	0.075	0.017	0.054	0.053	0.034	0.027
-0.80	-0.70	1.11	1.11	0.052	-0.003	0.039	0.040	0.038	0.025
-0.80	-0.80	1.14	1.14	0.070	0.014	0.042	0.037	0.039	0.027
-0.85	0.80	1.14	1.13	-0.011	-0.095	0.078	0.077	0.067	0.046
-0.85	0.70	1.05	1.05	0.042	-0.062	0.037	0.037	0.040	0.026
-0.85	0.60	0.95	0.95	0.051	-0.042	0.037	0.040	0.042	0.043
-0.85	0.50	0.85	0.85	0.083	-0.016	0.053	0.053	0.045	0.041
-0.85	0.40	0.88	0.87	0.115	-0.036	0.071	0.071	0.047	0.048
-0.85	0.30	1.12	1.11	0.111	-0.042	0.051	0.050	0.074	0.035
-0.85	0.20	1.15	1.15	0.085	-0.024	0.038	0.038	0.025	0.028
-0.85	0.10	1.18	1.17	0.070	-0.009	0.033	0.033	0.029	0.021
-0.85	0.00	1.17	1.16	0.070	0.002	0.039	0.039	0.060	0.021
-0.85	-0.10	1.18	1.18	0.065	0.013	0.041	0.041	0.035	0.021
-0.85	-0.20	1.17	1.16	0.073	0.011	0.033	0.033	0.023	0.025
-0.85	-0.30	1.13	1.12	0.090	0.026	0.079	0.079	0.031	0.024
-0.85	-0.40	1.09	1.08	0.096	0.024	0.048	0.049	0.038	0.034
-0.85	-0.50	0.95	0.94	0.110	0.025	0.076	0.076	0.054	0.048
-0.85	-0.60	0.91	0.91	0.082	0.014	0.061	0.060	0.055	0.045
-0.85	-0.70	1.02	1.01	0.051	0.032	0.039	0.040	0.050	0.036
-0.85	-0.80	1.10	1.10	0.034	0.054	0.037	0.037	0.040	0.035
-0.90	0.80	1.08	1.06	-0.009	-0.207	0.068	0.069	0.059	0.063
-0.90	0.70	1.07	1.05	0.038	-0.201	0.058	0.060	0.050	0.054
-0.90	0.60	1.01	0.99	0.046	-0.159	0.059	0.060	0.051	0.065
-0.90	0.50	0.93	0.91	0.075	-0.144	0.054	0.054	0.053	0.059
-0.90	0.40	0.79	0.77	0.104	-0.094	0.059	0.059	0.057	0.057

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.70	0.30	0.93	0.92	0.066	-0.065	0.072	0.072	0.046	0.050
-0.90	0.20	1.04	1.03	0.070	-0.045	0.059	0.059	0.037	0.033
-0.90	0.10	1.09	1.08	0.063	-0.027	0.057	0.057	0.037	0.035
-0.90	0.00	1.11	1.11	0.054	-0.010	0.044	0.044	0.034	0.034
-0.90	-0.10	1.11	1.10	0.054	0.006	0.051	0.051	0.041	0.032
-0.90	-0.20	1.08	1.08	0.066	0.018	0.052	0.051	0.040	0.033
-0.90	-0.30	1.03	1.02	0.006	0.034	0.060	0.061	0.048	0.037
-0.90	-0.40	0.90	0.89	0.083	0.056	0.079	0.080	0.054	0.048
-0.70	-0.50	0.81	0.80	0.089	0.059	0.055	0.056	0.045	0.047
-0.70	-0.60	0.91	0.90	0.059	0.079	0.041	0.041	0.054	0.047
-0.70	-0.70	1.04	1.03	0.037	0.105	0.042	0.042	0.052	0.044
-0.90	-0.80	1.11	1.10	0.018	0.128	0.038	0.037	0.052	0.043
-0.93	0.80	1.03	1.00	0.011	-0.259	0.081	0.085	0.066	0.070
-0.93	0.70	0.81	0.77	0.022	-0.200	0.395	0.410	0.060	0.121
-0.93	0.60	0.99	0.96	0.044	-0.247	0.080	0.078	0.054	0.074
-0.93	0.50	0.95	0.91	0.085	-0.235	0.066	0.069	0.051	0.064
-0.93	0.40	0.78	0.76	0.085	-0.168	0.061	0.059	0.059	0.060
-0.93	0.30	0.81	0.80	0.054	-0.091	0.072	0.074	0.049	0.053
-0.93	0.20	0.90	0.89	0.061	-0.050	0.077	0.077	0.053	0.057
-0.93	0.10	0.96	0.96	0.051	-0.029	0.063	0.064	0.043	0.050
-0.93	0.00	0.98	0.98	0.038	-0.009	0.064	0.064	0.045	0.041
-0.93	-0.10	1.02	1.01	0.043	0.004	0.071	0.071	0.048	0.045
-0.93	-0.20	0.98	0.98	0.051	0.032	0.071	0.071	0.041	0.044
-0.93	-0.30	0.90	0.89	0.070	0.052	0.074	0.072	0.102	0.050
-0.93	-0.40	0.80	0.79	0.058	0.096	0.075	0.077	0.047	0.057
-0.93	-0.50	0.82	0.80	0.085	0.134	0.065	0.063	0.055	0.054
-0.93	-0.60	0.95	0.93	0.047	0.149	0.057	0.058	0.055	0.055
-0.93	0.70	1.02	1.00	0.049	0.173	0.075	0.074	0.059	0.052
-0.93	-0.80	1.07	1.05	0.011	0.177	0.078	0.076	0.070	0.045

Table D-5, Station 10, $\theta = 90^o$

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	0.00	0.95	0.94	0.037	0.004	0.053	0.053	0.061	0.044
0.75	0.00	0.98	0.98	0.053	0.010	0.043	0.043	0.045	0.031
0.70	0.00	1.01	1.01	0.061	0.015	0.030	0.030	0.032	0.021
0.60	0.00	1.02	1.02	0.079	0.011	0.023	0.023	0.028	0.011
0.40	0.00	1.03	1.03	0.085	0.011	0.022	0.022	0.022	0.009
0.30	0.00	0.68	0.66	0.095	0.013	0.398	0.416	0.016	0.018
0.20	0.00	1.04	1.04	0.105	0.010	0.060	0.060	0.037	0.011
0.10	0.00	1.07	1.06	0.115	0.010	0.022	0.022	0.028	0.011
0.00	0.00	1.07	1.07	0.124	0.012	0.021	0.021	0.024	0.011
-0.10	0.00	1.09	1.08	0.135	0.013	0.023	0.023	0.032	0.010
-0.20	0.00	1.11	1.10	0.147	0.016	0.022	0.022	0.023	0.012
-0.30	0.00	1.11	1.10	0.158	0.017	0.025	0.025	0.027	0.017
-0.40	0.00	1.12	1.10	0.178	0.021	0.022	0.022	0.028	0.010
-0.50	0.00	1.14	1.12	0.206	0.020	0.020	0.020	0.029	0.010
-0.55	0.00	1.14	1.12	0.217	0.020	0.027	0.027	0.036	0.011
-0.60	0.00	1.11	1.09	0.222	0.017	0.034	0.034	0.047	0.016
-0.65	0.00	1.02	1.00	0.210	0.005	0.062	0.063	0.049	0.029
-0.70	0.00	0.87	0.85	0.177	-0.012	0.065	0.067	0.051	0.052
-0.75	0.00	0.73	0.72	0.130	-0.028	0.064	0.066	0.050	0.051
-0.80	0.00	0.63	0.62	0.083	-0.021	0.059	0.060	0.052	0.045
-0.80	-0.10	0.66	0.65	0.082	0.021	0.064	0.065	0.043	0.046
-0.75	-0.10	0.76	0.75	0.128	0.009	0.070	0.071	0.042	0.049
-0.70	-0.10	0.87	0.87	0.174	-0.002	0.074	0.075	0.050	0.045
-0.65	-0.10	1.00	0.77	0.212	-0.006	0.058	0.058	0.041	0.033
-0.60	-0.10	1.10	1.07	0.224	-0.010	0.038	0.039	0.038	0.016
-0.55	-0.10	1.13	1.10	0.214	-0.004	0.025	0.025	0.040	0.011
-0.50	-0.10	1.13	1.11	0.205	-0.008	0.025	0.026	0.028	0.010
-0.40	-0.10	1.12	1.10	0.180	-0.005	0.025	0.025	0.030	0.010
-0.30	-0.10	1.07	1.08	0.161	-0.001	0.023	0.023	0.031	0.010
-0.20	-0.10	1.08	1.07	0.147	-0.001	0.024	0.024	0.023	0.009
-0.10	-0.10	1.08	1.07	0.134	0.001	0.025	0.025	0.019	0.007
0.00	-0.10	1.06	1.05	0.125	0.002	0.024	0.024	0.023	0.010
0.10	-0.10	1.06	1.05	0.118	0.007	0.025	0.025	0.019	0.010
0.20	-0.10	1.04	1.04	0.110	0.005	0.024	0.023	0.022	0.012
0.30	-0.10	1.03	1.03	0.101	0.006	0.024	0.024	0.021	0.010
0.40	-0.10	1.02	1.01	0.092	0.006	0.024	0.024	0.025	0.014
0.50	-0.10	1.01	1.01	0.078	0.004	0.025	0.024	0.018	0.013
0.60	-0.10	1.00	1.00	0.064	0.009	0.027	0.028	0.028	0.015
0.70	-0.10	0.98	0.98	0.060	0.003	0.037	0.037	0.041	0.031
0.80	-0.10	0.95	0.94	0.039	0.000	0.049	0.049	0.057	0.041
0.80	-0.20	0.94	0.94	0.027	-0.006	0.058	0.058	0.065	0.041
0.70	-0.20	0.98	0.98	0.056	-0.004	0.044	0.044	0.042	0.031
0.60	-0.20	1.01	1.01	0.073	-0.002	0.028	0.028	0.038	0.021
0.50	-0.20	1.02	1.02	0.082	0.000	0.023	0.023	0.025	0.014
0.40	-0.20	1.03	1.02	0.097	-0.003	0.026	0.026	0.031	0.013
0.30	-0.20	1.04	1.03	0.101	0.003	0.024	0.024	0.024	0.012
0.20	-0.20	1.04	1.04	0.110	0.003	0.024	0.024	0.020	0.012
0.10	-0.20	1.05	1.04	0.120	-0.001	0.024	0.025	0.024	0.011
0.00	-0.20	1.07	1.06	0.125	-0.003	0.026	0.026	0.017	0.010
-0.10	-0.20	1.08	1.07	0.133	-0.004	0.028	0.028	0.018	0.010
-0.20	-0.20	1.09	1.08	0.147	-0.010	0.028	0.028	0.020	0.011
-0.30	-0.20	1.11	1.10	0.156	-0.014	0.025	0.025	0.019	0.011
-0.40	-0.20	1.11	1.10	0.172	-0.023	0.024	0.024	0.017	0.010
-0.50	-0.20	1.12	1.11	0.198	-0.033	0.025	0.025	0.019	0.011
-0.55	-0.20	1.13	1.11	0.213	-0.041	0.025	0.026	0.024	0.011
-0.60	-0.20	1.10	1.08	0.223	-0.041	0.044	0.045	0.027	0.022
-0.65	-0.20	0.90	0.87	0.201	-0.033	0.094	0.096	0.037	0.048
-0.70	-0.20	0.71	0.68	0.167	0.003	0.076	0.075	0.054	0.059
-0.75	-0.20	0.65	0.63	0.153	0.045	0.082	0.083	0.058	0.068
-0.80	-0.20	0.59	0.56	0.124	0.064	0.093	0.096	0.060	0.064

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.30	0.84	0.80	0.225	0.074	0.090	0.092	0.067	0.066
-0.75	-0.30	0.84	0.81	0.220	0.005	0.067	0.068	0.064	0.054
-0.70	-0.30	0.79	0.76	0.185	-0.064	0.069	0.070	0.071	0.052
-0.65	-0.30	0.83	0.80	0.164	-0.056	0.095	0.097	0.055	0.050
-0.60	-0.30	1.06	1.03	0.186	-0.091	0.084	0.085	0.035	0.034
-0.55	-0.30	1.14	1.12	0.183	-0.070	0.032	0.032	0.026	0.014
-0.50	-0.30	1.13	1.11	0.176	-0.060	0.024	0.024	0.021	0.011
-0.40	-0.30	1.14	1.13	0.162	-0.037	0.025	0.025	0.023	0.010
-0.30	-0.30	1.11	1.10	0.149	-0.026	0.025	0.025	0.022	0.010
-0.20	-0.30	1.09	1.08	0.139	-0.016	0.025	0.026	0.022	0.009
-0.10	-0.30	1.09	1.08	0.128	-0.011	0.025	0.026	0.024	0.010
0.00	-0.30	1.07	1.06	0.123	-0.006	0.027	0.027	0.020	0.010
0.10	-0.30	1.05	1.05	0.113	-0.005	0.026	0.026	0.019	0.010
0.20	-0.30	1.05	1.05	0.106	-0.002	0.023	0.023	0.020	0.010
0.30	-0.30	1.04	1.03	0.099	0.002	0.023	0.023	0.020	0.009
0.40	-0.30	1.03	1.02	0.091	0.001	0.027	0.027	0.018	0.010
0.50	-0.30	1.01	1.01	0.080	-0.001	0.026	0.026	0.018	0.011
0.60	-0.30	1.00	1.00	0.072	-0.002	0.024	0.025	0.019	0.016
0.70	-0.30	0.99	0.99	0.063	-0.010	0.030	0.030	0.034	0.027
0.80	-0.30	0.96	0.96	0.014	-0.013	0.050	0.050	0.070	0.037
0.80	-0.40	0.97	0.96	0.026	-0.008	0.046	0.046	0.068	0.039
0.70	-0.40	1.00	1.00	0.054	-0.001	0.027	0.027	0.045	0.021
0.60	-0.40	1.02	1.02	0.071	-0.003	0.023	0.023	0.024	0.015
0.50	-0.40	1.02	1.02	0.083	-0.002	0.022	0.023	0.021	0.011
0.40	-0.40	1.04	1.04	0.089	0.000	0.022	0.022	0.017	0.010
0.30	-0.40	1.04	1.04	0.097	-0.001	0.021	0.021	0.020	0.011
0.20	-0.40	1.06	1.05	0.105	-0.003	0.023	0.023	0.017	0.009
0.10	-0.40	1.07	1.06	0.111	0.006	0.023	0.023	0.026	0.007
0.00	-0.40	1.08	1.07	0.117	-0.010	0.023	0.023	0.017	0.009
-0.10	-0.40	1.09	1.08	0.125	-0.018	0.023	0.023	0.019	0.010
-0.20	-0.40	1.10	1.09	0.132	-0.025	0.025	0.025	0.019	0.011
-0.30	-0.40	1.11	1.10	0.137	-0.033	0.022	0.022	0.020	0.010
-0.40	-0.40	1.13	1.12	0.142	-0.040	0.025	0.025	0.021	0.011
-0.50	-0.40	1.14	1.13	0.143	-0.072	0.024	0.024	0.021	0.012
-0.55	-0.40	1.15	1.14	0.142	-0.087	0.026	0.026	0.026	0.013
-0.60	-0.40	1.12	1.11	0.133	0.109	0.053	0.057	0.033	0.017
-0.65	-0.40	0.97	0.98	0.098	-0.121	0.106	0.107	0.054	0.050
-0.70	-0.40	0.83	0.82	0.076	-0.125	0.067	0.068	0.056	0.053
-0.75	-0.40	0.85	0.84	0.103	-0.054	0.055	0.055	0.055	0.052
-0.80	-0.40	0.86	0.84	0.122	0.053	0.060	0.060	0.056	0.048
0.80	-0.50	0.84	0.84	0.030	-0.022	0.055	0.055	0.056	0.049
0.75	-0.50	0.89	0.80	0.017	-0.072	0.074	0.075	0.046	0.054
-0.70	-0.50	0.95	0.94	0.044	-0.091	0.080	0.081	0.046	0.054
-0.65	-0.50	1.07	1.06	0.075	-0.101	0.065	0.066	0.039	0.041
-0.60	-0.50	1.15	1.15	0.101	-0.092	0.030	0.029	0.027	0.021
-0.55	-0.50	1.14	1.14	0.111	-0.079	0.025	0.025	0.022	0.012
-0.50	-0.50	1.14	1.13	0.116	-0.068	0.027	0.027	0.022	0.015
-0.40	-0.50	1.12	1.12	0.123	-0.050	0.024	0.024	0.019	0.012
-0.30	-0.50	1.11	1.10	0.124	-0.038	0.025	0.025	0.018	0.011
-0.20	-0.50	1.10	1.09	0.120	-0.028	0.027	0.026	0.020	0.010
-0.10	-0.50	1.08	1.07	0.118	-0.020	0.025	0.025	0.019	0.010
0.00	-0.50	1.07	1.06	0.117	-0.016	0.023	0.023	0.021	0.010
0.10	-0.50	1.06	1.05	0.113	-0.012	0.026	0.026	0.021	0.011
0.20	-0.50	1.05	1.04	0.105	-0.007	0.024	0.024	0.022	0.010
0.20	-0.50	0.87	0.81	0.097	-0.009	0.360	0.375	0.016	0.010
0.40	-0.50	1.03	1.03	0.091	-0.004	0.022	0.022	0.020	0.012
0.50	-0.50	1.02	1.02	0.082	-0.002	0.022	0.022	0.018	0.011
0.60	-0.50	1.01	1.01	0.074	0.001	0.024	0.024	0.025	0.017
0.70	-0.50	0.99	0.99	0.057	-0.005	0.037	0.037	0.036	0.024
0.80	-0.50	0.95	0.95	0.041	-0.007	0.055	0.056	0.057	0.037

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	-0.60	0.96	0.96	0.046	-0.019	0.054	0.054	0.050	0.039
0.70	-0.60	1.00	1.00	0.058	-0.007	0.033	0.033	0.056	0.026
0.60	-0.60	1.01	1.01	0.074	-0.002	0.025	0.025	0.036	0.020
0.50	-0.60	1.03	1.02	0.083	-0.002	0.024	0.024	0.028	0.014
0.40	-0.60	1.04	1.04	0.093	-0.003	0.024	0.024	0.026	0.012
0.30	-0.60	1.05	1.04	0.100	-0.002	0.021	0.021	0.024	0.012
0.20	-0.60	1.06	1.05	0.106	-0.005	0.022	0.022	0.023	0.010
0.10	-0.60	1.07	1.06	0.112	-0.008	0.023	0.022	0.023	0.010
0.00	-0.60	1.08	1.07	0.115	-0.012	0.023	0.023	0.021	0.010
-0.10	-0.60	1.07	1.09	0.112	-0.016	0.020	0.020	0.022	0.011
-0.20	-0.60	1.10	1.10	0.114	-0.023	0.022	0.022	0.023	0.011
-0.30	-0.60	1.12	1.11	0.113	-0.031	0.020	0.020	0.022	0.010
-0.40	-0.60	1.13	1.12	0.111	-0.041	0.020	0.021	0.019	0.010
-0.50	-0.60	1.15	1.14	0.098	-0.056	0.022	0.022	0.022	0.010
-0.55	-0.60	1.15	1.14	0.092	-0.063	0.023	0.023	0.022	0.011
-0.60	-0.60	1.16	1.15	0.084	-0.069	0.024	0.024	0.023	0.013
-0.65	-0.60	1.14	1.13	0.074	-0.071	0.036	0.036	0.027	0.022
-0.70	-0.60	1.03	1.02	0.055	-0.062	0.067	0.067	0.035	0.040
-0.75	-0.60	0.94	0.94	0.039	-0.046	0.062	0.063	0.044	0.044
-0.80	-0.60	0.91	0.90	0.032	-0.026	0.052	0.053	0.052	0.046
-0.80	-0.70	1.01	1.01	0.024	-0.021	0.046	0.046	0.043	0.037
-0.75	-0.70	1.04	1.04	0.039	-0.030	0.046	0.046	0.033	0.031
-0.70	-0.70	1.09	1.08	0.050	-0.039	0.047	0.047	0.026	0.027
-0.65	-0.70	1.15	1.15	0.061	-0.051	0.030	0.030	0.024	0.017
-0.60	-0.70	1.15	1.15	0.074	-0.053	0.026	0.026	0.022	0.013
-0.55	-0.70	1.15	1.15	0.087	-0.047	0.025	0.025	0.019	0.013
-0.50	-0.70	1.14	1.13	0.090	-0.045	0.025	0.025	0.021	0.012
-0.40	-0.70	1.12	1.12	0.102	-0.035	0.024	0.024	0.021	0.012
0.30	-0.70	1.11	1.10	0.106	-0.029	0.027	0.027	0.021	0.013
-0.20	-0.70	1.09	1.08	0.114	-0.023	0.025	0.025	0.020	0.013
-0.10	-0.70	1.09	1.08	0.113	-0.017	0.022	0.022	0.023	0.012
0.00	-0.70	1.06	1.06	0.113	-0.015	0.025	0.025	0.025	0.012
0.10	-0.70	1.06	1.05	0.108	-0.010	0.024	0.024	0.020	0.011
0.20	-0.70	1.05	1.04	0.106	-0.008	0.021	0.021	0.024	0.012
0.30	-0.70	1.03	1.03	0.102	-0.009	0.026	0.026	0.026	0.013
0.40	-0.70	1.02	1.02	0.098	-0.005	0.021	0.022	0.034	0.014
0.50	-0.70	1.02	1.01	0.085	-0.006	0.023	0.023	0.030	0.014
0.60	-0.70	1.00	1.00	0.082	-0.010	0.027	0.027	0.047	0.017
0.70	-0.70	0.99	0.98	0.024	-0.010	0.043	0.041	0.121	0.031
0.80	-0.70	0.96	0.96	0.026	-0.023	0.047	0.047	0.081	0.041
0.80	-0.80	0.94	0.94	0.030	-0.025	0.054	0.054	0.075	0.039
0.70	-0.80	0.99	0.98	0.037	-0.015	0.038	0.035	0.123	0.030
0.60	0.80	1.00	1.00	0.051	-0.010	0.037	0.034	0.077	0.025
0.50	-0.80	1.01	1.00	0.088	-0.012	0.026	0.026	0.030	0.014
0.40	0.80	1.02	1.01	0.078	-0.005	0.025	0.025	0.028	0.015
0.30	-0.80	1.04	1.03	0.102	-0.005	0.027	0.027	0.023	0.013
0.20	-0.80	1.05	1.04	0.104	0.011	0.027	0.027	0.024	0.014
0.10	-0.80	1.05	1.04	0.109	-0.010	0.027	0.027	0.027	0.015
0.00	-0.80	1.07	1.06	0.108	-0.014	0.028	0.028	0.030	0.013
0.10	-0.80	1.08	1.07	0.110	-0.015	0.031	0.031	0.026	0.013
-0.20	0.80	1.10	1.09	0.108	-0.020	0.031	0.031	0.029	0.020
-0.30	-0.80	1.10	1.10	0.107	-0.028	0.030	0.031	0.029	0.027
-0.40	-0.80	1.11	1.11	0.093	-0.030	0.030	0.030	0.028	0.026
-0.50	-0.80	1.12	1.12	0.082	-0.037	0.032	0.032	0.029	0.024
-0.55	-0.80	1.14	1.13	0.073	-0.037	0.032	0.032	0.026	0.025
0.60	-0.80	1.14	1.14	0.063	-0.039	0.030	0.030	0.025	0.024
-0.65	-0.80	1.14	1.13	0.045	-0.041	0.034	0.034	0.032	0.027
-0.70	-0.80	1.10	1.10	0.038	-0.031	0.041	0.041	0.030	0.027
0.75	-0.80	1.07	1.07	0.028	-0.024	0.045	0.045	0.027	0.031
-0.80	-0.80	1.07	1.06	0.017	-0.010	0.054	0.054	0.041	0.035

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	-0.85	1.19	1.18	-0.015	-0.013	0.062	0.062	0.063	0.046
-0.75	-0.85	1.18	1.18	0.000	-0.014	0.062	0.062	0.053	0.045
-0.70	-0.85	1.16	1.16	0.012	-0.017	0.056	0.057	0.055	0.044
-0.65	-0.85	1.16	1.15	0.017	-0.019	0.062	0.062	0.056	0.036
-0.60	-0.85	1.15	1.15	0.035	-0.019	0.050	0.050	0.052	0.035
-0.55	-0.85	1.14	1.14	0.034	-0.021	0.047	0.047	0.059	0.038
0.50	-0.85	1.13	1.13	0.044	-0.015	0.045	0.045	0.052	0.036
-0.40	-0.85	1.13	1.12	0.075	-0.020	0.045	0.045	0.046	0.030
-0.30	-0.85	1.10	1.10	0.080	-0.015	0.040	0.040	0.054	0.031
-0.20	-0.85	1.09	1.08	0.089	-0.011	0.037	0.037	0.050	0.028
-0.10	-0.85	1.07	1.07	0.098	-0.006	0.034	0.034	0.050	0.024
0.00	-0.85	1.08	1.07	0.105	0.000	0.037	0.037	0.046	0.026
0.10	-0.85	1.05	1.05	0.115	0.000	0.033	0.033	0.044	0.027
0.20	-0.85	1.04	1.03	0.108	0.005	0.031	0.031	0.050	0.022
0.30	0.85	1.03	1.02	0.109	-0.004	0.037	0.037	0.050	0.021
0.40	-0.85	1.01	1.01	0.118	-0.005	0.034	0.034	0.048	0.025
0.50	-0.85	0.99	0.98	0.116	-0.008	0.043	0.044	0.048	0.026
0.60	-0.85	0.96	0.95	0.111	-0.011	0.047	0.047	0.038	0.029
0.70	-0.85	0.94	0.93	0.114	-0.025	0.054	0.054	0.043	0.028
0.80	-0.85	0.92	0.92	0.095	-0.029	0.050	0.050	0.044	0.037
-0.80	-0.90	1.14	1.13	0.007	-0.009	0.073	0.074	0.046	0.048
-0.75	-0.90	1.13	1.12	0.019	-0.012	0.075	0.076	0.044	0.053
-0.70	-0.90	1.11	1.11	0.033	-0.022	0.069	0.069	0.040	0.047
-0.65	-0.90	1.12	1.12	0.038	-0.022	0.071	0.071	0.046	0.048
-0.60	-0.90	1.11	1.10	0.051	-0.022	0.073	0.074	0.043	0.048
-0.55	-0.90	1.09	1.09	0.061	-0.020	0.071	0.071	0.042	0.037
-0.50	-0.90	1.09	1.09	0.066	-0.016	0.068	0.068	0.040	0.045
-0.40	-0.90	1.09	1.08	0.083	-0.015	0.064	0.064	0.043	0.047
-0.30	-0.90	1.07	1.06	0.095	-0.012	0.054	0.055	0.041	0.035
-0.20	-0.90	1.07	1.06	0.102	-0.018	0.053	0.053	0.050	0.036
-0.10	-0.90	1.06	1.06	0.112	-0.014	0.049	0.049	0.053	0.035
0.00	-0.90	1.05	1.04	0.115	-0.009	0.047	0.047	0.042	0.034
0.10	-0.90	1.03	1.03	0.11[illegible]	-0.009	0.047	0.047	0.041	0.031
0.20	-0.90	1.03	1.02	0.111	-0.004	0.042	0.042	0.041	0.037
0.30	0.90	1.01	1.00	0.113	0.003	0.051	0.051	0.043	0.028
0.40	-0.90	1.00	0.99	0.105	-0.001	0.044	0.044	0.040	0.033
0.50	0.90	0.97	0.96	0.115	-0.010	0.048	0.048	0.044	0.027
0.60	-0.90	0.96	0.96	0.112	-0.012	0.048	0.048	0.038	0.027
0.70	-0.90	0.91	0.90	0.092	-0.018	0.056	0.055	0.047	0.031
0.80	-0.90	0.89	0.89	0.091	-0.027	0.054	0.055	0.059	0.035
-0.80	-0.93	1.09	1.08	-0.015	-0.012	0.081	0.081	0.060	0.044
-0.75	-0.93	1.08	1.08	0.001	-0.017	0.076	0.075	0.057	0.047
-0.70	-0.93	1.07	1.07	0.005	-0.019	0.074	0.074	0.057	0.047
-0.65	-0.93	1.09	1.08	0.029	-0.025	0.071	0.071	0.054	0.046
-0.60	-0.93	1.07	1.06	0.039	-0.015	0.082	0.082	0.053	0.049
-0.55	-0.93	1.07	1.07	0.042	-0.021	0.073	0.073	0.053	0.046
-0.50	-0.93	1.06	1.05	0.042	-0.014	0.071	0.071	0.058	0.043
-0.40	-0.93	1.05	1.05	0.066	-0.018	0.067	0.067	0.050	0.040
-0.30	-0.93	1.05	1.05	0.076	-0.015	0.062	0.062	0.051	0.039
0.20	-0.93	1.03	1.03	0.092	-0.012	0.066	0.066	0.045	0.040
0.10	-0.93	1.03	1.03	0.100	-0.015	0.060	0.060	0.050	0.034
0.00	-0.93	1.00	1.00	0.102	-0.015	0.069	0.069	0.045	0.033
0.10	-0.93	1.00	0.99	0.108	-0.010	0.052	0.053	0.042	0.029
0.20	-0.93	1.01	1.00	0.110	-0.001	0.056	0.057	0.043	0.029
0.30	-0.93	1.00	0.99	0.105	-0.011	0.053	0.053	0.039	0.027
0.40	-0.93	0.98	0.97	0.109	-0.003	0.051	0.052	0.040	0.025
0.50	-0.93	0.95	0.95	0.101	-0.001	0.060	0.060	0.043	0.027
0.55	-0.93	0.95	0.95	0.103	-0.005	0.061	0.061	0.042	0.027
0.60	-0.93	0.93	0.93	0.099	-0.004	0.057	0.057	0.048	0.027
0.65	-0.93	0.92	0.92	0.106	-0.007	0.058	0.058	0.040	0.027

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	0.93	0.92	0.91	0.099	-0.020	0.057	0.058	0.044	0.033
0.80	-0.95	0.89	0.88	0.090	-0.024	0.057	0.058	0.050	0.036
-0.80	-0.95	1.05	1.05	-0.054	-0.017	0.094	0.094	0.064	0.047
-0.75	-0.75	1.03	1.03	-0.031	-0.008	0.085	0.085	0.063	0.047
-0.70	-0.95	1.03	1.03	-0.011	-0.017	0.076	0.076	0.068	0.040
-0.65	-0.95	1.03	1.03	-0.006	-0.013	0.079	0.080	0.070	0.041
-0.60	-0.95	1.02	1.02	0.001	-0.014	0.080	0.080	0.062	0.039
-0.55	-0.95	1.03	1.02	0.020	-0.010	0.076	0.076	0.063	0.041
-0.50	-0.95	1.01	1.01	0.014	-0.011	0.079	0.079	0.071	0.041
-0.40	-0.95	1.02	1.01	0.045	-0.009	0.074	0.074	0.061	0.042
-0.30	-0.95	0.99	0.99	0.053	-0.008	0.073	0.073	0.066	0.038
-0.20	-0.95	0.99	0.99	0.067	-0.013	0.076	0.076	0.062	0.040
-0.10	-0.95	0.97	0.97	0.067	-0.016	0.064	0.064	0.055	0.036
0.00	-0.75	0.97	0.96	0.082	-0.010	0.071	0.071	0.053	0.037
0.10	-0.95	0.95	0.95	0.083	-0.005	0.070	0.071	0.056	0.038
0.20	-0.95	0.94	0.94	0.085	0.004	0.077	0.078	0.059	0.031
0.30	-0.95	0.92	0.92	0.091	-0.012	0.065	0.065	0.053	0.031
0.40	-0.95	0.93	0.92	0.089	-0.017	0.071	0.072	0.056	0.028
0.50	-0.95	0.91	0.91	0.089	-0.008	0.070	0.070	0.044	0.030
0.60	-0.95	0.91	0.91	0.089	0.000	0.067	0.064	0.048	0.020
0.70	0.95	0.90	0.89	0.091	-0.013	0.064	0.064	0.050	0.031
0.80	-0.75	0.87	0.86	0.092	-0.024	0.059	0.059	0.049	0.032
0.70	0.00	0.99	0.99	0.054	0.010	0.044	0.044	0.040	0.027
0.60	0.00	1.01	1.01	0.068	0.013	0.027	0.027	0.025	0.019
0.50	0.00	1.02	1.02	0.080	0.013	0.021	0.021	0.023	0.012
0.40	0.00	1.04	1.03	0.091	0.013	0.022	0.022	0.023	0.011
0.30	0.00	1.05	1.04	0.103	0.013	0.022	0.022	0.017	0.010
0.20	0.00	1.05	1.05	0.114	0.011	0.024	0.024	0.023	0.012
0.10	0.00	1.07	1.06	0.123	0.011	0.023	0.023	0.024	0.012
0.00	0.00	1.08	1.07	0.134	0.014	0.023	0.023	0.027	0.011
-0.10	0.00	1.09	1.08	0.140	0.017	0.025	0.022	0.025	0.011
-0.20	0.00	1.10	1.09	0.154	0.014	0.023	0.023	0.021	0.010
-0.30	0.00	1.10	1.09	0.166	0.015	0.024	0.024	0.024	0.011
-0.40	0.00	1.12	1.11	0.188	0.015	0.025	0.025	0.031	0.017
-0.50	0.00	1.13	1.11	0.213	0.021	0.025	0.026	0.027	0.013
-0.55	0.00	1.14	1.12	0.226	0.022	0.024	0.025	0.037	0.011
-0.60	0.00	1.12	1.09	0.235	0.018	0.037	0.037	0.037	0.020
-0.65	0.00	0.99	0.97	0.223	0.001	0.055	0.057	0.029	0.037
-0.70	0.00	0.84	0.82	0.181	-0.012	0.063	0.065	0.043	0.048
-0.75	0.00	0.73	0.71	0.173	-0.027	0.060	0.060	0.042	0.053
-0.80	0.00	0.62	0.61	0.087	-0.022	0.059	0.059	0.038	0.043
-0.90	0.10	0.63	0.61	0.104	-0.078	0.092	0.092	0.068	0.060
-0.75	0.10	0.70	0.67	0.152	-0.067	0.074	0.076	0.062	0.066
-0.70	0.10	0.76	0.74	0.175	-0.050	0.072	0.076	0.053	0.062
-0.65	0.10	0.89	0.87	0.206	0.000	0.077	0.078	0.049	0.058
-0.60	0.10	1.07	1.04	0.235	0.038	0.045	0.047	0.031	0.032
0.55	0.10	1.14	1.11	0.221	0.057	0.029	0.029	0.036	0.015
-0.50	0.10	1.13	1.11	0.205	0.055	0.023	0.023	0.029	0.011
-0.40	0.10	1.12	1.11	0.101	0.040	0.025	0.026	0.021	0.011
-0.30	0.10	1.11	1.09	0.164	0.032	0.022	0.022	0.024	0.011
-0.20	0.10	1.09	1.08	0.150	0.021	0.024	0.024	0.026	0.010
-0.10	0.10	1.08	1.07	0.140	0.018	0.023	0.023	0.022	0.010
0.00	0.10	1.07	1.06	0.130	0.016	0.025	0.025	0.023	0.009
0.10	0.10	1.07	1.07	0.121	0.018	0.023	0.023	0.023	0.011
0.20	0.10	1.05	1.05	0.115	0.014	0.024	0.024	0.023	0.013
0.30	0.10	1.05	1.04	0.101	0.013	0.024	0.024	0.027	0.012
0.40	0.10	1.03	1.03	0.096	0.016	0.022	0.022	0.025	0.011
0.50	0.10	1.02	1.01	0.081	0.017	0.022	0.022	0.025	0.013
0.60	0.10	1.01	1.00	0.074	0.019	0.022	0.022	0.025	0.016
0.70	0.10	0.99	0.99	0.066	0.017	0.031	0.031	0.038	0.027

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
0.80	0.10	0.96	0.96	0.067	0.007	0.047	0.047	0.068	0.035
0.80	0.20	0.97	0.96	0.058	0.008	0.044	0.044	0.043	0.034
0.70	0.20	1.00	1.00	0.066	0.017	0.027	0.027	0.032	0.019
0.60	0.20	1.01	1.01	0.077	0.018	0.024	0.025	0.030	0.014
0.50	0.20	1.03	1.02	0.084	0.018	0.022	0.023	0.023	0.012
0.40	0.20	1.04	1.03	0.092	0.018	0.022	0.022	0.024	0.011
0.30	0.20	1.05	1.04	0.104	0.020	0.022	0.022	0.019	0.011
0.20	0.20	1.05	1.05	0.114	0.020	0.026	0.026	0.024	0.010
0.10	0.20	1.06	1.05	0.119	0.020	0.021	0.021	0.021	0.010
0.00	0.20	1.07	1.06	0.129	0.022	0.022	0.022	0.023	0.012
-0.10	0.20	1.08	1.07	0.137	0.027	0.025	0.024	0.024	0.011
-0.20	0.20	1.10	1.09	0.147	0.033	0.025	0.025	0.021	0.012
-0.30	0.20	1.11	1.10	0.154	0.043	0.025	0.025	0.025	0.011
-0.40	0.20	1.12	1.11	0.167	0.063	0.025	0.025	0.024	0.012
-0.50	0.20	1.14	1.12	0.188	0.094	0.024	0.025	0.023	0.012
-0.55	0.20	1.13	1.10	0.205	0.105	0.040	0.041	0.029	0.027
-0.60	0.20	0.92	0.89	0.194	0.078	0.102	0.106	0.045	0.056
-0.65	0.20	0.77	0.74	0.179	0.073	0.072	0.073	0.065	0.055
-0.70	0.20	0.81	0.78	0.213	0.007	0.068	0.071	0.069	0.059
-0.75	0.20	0.84	0.79	0.251	-0.075	0.085	0.084	0.072	0.062
-0.80	0.20	0.76	0.70	0.249	-0.111	0.110	0.117	0.067	0.076
-0.80	0.30	0.90	0.88	0.165	-0.107	0.066	0.067	0.052	0.052
-0.75	0.30	0.88	0.87	0.154	-0.074	0.059	0.060	0.054	0.057
-0.70	0.30	0.85	0.84	0.118	0.057	0.057	0.058	0.060	0.053
-0.65	0.30	0.79	0.77	0.099	0.126	0.062	0.062	0.059	0.051
0.60	0.30	0.71	0.69	0.134	0.126	0.078	0.100	0.054	0.055
-0.55	0.30	1.12	1.10	0.155	0.132	0.048	0.048	0.029	0.028
-0.50	0.30	1.14	1.12	0.150	0.114	0.024	0.024	0.020	0.014
-0.40	0.30	1.14	1.13	0.147	0.073	0.024	0.024	0.016	0.012
-0.30	0.30	1.12	1.11	0.138	0.053	0.021	0.021	0.018	0.011
-0.20	0.30	1.10	1.09	0.129	0.043	0.021	0.021	0.019	0.012
-0.10	0.30	1.10	1.08	0.129	0.035	0.021	0.021	0.017	0.011
0.00	0.30	1.08	1.07	0.124	0.028	0.022	0.022	0.019	0.011
0.10	0.30	1.07	1.06	0.114	0.026	0.020	0.020	0.019	0.010
0.20	0.30	1.06	1.05	0.107	0.022	0.021	0.022	0.018	0.012
0.30	0.30	1.04	1.04	0.100	0.020	0.021	0.021	0.021	0.014
0.40	0.30	1.03	1.03	0.093	0.021	0.020	0.020	0.021	0.011
0.50	0.30	1.03	1.02	0.082	0.023	0.020	0.020	0.018	0.012
0.60	0.30	1.02	1.01	0.069	0.019	0.021	0.021	0.02.	0.015
0.70	0.30	1.00	1.00	0.061	0.014	0.025	0.025	0.030	0.024
0.80	0.30	0.97	0.96	0.077	0.007	0.054	0.054	0.054	0.038
0.80	0.40	0.95	0.95	0.042	0.007	0.049	0.047	0.045	0.036
0.70	0.40	0.99	0.99	0.060	0.025	0.026	0.026	0.025	0.024
0.60	0.40	1.01	1.01	0.067	0.024	0.023	0.023	0.018	0.012
0.50	0.40	1.0.	1.02	0.074	0.027	0.024	0.024	0.026	0.017
0.40	0.40	1.04	1.03	0.087	0.026	0.019	0.019	0.021	0.011
0.30	0.40	1.04	1.04	0.097	0.022	0.021	0.021	0.021	0.015
0.20	0.40	1.05	1.04	0.106	0.026	0.023	0.023	0.020	0.014
0.10	0.40	1.07	1.06	0.112	0.029	0.019	0.019	0.019	0.011
0.00	0.40	1.08	1.07	0.113	0.032	0.019	0.019	0.017	0.012
-0.10	0.40	1.09	1.07	0.121	0.037	0.023	0.023	0.017	0.011
-0.20	0.40	1.10	1.09	0.123	0.045	0.022	0.022	0.017	0.012
-0.30	0.40	1.12	1.11	0.123	0.056	0.021	0.021	0.014	0.012
-0.40	0.40	1.13	1.12	0.121	0.074	0.021	0.021	0.014	0.012
-0.50	0.40	1.13	1.12	0.113	0.108	0.022	0.022	0.016	0.012
-0.55	0.40	1.15	1.13	0.106	0.125	0.026	0.026	0.019	0.016
-0.60	0.40	1.12	1.10	0.085	0.127	0.069	0.069	0.034	0.042
-0.65	0.40	0.77	0.76	0.042	0.116	0.104	0.105	0.051	0.059
-0.70	0.40	0.85	0.84	-0.001	0.103	0.065	0.066	0.048	0.061
-0.75	0.40	0.85	0.85	-0.014	0.026	0.054	0.054	0.049	0.057

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	0.40	0.84	0.83	0.013	-0.089	0.056	0.056	0.056	0.049
-0.80	0.50	0.89	0.88	0.011	-0.013	0.064	0.064	0.054	0.052
-0.75	0.50	0.92	0.92	0.010	0.031	0.073	0.073	0.046	0.056
-0.70	0.50	0.99	0.98	0.025	0.054	0.072	0.072	0.043	0.050
-0.65	0.50	1.09	1.08	0.048	0.081	0.064	0.065	0.026	0.042
-0.60	0.50	1.16	1.15	0.068	0.101	0.030	0.030	0.020	0.019
-0.55	0.50	1.15	1.14	0.082	0.098	0.023	0.023	0.016	0.012
-0.50	0.50	1.14	1.13	0.092	0.091	0.022	0.022	0.014	0.011
-0.40	0.50	1.12	1.12	0.104	0.068	0.022	0.022	0.015	0.011
-0.30	0.50	1.11	1.10	0.110	0.056	0.020	0.020	0.015	0.011
-0.20	0.50	1.09	1.09	0.114	0.041	0.022	0.022	0.017	0.012
-0.10	0.50	1.08	1.07	0.115	0.036	0.021	0.021	0.016	0.012
0.00	0.50	1.07	1.07	0.117	0.025	0.021	0.021	0.019	0.013
0.10	0.50	1.06	1.05	0.114	0.029	0.020	0.020	0.021	0.013
0.20	0.50	1.05	1.04	0.106	0.032	0.023	0.024	0.023	0.013
0.30	0.50	1.04	1.03	0.096	0.028	0.020	0.020	0.020	0.014
0.40	0.50	1.02	1.02	0.089	0.022	0.031	0.031	0.025	0.013
0.50	0.50	1.01	1.00	0.075	0.021	0.031	0.031	0.023	0.016
0.60	0.50	0.97	0.96	0.067	0.015	0.035	0.035	0.029	0.020
0.70	0.50	0.94	0.93	0.057	0.016	0.027	0.027	0.037	0.023
0.80	0.50	0.92	0.92	0.050	0.008	0.045	0.045	0.046	0.031
0.80	0.60	0.94	0.93	0.048	0.018	0.035	0.035	0.046	0.032
0.70	0.60	0.95	0.95	0.056	0.019	0.028	0.028	0.039	0.024
0.60	0.60	0.97	0.97	0.069	0.021	0.023	0.023	0.027	0.017
0.50	0.60	0.97	0.97	0.077	0.022	0.024	0.024	0.020	0.016
0.40	0.60	0.97	0.96	0.085	0.024	0.026	0.027	0.025	0.018
0.30	0.60	1.00	0.99	0.094	0.026	0.038	0.038	0.023	0.017
0.20	0.60	1.03	1.02	0.103	0.037	0.030	0.030	0.020	0.014
0.10	0.60	1.06	1.05	0.117	0.032	0.028	0.027	0.022	0.015
0.00	0.60	1.08	1.06	0.120	0.019	0.022	0.022	0.023	0.014
-0.10	0.60	1.07	1.09	0.116	0.030	0.025	0.025	0.022	0.013
-0.20	0.60	1.10	1.10	0.107	0.040	0.022	0.022	0.019	0.013
-0.30	0.60	1.11	1.11	0.100	0.049	0.022	0.022	0.019	0.013
-0.40	0.60	1.12	1.12	0.091	0.060	0.021	0.022	0.015	0.011
-0.50	0.60	1.14	1.13	0.079	0.074	0.021	0.021	0.016	0.011
-0.55	0.60	1.15	1.15	0.074	0.082	0.022	0.022	0.016	0.013
-0.60	0.60	1.16	1.15	0.062	0.081	0.024	0.024	0.017	0.014
-0.65	0.60	1.12	1.11	0.052	0.069	0.043	0.043	0.020	0.025
0.70	0.60	1.04	1.04	0.043	0.048	0.058	0.058	0.028	0.037
-0.75	0.60	0.96	0.95	0.028	0.017	0.059	0.059	0.036	0.044
-0.80	0.60	0.94	0.94	0.019	-0.015	0.056	0.056	0.050	0.052
-0.80	0.70	1.02	1.01	0.020	0.007	0.045	0.045	0.039	0.041
-0.75	0.70	1.03	1.03	0.029	0.025	0.047	0.048	0.031	0.031
-0.70	0.70	1.09	1.08	0.037	0.043	0.047	0.047	0.023	0.025
-0.65	0.70	1.14	1.14	0.043	0.059	0.034	0.034	0.021	0.023
-0.60	0.70	1.16	1.15	0.054	0.069	0.023	0.024	0.016	0.014
-0.55	0.70	1.15	1.15	0.062	0.063	0.021	0.021	0.016	0.016
-0.50	0.70	1.14	1.13	0.069	0.058	0.023	0.023	0.015	0.012
-0.40	0.70	1.12	1.12	0.083	0.048	0.022	0.022	0.015	0.013
-0.30	0.70	1.11	1.10	0.092	0.041	0.021	0.021	0.018	0.014
-0.20	0.70	1.09	1.09	0.098	0.036	0.021	0.021	0.018	0.012
-0.10	0.70	1.07	1.06	0.106	0.021	0.029	0.030	0.021	0.013
0.00	0.70	1.07	1.01	0.102	0.013	0.030	0.030	0.024	0.016
0.10	0.70	0.99	0.98	0.096	0.013	0.025	0.025	0.025	0.017
0.20	0.70	0.98	0.97	0.095	0.035	0.022	0.022	0.024	0.015
0.30	0.70	0.98	0.98	0.090	0.036	0.025	0.025	0.022	0.013
0.40	0.70	0.98	0.97	0.083	0.029	0.023	0.023	0.021	0.013
0.50	0.70	0.97	0.97	0.075	0.024	0.026	0.026	0.025	0.014
0.60	0.70	0.96	0.95	0.068	0.021	0.027	0.024	0.027	0.018
0.70	0.70	0.91	0.91	0.058	0.018	0.031	0.031	0.038	0.025

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	0.70	0.89	0.89	0.043	0.017	0.040	0.040	0.043	0.030
0.80	0.80	0.88	0.88	0.042	0.023	0.045	0.046	0.049	0.036
0.70	0.80	0.91	0.91	0.048	0.020	0.030	0.030	0.041	0.028
0.60	0.80	0.93	0.93	0.063	0.017	0.025	0.025	0.029	0.027
0.50	0.80	0.94	0.93	0.071	0.019	0.021	0.021	0.025	0.022
0.40	0.80	0.94	0.94	0.076	0.023	0.022	0.022	0.020	0.019
0.30	0.80	0.95	0.95	0.075	0.029	0.022	0.022	0.020	0.015
0.20	0.80	0.96	0.95	0.070	0.031	0.023	0.024	0.020	0.017
0.10	0.80	0.96	0.96	0.064	0.021	0.026	0.026	0.024	0.021
0.00	0.80	0.97	0.96	0.070	0.013	0.027	0.027	0.027	0.022
-0.10	0.80	0.98	0.98	0.081	0.015	0.028	0.028	0.030	0.021
-0.20	0.80	1.00	0.99	0.083	0.024	0.022	0.022	0.025	0.023
-0.30	0.80	1.01	1.01	0.081	0.027	0.025	0.026	0.022	0.026
-0.40	0.80	1.07	1.09	0.072	0.033	0.032	0.032	0.024	0.029
-0.50	0.80	1.10	1.10	0.061	0.039	0.029	0.029	0.022	0.031
-0.55	0.80	1.10	1.10	0.051	0.040	0.029	0.029	0.022	0.029
-0.60	0.80	1.12	1.11	0.042	0.046	0.028	0.028	0.021	0.028
-0.65	0.80	1.11	1.10	0.031	0.037	0.036	0.036	0.025	0.032
-0.70	0.80	1.07	1.07	0.018	0.028	0.040	0.040	0.026	0.035
-0.75	0.80	1.05	1.05	0.007	0.013	0.043	0.043	0.034	0.033
-0.80	0.80	1.06	1.06	0.000	-0.016	0.047	0.047	0.039	0.041
-0.85	0.80	1.12	1.12	-0.015	-0.067	0.056	0.056	0.042	0.057
-0.85	0.70	1.07	1.06	0.021	-0.079	0.059	0.059	0.047	0.061
-0.85	0.60	1.01	1.00	0.028	-0.079	0.069	0.068	0.051	0.068
-0.85	0.50	0.95	0.94	0.035	-0.096	0.077	0.076	0.064	0.071
-0.85	0.40	0.90	0.88	0.050	-0.142	0.067	0.067	0.066	0.061
-0.85	0.30	0.94	0.90	0.171	-0.176	0.083	0.084	0.056	0.058
-0.85	0.20	0.66	0.61	0.198	-0.110	0.135	0.138	0.078	0.093
-0.85	0.10	0.59	0.58	0.065	-0.076	0.067	0.069	0.051	0.067
-0.85	0.00	0.55	0.54	0.055	-0.020	0.053	0.054	0.033	0.047
-0.85	-0.10	0.57	0.57	0.056	0.029	0.064	0.064	0.030	0.042
-0.85	-0.20	0.52	0.50	0.075	0.064	0.091	0.065	0.049	0.073
-0.85	-0.30	0.72	0.69	0.162	0.077	0.124	0.129	0.072	0.098
-0.85	-0.40	0.93	0.91	0.144	0.123	0.076	0.076	0.062	0.053
-0.85	-0.50	0.97	0.91	0.046	0.060	0.070	0.070	0.055	0.056
-0.85	-0.60	0.98	0.98	0.073	0.037	0.067	0.067	0.050	0.053
-0.85	-0.70	1.07	1.06	0.023	0.031	0.054	0.054	0.045	0.051
-0.85	-0.80	1.12	1.11	0.011	0.028	0.061	0.062	0.038	0.046
0.90	0.80	1.09	1.08	-0.007	-0.162	0.082	0.084	0.052	0.055
-0.90	0.70	1.05	1.03	0.026	-0.199	0.080	0.080	0.045	0.070
-0.90	0.60	1.05	1.03	0.038	-0.175	0.074	0.075	0.053	0.070
-0.90	0.50	1.01	0.98	0.044	-0.227	0.082	0.087	0.057	0.088
-0.90	0.40	0.97	0.94	0.068	-0.217	0.083	0.084	0.058	0.071
-0.90	0.30	0.89	0.84	0.156	-0.227	0.103	0.105	0.062	0.079
-0.90	0.20	0.48	0.44	0.130	-0.081	0.114	0.113	0.070	0.093
-0.90	0.10	0.55	0.55	0.041	-0.010	0.055	0.055	0.041	0.042
-0.90	0.00	0.45	0.45	0.027	-0.024	0.067	0.066	0.041	0.049
-0.90	-0.10	0.43	0.43	0.026	0.005	0.080	0.081	0.034	0.048
-0.90	-0.20	0.48	0.47	0.034	0.011	0.077	0.080	0.039	0.051
-0.90	-0.30	0.54	0.50	0.116	0.077	0.147	0.151	0.075	0.111
-0.90	-0.40	0.87	0.84	0.147	0.163	0.089	0.091	0.059	0.064
-0.90	-0.50	0.95	0.93	0.072	0.147	0.094	0.093	0.055	0.063
-0.90	0.60	1.01	1.00	0.044	0.125	0.087	0.087	0.055	0.063
-0.90	-0.70	1.06	1.05	0.039	0.116	0.080	0.083	0.054	0.064
-0.90	-0.80	1.06	1.05	0.005	0.124	0.087	0.088	0.059	0.050
-0.93	0.80	1.04	1.02	-0.013	-0.211	0.076	0.079	0.054	0.059
-0.93	0.70	1.04	1.01	0.000	-0.231	0.071	0.070	0.055	0.068
-0.93	0.60	1.01	0.98	0.032	-0.227	0.094	0.097	0.053	0.073
-0.93	0.50	0.98	0.95	0.046	-0.221	0.083	0.086	0.054	0.072
-0.93	0.40	0.95	0.91	0.070	-0.236	0.082	0.082	0.058	0.064

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.93	0.30	0.79	0.75	0.144	-0.193	0.104	0.105	0.056	0.081
-0.93	0.20	0.39	0.36	0.083	-0.045	0.095	0.094	0.059	0.090
-0.93	0.10	0.54	0.53	0.029	0.000	0.061	0.062	0.041	0.047
-0.93	0.00	0.37	0.36	0.011	-0.021	0.064	0.065	0.043	0.059
-0.93	-0.10	0.36	0.35	0.011	-0.004	0.082	0.083	0.039	0.055
-0.93	-0.20	0.45	0.44	0.037	-0.014	0.076	0.080	0.047	0.056
-0.93	-0.30	0.43	0.39	0.075	0.065	0.139	0.146	0.063	0.106
-0.93	-0.40	0.77	0.73	0.126	0.130	0.194	0.230	0.056	0.077
-0.93	-0.50	0.93	0.91	0.056	0.166	0.088	0.089	0.056	0.073
-0.93	-0.60	0.98	0.97	0.032	0.132	0.082	0.083	0.052	0.078
-0.93	-0.70	1.07	1.06	0.031	0.094	0.083	0.084	0.050	0.069
-0.93	-0.80	1.11	1.10	-0.001	0.097	0.082	0.083	0.059	0.056
-0.95	0.80	1.06	1.04	0.005	-0.186	0.077	0.080	0.058	0.058
-0.95	0.70	1.03	1.01	0.028	-0.188	0.079	0.082	0.046	0.072
-0.95	0.60	1.02	1.00	0.030	-0.196	0.086	0.085	0.050	0.084
-0.95	0.50	0.98	0.95	0.032	-0.212	0.091	0.091	0.055	0.081
-0.95	0.40	0.94	0.91	0.064	-0.216	0.089	0.091	0.052	0.072
-0.95	0.30	0.82	0.79	0.095	-0.194	0.093	0.093	0.057	0.073
-0.95	0.20	0.40	0.38	0.040	-0.056	0.113	0.112	0.053	0.091
-0.95	0.10	0.57	0.56	0.014	-0.017	0.053	0.054	0.048	0.043
-0.95	0.00	0.34	0.33	0.003	-0.008	0.087	0.087	0.051	0.056
-0.95	-0.10	0.42	0.41	-0.004	0.004	0.072	0.074	0.042	0.049
-0.95	-0.20	0.45	0.45	0.002	-0.010	0.066	0.067	0.046	0.049
-0.95	-0.30	0.47	0.45	0.033	0.072	0.150	0.154	0.052	0.107
-0.95	-0.40	0.83	0.81	0.086	0.164	0.108	0.108	0.050	0.084
-0.95	-0.50	0.95	0.93	0.050	0.157	0.078	0.080	0.045	0.074
-0.95	-0.60	1.03	1.02	0.035	0.052	0.076	0.075	0.042	0.077
-0.95	-0.70	1.12	1.12	0.036	0.028	0.057	0.057	0.039	0.052
-0.95	-0.80	1.17	1.17	0.011	0.046	0.077	0.077	0.061	0.058

Table D-6, Station 11, X(H) = 1.0 Exit

y	z	$\bar{U}_{rms}$	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'_{rms}	u'	v'	w'
0.80	0.00	1.04	1.04	0.031	-0.007	0.049	0.049	0.036	0.030
0.70	0.00	1.06	1.06	0.037	-0.002	0.039	0.039	0.029	0.024
0.60	0.00	1.07	1.07	0.039	0.000	0.035	0.035	0.024	0.022
0.50	0.00	1.07	1.07	0.048	-0.001	0.033	0.033	0.022	0.018
0.40	0.00	1.08	1.08	0.045	0.002	0.035	0.035	0.019	0.018
0.30	0.00	1.08	1.08	0.046	0.004	0.027	0.027	0.019	0.013
0.20	0.00	1.08	1.08	0.053	0.002	0.030	0.030	0.020	0.016
0.10	0.00	1.08	1.07	0.056	0.003	0.029	0.029	0.018	0.016
0.00	0.00	1.09	1.08	0.061	0.004	0.030	0.028	0.018	0.016
-0.10	0.00	1.08	1.08	0.070	0.009	0.029	0.029	0.019	0.015
-0.20	0.00	1.09	1.09	0.083	0.012	0.031	0.031	0.024	0.016
-0.30	0.00	1.04	1.03	0.103	0.012	0.062	0.062	0.035	0.037
-0.40	0.00	0.74	0.72	0.095	-0.002	0.101	0.103	0.057	0.069
-0.50	0.00	0.54	0.52	0.081	0.031	0.092	0.093	0.086	0.074
-0.55	0.00	0.52	0.50	0.102	0.026	0.099	0.099	0.094	0.081
-0.60	0.00	0.57	0.53	0.137	0.020	0.117	0.116	0.121	0.096
-0.65	0.00	0.63	0.58	0.177	-0.028	0.125	0.122	0.131	0.109
-0.70	0.00	0.69	0.63	0.211	-0.049	0.119	0.120	0.133	0.109
-0.75	0.00	0.72	0.65	0.227	-0.057	0.126	0.136	0.123	0.127
-0.80	0.00	0.74	0.68	0.225	-0.095	0.132	0.141	0.107	0.134
-0.80	-0.10	0.70	0.67	0.133	0.019	0.119	0.121	0.104	0.123
-0.75	-0.10	0.67	0.65	0.124	-0.002	0.115	0.116	0.110	0.126
-0.70	-0.10	0.62	0.60	0.093	-0.021	0.116	0.117	0.123	0.120
-0.65	-0.10	0.58	0.55	0.093	-0.016	0.121	0.122	0.119	0.102
-0.60	-0.10	0.53	0.51	0.077	-0.054	0.100	0.099	0.097	0.073
-0.55	-0.10	0.51	0.49	0.071	-0.047	0.096	0.097	0.083	0.070
-0.50	-0.10	0.53	0.51	0.076	-0.036	0.099	0.100	0.075	0.070
0.40	-0.10	0.70	0.68	0.079	-0.019	0.110	0.111	0.071	0.069
-0.30	-0.10	1.05	1.04	0.091	-0.015	0.060	0.061	0.036	0.035
-0.20	-0.10	1.09	1.09	0.078	-0.004	0.028	0.028	0.021	0.015
-0.10	-0.10	1.09	1.09	0.070	-0.004	0.032	0.032	0.018	0.015
0.00	-0.10	1.09	1.08	0.062	-0.003	0.030	0.030	0.018	0.017
0.10	-0.10	1.08	1.08	0.054	-0.003	0.030	0.030	0.017	0.016
0.20	-0.10	1.08	1.08	0.049	-0.002	0.030	0.030	0.017	0.016
0.30	-0.10	1.08	1.08	0.047	0.001	0.027	0.027	0.017	0.013
0.40	-0.10	1.08	1.08	0.045	-0.002	0.034	0.034	0.019	0.017
0.50	-0.10	1.07	1.07	0.043	-0.004	0.034	0.034	0.020	0.018
0.60	-0.10	1.07	1.07	0.041	-0.001	0.037	0.037	0.026	0.020
0.70	-0.10	1.06	1.05	0.036	-0.004	0.039	0.039	0.029	0.023
0.80	-0.10	1.04	1.04	0.026	-0.006	0.045	0.045	0.035	0.030
0.80	-0.20	1.04	1.04	0.024	-0.010	0.049	0.049	0.038	0.027
0.70	-0.20	1.07	1.07	0.037	-0.007	0.038	0.038	0.034	0.022
0.60	-0.20	1.07	1.07	0.040	-0.005	0.034	0.034	0.025	0.020
0.50	-0.20	1.08	1.08	0.046	-0.005	0.034	0.034	0.023	0.018
0.40	-0.20	1.08	1.08	0.048	-0.006	0.033	0.033	0.018	0.017
0.30	-0.20	1.08	1.08	0.048	-0.003	0.026	0.026	0.020	0.013
0.20	-0.20	1.08	1.08	0.050	-0.007	0.031	0.030	0.018	0.015
0.10	-0.20	1.08	1.08	0.050	-0.007	0.031	0.031	0.016	0.014
0.00	-0.20	1.09	1.09	0.056	-0.011	0.032	0.032	0.016	0.016
-0.10	-0.20	1.09	1.09	0.061	-0.015	0.028	0.028	0.019	0.015
-0.20	-0.20	1.10	1.10	0.068	-0.020	0.031	0.031	0.021	0.014
-0.30	-0.20	1.04	1.04	0.076	-0.043	0.078	0.079	0.041	0.040
-0.40	-0.20	0.68	0.66	0.079	-0.038	0.126	0.127	0.074	0.075
-0.50	-0.20	0.53	0.51	0.063	-0.077	0.096	0.097	0.084	0.071
-0.55	-0.20	0.53	0.51	0.044	-0.094	0.093	0.094	0.088	0.073
-0.60	-0.20	0.55	0.53	0.040	-0.076	0.107	0.109	0.098	0.085
-0.65	-0.20	0.62	0.60	0.036	-0.043	0.119	0.122	0.102	0.095
-0.70	-0.20	0.68	0.67	0.048	-0.009	0.111	0.115	0.098	0.100
-0.75	-0.20	0.74	0.73	0.059	0.029	0.101	0.104	0.084	0.075
-0.80	-0.20	0.80	0.78	0.056	0.073	0.083	0.083	0.063	0.087

y	z	$\bar{U}_{rms}$	$\bar{U}$	$\bar{V}$	$\bar{W}$	U'_{rms}	u'	v'	w'
-0.80	-0.70	0.76	0.75	0.000	0.088	0.068	0.068	0.059	0.076
0.75	-0.70	0.74	0.73	-0.004	0.038	0.076	0.076	0.067	0.083
-0.70	-0.70	0.72	0.71	0.003	0.005	0.087	0.090	0.081	0.086
-0.65	-0.70	0.67	0.66	-0.005	0.077	0.097	0.100	0.087	0.08
-0.60	-0.70	0.62	0.60	0.008	-0.070	0.113	0.115	0.088	0.075
-0.55	-0.70	0.57	0.54	0.011	-0.086	0.095	0.099	0.085	0.074
-0.50	-0.70	0.56	0.54	0.014	-0.087	0.095	0.098	0.091	0.078
0.40	-0.70	0.75	0.71	0.063	-0.066	0.177	0.177	0.084	0.078
-0.30	-0.70	1.04	1.04	0.057	-0.060	0.074	0.074	0.032	0.045
-0.20	-0.70	1.09	1.07	0.057	-0.033	0.030	0.030	0.010	0.015
-0.10	-0.70	1.09	1.09	0.052	-0.021	0.030	0.030	0.010	0.014
0.00	-0.70	1.09	1.09	0.052	-0.016	0.032	0.032	0.015	0.015
0.10	-0.70	1.09	1.09	0.047	-0.014	0.030	0.030	0.018	0.015
0.20	-0.70	1.09	1.09	0.048	-0.012	0.033	0.033	0.018	0.017
0.30	-0.70	1.09	1.09	0.046	-0.007	0.026	0.026	0.020	0.014
0.40	-0.70	1.09	1.09	0.051	-0.010	0.033	0.033	0.020	0.016
0.50	-0.70	1.08	1.08	0.041	-0.007	0.036	0.036	0.021	0.016
0.60	-0.70	1.07	1.07	0.044	-0.008	0.035	0.035	0.024	0.021
0.70	-0.70	1.07	1.07	0.036	-0.008	0.040	0.040	0.026	0.022
0.80	-0.70	1.04	1.04	0.033	-0.011	0.049	0.050	0.036	0.027
0.00	-0.40	1.08	1.08	0.035	-0.016	0.049	0.047	0.033	0.030
0.10	-0.40	1.08	1.08	0.029	-0.011	0.038	0.038	0.033	0.024
0.20	-0.40	1.08	1.08	0.042	-0.007	0.035	0.035	0.025	0.020
0.50	-0.40	1.08	1.09	0.051	-0.010	0.036	0.035	0.027	0.01
0.40	-0.40	1.08	1.08	0.049	-0.005	0.033	0.032	0.026	0.017
0.30	-0.40	1.07	1.07	0.037	-0.008	0.029	0.027	0.022	0.014
0.20	-0.40	1.09	1.07	0.046	-0.013	0.037	0.032	0.020	0.017
0.10	-0.40	1.07	1.07	0.044	-0.014	0.032	0.032	0.017	0.015
0.00	-0.40	1.10	1.10	0.048	-0.020	0.033	0.033	0.017	0.015
-0.10	-0.40	1.10	1.10	0.044	-0.026	0.030	0.030	0.018	0.015
-0.20	-0.40	1.09	1.09	0.045	-0.039	0.028	0.028	0.019	0.017
-0.30	-0.40	1.08	1.08	0.039	-0.061	0.047	0.047	0.022	0.022
-0.40	-0.40	0.85	0.84	0.032	-0.086	0.119	0.121	0.061	0.073
-0.50	-0.40	0.64	0.62	0.010	-0.081	0.101	0.103	0.087	0.067
0.55	-0.40	0.64	0.62	-0.009	-0.078	0.096	0.098	0.079	0.072
-0.60	-0.40	0.65	0.64	-0.021	-0.056	0.097	0.099	0.079	0.070
-0.65	-0.40	0.69	0.68	-0.041	-0.022	0.079	0.079	0.075	0.074
-0.70	-0.40	0.73	0.72	-0.048	0.011	0.077	0.077	0.071	0.067
-0.75	-0.40	0.76	0.75	0.046	0.060	0.065	0.065	0.072	0.065
-0.80	-0.40	0.78	0.77	-0.057	0.115	0.058	0.059	0.071	0.050
-0.30	-0.50	0.84	0.84	-0.015	0.080	0.067	0.066	0.058	0.050
0.75	-0.50	0.83	0.83	-0.027	0.044	0.072	0.072	0.064	0.059
-0.70	-0.50	0.82	0.81	-0.034	0.003	0.078	0.078	0.071	0.062
-0.65	-0.50	0.79	0.78	-0.028	-0.029	0.085	0.086	0.070	0.066
-0.60	-0.50	0.77	0.76	-0.025	-0.045	0.093	0.094	0.069	0.072
-0.55	-0.50	0.80	0.79	-0.015	-0.077	0.103	0.105	0.059	0.070
0.50	-0.50	0.84	0.83	-0.014	-0.085	0.103	0.105	0.045	0.067
-0.40	0.50	1.04	1.04	0.013	-0.071	0.067	0.068	0.025	0.053
-0.30	-0.50	1.09	1.07	0.022	-0.052	0.035	0.035	0.018	0.021
-0.20	-0.50	1.09	1.09	0.036	-0.040	0.033	0.033	0.018	0.015
-0.10	0.50	1.09	1.09	0.041	-0.031	0.033	0.033	0.017	0.016
0.00	-0.50	1.09	1.09	0.047	-0.022	0.036	0.036	0.019	0.016
0.10	-0.50	1.09	1.08	0.049	-0.021	0.036	0.036	0.018	0.021
0.20	-0.50	1.09	1.09	0.050	-0.017	0.034	0.034	0.020	0.017
0.30	-0.50	1.09	1.08	0.049	-0.010	0.032	0.032	0.020	0.018
0.40	-0.50	1.08	1.08	0.050	-0.008	0.037	0.038	0.020	0.018
0.50	-0.50	1.08	1.08	0.044	-0.004	0.036	0.036	0.028	0.020
0.60	0.50	1.07	1.07	0.052	-0.008	0.037	0.037	0.030	0.022
0.70	-0.50	1.06	1.06	0.046	-0.013	0.040	0.040	0.030	0.027
0.80	-0.50	1.05	1.05	0.043	-0.018	0.045	0.046	0.038	0.030

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	-0.60	1.05	1.05	0.047	-0.018	0.051	0.051	0.041	0.032
0.70	-0.60	1.07	1.06	0.040	-0.012	0.044	0.044	0.038	0.027
0.60	-0.60	1.08	1.08	0.046	-0.008	0.037	0.037	0.033	0.022
0.50	-0.60	1.08	1.07	0.049	-0.008	0.036	0.036	0.029	0.022
0.40	-0.60	1.08	1.07	0.049	-0.010	0.036	0.037	0.024	0.019
0.30	-0.60	1.05	1.05	0.052	-0.001	0.126	0.141	0.020	0.066
0.20	-0.60	1.08	1.08	0.049	-0.014	0.033	0.033	0.020	0.018
0.10	-0.60	1.09	1.09	0.046	-0.016	0.034	0.034	0.019	0.018
0.00	-0.60	1.09	1.09	0.042	-0.019	0.030	0.030	0.018	0.016
-0.10	-0.60	1.10	1.10	0.040	-0.020	0.029	0.029	0.017	0.015
-0.20	-0.60	1.10	1.10	0.027	-0.028	0.027	0.027	0.017	0.014
-0.30	-0.60	1.09	1.09	0.017	-0.037	0.027	0.027	0.016	0.016
-0.40	-0.60	1.09	1.09	0.002	-0.043	0.032	0.032	0.017	0.022
0.50	-0.60	1.08	1.08	-0.014	-0.046	0.041	0.042	0.018	0.042
-0.55	-0.60	1.05	1.04	-0.023	-0.050	0.067	0.067	0.019	0.052
0.60	-0.60	1.03	1.02	-0.032	-0.044	0.077	0.078	0.019	0.061
0.65	-0.60	1.00	1.00	-0.037	-0.029	0.075	0.076	0.075	0.059
0.70	-0.60	0.97	0.97	-0.029	0.003	0.069	0.070	0.035	0.063
-0.75	-0.60	0.93	0.93	-0.020	0.034	0.063	0.063	0.040	0.053
0.80	0.60	0.89	0.89	-0.011	0.057	0.055	0.055	0.043	0.044
0.80	-0.70	0.96	0.96	-0.016	0.043	0.047	0.047	0.038	0.034
-0.75	0.70	0.98	0.98	-0.022	0.026	0.056	0.056	0.030	0.038
-0.70	0.70	0.96	0.96	-0.025	0.030	0.077	0.078	0.025	0.037
-0.65	-0.70	1.03	1.03	-0.027	0.007	0.078	0.079	0.022	0.029
-0.60	-0.70	1.08	1.08	-0.027	-0.008	0.027	0.027	0.022	0.021
0.55	-0.70	1.08	1.08	-0.019	-0.013	0.024	0.024	0.018	0.016
-0.50	-0.70	1.08	1.08	-0.013	-0.020	0.023	0.023	0.016	0.015
-0.40	-0.70	1.08	1.08	0.002	-0.024	0.025	0.025	0.017	0.015
-0.30	-0.70	1.09	1.09	0.014	-0.024	0.026	0.026	0.018	0.015
-0.20	0.70	1.08	1.08	0.024	-0.022	0.028	0.028	0.018	0.017
-0.10	-0.70	1.07	1.07	0.035	-0.021	0.031	0.031	0.018	0.017
0.00	-0.70	1.07	1.07	0.040	-0.019	0.029	0.029	0.018	0.018
0.10	-0.70	1.07	1.07	0.044	-0.016	0.032	0.032	0.021	0.018
0.20	-0.70	1.07	1.07	0.047	-0.013	0.033	0.033	0.021	0.020
0.30	-0.70	1.07	1.07	0.048	-0.012	0.034	0.034	0.021	0.017
0.40	-0.70	1.06	1.06	0.046	-0.013	0.033	0.033	0.025	0.027
0.50	0.70	1.07	1.06	0.047	-0.015	0.039	0.039	0.030	0.023
0.60	-0.70	1.05	1.05	0.042	-0.010	0.038	0.038	0.026	0.028
0.70	0.70	1.07	1.07	0.020	-0.014	0.041	0.041	0.034	0.027
0.80	-0.70	1.04	1.04	0.016	-0.017	0.049	0.049	0.044	0.033
0.80	-0.30	1.05	1.05	0.037	-0.023	0.044	0.045	0.037	0.030
0.70	0.30	1.07	1.07	0.039	-0.017	0.041	0.041	0.030	0.027
0.60	-0.30	1.07	1.07	0.034	-0.015	0.041	0.041	0.032	0.026
0.50	-0.80	1.08	1.08	0.033	0.016	0.036	0.036	0.034	0.023
0.40	-0.80	1.08	1.08	0.036	-0.012	0.035	0.035	0.030	0.023
0.30	-0.80	1.08	1.08	0.033	0.015	0.029	0.029	0.022	0.017
0.20	0.80	1.09	1.09	0.038	-0.016	0.033	0.033	0.021	0.019
0.10	0.80	1.08	1.08	0.035	-0.014	0.036	0.036	0.022	0.021
0.00	-0.80	1.09	1.09	0.030	-0.014	0.031	0.031	0.023	0.022
-0.10	-0.80	1.08	1.08	0.022	-0.016	0.029	0.029	0.019	0.020
-0.20	-0.80	1.08	1.08	0.017	-0.017	0.031	0.031	0.025	0.022
0.30	-0.80	1.08	1.08	0.004	-0.018	0.027	0.028	0.021	0.019
-0.40	-0.80	1.08	1.08	-0.002	-0.017	0.027	0.027	0.021	0.021
-0.50	-0.80	1.08	1.08	-0.011	-0.015	0.028	0.028	0.020	0.021
-0.55	-0.80	1.08	1.08	-0.021	-0.012	0.027	0.027	0.019	0.021
-0.60	-0.80	1.08	1.08	-0.022	-0.011	0.031	0.031	0.021	0.019
-0.65	-0.80	1.08	1.08	-0.029	-0.007	0.031	0.031	0.024	0.022
-0.70	-0.80	1.07	1.07	0.028	0.000	0.038	0.038	0.026	0.025
-0.75	-0.80	1.03	1.03	-0.030	0.015	0.044	0.044	0.028	0.026
0.80	-0.80	1.00	1.00	-0.024	0.032	0.047	0.047	0.035	0.030

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′ rms	u′	v′	w′
-0.80	-0.85	1.03	1.03	-0.043	0.030	0.051	0.051	0.042	0.043
-0.75	-0.85	1.05	1.05	-0.048	0.010	0.048	0.049	0.038	0.034
-0.70	-0.85	1.06	1.06	-0.044	-0.004	0.048	0.048	0.037	0.036
-0.65	-0.85	1.06	1.06	-0.040	-0.011	0.048	0.049	0.034	0.033
-0.60	-0.85	1.07	1.07	-0.038	-0.013	0.044	0.044	0.040	0.037
-0.55	-0.85	1.06	1.06	-0.026	-0.014	0.047	0.047	0.026	0.028
-0.50	-0.85	1.07	1.07	-0.023	-0.015	0.043	0.043	0.029	0.031
-0.40	-0.85	1.07	1.07	-0.013	-0.018	0.045	0.045	0.033	0.030
-0.30	-0.85	1.07	1.07	-0.009	-0.020	0.042	0.042	0.031	0.028
-0.20	-0.85	1.06	1.06	0.003	-0.019	0.040	0.040	0.035	0.032
-0.10	-0.85	1.06	1.06	0.003	-0.015	0.045	0.045	0.038	0.029
0.00	-0.85	1.06	1.06	0.012	-0.012	0.045	0.045	0.039	0.030
0.10	-0.85	1.06	1.06	0.007	-0.016	0.045	0.042	0.032	0.054
0.20	-0.85	1.06	1.05	0.014	-0.016	0.041	0.045	0.034	0.051
0.30	-0.85	1.06	1.06	0.021	-0.015	0.039	0.045	0.027	0.033
0.40	-0.85	1.06	1.06	0.026	-0.018	0.037	0.037	0.034	0.026
0.50	-0.85	1.06	1.06	0.028	-0.017	0.041	0.042	0.036	0.027
0.60	-0.85	1.05	1.05	0.029	-0.016	0.041	0.041	0.032	0.025
0.70	-0.85	1.03	1.03	0.023	-0.022	0.054	0.054	0.041	0.032
0.80	-0.85	1.02	1.01	0.015	-0.022	0.048	0.048	0.041	0.033
-0.80	-0.90	1.01	1.00	-0.082	0.024	0.074	0.074	0.063	0.048
0.75	-0.90	1.02	1.02	-0.076	0.007	0.064	0.064	0.057	0.044
-0.70	-0.90	1.02	1.02	-0.072	-0.003	0.068	0.068	0.052	0.046
-0.65	-0.90	1.03	1.02	-0.071	-0.007	0.059	0.060	0.057	0.039
-0.60	-0.90	1.02	1.02	-0.065	-0.015	0.068	0.069	0.050	0.037
-0.55	-0.90	1.02	1.01	-0.051	-0.018	0.071	0.071	0.050	0.036
-0.50	-0.90	1.03	1.03	-0.042	-0.017	0.060	0.060	0.044	0.042
-0.40	-0.90	1.02	1.02	-0.027	-0.019	0.057	0.057	0.040	0.035
-0.30	-0.90	1.03	1.02	-0.023	-0.017	0.057	0.057	0.046	0.042
-0.20	-0.90	1.03	1.03	-0.013	-0.015	0.056	0.056	0.044	0.040
-0.10	-0.90	1.02	1.02	-0.004	-0.020	0.059	0.059	0.037	0.035
0.00	-0.90	1.02	1.02	0.004	-0.021	0.061	0.061	0.039	0.037
0.10	-0.90	1.02	1.01	-0.001	-0.018	0.052	0.053	0.049	0.036
-0.20	-0.90	1.02	1.02	0.002	-0.015	0.058	0.059	0.045	0.033
0.30	-0.90	1.05	1.05	0.009	-0.019	0.050	0.050	0.037	0.035
0.40	-0.90	1.05	1.05	0.017	-0.021	0.048	0.048	0.042	0.026
0.50	-0.90	1.03	1.03	0.016	-0.016	0.055	0.055	0.036	0.027
0.60	-0.90	1.03	1.03	0.025	-0.021	0.056	0.056	0.038	0.028
0.70	-0.90	1.02	1.02	0.018	-0.019	0.055	0.055	0.042	0.029
0.80	-0.90	1.01	1.01	0.007	-0.027	0.048	0.048	0.042	0.035
-0.80	-0.93	0.96	0.96	0.059	0.021	0.086	0.087	0.057	0.051
-0.75	-0.93	0.98	0.97	-0.057	0.008	0.073	0.073	0.047	0.054
-0.70	-0.93	0.99	0.99	-0.050	-0.005	0.077	0.077	0.048	0.044
-0.65	-0.93	0.99	0.99	0.050	-0.008	0.072	0.072	0.046	0.046
-0.60	-0.93	1.00	1.00	-0.047	-0.015	0.076	0.075	0.044	0.048
-0.55	-0.93	1.00	1.00	-0.044	-0.016	0.073	0.073	0.041	0.042
-0.50	-0.93	1.00	1.00	-0.036	-0.019	0.070	0.070	0.046	0.045
-0.40	-0.93	1.00	1.00	-0.021	-0.019	0.071	0.071	0.038	0.040
-0.30	-0.93	1.01	1.00	-0.013	-0.015	0.067	0.068	0.044	0.045
-0.20	-0.93	1.01	1.01	-0.012	-0.016	0.065	0.065	0.046	0.041
-0.10	-0.93	1.01	1.01	-0.007	-0.017	0.066	0.067	0.043	0.040
0.00	-0.93	1.00	0.99	-0.006	-0.011	0.076	0.076	0.042	0.039
0.10	-0.93	1.00	1.00	0.002	-0.020	0.070	0.070	0.043	0.042
0.20	-0.93	1.00	1.00	0.006	-0.023	0.065	0.065	0.041	0.037
0.30	-0.93	1.02	1.02	0.010	-0.018	0.060	0.060	0.039	0.030
0.40	-0.93	1.02	1.02	0.011	-0.023	0.060	0.060	0.042	0.031
0.50	-0.93	1.02	1.01	0.025	-0.021	0.061	0.061	0.029	0.038
0.55	-0.93	1.02	1.01	0.026	-0.016	0.075	0.063	0.011	0.038
0.60	-0.93	1.02	1.01	0.028	-0.016	0.071	0.055	0.013	0.044
0.65	-0.93	1.02	1.01	0.048	-0.015	0.054	0.058	0.012	0.038

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.70	-0.93	1.02	1.01	0.022	-0.014	0.051	0.051	0.039	0.035
0.80	-0.93	1.00	1.00	0.028	-0.030	0.052	0.052	0.048	0.034
0.80	-0.95	0.90	0.90	-0.077	0.015	0.088	0.089	0.055	0.050
-0.75	-0.95	0.91	0.90	-0.073	0.005	0.087	0.087	0.052	0.048
-0.70	-0.95	0.90	0.90	-0.056	0.004	0.088	0.089	0.046	0.048
-0.65	-0.95	0.91	0.91	-0.066	-0.009	0.084	0.084	0.050	0.043
0.60	-0.95	0.91	0.90	-0.066	-0.008	0.081	0.081	0.052	0.049
-0.55	-0.95	0.94	0.94	-0.046	-0.016	0.093	0.093	0.049	0.051
-0.50	-0.95	0.90	0.90	-0.053	-0.019	0.069	0.069	0.043	0.042
-0.40	-0.95	0.94	0.94	-0.045	-0.016	0.087	0.088	0.044	0.046
-0.30	-0.95	0.94	0.94	-0.037	-0.017	0.077	0.078	0.054	0.046
-0.20	-0.95	0.94	0.93	-0.030	-0.012	0.087	0.086	0.051	0.040
-0.10	-0.95	0.92	0.92	-0.025	-0.020	0.080	0.081	0.052	0.048
0.00	-0.95	0.93	0.93	-0.011	-0.021	0.082	0.082	0.041	0.043
0.10	-0.95	0.96	0.96	0.000	-0.017	0.079	0.079	0.045	0.036
0.20	-0.95	0.95	0.95	-0.003	-0.016	0.076	0.076	0.046	0.037
0.30	-0.95	0.96	0.96	0.004	-0.017	0.076	0.076	0.044	0.038
0.40	-0.95	0.96	0.96	-0.003	-0.018	0.076	0.076	0.051	0.033
0.50	-0.95	1.00	1.00	0.003	-0.019	0.117	0.117	0.043	0.028
0.60	-0.95	0.97	0.97	0.005	-0.014	0.077	0.077	0.041	0.030
0.70	-0.95	0.96	0.96	0.012	-0.015	0.077	0.077	0.026	0.030
0.80	-0.95	0.91	0.90	0.020	-0.018	0.071	0.071	0.053	0.034
-0.80	-0.96	0.86	0.85	-0.069	0.011	0.099	0.097	0.051	0.055
-0.75	-0.96	0.83	0.83	-0.080	0.001	0.085	0.085	0.049	0.044
-0.70	-0.96	0.88	0.88	-0.055	-0.003	0.094	0.094	0.048	0.041
0.65	0.96	0.87	0.87	-0.052	-0.014	0.080	0.080	0.048	0.050
-0.60	-0.96	0.90	0.90	-0.045	-0.014	0.086	0.087	0.043	0.046
-0.55	-0.96	0.91	0.91	-0.048	-0.017	0.085	0.085	0.046	0.051
-0.50	-0.96	0.91	0.91	-0.039	-0.017	0.093	0.093	0.039	0.047
-0.40	-0.96	0.93	0.93	-0.038	-0.015	0.090	0.089	0.045	0.054
-0.30	-0.96	0.91	0.90	-0.032	-0.017	0.085	0.085	0.052	0.046
-0.20	-0.96	0.93	0.92	-0.019	-0.020	0.086	0.086	0.041	0.036
-0.10	-0.96	0.93	0.92	-0.008	-0.021	0.096	0.096	0.042	0.042
0.00	-0.96	0.93	0.93	-0.009	-0.017	0.080	0.081	0.043	0.047
0.10	0.96	0.93	0.93	-0.002	-0.015	0.093	0.094	0.046	0.042
0.20	-0.96	0.94	0.94	0.002	-0.019	0.086	0.086	0.042	0.038
0.30	-0.96	0.94	0.94	0.006	-0.011	0.086	0.086	0.044	0.032
0.40	-0.96	0.99	0.99	0.003	-0.015	0.111	0.111	0.044	0.035
0.50	-0.96	1.02	1.02	0.015	-0.017	0.128	0.128	0.038	0.025
0.60	-0.96	1.03	1.03	0.016	-0.021	0.114	0.114	0.044	0.030
0.70	-0.96	1.01	1.00	0.016	-0.020	0.106	0.106	0.052	0.027
0.80	0.96	0.97	0.97	0.024	-0.019	0.053	0.053	0.050	0.030
0.70	0.00	1.07	1.07	0.032	0.004	0.039	0.039	0.031	0.025
0.60	0.00	1.08	1.08	0.038	0.004	0.035	0.035	0.023	0.020
0.50	0.00	1.08	1.08	0.042	0.005	0.031	0.031	0.017	0.018
0.40	0.00	1.08	1.08	0.045	0.004	0.033	0.034	0.017	0.017
0.30	0.00	1.08	1.08	0.048	0.006	0.033	0.033	0.018	0.017
0.20	0.00	1.08	1.08	0.052	0.005	0.033	0.033	0.016	0.015
0.10	0.00	1.09	1.09	0.057	0.007	0.033	0.033	0.017	0.016
0.00	0.00	1.09	1.09	0.061	0.007	0.031	0.031	0.016	0.015
-0.10	0.00	1.08	1.08	0.068	0.014	0.029	0.029	0.016	0.016
-0.20	0.00	1.09	1.09	0.077	0.020	0.030	0.030	0.018	0.013
-0.30	0.00	1.08	1.08	0.097	0.024	0.049	0.049	0.034	0.023
-0.40	0.00	0.80	0.79	0.081	0.005	0.113	0.114	0.057	0.067
-0.50	0.00	0.58	0.56	0.079	0.032	0.093	0.094	0.072	0.071
-0.55	0.00	0.54	0.51	0.083	0.048	0.100	0.100	0.087	0.078
-0.60	0.00	0.56	0.54	0.106	0.020	0.113	0.115	0.107	0.084
-0.65	0.00	0.61	0.57	0.131	-0.010	0.114	0.113	0.119	0.091
-0.70	0.00	0.66	0.61	0.160	-0.043	0.121	0.119	0.120	0.104
-0.75	0.00	0.70	0.65	0.192	-0.064	0.136	0.128	0.114	0.101

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.80	0.00	0.74	0.70	0.178	-0.076	0.105	0.107	0.101	0.105
-0.80	0.10	0.82	0.80	0.109	-0.101	0.075	0.076	0.066	0.066
-0.75	0.10	0.79	0.77	0.112	-0.062	0.090	0.093	0.087	0.074
-0.70	0.10	0.73	0.71	0.076	-0.036	0.103	0.103	0.099	0.081
-0.65	0.10	0.67	0.65	0.078	0.006	0.107	0.108	0.095	0.089
-0.60	0.10	0.62	0.59	0.077	0.047	0.099	0.101	0.101	0.080
-0.55	0.10	0.58	0.56	0.063	0.077	0.093	0.097	0.087	0.085
-0.50	0.10	0.57	0.55	0.068	0.068	0.098	0.098	0.078	0.079
-0.40	0.10	0.73	0.72	0.072	0.016	0.106	0.107	0.082	0.075
-0.30	0.10	1.04	1.03	0.090	0.030	0.055	0.097	0.047	0.046
-0.20	0.10	1.09	1.09	0.074	0.036	0.033	0.033	0.022	0.016
-0.10	0.10	1.09	1.09	0.063	0.026	0.029	0.029	0.017	0.016
0.00	0.10	1.09	1.09	0.059	0.020	0.030	0.030	0.017	0.015
0.10	0.10	1.09	1.09	0.054	0.013	0.032	0.032	0.015	0.016
0.20	0.10	1.09	1.08	0.050	0.010	0.030	0.030	0.015	0.015
0.30	0.10	1.09	1.07	0.049	0.008	0.031	0.031	0.016	0.015
0.40	0.10	1.08	1.08	0.045	0.006	0.035	0.035	0.017	0.016
0.50	0.10	1.08	1.08	0.039	0.007	0.033	0.033	0.020	0.015
0.60	0.10	1.07	1.07	0.039	0.003	0.036	0.036	0.021	0.019
0.70	0.10	1.06	1.06	0.038	0.004	0.038	0.038	0.029	0.021
0.80	0.10	1.05	1.05	0.032	0.000	0.041	0.041	0.030	0.028
0.80	0.20	1.05	1.05	0.033	0.005	0.051	0.052	0.033	0.030
0.70	0.20	1.06	1.06	0.036	0.007	0.040	0.040	0.030	0.026
0.60	0.20	1.08	1.08	0.039	0.006	0.038	0.038	0.022	0.023
0.50	0.20	1.09	1.09	0.040	0.008	0.039	0.039	0.021	0.018
0.40	0.20	1.09	1.09	0.044	0.007	0.033	0.033	0.018	0.018
0.30	0.20	1.09	1.09	0.048	0.010	0.037	0.037	0.015	0.016
0.20	0.20	1.09	1.09	0.047	0.018	0.029	0.029	0.014	0.014
0.10	0.20	1.09	1.09	0.053	0.017	0.030	0.030	0.016	0.016
0.00	0.20	1.10	1.10	0.055	0.023	0.029	0.029	0.014	0.014
0.10	0.10	1.10	1.10	0.056	0.028	0.028	0.028	0.016	0.017
-0.70	0.20	1.10	1.09	0.065	0.040	0.026	0.026	0.020	0.014
0.30	0.20	1.06	1.06	0.072	0.060	0.067	0.067	0.046	0.038
-0.40	0.20	0.74	0.73	0.064	0.037	0.115	0.116	0.068	0.075
-0.50	0.20	0.59	0.57	0.040	0.078	0.094	0.100	0.076	0.072
0.55	0.20	0.62	0.60	0.042	0.072	0.099	0.102	0.082	0.073
-0.60	0.20	0.65	0.64	0.037	0.045	0.059	0.102	0.085	0.078
-0.65	0.20	0.71	0.70	0.041	0.009	0.090	0.091	0.084	0.072
-0.70	0.20	0.75	0.74	0.073	-0.027	0.080	0.081	0.076	0.061
-0.75	0.20	0.76	0.75	0.075	-0.083	0.061	0.063	0.056	0.058
-0.80	0.20	0.79	0.77	0.058	-0.129	0.059	0.059	0.049	0.050
-0.80	0.30	0.80	0.79	-0.009	-0.133	0.058	0.058	0.061	0.045
-0.75	0.30	0.76	0.75	-0.018	-0.089	0.057	0.057	0.050	0.057
-0.70	0.30	0.73	0.73	-0.017	-0.028	0.060	0.061	0.058	0.058
-0.65	0.30	0.73	0.72	-0.013	0.022	0.076	0.076	0.063	0.064
-0.60	0.30	0.68	0.67	-0.008	0.050	0.094	0.096	0.076	0.069
-0.55	0.30	0.65	0.64	-0.002	0.066	0.093	0.096	0.073	0.063
-0.50	0.30	0.65	0.64	0.015	0.071	0.093	0.094	0.070	0.070
-0.40	0.30	0.91	0.90	0.043	0.070	0.123	0.124	0.066	0.071
-0.30	0.30	1.09	1.09	0.051	0.071	0.049	0.050	0.035	0.027
-0.20	0.30	1.10	1.09	0.051	0.046	0.029	0.029	0.017	0.016
-0.10	0.30	1.10	1.09	0.049	0.034	0.033	0.033	0.016	0.015
0.00	0.30	1.09	1.09	0.049	0.020	0.032	0.032	0.016	0.015
0.10	0.30	1.09	1.09	0.048	0.016	0.032	0.032	0.018	0.016
0.20	0.30	1.09	1.09	0.043	0.015	0.025	0.025	0.020	0.013
0.30	0.30	1.08	1.08	0.042	0.011	0.033	0.033	0.017	0.015
0.40	0.30	1.08	1.08	0.037	0.008	0.032	0.032	0.017	0.015
0.50	0.30	1.08	1.08	0.037	0.006	0.033	0.033	0.021	0.016
0.60	0.30	1.08	1.07	0.032	0.007	0.035	0.035	0.023	0.020
0.70	0.30	1.06	1.06	0.032	0.013	0.041	0.041	0.035	0.024

ORIGINAL PAGE IS
OF POOR QUALITY

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
0.80	0.30	1.04	1.04	0.029	0.012	0.044	0.044	0.037	0.027
0.80	0.40	1.03	1.03	0.026	0.024	0.048	0.048	0.035	0.026
0.70	0.40	1.05	1.05	0.036	0.008	0.038	0.038	0.026	0.021
0.60	0.40	1.06	1.06	0.035	0.002	0.037	0.037	0.022	0.019
0.50	0.40	1.07	1.06	0.040	0.008	0.039	0.040	0.020	0.016
0.40	0.40	1.08	1.08	0.039	0.010	0.033	0.033	0.018	0.017
0.30	0.40	1.08	1.08	0.042	0.011	0.032	0.032	0.017	0.017
0.20	0.40	1.08	1.08	0.043	0.020	0.028	0.028	0.016	0.013
0.10	0.40	1.08	1.07	0.045	0.025	0.026	0.026	0.015	0.013
0.00	0.40	1.09	1.09	0.045	0.025	0.034	0.034	0.016	0.016
-0.10	0.40	1.09	1.09	0.043	0.035	0.032	0.032	0.015	0.014
-0.20	0.40	1.10	1.09	0.042	0.045	0.029	0.029	0.016	0.016
-0.30	0.40	1.10	1.10	0.033	0.062	0.032	0.032	0.019	0.016
-0.40	0.40	1.03	1.03	0.014	0.079	0.086	0.086	0.046	0.045
-0.50	0.40	0.82	0.81	-0.005	0.072	0.106	0.107	0.074	0.071
-0.55	0.40	0.76	0.75	-0.023	0.067	0.093	0.094	0.066	0.070
-0.60	0.40	0.74	0.73	-0.047	0.048	0.080	0.081	0.059	0.066
-0.65	0.40	0.75	0.75	-0.063	0.019	0.076	0.077	0.060	0.064
-0.70	0.40	0.78	0.77	-0.075	-0.014	0.071	0.071	0.058	0.068
-0.75	0.40	0.81	0.80	-0.062	-0.070	0.069	0.069	0.066	0.055
-0.80	0.40	0.84	0.83	-0.032	-0.105	0.067	0.067	0.071	0.050
-0.80	0.50	0.93	0.92	-0.028	-0.072	0.069	0.069	0.055	0.050
-0.75	0.50	0.94	0.94	-0.045	-0.051	0.075	0.075	0.064	0.047
-0.70	0.50	0.95	0.95	-0.056	-0.022	0.081	0.081	0.064	0.056
-0.65	0.50	0.95	0.95	-0.052	0.000	0.092	0.092	0.059	0.058
-0.60	0.50	0.96	0.96	-0.052	0.013	0.087	0.090	0.053	0.059
-0.55	0.50	1.01	1.00	-0.038	0.036	0.086	0.087	0.052	0.047
-0.50	0.50	1.07	1.06	-0.026	0.050	0.051	0.052	0.039	0.030
-0.40	0.50	1.09	1.09	-0.003	0.062	0.035	0.035	0.020	0.023
-0.30	0.50	1.09	1.09	0.017	0.050	0.029	0.029	0.015	0.017
-0.20	0.50	1.09	1.09	0.027	0.036	0.031	0.031	0.015	0.016
-0.10	0.50	1.08	1.08	0.036	0.030	0.031	0.031	0.014	0.015
0.00	0.50	1.08	1.08	0.040	0.025	0.036	0.035	0.016	0.015
0.10	0.50	1.08	1.08	0.044	0.021	0.034	0.034	0.016	0.016
0.20	0.50	1.08	1.08	0.042	0.018	0.028	0.028	0.017	0.013
0.30	0.50	1.06	1.06	0.041	0.017	0.039	0.039	0.018	0.016
0.40	0.50	1.06	1.06	0.037	0.015	0.031	0.031	0.017	0.014
0.50	0.50	1.05	1.05	0.035	0.012	0.035	0.035	0.023	0.014
0.60	0.50	1.04	1.04	0.034	0.012	0.038	0.038	0.025	0.017
0.70	0.50	1.01	1.01	0.039	0.003	0.040	0.040	0.030	0.021
0.80	0.50	1.01	1.01	0.031	0.004	0.041	0.041	0.034	0.027
0.80	0.60	1.01	1.01	0.031	0.006	0.041	0.041	0.039	0.028
0.70	0.60	1.02	1.02	0.036	0.007	0.039	0.039	0.028	0.023
0.60	0.60	1.03	1.03	0.032	0.007	0.037	0.037	0.024	0.020
0.50	0.60	1.04	1.04	0.031	0.014	0.031	0.031	0.020	0.015
0.40	0.60	1.03	1.03	0.034	0.017	0.031	0.031	0.017	0.012
0.30	0.60	1.04	1.04	0.034	0.019	0.036	0.036	0.018	0.015
0.20	0.60	1.06	1.06	0.042	0.020	0.031	0.031	0.017	0.014
0.10	0.60	1.06	1.06	0.044	0.013	0.033	0.033	0.016	0.014
0.00	0.60	1.08	1.08	0.035	0.014	0.032	0.032	0.014	0.016
-0.10	0.60	1.10	1.10	0.029	0.022	0.034	0.033	0.015	0.017
-0.20	0.60	1.10	1.10	0.017	0.028	0.032	0.032	0.014	0.017
-0.30	0.60	1.10	1.10	0.008	0.035	0.029	0.029	0.014	0.015
-0.40	0.60	1.10	1.09	-0.007	0.040	0.028	0.029	0.014	0.015
-0.50	0.60	1.10	1.09	-0.026	0.038	0.032	0.032	0.016	0.018
-0.55	0.60	1.10	1.10	-0.033	0.031	0.031	0.032	0.017	0.021
-0.60	0.60	1.09	1.09	-0.042	0.021	0.033	0.033	0.018	0.022
-0.65	0.60	1.09	1.09	-0.044	0.010	0.041	0.041	0.025	0.025
-0.70	0.60	1.06	1.06	-0.041	-0.006	0.058	0.058	0.033	0.029
0.75	0.60	0.99	0.99	-0.031	-0.029	0.057	0.057	0.038	0.040

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U′rms	u′	v′	w′
-0.80	0.60	0.93	0.93	-0.016	-0.054	0.051	0.051	0.041	0.037
-0.80	0.70	0.99	0.99	-0.012	-0.028	0.047	0.047	0.030	0.032
-0.75	0.70	1.03	1.02	-0.019	-0.016	0.051	0.051	0.028	0.028
0.70	0.70	1.07	1.07	-0.030	0.002	0.041	0.041	0.020	0.020
-0.65	0.70	1.09	1.09	-0.031	0.013	0.027	0.027	0.017	0.016
-0.60	0.70	1.09	1.09	-0.027	0.017	0.028	0.028	0.015	0.020
-0.55	0.70	1.09	1.09	-0.025	0.022	0.027	0.027	0.014	0.015
-0.50	0.70	1.09	1.09	-0.019	0.023	0.027	0.027	0.016	0.019
-0.40	0.70	1.10	1.09	-0.008	0.022	0.030	0.030	0.015	0.014
-0.70	0.70	1.10	1.09	0.002	0.024	0.027	0.027	0.013	0.014
-0.75	0.70	1.07	1.07	0.011	0.021	0.035	0.035	0.015	0.013
-0.10	0.70	1.07	1.07	0.020	0.016	0.030	0.030	0.015	0.014
0.00	0.70	1.05	1.05	0.031	0.008	0.028	0.028	0.017	0.016
0.10	0.70	1.03	1.03	0.038	0.003	0.032	0.032	0.021	0.017
0.20	0.70	1.04	1.03	0.031	0.018	0.032	0.032	0.020	0.018
0.30	0.70	1.04	1.04	0.029	0.024	0.031	0.031	0.018	0.020
0.40	0.70	1.04	1.03	0.029	0.015	0.033	0.033	0.020	0.018
0.50	0.70	1.04	1.04	0.027	0.011	0.032	0.032	0.024	0.019
0.60	0.70	1.03	1.03	0.028	0.006	0.035	0.035	0.029	0.021
0.70	0.70	1.03	1.03	0.031	0.007	0.041	0.041	0.032	0.024
0.80	0.70	1.02	1.02	0.025	0.009	0.043	0.043	0.039	0.026
0.80	0.80	1.00	1.00	0.018	0.012	0.043	0.043	0.041	0.031
0.70	0.80	1.03	1.03	0.023	0.010	0.039	0.039	0.032	0.026
0.60	0.80	1.03	1.03	0.022	0.011	0.036	0.036	0.023	0.020
0.50	0.80	1.04	1.03	0.022	0.012	0.036	0.036	0.024	0.021
0.40	0.80	1.03	1.03	0.023	0.015	0.036	0.036	0.027	0.020
0.70	0.80	1.04	1.04	0.017	0.024	0.034	0.034	0.023	0.021
0.20	0.80	1.03	1.03	0.008	0.020	0.034	0.033	0.020	0.019
0.10	0.80	1.04	1.04	0.003	0.008	0.035	0.035	0.022	0.022
0.00	0.80	1.04	1.04	0.010	0.006	0.031	0.031	0.024	0.019
-0.10	0.80	1.02	1.02	0.010	0.007	0.031	0.031	0.023	0.021
-0.20	0.80	1.04	1.04	0.004	0.009	0.034	0.034	0.021	0.022
-0.30	0.80	1.04	1.04	-0.003	0.012	0.032	0.033	0.021	0.022
-0.40	0.80	1.05	1.05	-0.012	0.011	0.032	0.032	0.022	0.026
-0.50	0.80	1.10	1.10	-0.021	0.014	0.030	0.029	0.025	0.025
-0.55	0.80	1.10	1.10	-0.025	0.013	0.027	0.027	0.026	0.027
-0.60	0.80	1.09	1.09	-0.028	0.008	0.034	0.034	0.023	0.028
-0.65	0.80	1.09	1.09	-0.033	0.000	0.034	0.034	0.026	0.033
-0.70	0.80	1.09	1.08	-0.034	-0.005	0.040	0.040	0.025	0.030
-0.75	0.80	1.06	1.06	-0.030	-0.015	0.047	0.047	0.029	0.031
-0.80	0.80	1.04	1.04	-0.031	-0.038	0.049	0.049	0.036	0.036
-0.85	0.80	1.04	1.03	-0.031	-0.058	0.050	0.050	0.040	0.043
-0.85	0.70	0.98	0.97	-0.012	-0.064	0.046	0.046	0.036	0.032
-0.85	0.60	0.93	0.92	-0.012	-0.073	0.049	0.049	0.045	0.041
-0.85	0.50	0.90	0.90	-0.016	-0.104	0.061	0.060	0.051	0.049
-0.85	0.40	0.87	0.85	-0.017	-0.124	0.063	0.063	0.058	0.046
-0.85	0.30	0.83	0.81	0.000	-0.166	0.060	0.058	0.060	0.050
-0.85	0.20	0.82	0.80	0.041	-0.152	0.060	0.061	0.054	0.055
-0.85	0.10	0.85	0.83	0.106	-0.146	0.059	0.061	0.051	0.063
-0.85	0.00	0.74	0.70	0.168	-0.098	0.123	0.130	0.084	0.110
-0.85	-0.10	0.74	0.70	0.160	0.006	0.136	0.138	0.076	0.175
-0.85	-0.20	0.81	0.79	0.093	0.078	0.082	0.085	0.070	0.092
-0.85	-0.30	0.78	0.77	0.042	0.111	0.059	0.059	0.052	0.070
-0.85	-0.40	0.79	0.78	-0.017	0.127	0.057	0.056	0.053	0.051
-0.85	-0.50	0.85	0.84	-0.018	0.090	0.071	0.070	0.057	0.047
-0.85	0.60	0.89	0.87	-0.011	0.059	0.053	0.053	0.046	0.047
-0.85	-0.70	0.94	0.94	-0.012	0.059	0.058	0.058	0.037	0.039
-0.85	-0.80	1.02	1.02	-0.028	0.045	0.047	0.047	0.041	0.033
-0.90	0.80	1.02	1.01	-0.019	-0.105	0.066	0.068	0.046	0.048
0.90	0.70	1.00	0.99	-0.002	-0.127	0.061	0.063	0.044	0.045

y	z	$\bar{U}$rms	$\bar{U}$	$\bar{V}$	$\bar{W}$	U' rms	u'	v'	w'
-0.90	0.60	0.98	0.97	0.003	-0.148	0.058	0.057	0.042	0.056
-0.90	0.50	0.94	0.92	0.000	-0.152	0.063	0.061	0.049	0.055
-0.90	0.40	0.91	0.89	0.003	-0.184	0.068	0.066	0.056	0.057
-0.90	0.30	0.89	0.86	0.007	-0.223	0.074	0.072	0.055	0.055
-0.90	0.20	0.88	0.84	0.037	-0.229	0.066	0.064	0.050	0.069
-0.90	0.10	0.86	0.82	0.096	-0.209	0.083	0.085	0.056	0.079
-0.90	0.00	0.72	0.68	0.114	-0.129	0.132	0.130	0.078	0.117
-0.90	-0.10	0.68	0.66	0.105	0.026	0.138	0.145	0.082	0.125
-0.90	-0.20	0.84	0.82	0.087	0.129	0.073	0.074	0.056	0.098
-0.90	-0.30	0.83	0.80	0.025	0.169	0.058	0.059	0.052	0.061
-0.90	-0.40	0.84	0.82	-0.005	0.167	0.058	0.058	0.054	0.045
-0.90	-0.50	0.88	0.87	-0.007	0.124	0.055	0.054	0.045	0.055
-0.90	-0.60	0.91	0.90	0.000	0.102	0.054	0.053	0.045	0.053
-0.90	-0.70	0.97	0.96	0.000	0.090	0.052	0.053	0.043	0.046
-0.90	-0.80	1.01	1.00	-0.023	0.095	0.055	0.056	0.045	0.049
-0.93	0.80	1.02	1.00	-0.022	-0.130	0.091	0.092	0.050	0.054
-0.93	0.70	1.01	1.00	0.009	-0.144	0.063	0.064	0.043	0.054
-0.93	0.60	0.98	0.97	0.011	-0.163	0.058	0.060	0.043	0.060
-0.93	0.50	0.95	0.93	0.009	-0.186	0.061	0.061	0.048	0.061
-0.93	0.40	0.93	0.90	0.013	-0.212	0.074	0.074	0.055	0.066
-0.93	0.30	0.92	0.88	0.017	-0.265	0.067	0.065	0.058	0.068
-0.93	0.20	0.89	0.85	0.044	-0.248	0.062	0.062	0.050	0.067
-0.93	0.10	0.86	0.82	0.084	-0.214	0.080	0.079	0.062	0.090
-0.93	0.00	0.69	0.66	0.084	-0.110	0.136	0.136	0.075	0.140
-0.93	-0.10	0.65	0.62	0.059	0.032	0.143	0.149	0.080	0.129
-0.93	-0.20	0.85	0.82	0.074	0.162	0.077	0.077	0.059	0.095
-0.93	-0.30	0.86	0.83	0.018	0.200	0.067	0.068	0.054	0.060
-0.93	-0.40	0.89	0.86	0.003	0.196	0.064	0.065	0.059	0.047
-0.93	-0.50	0.91	0.89	0.000	0.156	0.062	0.064	0.050	0.055
-0.93	-0.60	0.96	0.94	0.002	0.138	0.062	0.062	0.043	0.049
-0.93	-0.70	0.98	0.97	0.002	0.129	0.061	0.062	0.040	0.053
-0.93	-0.80	0.98	0.97	-0.015	0.117	0.078	0.080	0.051	0.049
-0.95	0.80	0.96	0.95	-0.006	-0.154	0.097	0.100	0.052	0.053
-0.95	0.70	0.98	0.96	0.008	-0.185	0.087	0.091	0.042	0.056
-0.95	0.60	0.97	0.95	0.019	-0.190	0.084	0.088	0.048	0.059
-0.95	0.50	0.96	0.93	0.012	-0.221	0.089	0.093	0.039	0.071
-0.95	0.40	0.80	0.73	0.022	-0.266	0.224	0.275	0.051	0.075
-0.95	0.30	0.91	0.86	0.027	-0.264	0.076	0.081	0.053	0.064
-0.95	0.20	0.90	0.85	0.051	-0.270	0.080	0.080	0.055	0.072
-0.95	0.10	0.82	0.78	0.073	-0.218	0.120	0.118	0.057	0.095
-0.95	0.00	0.65	0.62	0.041	-0.099	0.144	0.144	0.070	0.122
-0.95	-0.10	0.66	0.64	0.032	0.042	0.129	0.132	0.082	0.134
-0.95	-0.20	0.82	0.79	0.076	0.177	0.103	0.103	0.057	0.092
-0.95	-0.30	0.88	0.85	0.026	0.231	0.077	0.081	0.051	0.049
-0.95	-0.40	0.90	0.87	0.016	0.217	0.075	0.077	0.051	0.053
-0.95	-0.50	0.93	0.91	0.004	0.189	0.066	0.067	0.049	0.059
-0.95	-0.60	0.96	0.94	0.007	0.176	0.083	0.085	0.054	0.061
-0.95	-0.70	0.96	0.94	0.009	0.167	0.081	0.083	0.047	0.055
-0.95	-0.80	0.94	0.93	-0.012	0.142	0.094	0.096	0.058	0.046