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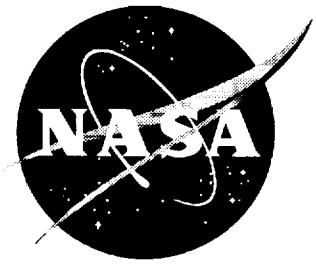

Aerodynamic Flow Field Measurements for Automotive Systems

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AERODYNAMIC FLOW FIELD MEASUREMENTS FOR AUTOMOTIVE SYSTEMS

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Summary

Three separate experiments were performed using full-coincidence three-component laser velocimeter (LV) systems. The experiments provide a database that can be used to verify computational fluid dynamic (CFD) methods used to predict the heating and cooling requirements in automobile air handling systems. The flow fields in the engine compartment while the engine was running, the air-conditioning duct, and the vehicle interior were measured.

Introduction

The design of a modern automotive air handling system is a complex task. The system is required to bring the interior of the vehicle to a comfortable level in as short a time as possible. This is made difficult by the divergent requirement of operating a vehicle in either arctic or tropical climates and the subjective nature of human physical response to comfort level. A goal of the automotive industry is to predict the interior climate of an automobile or other vehicle using advanced computational fluid dynamic (CFD) methods. The development of these advanced prediction tools will enable better selection of engine and accessory components. The goal of this investigation was to provide accurate flow field velocity data to compare with the state-of-the-art prediction methods used by the automotive industry. These interior climate prediction methods also have applications to military vehicles.

To accomplish this task three separate experiments were performed. The first was a laboratory setup where laser velocimeter (LV) flow field measurements were made in the heating and air conditioning unit of a Ford Windstar. The second involved flow field measurements in the engine compartment of a Ford Explorer, with the engine running at idle. The third mapped the flow field exiting the center dashboard panel vent inside the Explorer, while the circulating fan operated at 14 volts. All three experiments utilized full-coincidence three-component LV systems. This enabled the mean and fluctuating velocities to be measured along with the Reynolds stress terms. The LV system is one of the few instruments capable of obtaining velocity measurements in flow fields with reverse flows, large shear gradients and velocity fluctuations.

Symbols and Abbreviations

Values are given in the International System of Units (SI) often with equivalent values given in U.S. Customary Units.

S_t Stokes number

X	distance in the streamwise direction, m
Z	distance in the vertical direction, m
Y	distance in the transverse or lateral direction, m
U	instantaneous velocity in the streamwise, direction, m/sec
$\overline{U}$	mean velocity in the streamwise, direction, m/sec
V	instantaneous velocity in the vertical direction, m/sec
$\overline{V}$	mean velocity in the vertical direction, m/sec
W	instantaneous velocity in the transverse or lateral direction, m/sec
$\overline{W}$	mean velocity in the transverse or lateral direction, m/sec
ρ	density
U', V', W'	velocity fluctuations, m/sec
$\overline{U'V'}, \overline{V'W'}, \overline{U'W'}$	Reynolds shear stresses, m/sec
σ or std	standard deviation
sqrt	square root
x	input sequence
n	number of elements in x
i	increment
μ or mean	sum { x [i] } / n
Kurtosis	4th moment about mean
Skew	3rd moment about mean
m	meters
sec	seconds
Hz	Hertz or cycles/sec
MHz	10^6 Hertz
Vel	Velocity, m/sec
λ	Wavelength of Laser beam, m
θ	crossbeam angle, degrees
Fd	Frequency of Doppler burst, Hz
Fb	Effective Bragg frequency, Hz

Subscripts:

p	particle
i	increment

Superscripts:

'	fluctuating quantity
^	rise to the nth power
-	mean quantity

Description of Experiments

Air Conditioning Duct

Duct Assembly

The heating and air conditioning duct assembly of a Ford Windstar was mounted upside down to provide optical access. A sketch of the duct assembly in the upright position is shown in figure 1. The re-circulation doors were replaced by 3/32-inch thick glass windows shown in figure 2. Glass windows were also installed down-stream of the fan where the fan speed voltage dropping resistors are normally mounted. This provided the required optical access for the LV measurements at the fan inlet and exit. The climate control values were set for defrost and measurements were made with and without the fresh air duct assembly attached. Three different speed settings were investigated by operating the fan voltage settings of 6, 12, and 14volts. The fan speed was measured with a General Radio Co. *Strobotac type 1531* at voltage settings from 4 to 15 volts in 1 volt steps with and without the fresh air duct attached. A fan speed calibration was obtained by curve fitting the results as shown in figure 3.

Laser Velocimeter System:

The LV system was an orthogonal crossed-fringe configuration with the receive optics mounted 90° off-axis. The 514.5, 496.5, and 476.5 nanometer wavelengths from an Argon-Ion laser were used to measure the lateral (V), vertical (W), and streamwise (U) velocity components respectively. The scattered light from the U, V components was received by the w optics package and the scattered light from the W component was received by the U, V optics package (figure 4). Bragg cells were used to provide directional measurement capability in all three velocity components. Both optics packages used 500-mm focal length lenses, which along with an input beam diameter of 1.5-mm and beam expansion of 2.27, generated a sample volume calculated to be approximately 90 to 100-μm in diameter and spherical in shape. The optics and laser moved as a unit on a traversing system that provided 1 meter of travel, with 10-μm resolution in all three axes. A detailed description of an LV system of similar design is provided in reference 1. Figure 5 is a photograph of the LV system and ductwork installed in the laboratory.

The inlet air to the duck work was seeded with monodisperse 0.86-μm polystyrene latex microspheres. The seed particles were suspended in 100-proof alcohol and sprayed into a channeling duct that vents at the fresh air inlet duct. The use of the channeling duct allowed the alcohol to evaporate leaving the seed particles to be ingested into the fresh air inlet. The particles were fabricated at NASA Langley using the technique described by Nichols in reference 2.

The ability of a particle to track the streamlines in the flow field, and thus the ultimate accuracy of the LV, is related to the size of the particle. Theoretical predictions of particle trajectories in swirling flows were reported by Dring and Suo in reference 3. They concluded that the particle trajectory in a free vortex swirling flow is governed by the Stokes number (S_t) and when the Stokes number is less than 0.01, the particle will follow the circular streamlines of a free vortex. The 0.86-μm particles used in this test, have a density $\rho_p = 1.04996$ g/cm^3 and a Stokes number less than 0.01 and will yield a tracking fidelity sufficient to follow the

streamlines of the flows at the measurement locations in this test.

The LV data acquisition system software for this test was written in Labview so that it could be run on multiple platforms including Macintosh, IBM PC's or compatibles, and HP RISC workstations. For this series of tests a 486 PC was used. The acquisition system is highly automated and can obtain velocity measurements in either an automated, step, or manual mode. In the automated mode of operation, the system can survey an entire cross flow plane in a completely automated fashion, based on a previously generated file of grid coordinates. In the step mode of operation, the position of the sample volume is read from the grid file, but the system pauses at the new location until an acquire data command is input from the keyboard. This mode is typically used when measuring velocities in difficult regions where the instrumentation must be checked to verify the processing of valid signals. The manual mode allows the operator to manually input the desired X,Y,Z locations, acquire the data, and then store the data if desired.

The light scattered from the particles passing through the sample volume is collected by the receiving optics and imaged onto the photo-detectors, which convert it to electrical signals. The signals from the photo-detectors are input to the LV signal processors where the frequency of the light scattered from the particles is determined and the signals verified. Macrodyne Frequency Domain Processors (FDPs) were used for the Fan-inlet case, and Macrodyne burst counters for the Fan-outlet case. A calibration of the signal processors was reported in reference 4. The data are then transferred to the Laser Velocimeter Autocovariance Buffer Interface (LVABI) for temporary storage during the acquisition cycle. The LVABI is described in detail in reference 5. Each velocity channel has a companion interarrival time channel that measures the time between successive velocity measurements. The LVABI provides a maximum of 64K words of storage per channel and can set the coincidence parameters. The actual buffer size is programmable from 1 to 64K and for this test it was set to 1,000 full coincidence measurements. When the desired number of measurements was acquired, or the acquisition time (typically two minutes for this test) had elapsed, the acquired velocity and interarrival time data for each velocity component was transferred to the host computer via a IEEE bus to the PC for on-line processing and storage.

The computer converts the frequency measurements to velocity and performs any necessary coordinate transformations. The statistical moments of the velocity samples are calculated on-line and include the mean, standard deviation, kurtosis, and skew. The Reynolds stresses or cross-product terms such as U'V', V'W', and U'W' are calculated off-line and stored. The on-line data was displayed as histograms of each velocity component and as a color velocity vector map. The color velocity vector map uses the mean values of the vertical (W) and transverse (V) components to determine the length and direction of the vector and the streamwise (U) for the color of the vector. The vectors are drawn as color arrows scaled to and with the origin at the Y, Z coordinates. All data both raw and processed are stored on disk in binary, data-log and ASCII spreadsheet.

Engine Compartment

Test Setup:

A 1994 Ford Explorer was placed in an air conditioned laboratory and operated at idle with the engine exhaust vented to the outside. The hood was modified to include two glass windows to provide optical access for the LV system to make velocity surveys in the engine compartment. A computer rendering of the Explorer with the hood modification is shown in figure 6.

Laser Velocimeter System

The three component orthogonal LV system used in the duct test was modified to incorporate fiber optic linking of the transmit optics. The optics were rotated 45° about the Y-axis in the X plane, with the receiver optics combined into one package and mounted on the vertical at 45° to each transmit package. A drawing of the optical configuration is shown in figure 7. This optical configuration allowed the LV optics to be mounted on a rail cantilevered off the scan system and over the hood of the Explorer as shown in figure 8. The configuration also allowed the LV optics to image through a single window as shown in figure 9. Due to the continuous sloping of the glass window relative to the LV optics, the optics were aligned through the glass and optical parameters, such as cross beam angle, were measured after passage through the window. The sample volume was calculated to have an effective diameter of approximately 180 microns. The rest of the system was essentially the same with burst counters used as the LV signal processors.

The optics are set at 45°, (45° between the V and W components) therefore, the rotation angle "b" in the software is set at 45 degrees. This transforms the data back to the standard coordinate system before the data is reduced and plotted. The system is aligned such that -X,-U is toward the front of car and +X,+U is toward the rear of the car. The -V,-Y axis is toward the drivers side and +V,+Y is toward the passenger side. The +W,+Z axis is up and -W,-Z is down. The scan system and optics were leveled to ±0.1 minutes with a clinometer.

The seed material was 0.95-μm monodisperse polystyrene latex suspended in 100 proof alcohol. It was sprayed in front of the Explorer and allowed to be drawn into the engine compartment by the radiator fan. The radiator and fan were cleaned between each survey to prevent any build up of seed material.

Interior Compartment

Test Setup

The objective was to obtain velocity data in cross-flow planes ranging from the exit of the center panel vent to the front seat back. The environmental flow control was set to the panel position, which directs most of the flow to the four vents in the dash. All four vents were aligned to blow straight and level towards the rear of the vehicle. A DC power supply was used to power the circulation fan at 14volts. An air scoop was assembled over the fresh air intake on the hood to direct the seed particles to the intake. It was sized large enough that it would not restrict the airflow in the fresh air intake. The rear window on the driver's side was lowered

one inch to allow access for the LV system cabling. The window was then sealed with duct seal and tape. The rear seats were in the down or stowed position.

Laser Velocimeter System

A special LV system was constructed to make the velocity surveys in the small confines of the vehicle interior. Two 25-mm diameter fiber optic probes were mounted in a 90°-90° orthogonal configuration. The focal length was set to 200 mm and the same wavelengths and Bragg settings of the other LV systems were used. The scattered light from the U, W probe was received by the V probe and the scattered light from the V probe was received by the U, W probe. This arrangement generated an effective spherical sample volume of approximately 180 microns in diameter. Again, the data was taken in a full coincidence mode using the same computer and software as the previous tests.

The probes were mounted on a small scan system constructed by using three linear slides mounted in an X,Y,Z configuration. The stepper motor driven slides were capable of 15-cm travel with ±1-micron resolution. An extra rail was added that allowed the probes to be manually repositioned along the X-axis thus increasing the X axis range. The system is aligned such that -X,-U is toward the front of car and +X,+U is toward the rear of the car equal distance from the sides. The -V,-Y axis is toward the drivers side and +V,+Y is toward the passenger side. The +W,+Z axis is up and -W,-Z is down. The scan system and optics were leveled to ±0.1 minutes with a clinometer. A photograph of the probes and scan system installed in the Explorer is shown in figure 10.

The seed material was 0.9 to 1.1-μm monodisperse polystyrene latex suspended in 100 proof alcohol. It was sprayed in front of the vehicle and allowed to be drawn into the fresh air intake through the air scoop by the circulation fan. The fan was removed and cleaned and the condenser coils blown out by an air gun between each cross flow plane to prevent any build up of seed material.

Processing and Errors

General Errors

The LV system is a highly accurate measurement system, but like any system it does have error sources. These include optical errors, electronic signal processing uncertainties, statistical errors, and the ability of the seed particles to follow the flow. These error sources have been addressed in numerous publications over the years. References 1, 3, 4, 6, 7 and 8 address similar systems or early versions of the systems used for these tests.

Major optical geometrical errors:

Positioning uncertainty, beam orientation, crossbeam angle, non-parallelism of fringes are the major optical errors.

The laser beams were collimated so that they focused at the sample volume making any errors from non-parallelism of fringes insignificant. The use of the described orthogonal configurations makes it easy to locate the center of the sample volume to 50μm or better. The scan system can position the sample volume to ±10μm or

better. With velocity gradients of less than 2m/sec/cm and a sample volume of 180μm or less the velocity uncertainties are less than the velocity resolution of the system and are not significant. The largest errors are in measuring the angle geometry of the laser beams. The focal length is measured over a 4 to 5m range and the beam centers located to within ±0.5mm. This results in a bias error of about ±0.5 percent in the velocity measurements.

Major Processor errors:

The major processor errors are clock synchronization, quantization, and electronic noise. All of these errors and the effects of noise on the performance of the processors are measured in the processor calibrations in Reference 4. All three systems used an effective Bragg shift of 5MHz. The maximum input frequency to the processors was 10MHz and the minimum was 0.2MHz. The percent error in frequency (Reference 4) for the counters at this frequency range is about 0.15 percent. Multiplying this times the velocity from the standard LV equation (1) using a nominal 5MHz and a cross beam angle of 5.6 degrees yields a counter resolution of 0.0383M/sec.

$$\mathrm{Vel} = \frac{\lambda(\mathrm{Fd} \pm \mathrm{Fb})}{2\mathrm{Sin}\,\theta/2} \qquad (1)$$

This compares to 0.0319M/sec using the least significant bit resolution of the counter. The percent deviation of the counters from reference 4 at this frequency range is about 0.65 percent. This yields a minimum measurable value of standard deviation of 0.166M/sec.

Seed-induced errors:

The seed-induced errors are particle lag, velocity bias, flow distortion from seed injection, and Bragg bias. Care was taken not to distort the inlet flows and only one measurement per burst was made thus eliminating Bragg bias. The Stokes number for the particles used in these tests is less than 0.01 which will follow velocity gradients of more than 100m/sec/cm to better than 1 percent. The low velocity gradients (<2m/sec/cm) and densely seeded in-trained flows should preclude any velocity bias. This allows the statistics to be calculated on the original ensembles.

Statistical errors:

The statistical uncertainties have been calculated on each measurement ensemble at each measurement point. The uncertainty in the mean may be calculated by equation (2) and the uncertainty in the standard deviation by equation (3) (reference 6).

$$\Delta\mu = \pm\frac{2\sigma}{\sqrt{n}} \qquad (2)$$

$$\Delta\sigma = \pm\sigma\sqrt{2/n}\ (1+E/2)^{1/2} \qquad (3)$$

Where:

σ = standard deviation
μ = mean
n = number of measurements
E = excess (or kurtosis - 3)

The number of measurements in each ensemble was generally 1000 before processing.

General Processing

The data was taken with and later post processed with software

written in Labview, an object oriented software language from National Instruments. A post-processing program was written that has several key features. First, it reads from the data log files the instantaneous U, V, and W velocity data ensembles along with the interarrival times. It displays the input U, V, W velocity data as histograms along with the mean and standard deviation values for each. Then the program runs a special clip routine that removed outliers based on the number of standard deviations selected. For these tests ±3 standard deviations were used. If a data point is clipped from one histogram then the corresponding point is removed from the other two histograms and its interarrival time is summed with the previous time thus preserving coincidence and timing information. The resultant data is displayed in three new histograms for comparison. The statistics are than calculated using Labview software routines and stored in a new ASCII spread sheet file. The statistics calculated for U, V, and W are mean, standard deviation, kurtosis, skew, and the Reynolds stress terms U'V', V'W', and U'W'. The mean data is displayed as a color vector plot and the processed data ensembles are stored in a new data log file. The following formulas are used by Labview to compute the statistics.

Standard deviation and mean

$$\sigma_x = \sqrt{\frac{1}{n}\sum_{i=0}^{n-1}(x_i-\mu)^2} \qquad (4)$$

$$\mu_x = \frac{1}{n}\sum_{i=0}^{n-1} x_i \qquad (5)$$

Kurtosis and Skew

$$\sigma_x^m = m^{th}\text{ - order moment}$$

$$\sigma_x^m = \frac{1}{n}\sum_{i=0}^{n-1}(x_i - \mu)^2 \qquad (6)$$

Reynolds shear stress

$$\overline{U'V'} = \frac{\sum_{i=0}^{n-1} U_i V_i}{n} - \overline{UV} \qquad (7)$$

Discussion of Results

Air-conditioning Duct

The objective of this test was to obtain velocity surveys in front of and behind the fan at several operating conditions. A survey plane 35 mm in front of the fan with a 0,0,0 location at 80 mm upstream of the fan spindle was established (Fig. 2). Typically 242 locations were surveyed in the Y,Z plane. The grid had 1 cm spacing above the 0,0,0 location and 25 mm spacing below. The higher resolution was used to better identify a swirl at the bottom of the fan inlet as mounted for this test. The duct assembly was mounted upside down to allow easier optical access and all data is shown in this upside down orientation. A second survey plane was established 13.5cm down-stream of the fan spindle with the 0,0,0 location 55 mm from the inside of the fan inlet and

16 mm above the center of the fan as mounted. Surveys were done at fan settings of 6 volts, 12 volts, and 14 volts with and without the fresh air duct attached. Examples of data at the 14 volt setting with the fresh air duct attached are shown in figure 11 (fan inlet), figure 12 (fan inlet below 0,0,0 location) and figure 13 (fan exit). These are color contour plots of U mean with velocity vectors of V mean and W mean. The origin of the vectors is the Y, Z location where the data was taken and the length and direction is the resultant magnitude. The inlet data in figures 11 and 12 shows a rather large V or lateral component probably due to the lack of any type of flow straighteners in the inlet duct. This along with an off center mounting of the fan might be contributing to the swirl. The outlet data shows the flow expanding into the asymmetrical duct leading to the evaporator core.

Engine Compartment

The 0,0,0 position location (X,Y,Z) for this test was established as the corner of the radiator flange on the driver's side. A notch was filed to establish a reference point (Fig. 14). Nine velocity surveys were measured on the driver's side of the engine in vertical planes every 5-cm starting at 9-cm from the reference point to 49-cm from the reference point. An extra plane was taken at 8.7-cm and another down in front of the fan at 10-cm for a total of eleven surveys. It should be noted that the engine is mounted 5° off level with the back lower than the front.

Examples of the data taken (contour plots of U mean with velocity vectors of V,W means) at the 9-cm position (Fig. 15) and in front of the fan (Fig.16) are shown. The survey grid has a triangular shape because of the orientation of the optics and the single window access. Missing data points are due to optical masking by engine components. The data rate usually 1000 coincidence measurements in 1.5 minutes dropped to 500 measurements in 5 minutes in some locations near the fire wall due to the difficulty in getting seed into the stalled flow areas of the engine compartment. The 9-cm location is between the radiator and the compressor. The data in figure 15 shows the blockage of the flow by the compressor and the flow exiting towards the wheel well. The bottom right hand side of the fan data in figure 16 shows the effect of getting very close (< 1 mm) to the idler pulley (not shown in rendering) due to the 5° tilt of the engine relative to the vertical scan.

Interior Compartment

Velocity surveys were made every 3-cm along the X axis starting at 3.5-cm from the center dash board vent to 21.5-cm from the vent, thereafter every 9-cm with the last survey at 66.5-cm from the vent. The 0,0,0 position was located at the bottom left corner of the center vent as viewed looking from the back to the front of the vehicle. Typically, 180 point grids in the vertical plane with measurements every 1-cm were surveyed. The grid ranged from 7-cm above to 4-cm below the 0,0,0 location and 3-cm to the left (driver's side) and 11-cm to the right (passenger side). The 2-cm overhang of the padded dash prevented any measurement closer than 3.5-cm without clipping a beam. LV Contour plots of U mean with velocity vectors of V and W means taken at the 6.5-cm and 21.5-cm locations along the X axis are shown in

figures 17 and 18. Color contour plots of the Reynolds stress terms U'V' and U'W' at the 6.5-cm and 21.5-cm locations are shown in figures 19, 20, 21, and 22. The data indicates that a vortex has formed on the bottom left hand side probably due to the fact that the ducting has to go up and than turns 90° and vents out inducing a swirl. To better visualize this, the U mean, V mean and W mean data at the 3.5-cm location is plotted in a 3D color contour format in figure 23. For an overall view of the flow from the vent, the data from all the X locations are plotted in figures 24 (U means), 25 (V means), and 26 (W means). The data indicates that the maximum velocity value for the cross plane peaks at 9.5-cm from the vent. The scan system configurations were checked to verify that the scan or optical mounts at this X location did not block another vent. At this stage of the data analysis it is speculated that flow from the interior of the vehicle is being entrained by the vortical flow of the measured vent.

Concluding Remarks

Three different LV tests were conducted that should be useful to those studying the flow patterns of heating and air conditioning systems and engine compartments of cars. The LV tests provide highly accurate comparison data for other techniques such as CFD modeling. Descriptions of the test setups and examples of the data attained have been presented. In addition an appendix is included. The appendix is a print out of the processed spreadsheet files from all three tests minus the kurtosis and skew data.

The data both raw and processed along with computer renderings of the setups and Labview programs capable of processing and displaying the data were supplied to the Ford group on CD-ROM.

Acknowledgments

A special thanks to Richard Schwartz for the computer renderings in this report and the ones supplied to Ford on the CD-ROMs.

References

1. Meyers, James F. and Hepner, Timothy E.: *Measurement of Leading Edge Vortices From a Delta Wing Using a Three Component Laser Velocimeter*, AIAA-88-2024, AIAA 15th Aerodynamic Testing Conference, San Diego, CA., May 1988.

2. Nichols, Cecil E. Jr.: *Preparation of Polystyrene Microspheres for Laser Velocimetry in Wind Tunnels*, NASA TM-89163, June 1987.

3. Dring, R. P. and Suo, M.: *Particle Trajectories in Swirling Flows*, Journal of Energy, Vol. 2, No. 4, July-August 1978.

4. Hepner, Timothy E.: *State-of-the-Art Laser Doppler Velocimeter Signal Processors: Calibration and Evaluation*, AIAA 94-0042, AIAA 32nd Aerospace Sciences Meeting & Exhibit, January 10-13, 1994, Reno, NV.

5. Cavone, A. A, Sterlina, P. S., Clemmons, J. I., Jr., and Meyers, J. F.: *A High-Speed Buffer for LV Data Acquisition*, Proceedings of the Second International Symposium on Applications of Laser Anemometry to Fluid Mechanics, Lisbon, Portugal, paper 2.1, 1987.

6. Meyers, James F.: *Applications of Laser Velocimetry to Large and Specialized Aerodynamic Tests,* TSI Quarterly, November/December 1979.

7. Neuhart, Dan H., Wing, David J., Henderson, Uleses C.: *Simultaneous Three-Dimensional Velocity and Mixing Measurements by Use of Laser Doppler Velocimetry and Fluorescence Probes in a Water Tunnel,* NASA TP-3454, September, 1994.

8. Meyers, James F.: *Biasing Errors and Corrections,* Laser Velocimetry, Volume 1, VKI, June 1991, pp. 23-36.

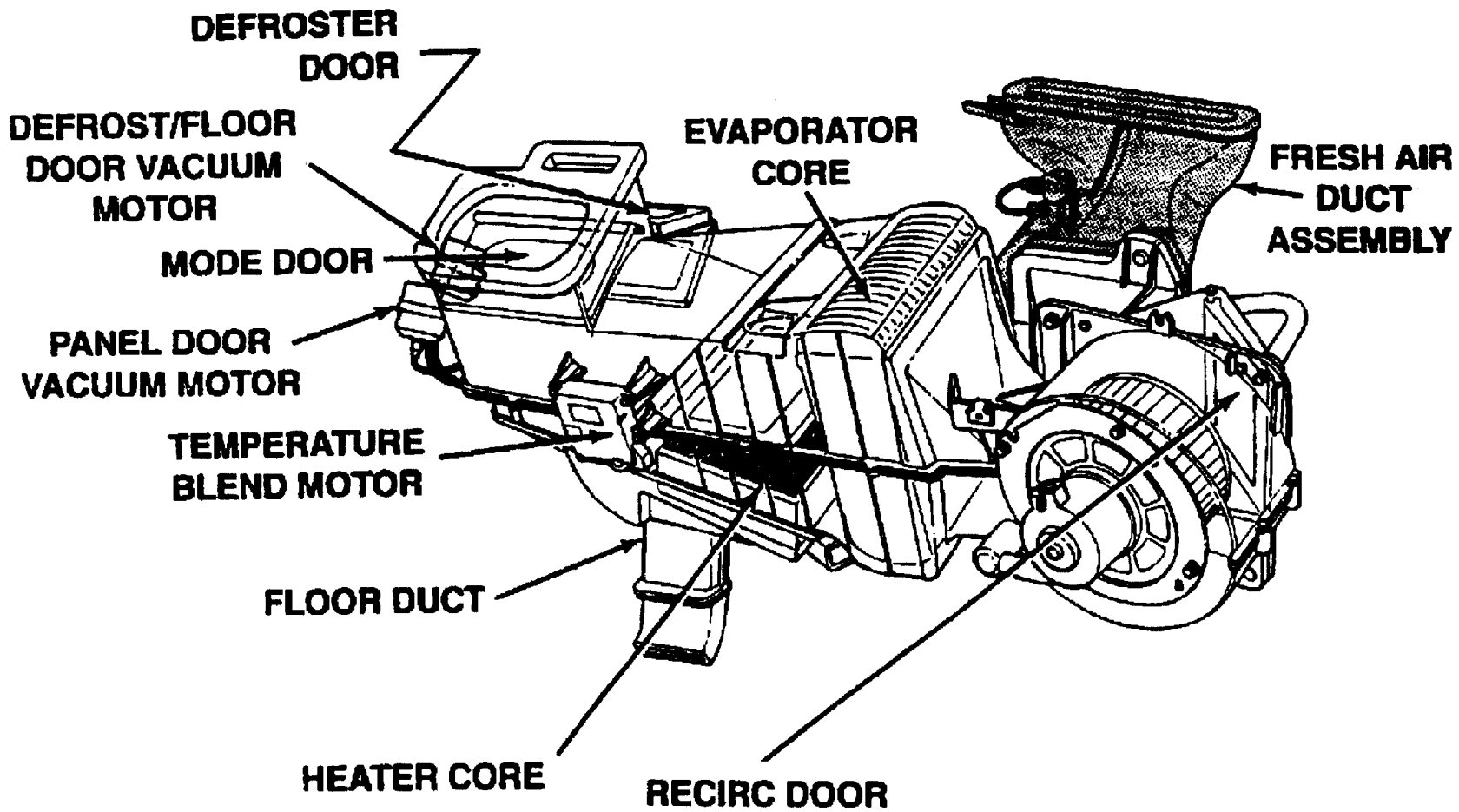

Figure 1. Drawing of Windstar Heating and air-conditioning unit.

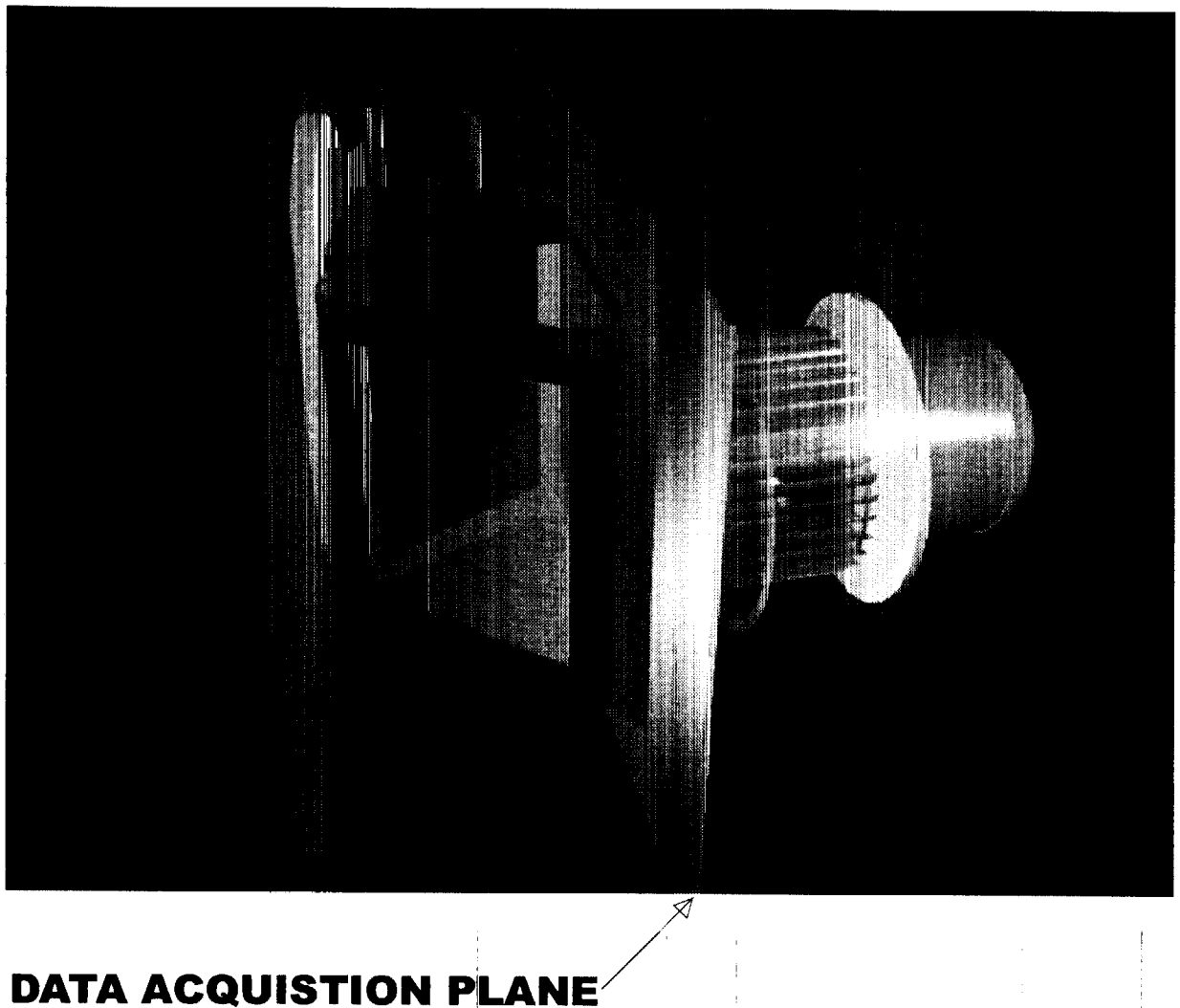

Figure 2. Computer rendering of duct showing data acquisition plane and glass inserts.

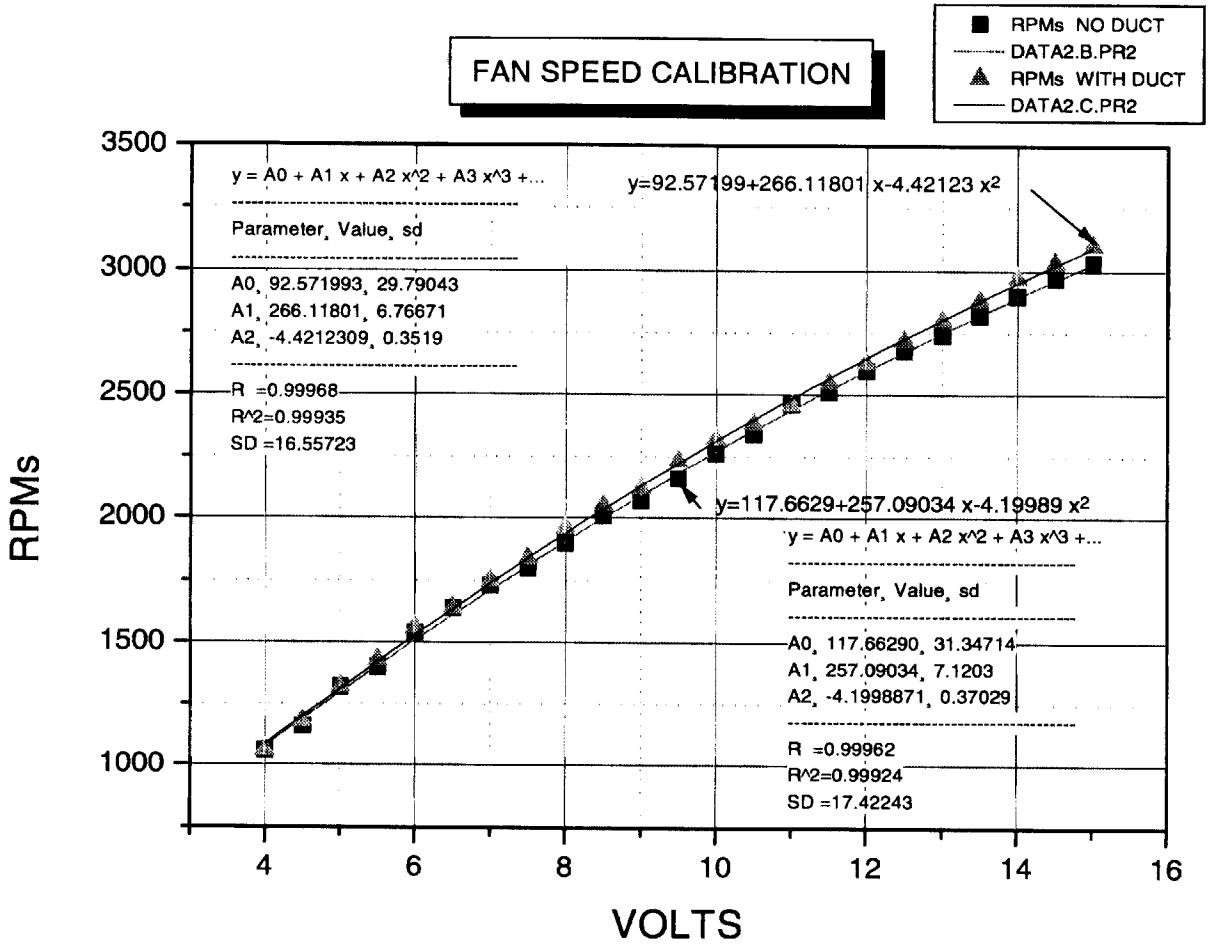

Figure 3. Plot of fan speed calibration, voltage vs. RPM with and without fresh air duct.

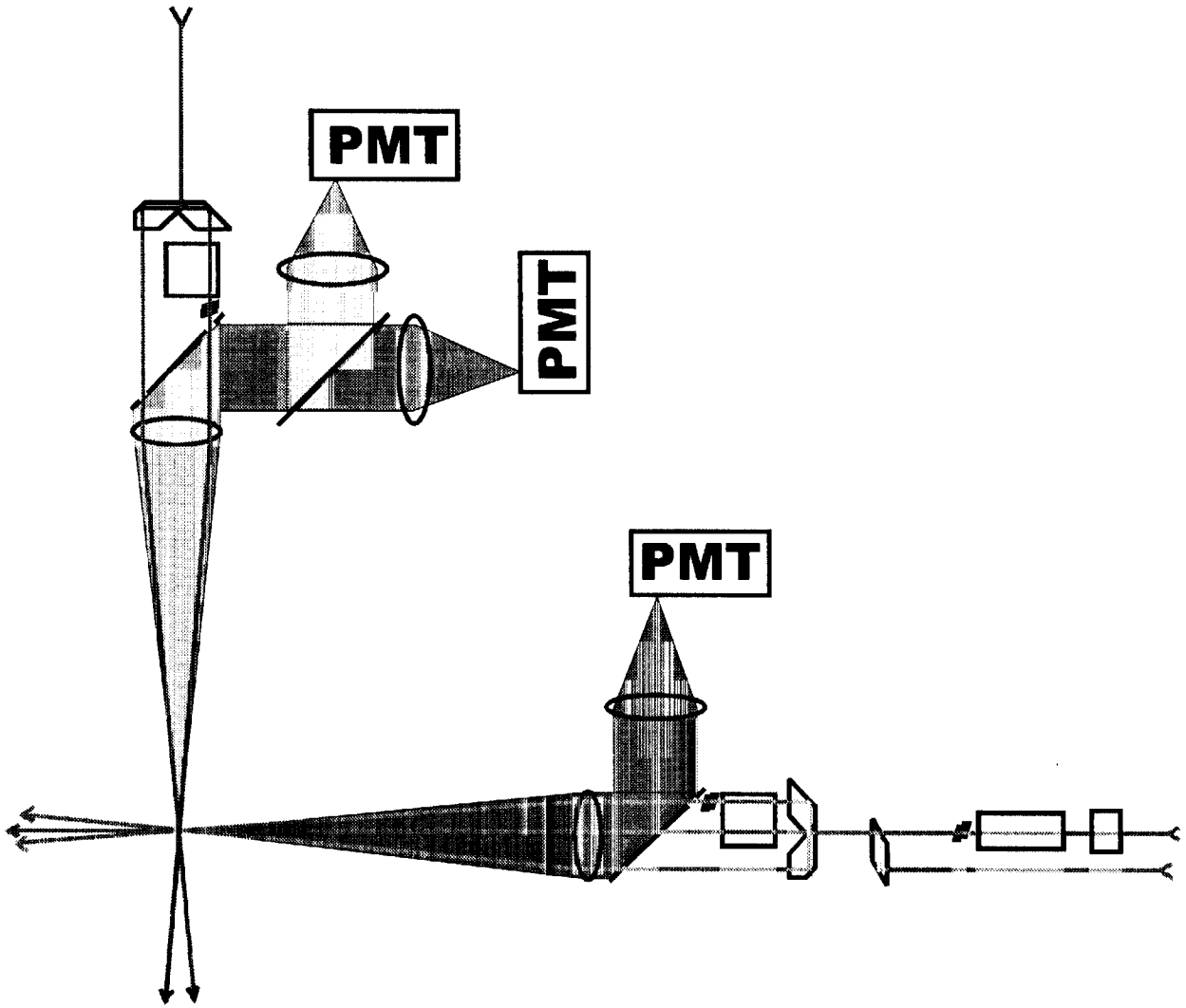

Figure 4. Drawing of 3-component LV optics in a 90°-90° configuration.

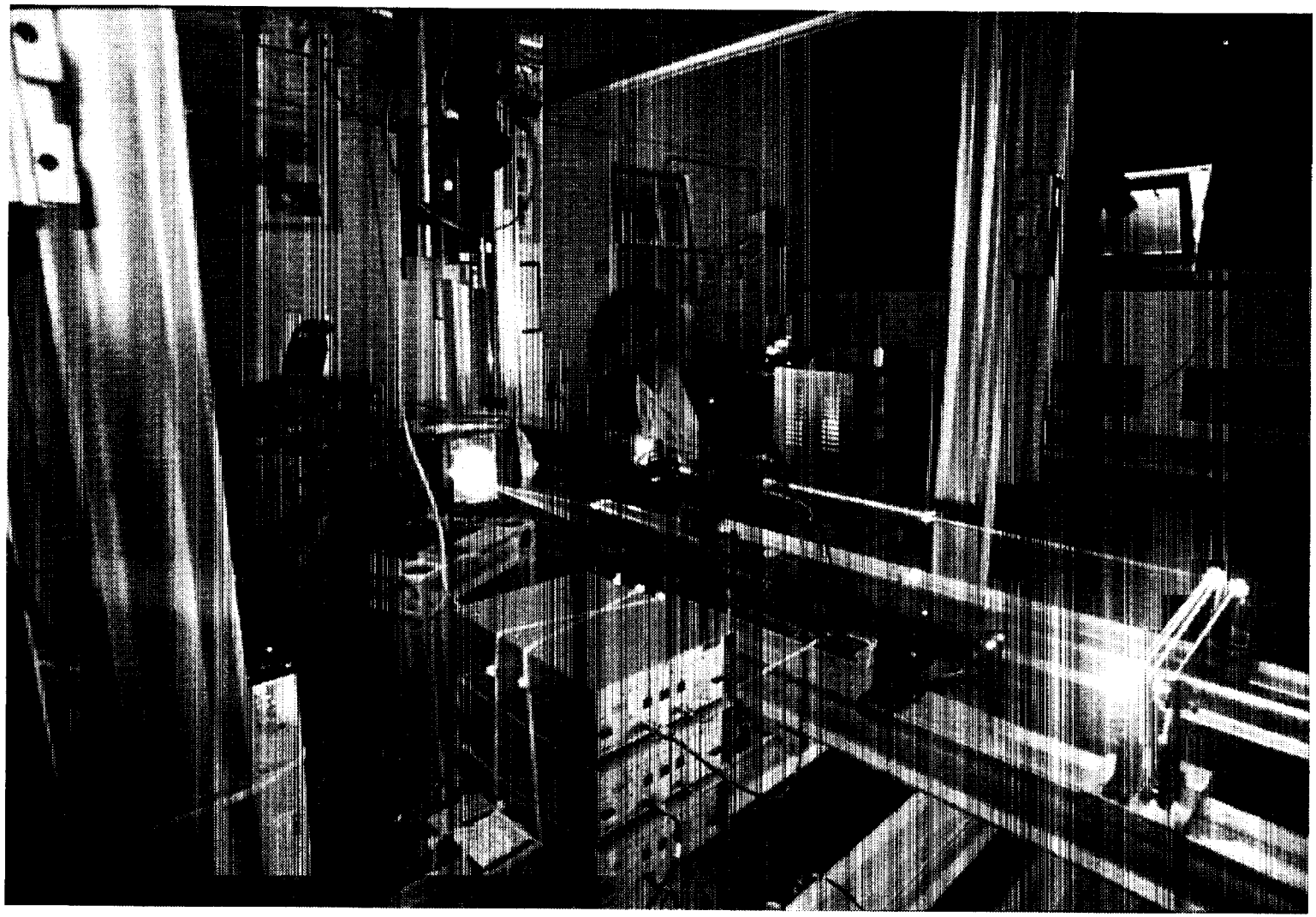

Figure 5. Photograph of LV setup in lab to measure flow in the Windstar ducting.

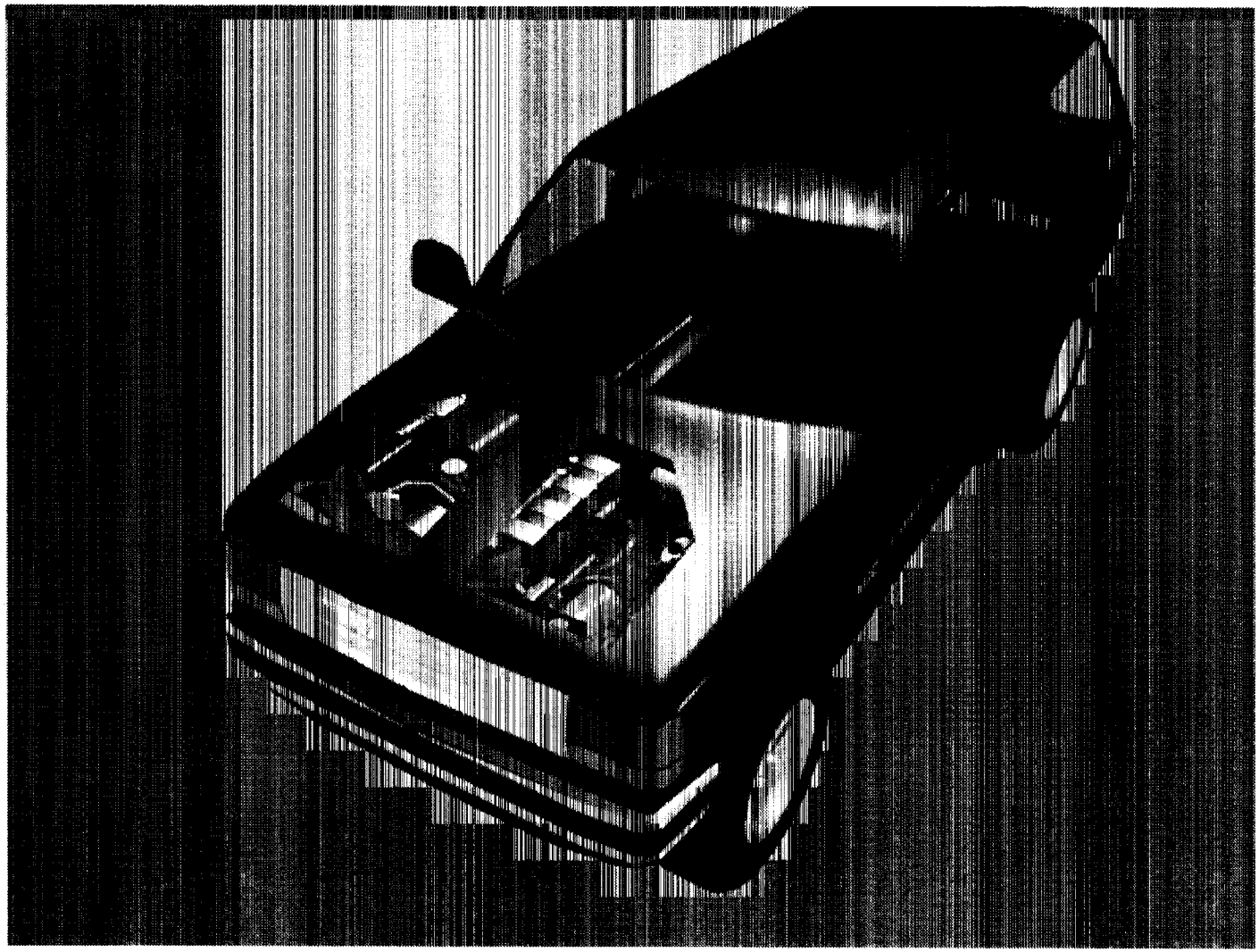

Figure 6. Computer rendering of Ford Explorer showing glass inserts in hood.

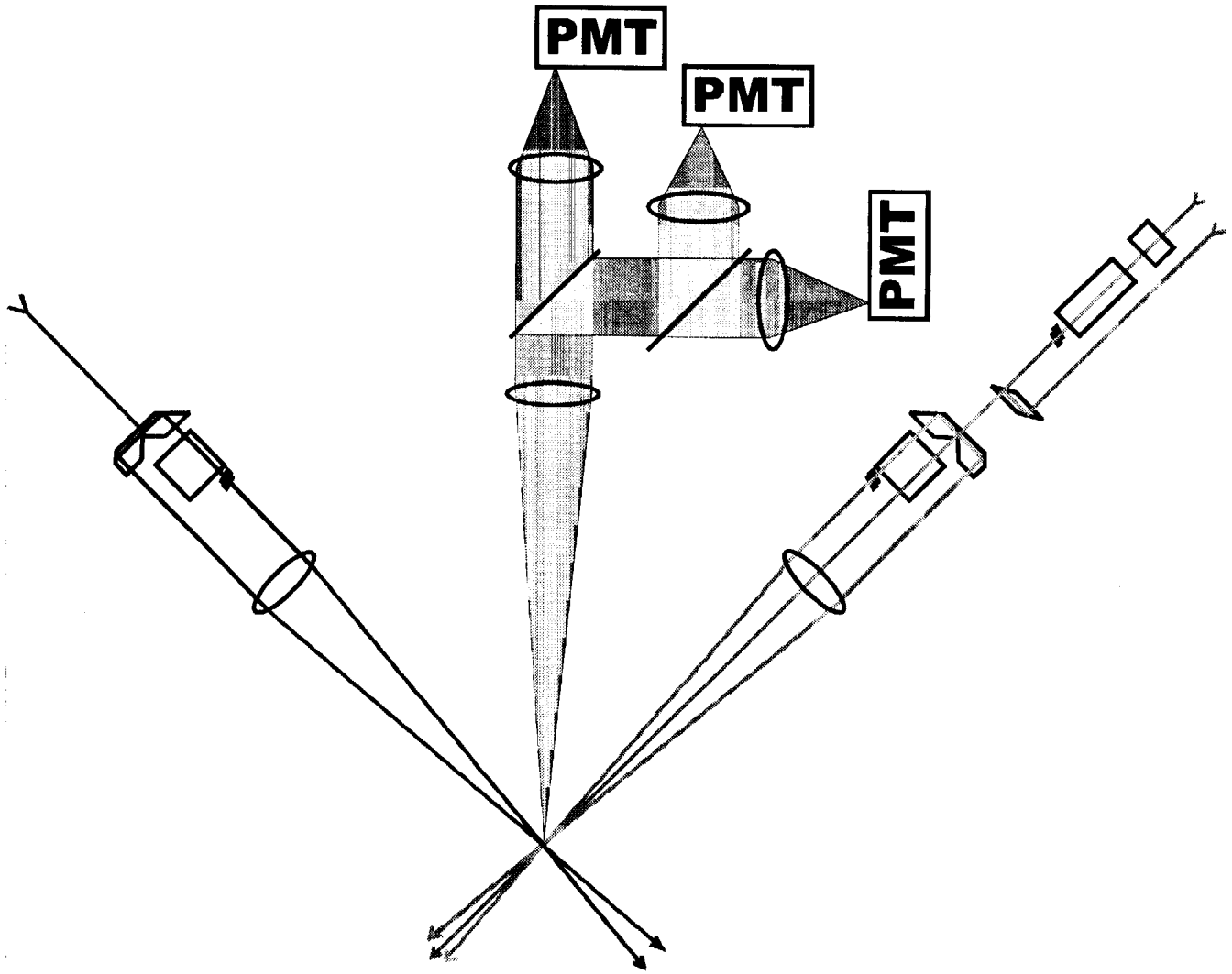

Figure 7. Drawing of 3-component LV optics used in engine compartment tests.

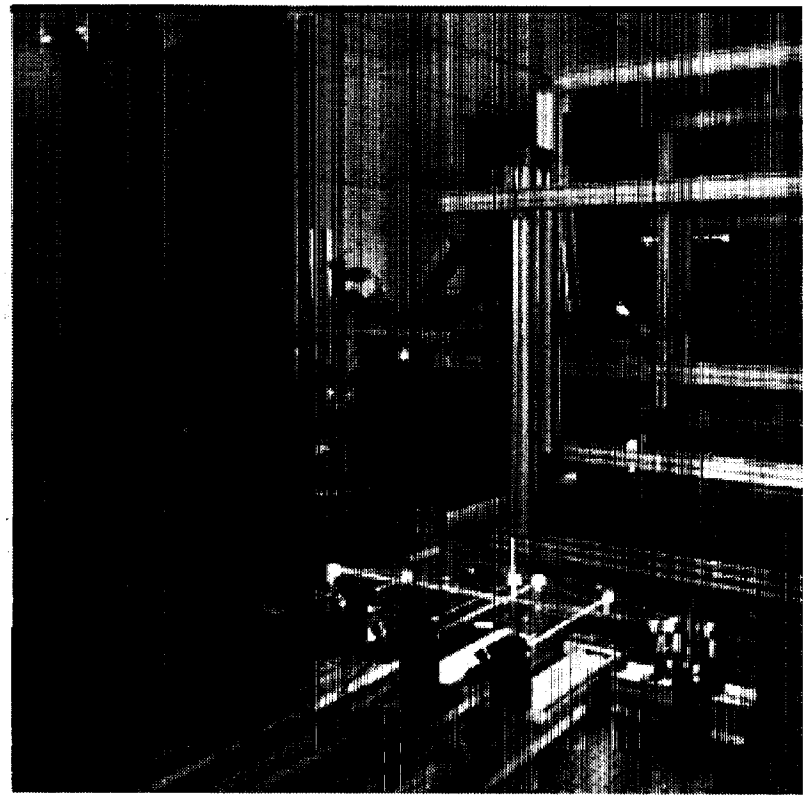

Figure 8. Photograph of 3-component LV system setup for measurements in the engine compartment.

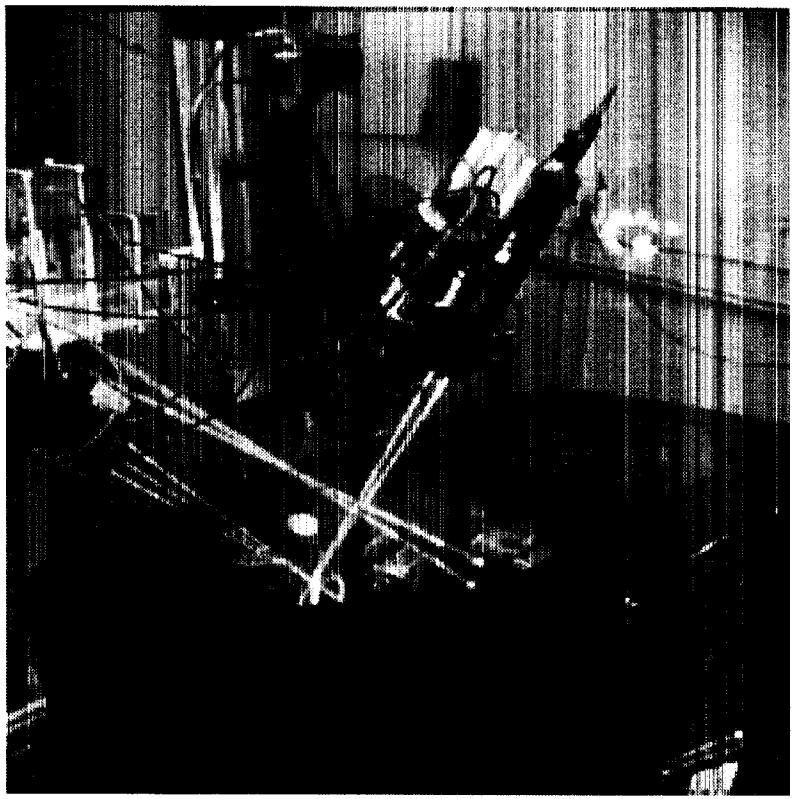

Figure 9. Photograph showing laser beams from LV system in Explorer engine compartment.

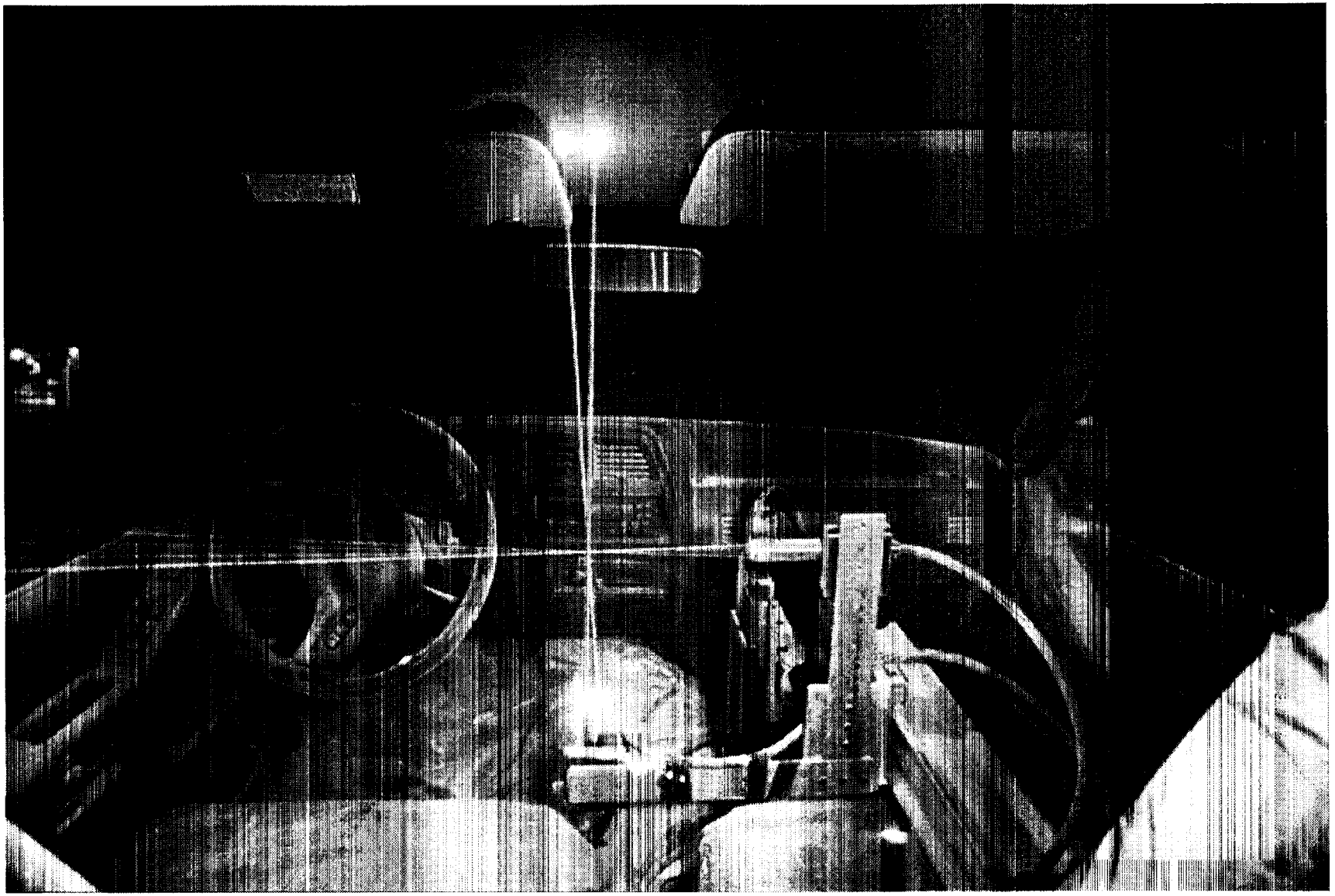

Figure 10. Photograph of 3-component LV system installed inside Explorer.

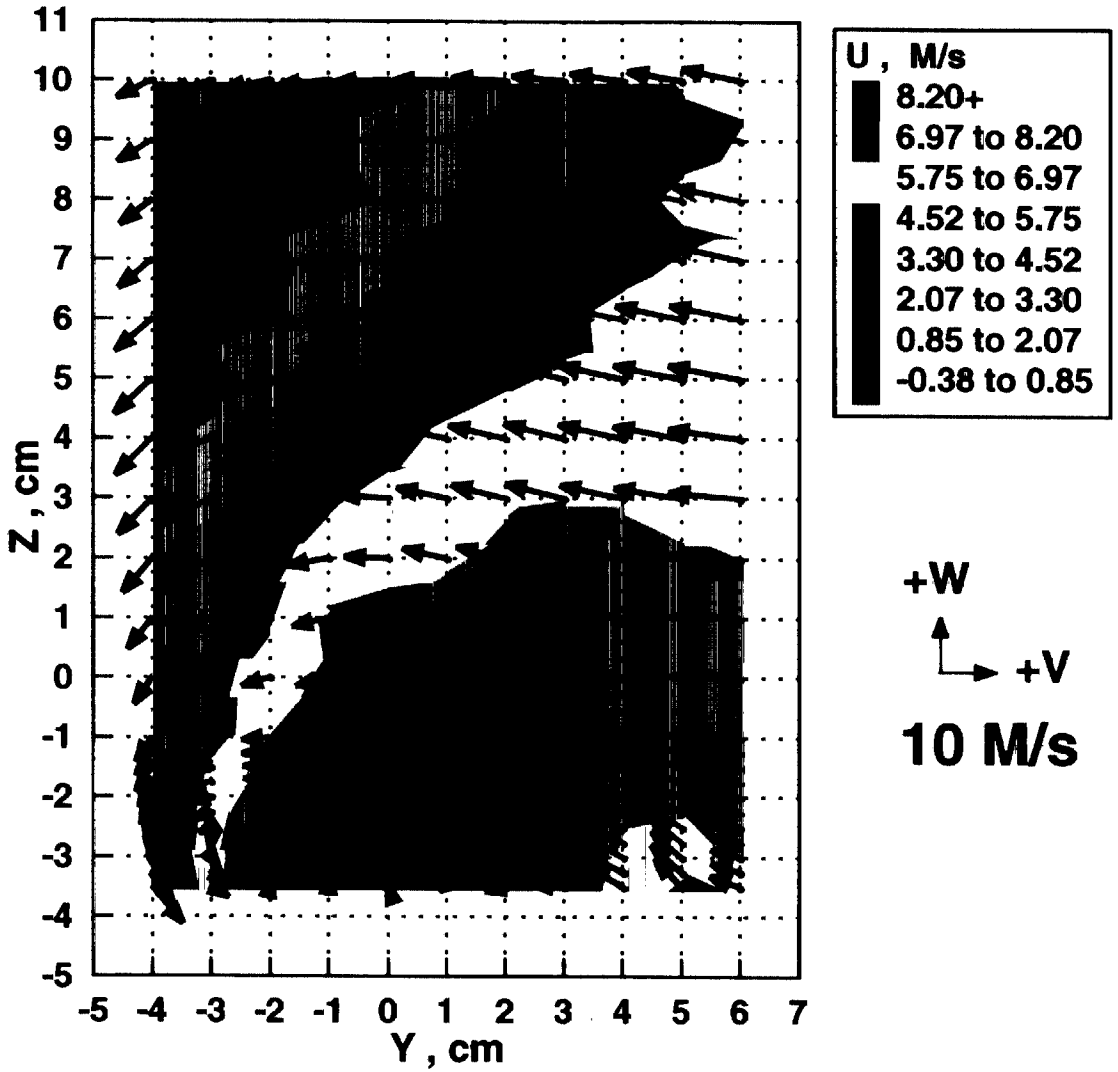

Figure 11. Contour plot of U mean with velocity vector plot of V,W means at 35mm upstream of fan inlet with fresh air duct attached and 14 volts applied.

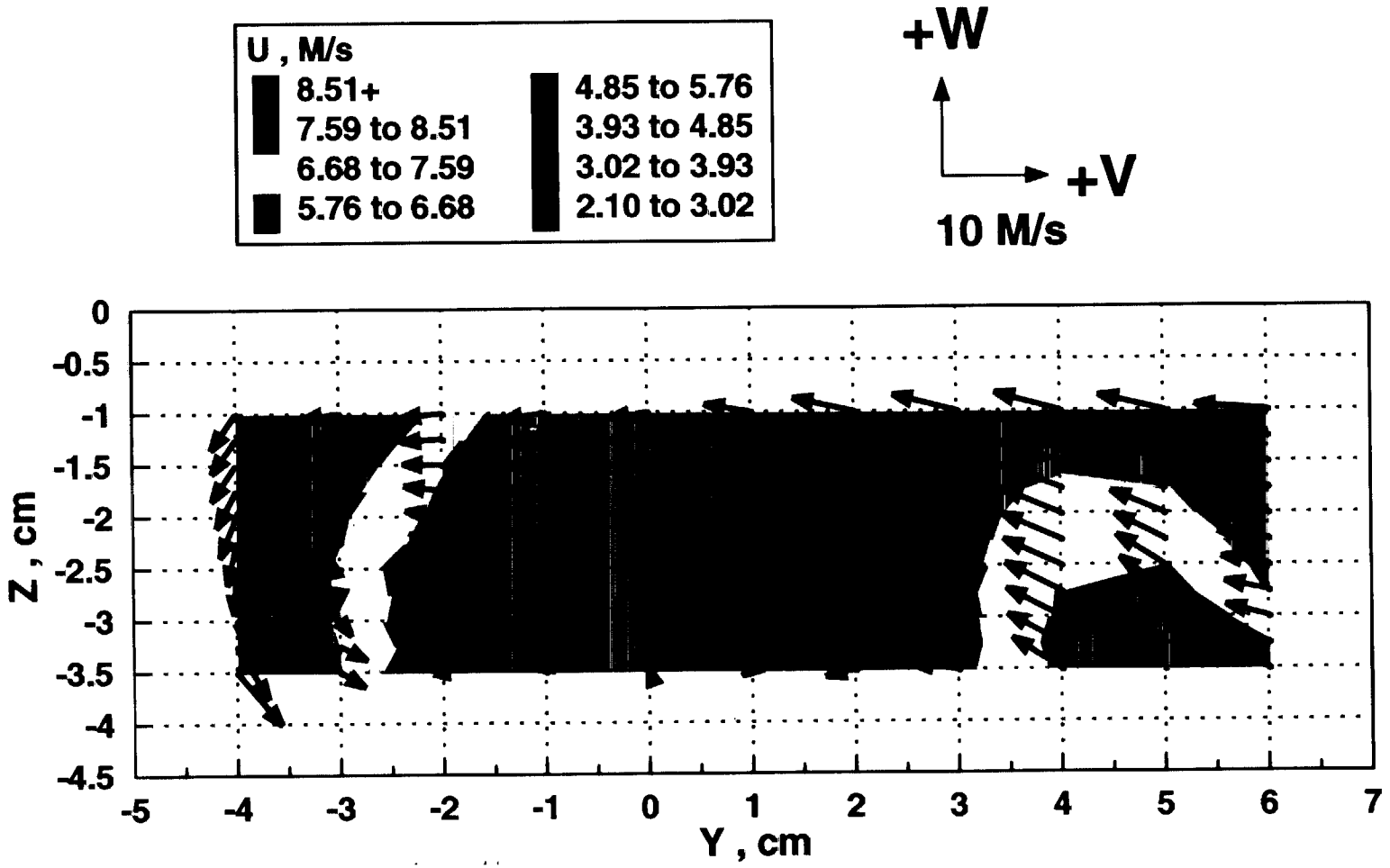

Figure 12. Plot of data below 0,0,0 location from figure 11.

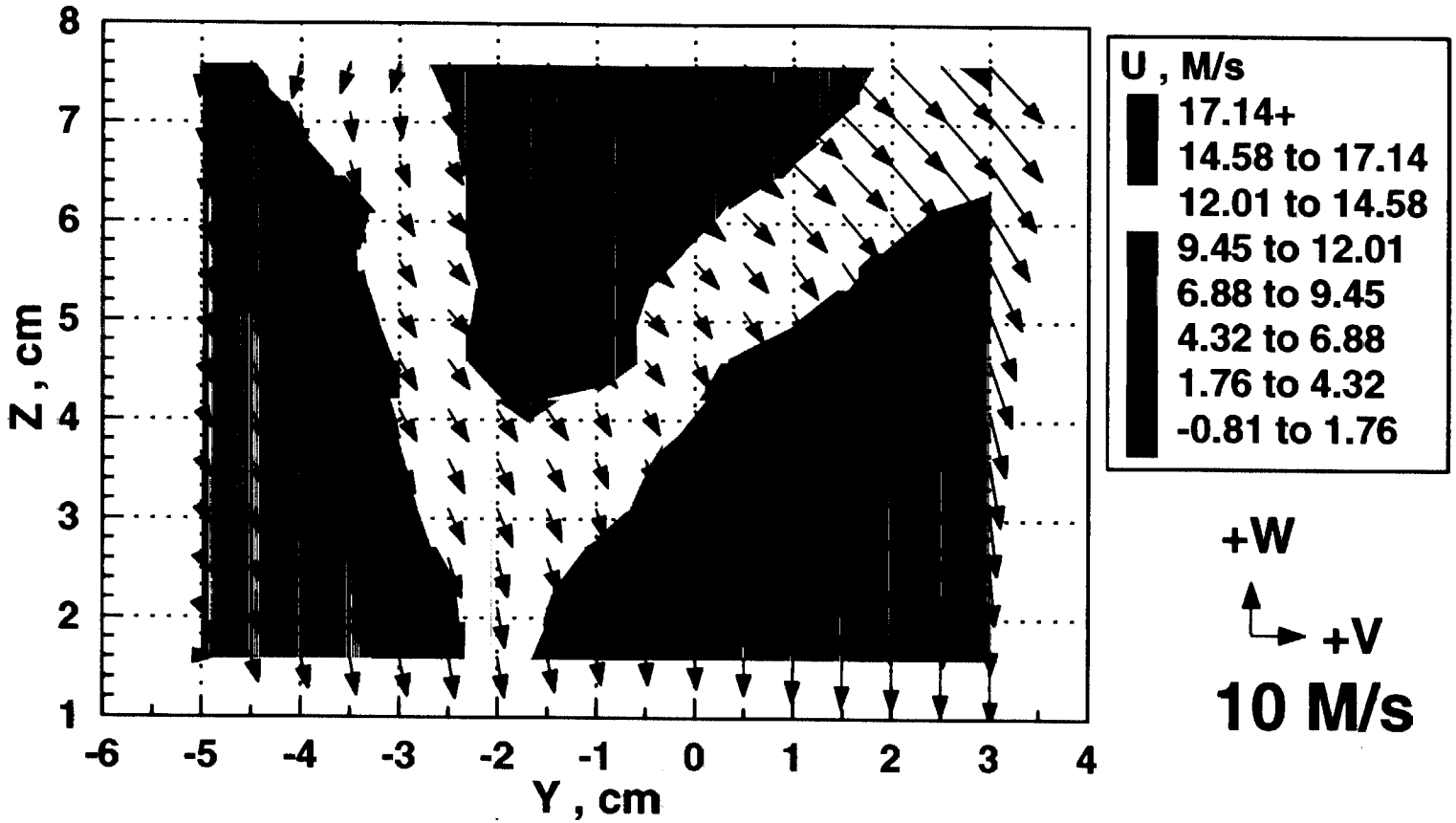

Figure 13. Contour plot of U mean with velocity vector plot of V,W means at the fan exit with the fresh air duct attached and 14 volts applied.

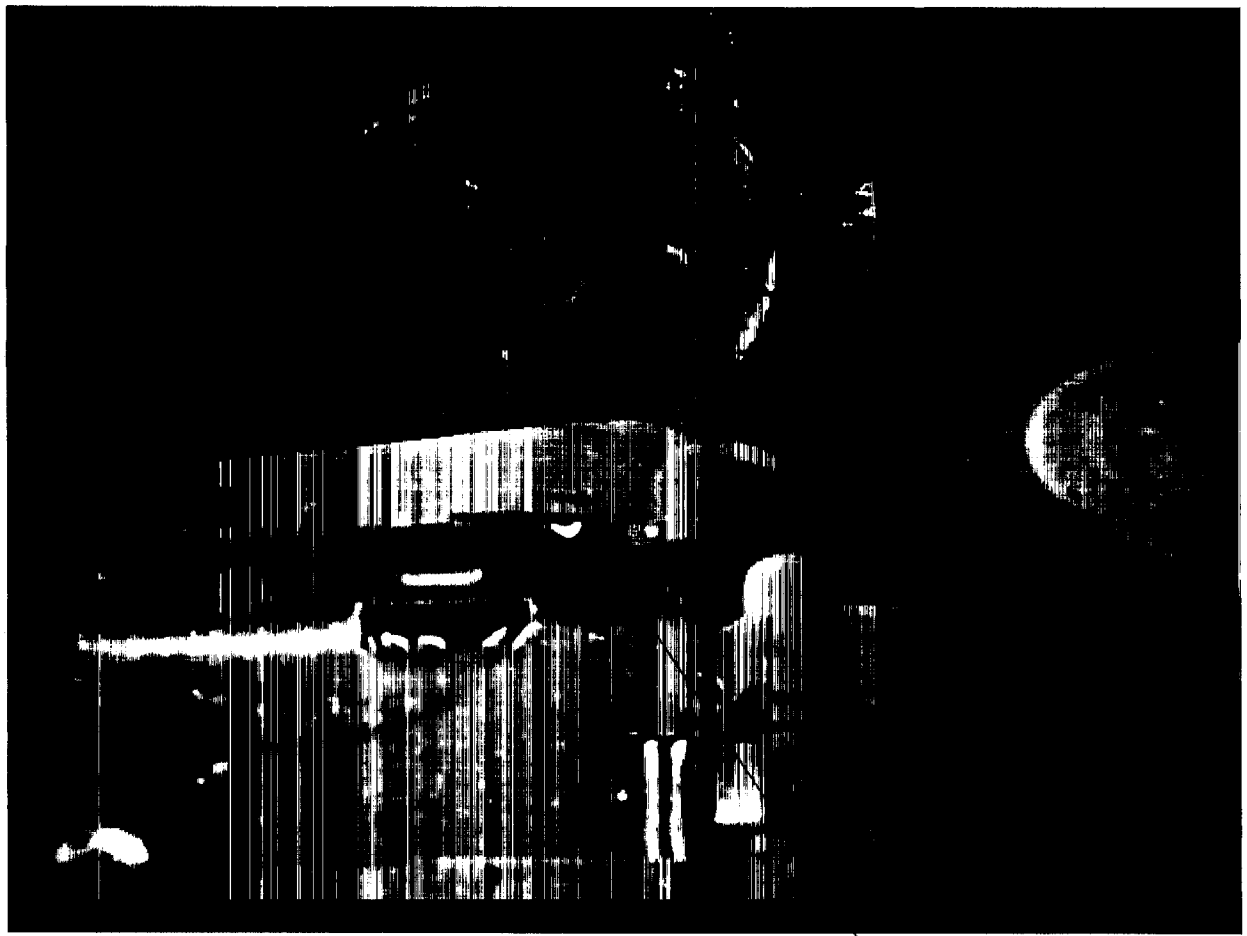

Figure 14. Photograph showing the 0,0,0 position location on the ridge on top of the radiator.

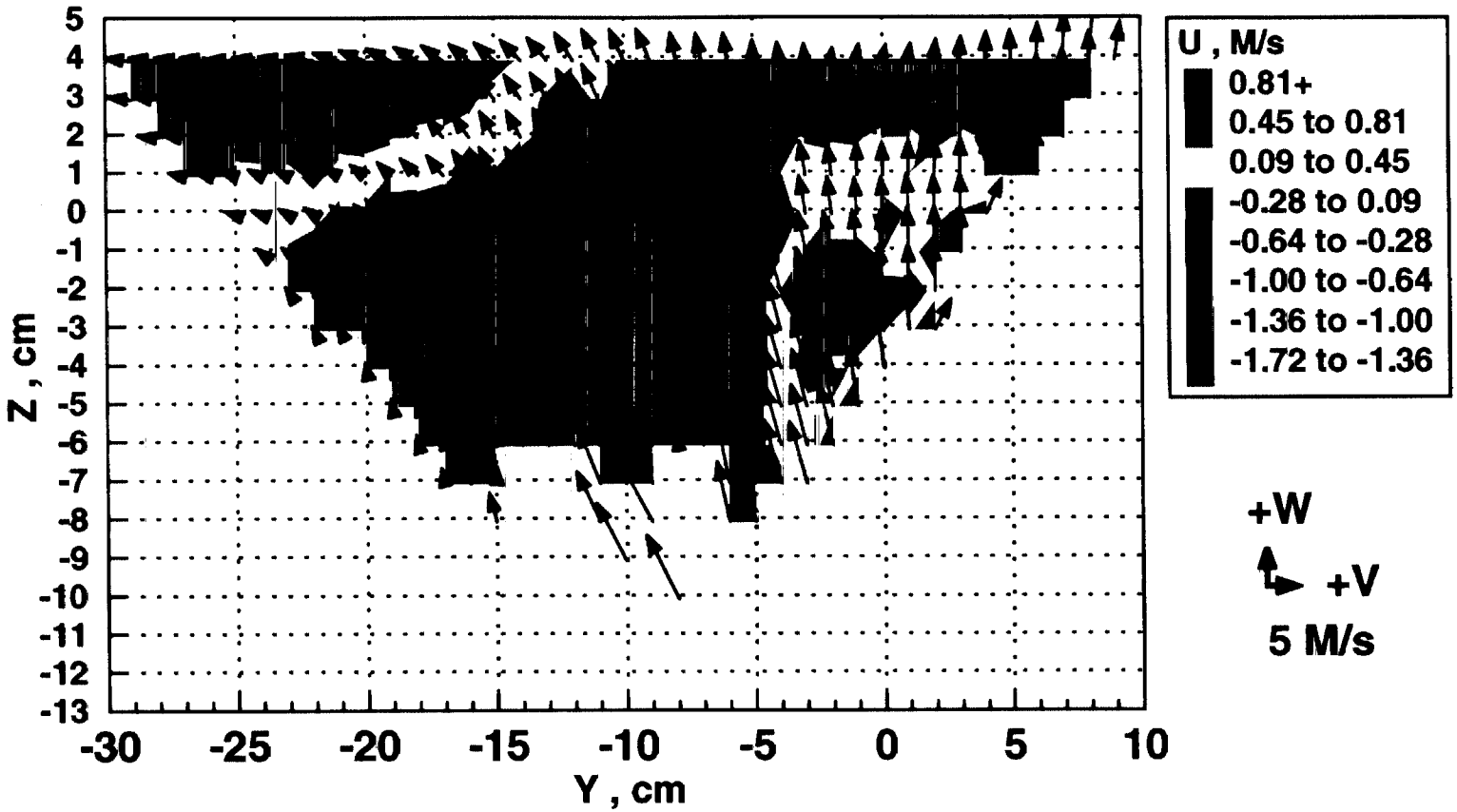

Figure 15. Contour plot of U mean and velocity vectors of V,W means at the 9 cm location in the engine compartment.

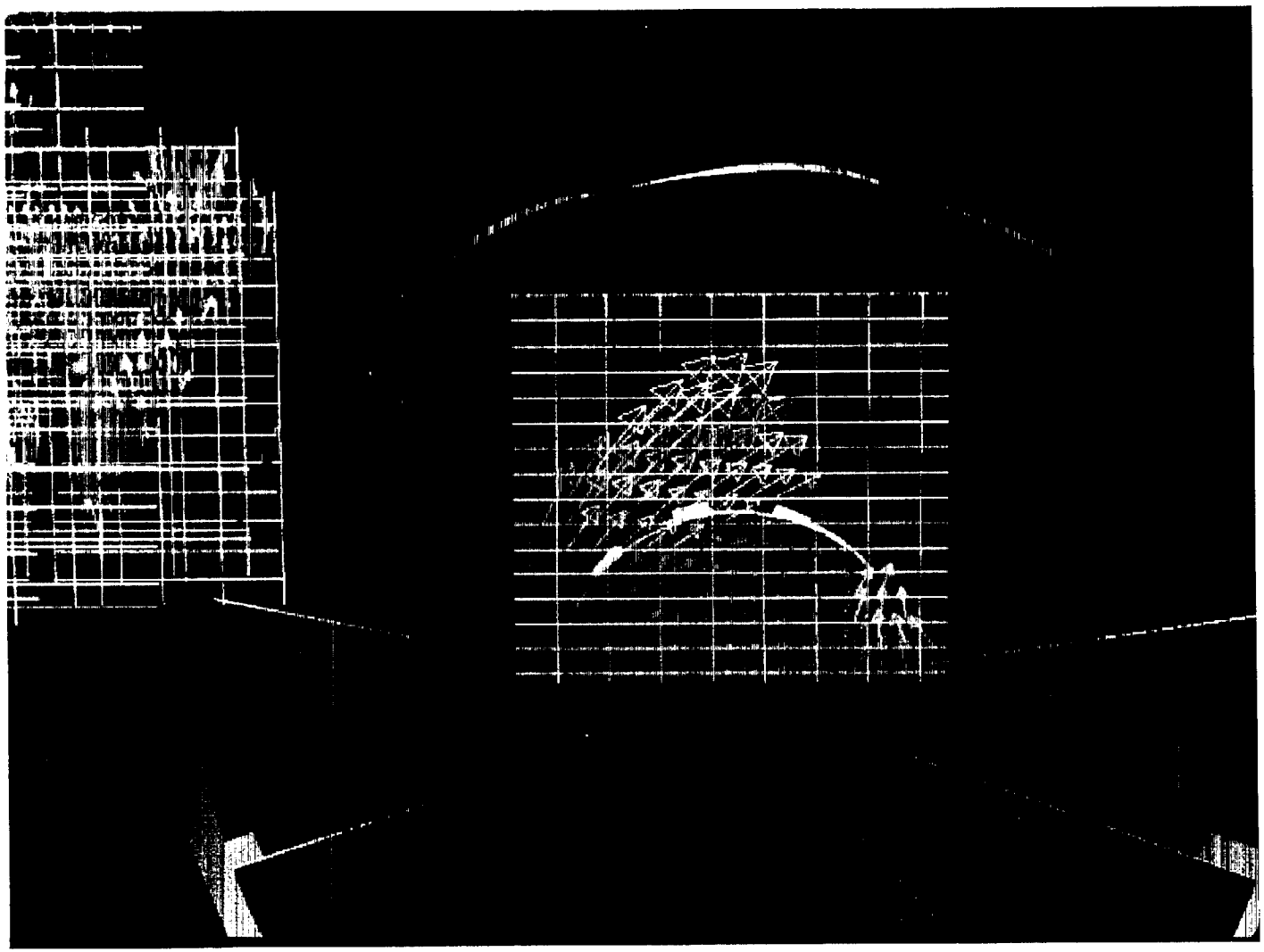

Figure 16. Computer rendering of radiator fan with velocity vector data overlaid.

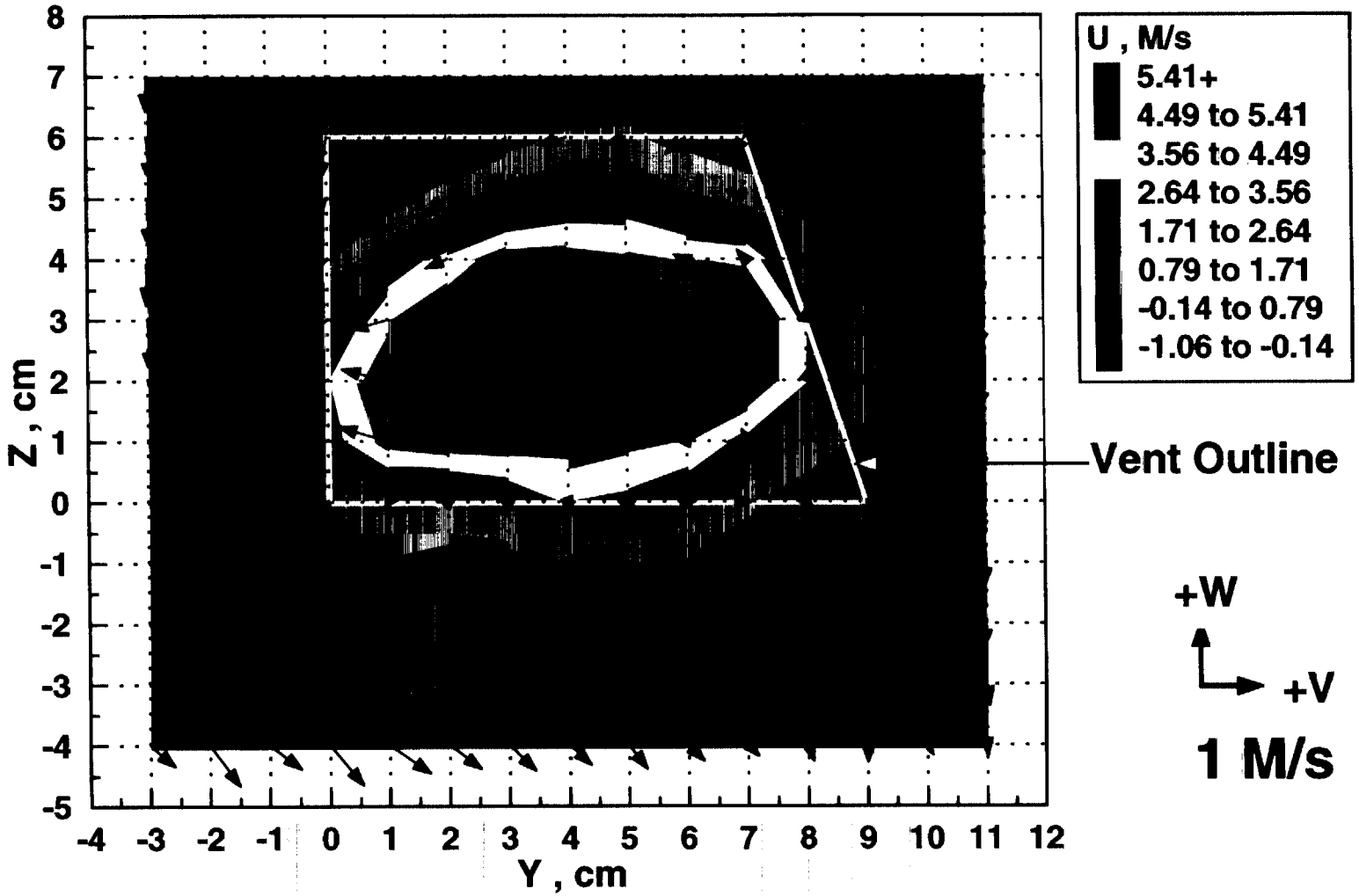

Figure 17. Contour plot of U mean with velocity vectors of W,V means at 6.5 cm from vent inside Explorer.

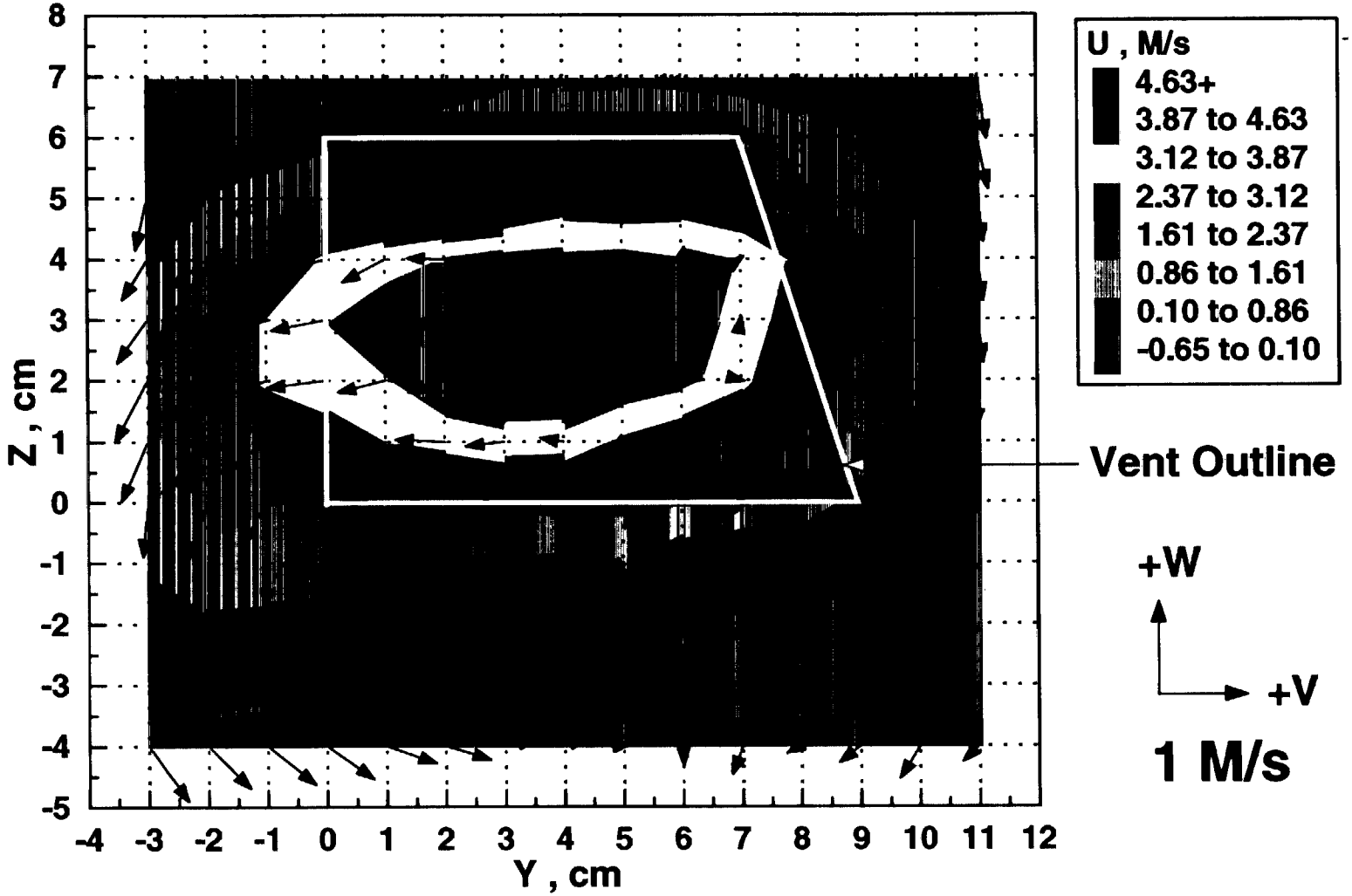

Figure 18. Contour plot of U mean with velocity vectors of W,V means at 21.5 cm from vent inside Explorer.

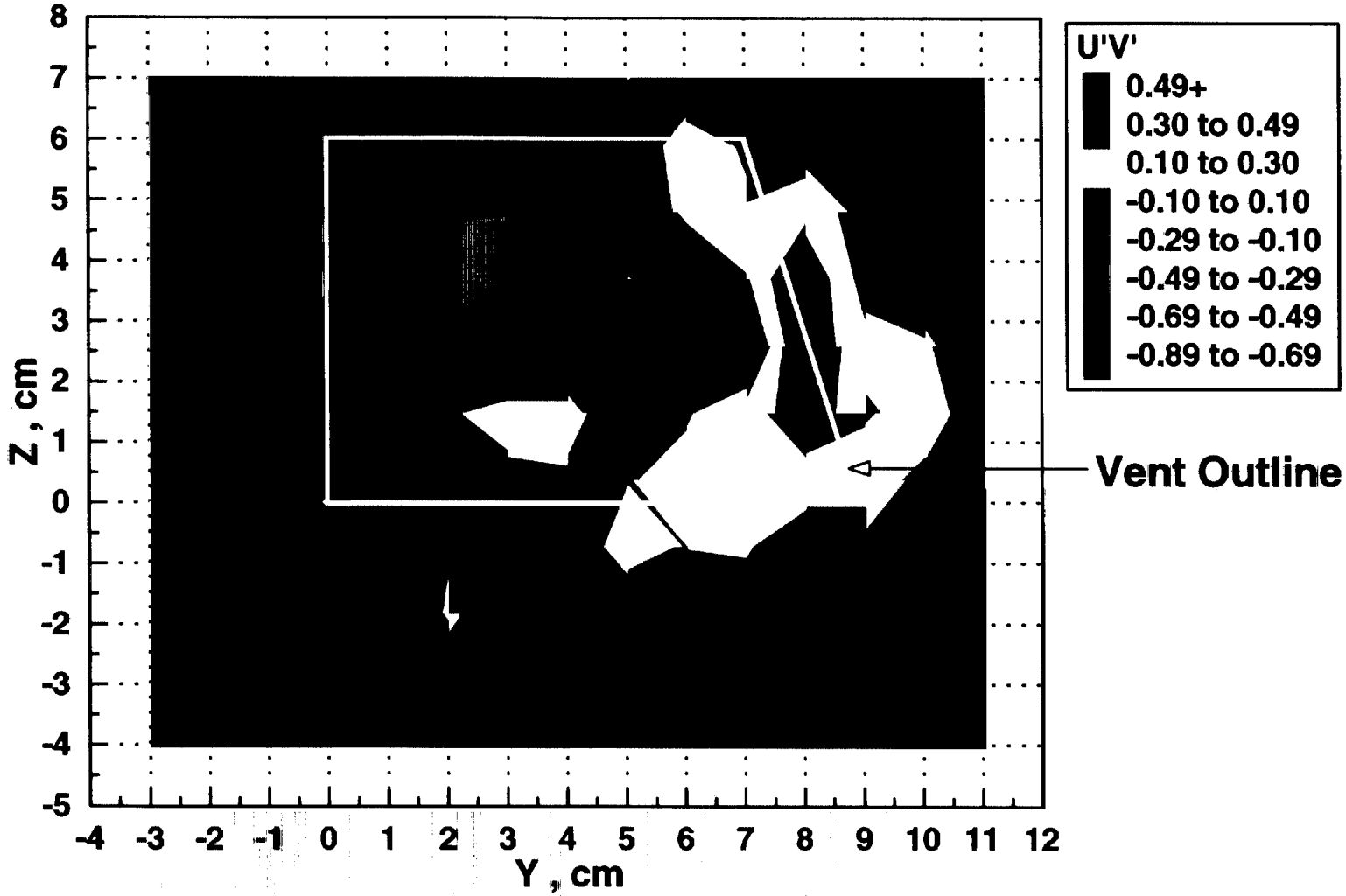

Figure 19. Contour plot of U'V' Reynolds stress terms at 6.5 cm from vent inside Explorer.

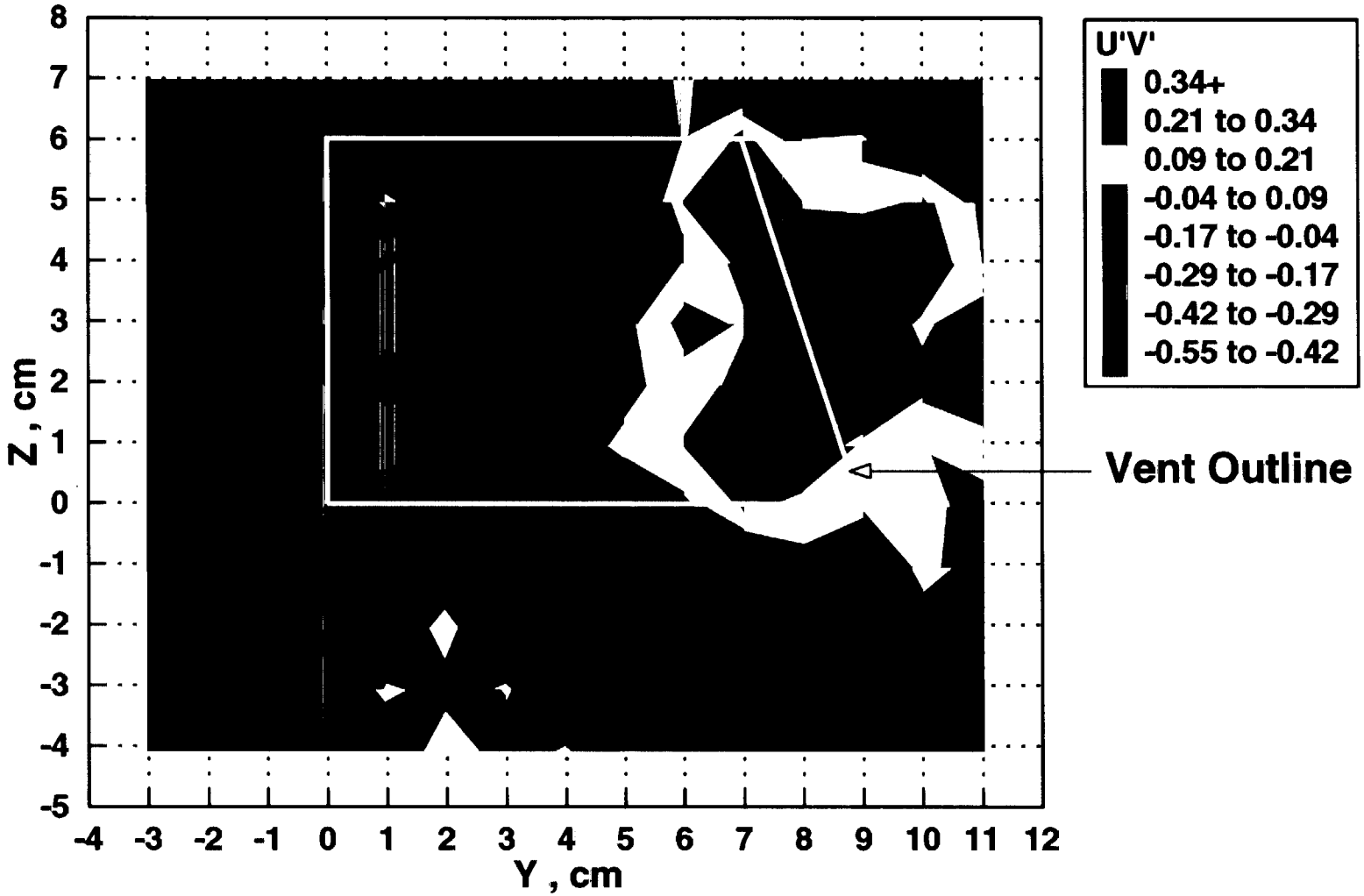

Figure 20. Contour plot of U'V' Reynolds stress terms at 21.5 cm from vent inside Explorer.

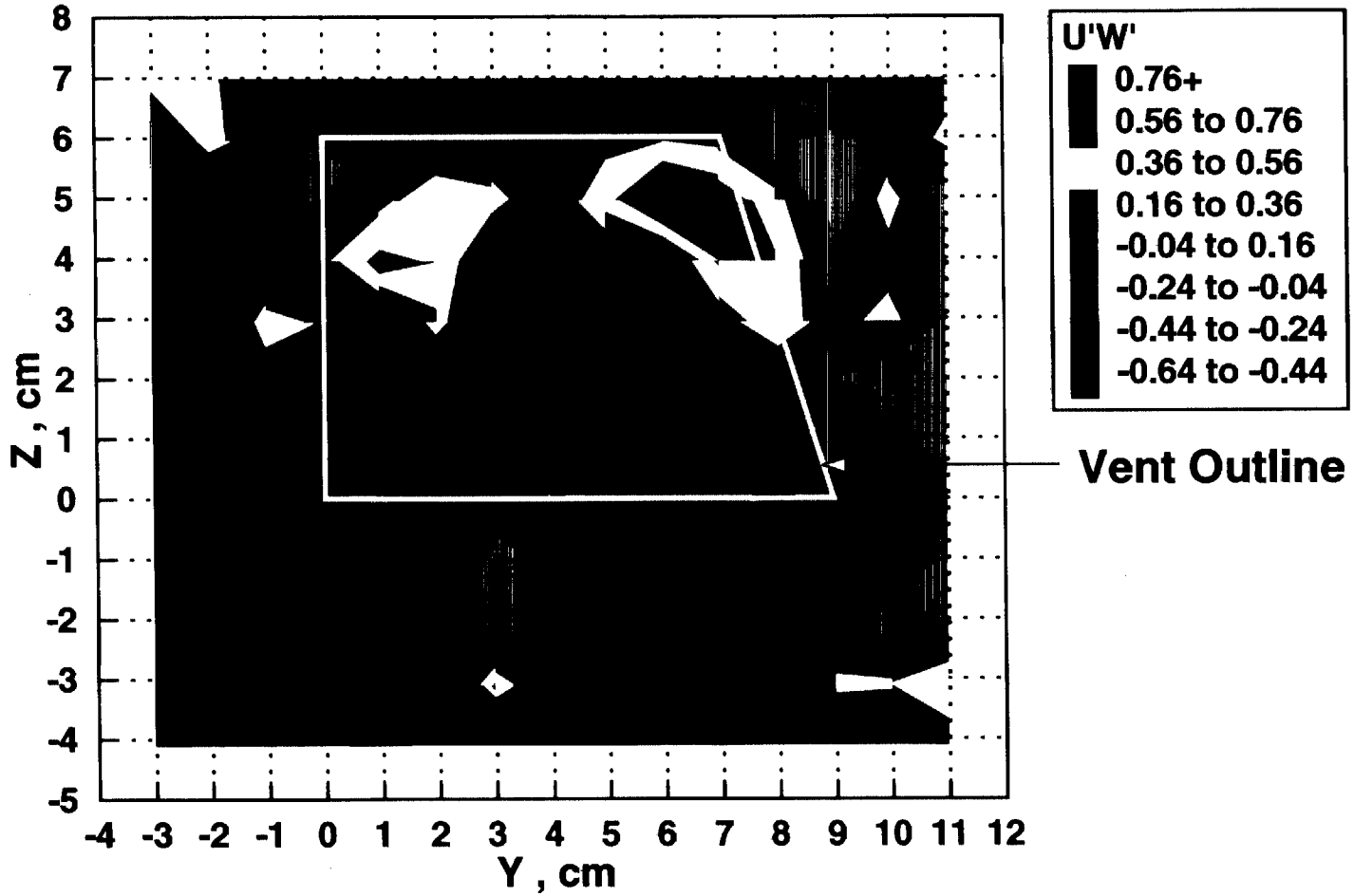

Figure 21. Contour plot of U'W' Reynolds stress terms at 6.5 cm from vent inside Explorer.

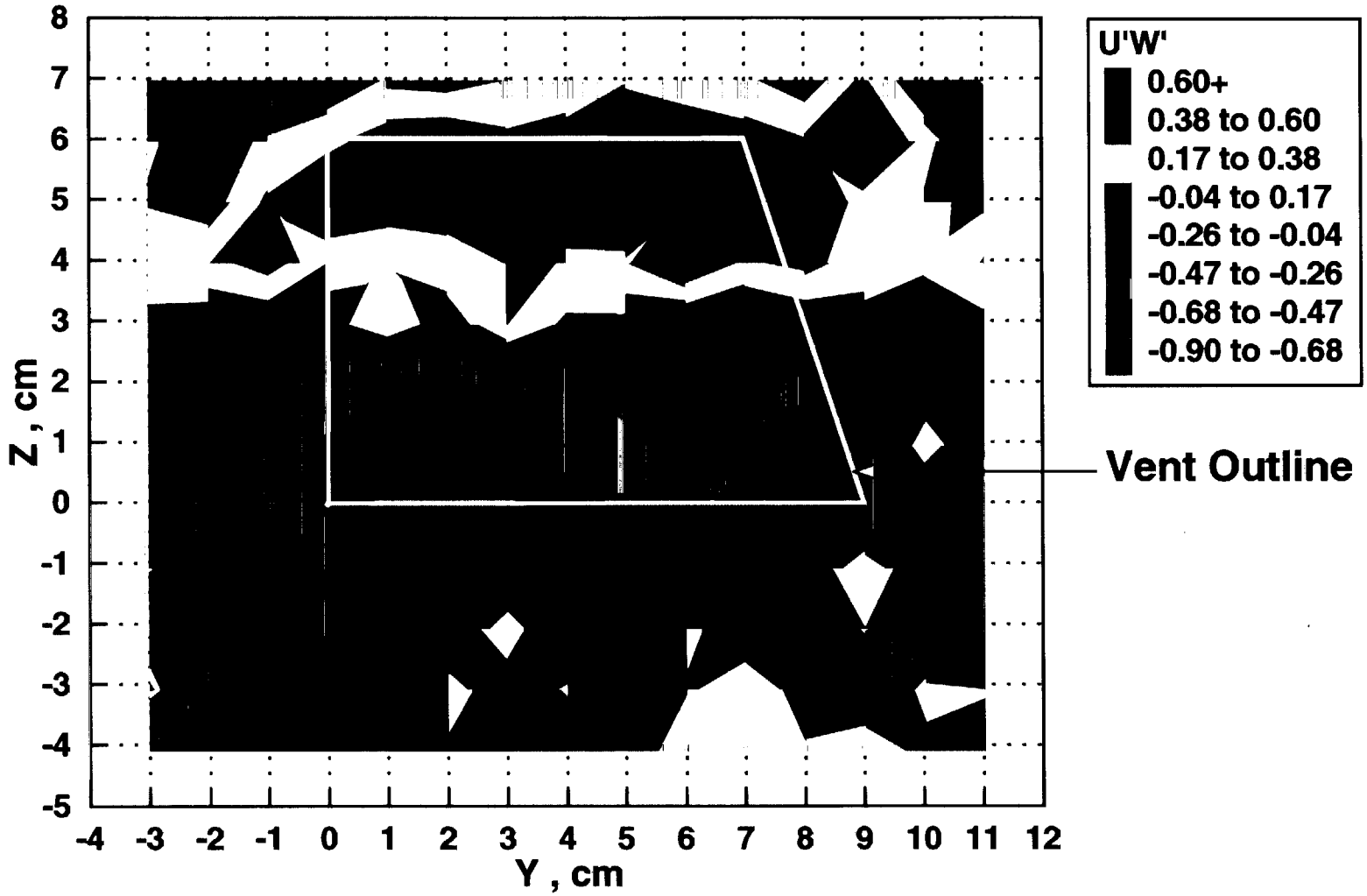

Figure 22. Contour plot of U'W' Reynolds stress terms at 21.5 cm from vent inside Explorer.

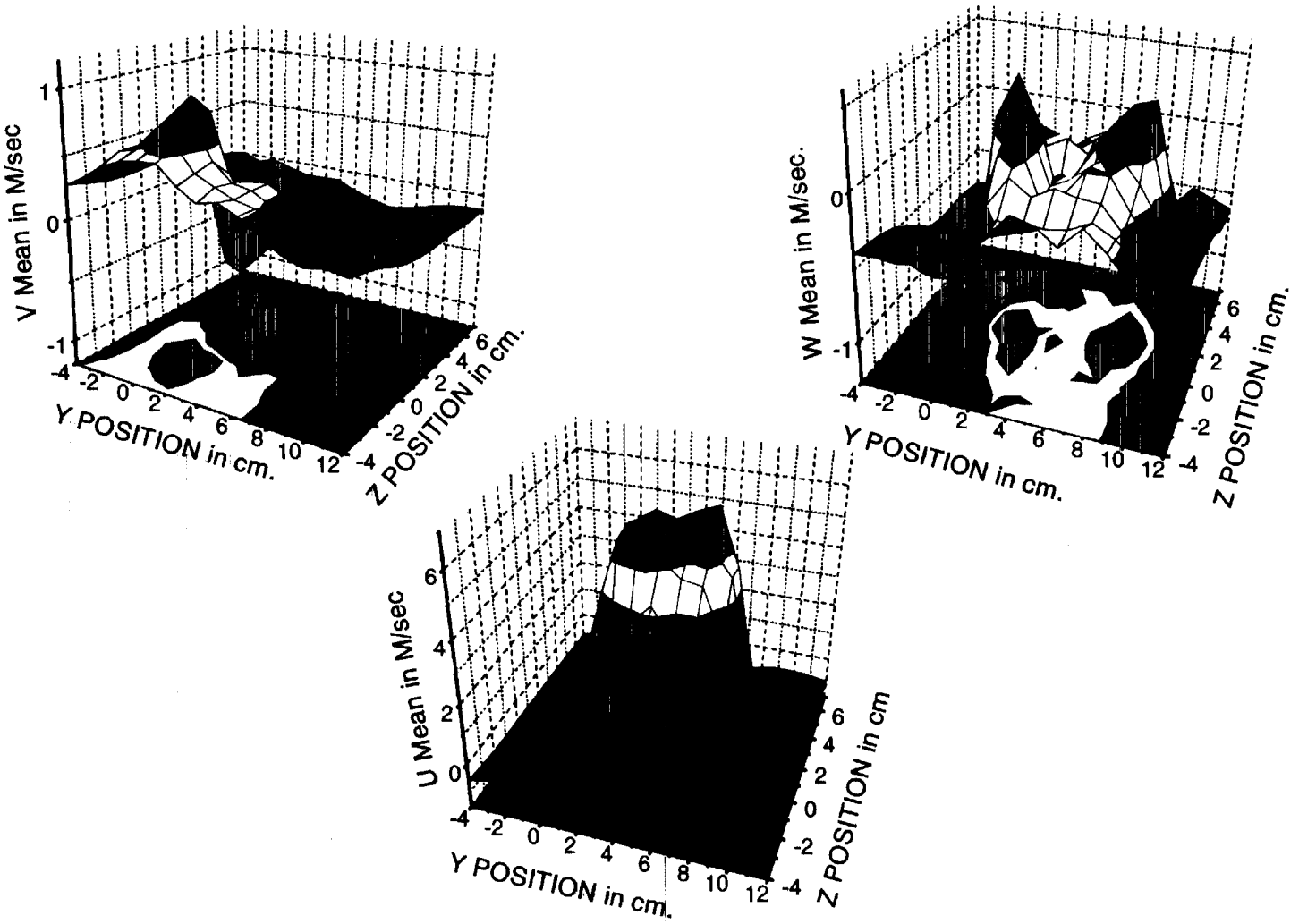

Figure 23. 3D Contour plots of U, V, and W mean velocity at 3.5cm from center panel vent.

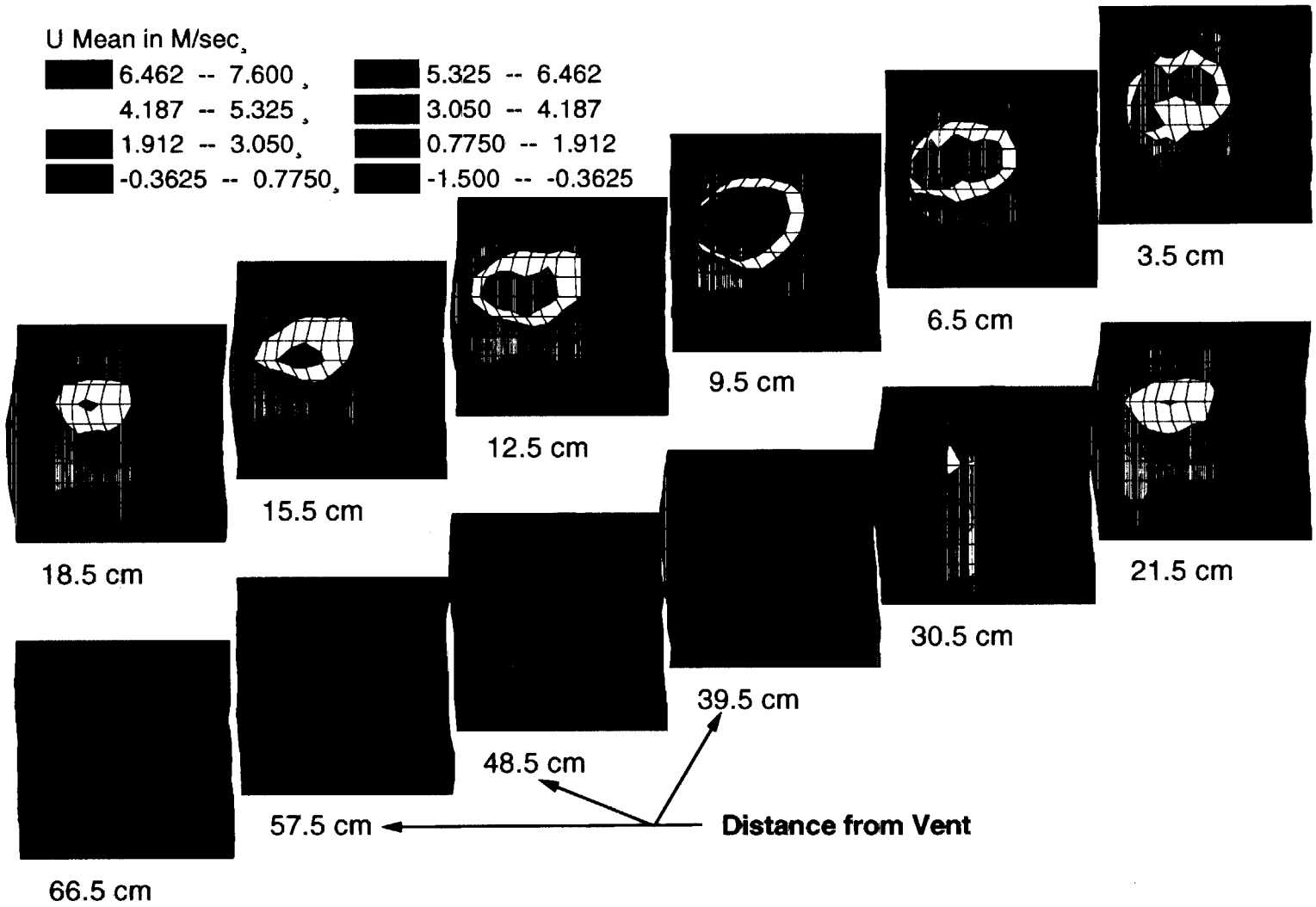

Figure 24. Contour plots of U mean velocities from 3.5cm to 66.5cm from Explorer center vent.

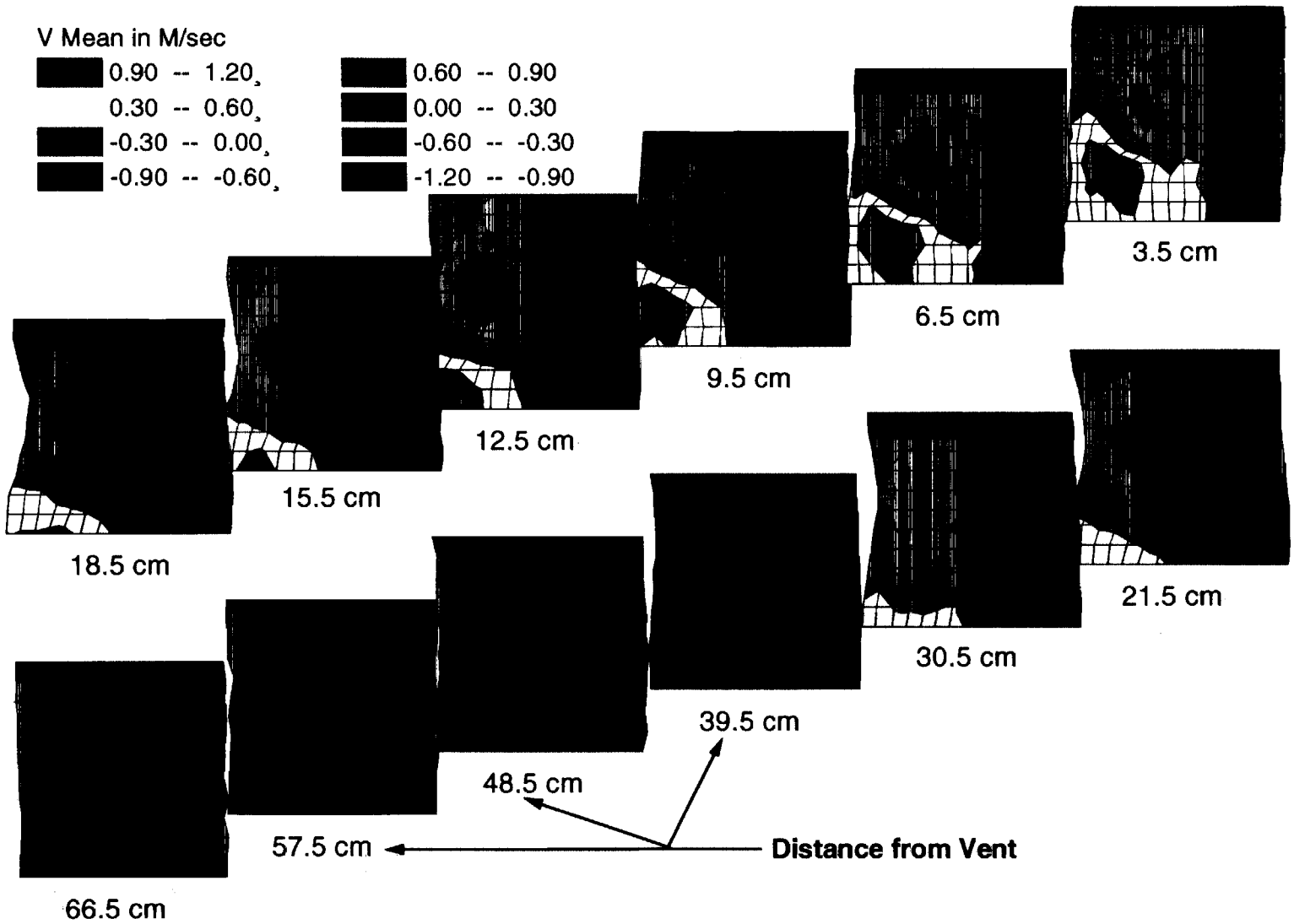

Figure 25. Contour plots of V mean velocities from 3.5cm to 66.5cm from Explorer center vent.

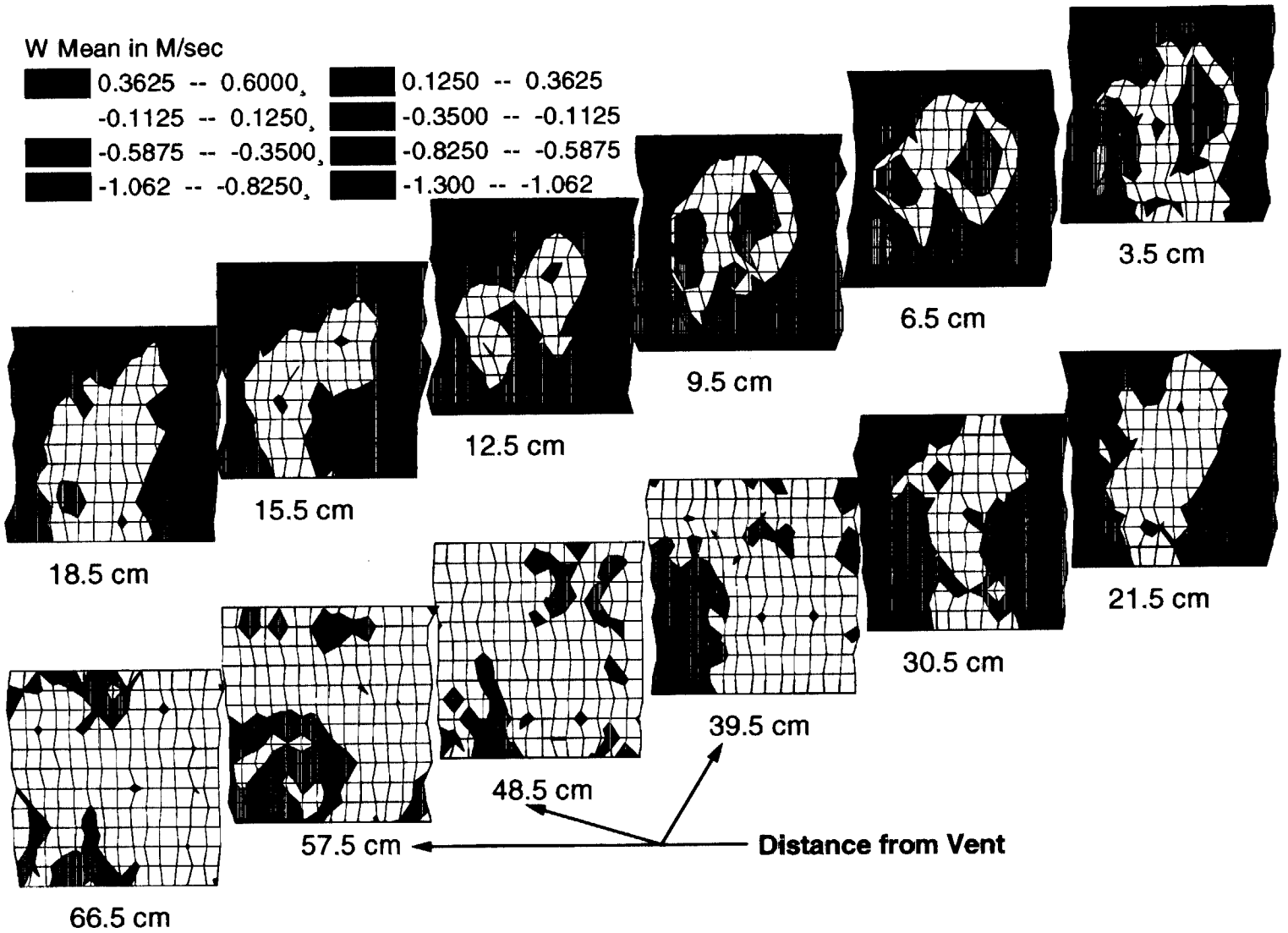

Figure 26. Contour plots of W mean velocities from 3.5cm to 66.5cm from Explorer center vent.

Appendix

Listing of Processed Data for Duct, Engine, and Inside Tests.

Position in cm
Mean and Standard Deviations in M/sec
Reynolds Stress terms in M^2/sec^2

WindStar Heating/Air-conditioning Duct Test:

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 6 volts, No fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	2	-4.0004	10	0.03801	0.93196	-2.63868	0.97142	-1.20515	0.65549	-0.1393	-0.06901	0.19501
1	2	-4.0004	9	0.30443	0.70616	-3.24604	0.96681	-1.58486	0.74931	0.03945	0.05635	0.16615
2	2	-4.0004	8	0.34129	0.8049	-3.19449	1.12079	-1.96773	0.84093	-0.05754	-0.1385	0.08686
3	2	-4.0004	7	0.46455	0.8446	-3.336	1.04491	-2.25667	0.9503	-0.06166	-0.18003	0.13941
4	2	-4.0004	6	0.74021	0.87016	-2.97789	1.25338	-2.36064	1.10588	-0.07027	-0.29306	0.12523
5	2	-4.0004	5	0.94748	0.86173	-2.8855	1.34239	-2.35629	1.15249	-0.11342	-0.28082	0.18187
6	2	-4.0004	4	1.18047	0.93459	-2.77136	1.57106	-2.05907	1.25406	-0.24728	-0.25375	0.24739
7	2	-4.0004	3	1.39136	0.99972	-2.65562	1.69736	-1.82059	1.32377	-0.45126	-0.32469	0.25137
8	2	-4.0004	2	1.68427	1.06485	-2.46296	1.86989	-1.82584	1.35407	-0.61068	-0.31539	0.19027
9	2	-4.0004	1	1.76056	1.15782	-2.39562	1.92426	-1.83938	1.45477	-0.70022	-0.31429	0.08844
10	2	-4.0004	0	2.04926	1.20123	-2.18138	2.0845	-1.86805	1.54301	-0.96898	-0.29602	0.11365
11	2	-4.0004	-1	2.13952	1.23352	-2.03821	2.1584	-2.15301	1.51734	-1.03157	-0.14316	-0.11616
12	2	-4.0004	-2	2.02331	1.25183	-1.25425	2.14414	-2.53678	1.51098	-0.92697	0.06419	-0.11377
13	2	-4.0004	-3	2.1008	1.31681	0.09509	2.09054	-2.8841	1.3967	-1.10513	0.31554	-0.16768
14	2	-4.0004	-3.5	1.97627	1.52203	0.80162	2.38217	-2.80745	1.45408	-2.03841	0.5914	-0.60292
15	5	-2.9999	10	0.20073	0.82692	-3.1402	0.97174	-1.10907	0.6586	-0.18553	-0.08262	0.14753
16	5	-2.9999	9	0.67484	0.79139	-3.30567	1.03785	-1.39826	0.68845	-0.22182	-0.11143	0.14705
17	5	-2.9999	8	0.93462	0.72146	-3.6324	0.9335	-1.74494	0.74492	-0.08552	-0.18369	0.09303
18	5	-2.9999	7	1.09891	0.69689	-3.87416	0.8656	-1.82939	0.80355	-0.05096	-0.08472	0.12501
19	5	-2.9999	6	1.36307	0.72707	-3.84465	0.96749	-1.74888	0.90838	-0.10647	-0.08716	0.144
20	5	-2.9999	5	1.62883	0.75815	-3.658	1.15506	-1.49225	0.95273	-0.15636	-0.06297	0.19157
21	5	-2.9999	4	1.7928	0.80072	-3.47459	1.2024	-1.08749	0.97682	-0.13759	0.03117	0.07066
22	5	-2.9999	3	2.13448	0.79759	-3.37093	1.38602	-1.17856	1.02705	-0.32771	-0.01638	0.08879
23	5	-2.9999	2	2.34086	0.84604	-3.42378	1.4304	-1.14723	1.1371	-0.35478	-0.09536	0.04568
24	5	-2.9999	1	2.56053	0.8604	-3.32655	1.49018	-1.17149	1.25291	-0.33787	0.01655	-0.05583
25	5	-2.9999	0	2.68892	0.95502	-3.28747	1.56401	-1.34247	1.31066	-0.36489	0.00424	-0.08242
26	5	-2.9999	-1	2.64828	0.98844	-3.1793	1.6468	-1.56609	1.29592	-0.24455	-0.07766	-0.16564
27	5	-2.9999	-2	2.95009	1.08192	-2.88606	1.80384	-2.04531	1.3692	-0.25533	0.01558	-0.10627
28	5	-2.9999	-3	2.94663	1.26007	-1.18835	1.96691	-2.34433	1.44884	-0.60871	0.4056	-0.21929
29	5	-2.9999	-3.5	2.94168	1.51199	-0.20993	2.26398	-2.23293	1.31718	-1.08936	0.33898	-0.07293

30	1	-2.0002	10	1.02732	0.60709	-3.25377	0.84312	-0.85565	0.54939	-0.08273	-0.0394	0.06367
31	1	-2.0002	9	1.527	0.54924	-3.44351	0.85885	-1.13355	0.53377	-0.01537	-0.05766	0.04427
32	1	-2.0002	8	1.33654	0.63267	-4.11375	0.7544	-1.17006	0.73105	-0.01737	-0.01802	0.10987
33	1	-2.0002	7	1.75019	0.68058	-4.26988	0.85024	-1.15677	0.81212	0.01958	0.04449	0.10924
34	1	-2.0002	6	2.0493	0.70473	-3.99886	1.04349	-0.99884	0.80402	0.02891	0.0393	0.11435
35	1	-2.0002	5	2.32753	0.63711	-3.90509	0.91661	-1.08009	0.81101	-0.00842	0.03829	0.11525
36	1	-2.0002	4	2.60426	0.63449	-3.90015	0.95972	-0.97925	0.80658	-0.03381	0.02735	0.04073
37	1	-2.0002	3	2.90094	0.68548	-3.97445	1.00259	-0.84604	0.87007	-0.14141	0.02384	0.06261
38	1	-2.0002	2	3.09093	0.68257	-3.84475	1.20387	-0.8669	0.96006	-0.18386	-0.02106	0.0026
39	1	-2.0002	1	3.18226	0.76856	-3.82012	1.35261	-0.82612	1.09857	-0.1742	0.05736	-0.1058
40	1	-2.0002	0	3.13944	0.77408	-3.74301	1.34857	-0.75028	1.14493	-0.1467	0.02961	-0.01033
41	1	-2.0002	-1	3.1848	0.84602	-3.77892	1.37888	-0.76136	1.23279	-0.13807	0.05738	-0.13804
42	1	-2.0002	-2	3.25522	0.95475	-3.53353	1.46814	-0.98016	1.28135	-0.15561	-0.0382	-0.12678
43	1	-2.0002	-3	3.67482	1.24148	-2.23404	1.77953	-1.24056	1.43597	-0.20912	0.19446	-0.12432
44	1	-2.0002	-3.5	3.68455	1.31482	-0.69882	1.86624	-1.44247	1.45558	-0.24053	0.37833	-0.18508
45	4	-0.9997	10	1.24089	0.59167	-3.38003	0.70838	-0.85054	0.54136	-0.12377	-0.09365	0.08591
46	4	-0.9997	9	1.54689	0.49402	-3.71489	0.58282	-1.10077	0.52149	-0.04045	-0.07744	0.05736
47	4	-0.9997	8	1.79926	0.4892	-3.92594	0.51948	-1.26413	0.50457	-0.02074	-0.06514	0.07417
48	4	-0.9997	7	2.09773	0.46099	-4.06369	0.47039	-1.37189	0.53057	0.00606	-0.03347	0.08846
49	4	-0.9997	6	2.45571	0.47745	-4.14592	0.54528	-1.24013	0.54726	0.01083	-0.02726	0.08655
50	4	-0.9997	5	2.78212	0.50756	-4.23759	0.6094	-1.08264	0.57989	0.03367	-9.13862E-4	0.09253
51	4	-0.9997	4	3.08614	0.52151	-4.28645	0.69417	-0.91216	0.61736	0.04417	0.00499	0.03944
52	4	-0.9997	3	3.32907	0.5086	-4.37927	0.70468	-0.70558	0.66075	0.03122	0.02658	0.03048
53	4	-0.9997	2	3.64051	0.61222	-4.56635	0.88632	-0.64318	0.76664	-0.05012	0.07938	0.00506
54	4	-0.9997	1	3.58165	0.60429	-4.18353	0.97509	-0.53235	0.81982	-0.05149	0.05936	-0.05542
55	4	-0.9997	0	3.60585	0.68524	-4.2154	1.13219	-0.4049	0.96337	-0.05124	0.093	-0.07596
56	4	-0.9997	-1	3.61874	0.74689	-4.26148	1.10307	-0.26534	1.04113	-0.06262	0.04877	-0.04488
57	4	-0.9997	-2	3.72607	0.86829	-4.07616	1.31873	-0.14729	1.16198	-0.10597	0.21164	-0.12697
58	4	-0.9997	-3	3.72738	1.10898	-2.79789	1.66304	-0.25379	1.32118	-0.13909	0.64166	-0.27904
59	4	-0.9997	-3.5	3.89457	1.18962	-1.73843	1.7822	-0.43784	1.32787	-0.00793	0.6163	-0.1934
60	0	0	10	1.573	0.56845	-3.57719	0.60522	-0.72455	0.52531	-0.05053	-0.11004	0.05123
61	0	0	9	1.93652	0.52474	-3.90825	0.52911	-0.9987	0.50647	-0.03074	-0.08471	0.0703
62	0	0	8	2.16666	0.45082	-3.99371	0.46103	-1.14518	0.48537	0.00326	-0.05058	0.05494
63	0	0	7	2.54219	0.43957	-4.23212	0.46241	-1.17702	0.4662	0.00897	-0.02495	0.06095
64	0	0	6	2.9039	0.41844	-4.35092	0.51634	-1.0827	0.48546	0.02145	-0.01952	0.04848
65	0	0	5	3.2522	0.44936	-4.45029	0.50564	-0.95331	0.49087	0.02575	-0.0161	0.06347
66	0	0	4	3.44848	0.40849	-4.43991	0.53376	-0.82677	0.47266	0.03385	-0.00101	0.02168
67	0	0	3	3.70157	0.4192	-4.49689	0.55084	-0.6779	0.46212	0.02994	-0.00383	0.01179
68	0	0	2	3.87529	0.42346	-4.47064	0.5543	-0.58838	0.55624	0.03603	-0.00223	0.01421
69	0	0	1	4.03932	0.49539	-4.60912	0.70496	-0.48499	0.58295	0.01254	0.02195	-0.01471
70	0	0	0	4.00167	0.56918	-4.43643	0.86321	-0.26977	0.78054	0.00316	0.11383	-0.05129
71	0	0	-1	3.98452	0.62433	-4.54996	0.88653	-0.07087	0.90304	-0.04018	0.07986	-0.09515
72	0	0	-2	4.15617	0.78025	-4.65404	1.05563	0.19209	1.05468	-0.09576	0.27827	-0.1743
73	0	0	-3	3.8678	1.13045	-3.40891	1.56321	0.34748	1.24907	-0.26849	0.70652	-0.46481
74	0	0	-3.5	3.8736	1.28554	-2.43974	1.76963	0.25103	1.28059	0.03177	0.77936	-0.23189
75	3	1.0005	10	1.87715	0.57473	-3.5709	0.64112	-0.57459	0.55437	-0.05909	-0.09802	0.04654
76	3	1.0005	9	2.16528	0.51894	-3.8992	0.47927	-0.82377	0.48319	-0.03978	-0.06924	0.04515
77	3	1.0005	8	2.67354	0.51533	-4.46731	0.44587	-1.02972	0.48833	0.00358	-0.05584	0.05012
78	3	1.0005	7	2.88603	0.44523	-4.393	0.40744	-1.0619	0.42146	0.01862	-0.01088	0.04765
79	3	1.0005	6	3.29817	0.44711	-4.64232	0.43724	-1.02676	0.4074	0.00617	-0.01031	0.03457
80	3	1.0005	5	3.65175	0.43308	-4.80916	0.46692	-0.9301	0.41707	-0.01321	-0.01045	0.02913
81	3	1.0005	4	4.13436	0.43459	-5.21441	0.42562	-0.82253	0.48102	0.05925	-0.00588	0.02452
82	-3	-1.0005	-2	3.94826	1.03621	-4.38985	1.50261	-0.02084	1.24732	-0.21771	0.29016	-0.25605

83	-3	-1.0005	-3	3.83442	1.20213	-2.9511	1.67144	-0.05334	1.30846	0.03725	0.34854	-0.23952
84	-3	-1.0005	-3.5	3.98201	1.35446	-1.64545	2.0349	-0.24222	1.50112	-0.09276	0.78675	-0.36144
85	0	0	10	1.47192	0.61097	-3.45863	0.65582	-0.80109	0.55899	-0.12737	-0.11965	0.10302
86	0	0	9	1.81682	0.57969	-3.83095	0.58552	-0.98507	0.55151	-0.0914	-0.09721	0.08354
87	0	0	8	2.12344	0.51561	-4.04466	0.50593	-1.08794	0.49757	-0.0351	-0.04955	0.07307
88	0	0	7	2.65478	0.48951	-4.48715	0.4833	-1.17608	0.48726	-0.01026	-0.03127	0.06482
89	0	0	6	3.09133	0.4734	-4.71331	0.45838	-1.16687	0.49342	0.02823	-0.0288	0.06231
90	0	0	5	3.40496	0.48918	-4.75481	0.51077	-0.99288	0.50925	0.03822	-0.01233	0.05806
91	0	0	4	3.71927	0.47031	-4.93266	0.52565	-0.91157	0.50405	0.03064	-0.00344	0.03695
92	0	0	3	3.88998	0.48108	-4.8593	0.56244	-0.75444	0.54749	0.04257	0.00518	0.03073
93	0	0	2	3.92555	0.45096	-4.69944	0.55236	-0.59509	0.56572	0.0198	0.01197	0.01526
94	0	0	1	4.07131	0.47686	-4.69898	0.67779	-0.4155	0.68289	0.0045	0.05316	-0.0212
95	0	0	0	4.00943	0.59216	-4.60226	0.87066	-0.2206	0.77249	-0.01185	0.09325	-0.08975
96	0	0	-1	3.99957	0.65396	-4.55194	1.02744	0.02788	0.9997	-0.02227	0.15724	-0.15304
97	0	0	-2	3.98705	0.88084	-4.38878	1.16286	0.36111	1.09544	-0.08282	0.32408	-0.23633
98	0	0	-3	3.88638	1.18927	-3.36427	1.60651	0.48224	1.28912	-0.12089	0.65855	-0.50827
99	0	0	-3.5	3.87367	1.24073	-2.51835	1.7223	0.27163	1.25336	0.02064	0.63472	-0.36403
100	3	1.0005	10	1.80562	0.59873	-3.44613	0.57977	-0.70736	0.53891	-0.09364	-0.10175	0.07738
101	3	1.0005	9	2.02318	0.57673	-3.78574	0.51778	-0.91476	0.50353	-0.07363	-0.07992	0.09862
102	3	1.0005	8	2.35372	0.51123	-4.06383	0.40272	-1.05198	0.45399	-0.01242	-0.05182	0.05958
103	3	1.0005	7	2.72742	0.47718	-4.28126	0.39785	-1.08079	0.44225	0.02977	-0.02816	0.06012
104	3	1.0005	6	3.09842	0.46677	-4.40031	0.39791	-1.06596	0.4547	0.02427	-0.02088	0.07056
105	3	1.0005	5	3.40603	0.42695	-4.51471	0.3784	-0.96048	0.41577	0.0386	-0.00624	0.04683
106	3	1.0005	4	3.78789	0.43328	-4.74034	0.469	-0.88383	0.43451	0.01877	-0.00915	0.01926
107	3	1.0005	3	3.88414	0.4097	-4.68738	0.41099	-0.72188	0.43946	0.03755	-3.11615E-4	0.01658
108	3	1.0005	2	4.05383	0.37375	-4.69109	0.41317	-0.57295	0.44079	0.03323	0.00801	3.90008E-5
109	3	1.0005	1	4.16829	0.40149	-4.68109	0.46265	-0.46091	0.48347	0.03781	0.01706	0.00795
110	3	1.0005	0	4.39946	0.5032	-4.7342	0.62693	-0.28674	0.60606	0.0205	0.04555	-0.035
111	3	1.0005	-1	4.28051	0.53509	-4.54499	0.68237	-0.04765	0.71762	0.02639	0.04752	-0.07221
112	3	1.0005	-2	4.20459	0.72653	-4.38061	0.85437	0.30101	0.89357	-0.01471	0.1736	-0.18826
113	3	1.0005	-3	4.12791	1.03229	-3.66958	1.25713	0.55287	1.11912	-0.19368	0.59927	-0.40769
114	3	1.0005	-3.5	3.9912	1.10421	-3.06092	1.42057	0.46118	1.16042	-0.138	0.61743	-0.32522
115	-1	2.0002	10	2.09046	0.51207	-3.62893	0.51413	-0.48003	0.49299	0.01912	-0.07083	0.02595
116	-1	2.0002	9	2.45501	0.47637	-3.93534	0.45932	-0.73635	0.46841	0.03901	-0.04961	0.02468
117	-1	2.0002	8	2.66187	0.436	-4.09751	0.38241	-0.86363	0.42592	0.03164	-0.03033	0.03847
118	-1	2.0002	7	3.00138	0.39949	-4.28219	0.37642	-0.95101	0.39674	0.01977	-0.02673	0.02088
119	-1	2.0002	6	3.33544	0.37135	-4.46572	0.3554	-0.92326	0.37254	0.03993	-0.01222	0.01661
120	-1	2.0002	5	3.62332	0.35474	-4.59228	0.36756	-0.84983	0.38304	0.04721	-0.01091	0.00958
121	-1	2.0002	4	3.79957	0.34456	-4.59564	0.34266	-0.70298	0.35018	0.05349	-0.00428	0.00953
122	-1	2.0002	3	3.99174	0.34683	-4.70399	0.33799	-0.60282	0.39377	0.04208	0.00336	0.00967
123	-1	2.0002	2	4.26678	0.37054	-4.92144	0.41048	-0.49619	0.42952	0.03722	0.02025	-0.00745
124	-1	2.0002	1	4.32789	0.39089	-4.78914	0.41996	-0.38431	0.45067	0.04616	0.02388	-0.01004
125	-1	2.0002	0	4.41037	0.43921	-4.74449	0.47005	-0.27677	0.48156	0.06326	0.00611	-0.02209
126	-1	2.0002	-1	4.50241	0.53265	-4.67744	0.5819	-0.14204	0.59426	0.06316	0.02691	-0.05823
127	-1	2.0002	-2	4.55516	0.62406	-4.43844	0.67762	0.24714	0.78929	0.02277	0.11795	-0.07832
128	-1	2.0002	-3	4.54842	0.91693	-3.78466	1.10701	0.53348	1.04992	-0.16141	0.50128	-0.3169
129	-1	2.0002	-3.5	4.31128	1.30931	-3.11032	1.52692	0.79224	1.27033	-0.36658	0.88528	-0.50193
130	-5	2.9999	10	2.50738	0.47462	-3.74134	0.49366	-0.35989	0.45506	0.02849	-0.04836	0.0128
131	-5	2.9999	9	2.68187	0.45775	-3.86178	0.43749	-0.56807	0.47244	0.02933	-0.05434	0.01404
132	-5	2.9999	8	2.88952	0.40597	-4.10933	0.39107	-0.70735	0.39385	0.04636	-0.0278	0.00439
133	-5	2.9999	7	3.21059	0.40312	-4.34041	0.35784	-0.75873	0.39968	0.04922	-0.02656	0.00679
134	-5	2.9999	6	3.55094	0.38161	-4.61253	0.39491	-0.77578	0.37316	0.0343	-0.00913	0.01289
135	-5	2.9999	5	3.6432	0.34368	-4.68872	0.33149	-0.69604	0.34282	0.03779	-0.01044	0.01098

136	-5	2.9999	4	3.99868	0.35643	-5.01599	0.33627	-0.63897	0.38868	0.05926	9.37008E-5	0.00363
137	-5	2.9999	3	4.19623	0.34663	-5.19361	0.35209	-0.56443	0.37654	0.04493	0.00426	-0.00694
138	-5	2.9999	2	4.15209	0.32485	-4.94719	0.3314	-0.47318	0.40715	0.03201	0.00551	-0.00201
139	-5	2.9999	1	4.28064	0.36839	-4.92164	0.36963	-0.39577	0.44641	0.04883	0.01189	-0.00368
140	-5	2.9999	0	4.39322	0.38251	-4.7562	0.38741	-0.3408	0.41493	0.05407	0.02705	-0.00732
141	-5	2.9999	-1	4.45819	0.48654	-4.60319	0.45047	-0.18714	0.51635	0.06865	0.04235	-0.03719
142	-5	2.9999	-2	4.66225	0.54668	-4.28503	0.58366	0.0169	0.65289	0.05468	0.0881	-0.021
143	-5	2.9999	-3	4.79899	0.69049	-3.82482	0.86251	0.3549	0.79913	-0.07064	0.21637	-0.08683
144	-5	2.9999	-3.5	4.65997	0.9014	-3.27986	1.06543	0.35799	0.88242	-0.12491	0.37528	-0.21499
145	-2	4.0004	10	2.81236	0.51774	-3.78406	0.51396	-0.15357	0.47609	0.00617	-0.06512	0.01946
146	-2	4.0004	9	3.11411	0.45335	-4.0928	0.42894	-0.32473	0.45617	0.0439	-0.0358	0.02494
147	-2	4.0004	8	3.19363	0.43464	-4.27405	0.38627	-0.46147	0.44581	0.02325	-0.0251	0.03434
148	-2	4.0004	7	3.40732	0.3895	-4.53804	0.34892	-0.51183	0.37942	0.03249	-0.01344	0.00975
149	-2	4.0004	6	3.42923	0.37412	-4.58843	0.29013	-0.51579	0.36582	0.03593	-0.00815	0.008
150	-2	4.0004	5	3.62089	0.38527	-4.83227	0.34149	-0.50684	0.35813	0.03007	-0.00528	0.00421
151	-2	4.0004	4	3.79493	0.38468	-5.03767	0.33593	-0.49313	0.36125	0.03194	-0.00588	0.00686
152	-2	4.0004	3	3.82885	0.38812	-5.02682	0.31994	-0.52232	0.37863	0.04855	0.00838	0.00688
153	-2	4.0004	2	3.95108	0.3615	-5.00155	0.31166	-0.4899	0.40002	0.04776	0.00847	0.0015
154	-2	4.0004	1	4.20393	0.38104	-5.06511	0.36444	-0.46931	0.45064	0.0386	0.02117	-0.00246
155	-2	4.0004	0	4.30216	0.41827	-4.90109	0.35743	-0.41069	0.44548	0.05376	0.00385	-0.03393
156	-2	4.0004	-1	4.6237	0.49281	-4.90998	0.4594	-0.34517	0.50637	0.09058	0.03603	-0.02086
157	-2	4.0004	-2	4.60304	0.5786	-4.31533	0.59793	-0.14291	0.63209	0.11336	0.08645	-0.01863
158	-2	4.0004	-3	4.76733	0.57872	-3.75578	0.71006	6.31756E-4	0.70451	0.04212	0.11546	-0.04392
159	-2	4.0004	-3.5	4.9174	0.7187	-3.62755	0.91342	-0.08764	0.77101	-0.04322	0.22766	-0.10629
160	2	4.9995	10	3.12537	0.52885	-3.92453	0.45777	0.14123	0.47221	0.03813	-0.06268	0.01409
161	2	4.9995	9	3.31403	0.44265	-4.2109	0.40356	-0.01981	0.45483	0.03583	-0.04676	0.01308
162	2	4.9995	8	3.30684	0.44337	-4.32852	0.35621	-0.14047	0.41576	0.04466	-0.01814	-0.002
163	2	4.9995	7	3.44944	0.42223	-4.67156	0.34492	-0.2328	0.40979	0.03118	-0.01942	0.00526
164	2	4.9995	6	3.49116	0.43574	-4.80717	0.35413	-0.28136	0.39824	0.02246	-0.01194	-0.00263
165	2	4.9995	5	3.58891	0.43005	-5.16918	0.34192	-0.32769	0.36937	0.0431	-0.01232	-0.01065
166	2	4.9995	4	3.48069	0.40145	-5.03384	0.30363	-0.36784	0.37524	0.04485	-0.00881	-0.0017
167	2	4.9995	3	3.79584	0.4054	-5.46112	0.31149	-0.43616	0.39663	0.04901	-0.00203	0.00254
168	2	4.9995	2	3.71117	0.40029	-5.18197	0.30889	-0.47247	0.43213	0.05248	0.01106	0.00115
169	2	4.9995	1	3.99605	0.41696	-5.30539	0.37075	-0.56939	0.43339	0.0335	0.01834	-0.00123
170	2	4.9995	0	4.04506	0.44563	-5.03601	0.34329	-0.57538	0.47334	0.06745	0.0315	0.00671
171	2	4.9995	-1	4.50643	0.48261	-5.1716	0.45409	-0.47246	0.53889	0.08357	0.03746	-0.02285
172	2	4.9995	-2	4.65138	0.60454	-4.54777	0.63455	-0.18783	0.69212	0.0919	0.09491	-0.0467
173	2	4.9995	-3	4.82796	0.59605	-4.17209	0.69924	-0.07098	0.68724	0.07868	0.0207	-0.06166
174	2	4.9995	-3.5	4.94247	0.6907	-4.2232	0.84721	-0.29408	0.6782	0.14523	0.00465	-0.05459
175	5	6	10	3.46746	0.56315	-4.43504	0.49873	0.41018	0.53699	0.04677	-0.0546	3.74602E-5
176	5	6	9	3.44252	0.45161	-4.44355	0.38399	0.2298	0.45702	0.01358	-0.01844	0.00524
177	5	6	8	3.45282	0.39725	-4.59846	0.32753	0.1318	0.40069	0.01867	-0.01497	-0.00614
178	5	6	7	3.43606	0.39858	-4.8295	0.28908	0.09035	0.35549	0.03315	-0.00358	-0.00281
179	5	6	6	3.4108	0.40651	-5.09913	0.31438	0.00684	0.3821	0.03827	-0.00312	-0.0065
180	5	6	5	3.35898	0.41194	-5.27722	0.30468	-0.09333	0.4067	0.04169	0.00891	0.00169
181	5	6	4	3.23784	0.46269	-5.30237	0.33921	-0.21447	0.46464	0.0405	0.00357	0.00326
182	5	6	3	3.27473	0.47123	-5.40557	0.36331	-0.37247	0.49508	0.05637	0.02322	0.01111
183	5	6	2	3.39735	0.46361	-5.43743	0.36272	-0.48169	0.51508	0.07569	0.01083	0.00203
184	5	6	1	3.65022	0.48115	-5.67249	0.391	-0.63312	0.52922	0.07171	0.02036	0.0071
185	5	6	0	4.03338	0.50729	-5.81589	0.41054	-0.76221	0.58774	0.09527	0.0178	0.0209
186	5	6	-1	4.39982	0.5703	-5.62725	0.46107	-0.73395	0.63404	0.11175	0.0548	0.02918
187	5	6	-2	4.62538	0.56712	-4.8945	0.58152	-0.50751	0.67739	0.1382	0.10292	0.04277
188	5	6	-3	4.77235	0.57444	-4.6215	0.61179	-0.29255	0.71531	0.15038	0.04749	-0.01535

189	5	6	-3.5	4.37105	0.71822	-4.88985	0.68298	-0.20428	0.80958	0.21951	-0.07628	-0.19498
190	1	6.9997	10	3.10444	0.5566	-4.76019	0.47289	0.82365	0.52376	0.03508	-7.82038E-4	-0.01218
191	1	6.9997	9	3.25058	0.48127	-4.99916	0.38573	0.46527	0.45601	0.03267	0.00658	0.02213
192	1	6.9997	8	3.23517	0.4513	-5.1531	0.36057	0.23882	0.46812	0.02089	0.00556	0.01367
193	1	6.9997	7	3.09783	0.419	-5.12621	0.31461	0.12042	0.46523	0.02044	0.00853	-0.01736
194	1	6.9997	6	2.99726	0.48164	-5.26643	0.36319	-0.01199	0.4958	0.04232	0.01222	-0.008
195	1	6.9997	5	2.84853	0.48838	-5.21807	0.33381	-0.06937	0.53431	0.03698	0.00882	-0.00716
196	1	6.9997	4	2.69584	0.52377	-5.33598	0.35994	-0.1454	0.54371	0.06203	0.014	0.0016
197	1	6.9997	3	2.81369	0.50863	-5.46456	0.38347	-0.38156	0.5575	0.04873	0.00753	0.01888
198	1	6.9997	2	2.9233	0.51007	-5.43315	0.35203	-0.44838	0.57183	0.05013	0.01791	0.02601

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 6 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-4	10	3.87352	1.01847	-2.43085	1.53326	0.24944	1.23521	0.44492	-0.30898	-0.2733
1	0	-4	9	0.16735	0.41567	-2.45334	0.58105	-1.71668	0.53333	-0.00736	-0.03179	0.03807
2	0	-4	8	0.04355	0.4637	-2.45154	0.6068	-2.02643	0.51465	-0.02424	-0.05045	0.03678
3	0	-4	7	-0.05382	0.4707	-2.55277	0.69083	-2.32457	0.53092	-0.01895	-0.07224	0.0301
4	0	-4	6	-0.14064	0.56392	-2.79437	0.75177	-2.61983	0.57135	-0.02369	-0.09285	0.0524
5	0	-4	5	-0.13677	0.57928	-2.92033	0.77254	-2.75993	0.69711	-0.01573	-0.10274	0.0313
6	0	-4	4	0.01404	0.67088	-2.7544	0.81296	-2.78702	0.77438	-0.08265	-0.05522	0.07025
7	0	-4	3	0.13427	0.7186	-2.48665	0.93151	-2.80999	0.82468	-0.15053	-0.14626	0.02218
8	0	-4	2	0.4325	0.82415	-2.24161	1.06504	-2.79878	0.91571	-0.23589	-0.11436	0.03873
9	0	-4	1	0.57885	0.85881	-1.80787	1.12653	-2.6769	1.00439	-0.32569	-0.11325	-0.00104
10	0	-4	0	0.73049	0.92459	-1.54039	1.17804	-2.43899	1.15777	-0.31949	-0.2216	-0.0637
11	0	-4	-1	0.80994	0.97366	-0.96441	1.34873	-2.49482	1.15229	-0.47162	-0.21165	0.06625
12	0	-4	-1.25	0.78792	0.95291	-0.71426	1.39485	-2.65427	1.11499	-0.28024	-0.25376	0.03627
13	0	-4	-1.5	0.94256	1.02455	-0.5754	1.53489	-2.75024	1.20644	-0.4909	-0.3214	0.1514
14	0	-4	-1.75	0.91641	0.90776	-0.14189	1.38734	-2.84421	1.09442	-0.33703	-0.22414	0.01957
15	0	-4	-2	1.04545	0.95174	0.19402	1.47343	-2.98069	1.10329	-0.35845	-0.06177	0.0135
16	0	-4	-2.25	0.95569	0.91046	0.67892	1.37456	-3.12533	1.0592	-0.24987	0.01629	-7.09431E-4
17	0	-4	-2.5	1.06465	0.92776	1.04788	1.37449	-2.99894	1.05571	-0.28854	0.07602	0.00238
18	0	-4	-2.75	1.07088	0.90402	1.55955	1.18071	-3.02207	1.01243	-0.19573	0.15658	-0.02285
19	0	-4	-3	1.07023	0.82181	1.83157	1.09298	-2.92009	1.00815	-0.07821	0.10274	0.01214
20	0	-4	-3.25	1.15501	0.82784	2.23695	1.085	-2.8576	0.93314	-0.13906	0.10214	-0.00724
21	0	-4	-3.5	1.11852	0.8043	2.58351	1.02654	-2.76039	0.90891	-0.19109	0.05317	0.0483
22	0	-3.0001	-3.5	2.5397	1.20502	2.33526	1.45379	-1.52901	1.38337	-0.74971	-0.0267	0.34494
23	0	-3.0001	-3.25	2.26161	1.06057	2.46146	1.31331	-1.5164	1.35977	-0.41587	-0.01146	0.26939
24	0	-3.0001	-3	2.41987	1.15968	1.82645	1.55946	-1.57509	1.42396	-0.58934	-0.07061	0.30006
25	0	-3.0001	-2.75	2.59109	1.27093	1.12057	1.82482	-1.51266	1.52326	-0.64603	-0.01594	0.43825
26	0	-3.0001	-2.5	2.61969	1.24976	0.39417	1.84254	-1.39918	1.59098	-0.71815	-0.12434	0.46626
27	0	-3.0001	-2.25	2.78346	1.22445	-0.35355	1.8932	-1.43143	1.59021	-0.64721	-0.11723	0.41222
28	0	-3.0001	-2	2.63555	1.14432	-1.16275	1.76943	-1.37246	1.53696	-0.5482	-0.12857	0.2713
29	0	-3.0001	-1.75	2.42518	1.11517	-1.64821	1.56986	-1.29995	1.57702	-0.506	-0.18544	0.31023
30	0	-3.0001	-1.5	2.4171	1.03475	-2.13188	1.40651	-1.24158	1.4594	-0.38704	-0.12341	0.19238
31	0	-3.0001	-1.25	2.23138	0.97854	-2.19833	1.31171	-1.33392	1.3848	-0.29961	-0.16635	0.14919

32	0	-3.0001	-1	2.1121	0.92401	-2.3672	1.17932	-1.34473	1.30794	-0.25283	-0.1954	0.12866
33	0	-3.0001	0	1.79674	0.88423	-2.34757	1.10587	-1.44563	1.25685	-0.22418	-0.10393	-0.06586
34	0	-3.0001	1	1.53898	0.86009	-2.54832	1.02025	-1.74271	1.03462	-0.18224	-0.14283	-0.03365
35	0	-3.0001	2	1.21747	0.79429	-2.68631	0.96559	-1.84027	0.92617	-0.13665	-0.10028	0.00662
36	0	-3.0001	3	0.91046	0.75453	-2.86416	0.92386	-1.86913	0.82156	-0.12327	-0.17762	0.04052
37	0	-3.0001	4	0.61649	0.69261	-3.07997	0.77501	-1.85644	0.73406	-0.0577	-0.08415	0.04436
38	0	-3.0001	5	0.35229	0.62149	-3.26329	0.72247	-1.82684	0.68247	-0.04619	-0.11892	0.08633
39	0	-3.0001	6	0.19104	0.54728	-3.14167	0.67085	-1.80408	0.61214	-0.06441	-0.09532	0.07633
40	0	-3.0001	7	0.12802	0.48281	-2.88512	0.62573	-1.66717	0.53141	-0.04584	-0.08857	0.07004
41	0	-3.0001	8	0.16141	0.47385	-2.71497	0.63776	-1.50815	0.54241	-0.03613	-0.07311	0.07996
42	0	-3.0001	9	0.17817	0.41852	-2.47388	0.59407	-1.28986	0.51241	-0.025	-0.04081	0.02751
43	0	-3.0001	10	0.37422	0.38398	-2.43732	0.52052	-1.02639	0.47925	-0.01141	-0.00241	0.01205
44	0	-2	10	0.41754	0.47157	-2.85079	0.6143	-0.70614	0.55212	-0.01724	-0.03245	0.03391
45	0	-2	9	0.31352	0.46674	-3.11232	0.59533	-0.98197	0.57105	-0.04421	-0.05088	0.07359
46	0	-2	8	0.31243	0.47566	-3.38385	0.60287	-1.06955	0.61149	-0.04424	-0.04639	0.06438
47	0	-2	7	0.45718	0.57605	-3.73141	0.64001	-1.15193	0.64191	-0.05922	-0.07381	0.09551
48	0	-2	6	0.73552	0.64593	-3.89461	0.70825	-1.14592	0.64646	-0.06552	-0.06898	0.08674
49	0	-2	5	1.02979	0.706	-3.57773	0.78935	-1.05072	0.72114	-0.04755	-0.09957	0.07115
50	0	-2	4	1.30335	0.73887	-3.3352	0.8828	-1.08171	0.76095	-0.04802	-0.08424	0.02979
51	0	-2	3	1.70692	0.84222	-3.26193	0.94162	-1.07198	0.96383	-0.00312	-0.18983	-0.03896
52	0	-2	2	2.19413	0.97593	-3.04514	1.11085	-1.27559	0.97308	-0.09976	-0.12075	-0.01304
53	0	-2	1	2.5584	0.96906	-2.72184	1.15717	-1.22604	1.16532	-0.12717	-0.07283	-0.16636
54	0	-2	0	2.81814	0.9008	-2.43491	1.10215	-0.83614	1.2428	-0.16242	-0.03981	-0.1224
55	0	-2	-1	3.15651	0.91993	-2.29018	1.09445	-0.17493	1.40711	-0.1752	0.18574	-0.19531
56	0	-2	-1.25	3.30171	0.90649	-2.15334	1.14588	-0.09153	1.37605	-0.15117	0.26885	-0.14036
57	0	-2	-1.5	3.28121	0.94533	-2.04235	1.25661	0.10599	1.46813	-0.10178	0.43748	-0.08389
58	0	-2	-1.75	3.45127	0.90463	-1.74958	1.26586	0.29114	1.34934	-0.09945	0.39631	-0.13675
59	0	-2	-2	3.50438	0.94136	-1.35912	1.36701	0.48435	1.36785	-0.12958	0.45899	-0.11965
60	0	-2	-2.25	3.49101	0.94396	-0.95615	1.39792	0.59285	1.32712	-0.17474	0.27951	-0.09864
61	0	-2	-2.5	3.62536	0.95683	-0.60402	1.47386	0.64201	1.33562	-0.21421	0.35105	-0.17144
62	0	-2	-2.75	3.7306	0.97121	-0.13398	1.42015	0.69368	1.24209	-0.3223	0.11703	-0.12223
63	0	-2	-3	3.66464	1.02147	0.64459	1.44753	0.62638	1.34252	-0.47301	0.01844	-0.01297
64	0	-2	-3.25	3.56059	1.06048	1.44358	1.42078	0.61452	1.23518	-0.49618	-0.21077	0.01331
65	0	-2	-3.5	3.40722	1.02126	1.94933	1.30678	0.46327	1.2762	-0.52305	-0.33361	0.08015
66	0	-1	-3.5	3.74626	0.93569	0.98186	1.30234	0.97096	1.08545	-0.15595	0.21336	-0.3374
67	0	-1	-3.25	3.93443	0.97507	0.3922	1.36994	0.94979	1.10193	-0.13131	0.20281	-0.34696
68	0	-1	-3	3.94656	1.0019	0.0507	1.34129	1.02155	1.17231	-0.08793	0.34176	-0.38457
69	0	-1	-2.75	3.95618	1.00016	-0.37831	1.34409	0.93753	1.21262	-0.0848	0.4575	-0.43196
70	0	-1	-2.5	3.84679	0.92123	-0.67914	1.37678	0.93645	1.20594	-0.10186	0.55993	-0.36524
71	0	-1	-2.25	3.92454	0.95733	-1.02742	1.31854	0.83225	1.30747	-0.08564	0.60861	-0.45887
72	0	-1	-2	3.88466	0.90244	-1.19722	1.28847	0.9014	1.2716	-0.11125	0.57971	-0.37536
73	0	-1	-1.75	3.91486	0.94085	-1.59338	1.23936	0.64064	1.32069	-0.03729	0.49627	-0.34602
74	0	-1	-1.5	3.83684	0.92245	-1.71317	1.13654	0.5695	1.2935	0.00673	0.42218	-0.27457
75	0	-1	-1.25	3.80902	0.88282	-1.73984	1.12839	0.43724	1.35636	0.00695	0.35234	-0.33529
76	0	-1	-1	3.74787	0.89641	-1.9193	1.15732	0.16132	1.32708	-0.00888	0.38688	-0.30372
77	0	-1	0	3.43322	0.87542	-2.24709	1.10521	-0.30106	1.16991	0.00899	0.06518	-0.19595
78	0	-1	1	3.13292	0.9677	-2.56716	1.10098	-0.54281	1.07945	0.05532	-0.0947	-0.179
79	0	-1	2	2.67422	0.95017	-3.05681	1.05069	-0.54969	0.97371	0.13912	-0.14988	-0.07584
80	0	-1	3	2.32885	0.83352	-3.42755	0.97136	-0.44453	0.90917	0.06225	-0.14398	-0.06349
81	0	-1	4	2.0253	0.75474	-3.5902	0.877	-0.48361	0.80789	0.01948	-0.10999	-0.06947
82	0	-1	5	1.64261	0.73163	-3.84702	0.83186	-0.41933	0.71111	0.0336	-0.105	0.03031
83	0	-1	6	1.29761	0.62213	-3.9801	0.66709	-0.43887	0.62385	-0.01661	-0.03081	0.03709
84	0	-1	7	0.90531	0.5745	-3.91949	0.61563	-0.46432	0.5918	-0.04586	-0.04368	0.05647

85	0	-1	8	0.67574	0.51412	-3.64782	0.58781	-0.50726	0.59396	-0.05756	-0.02266	0.07641
86	0	-1	9	0.58629	0.45333	-3.39131	0.58952	-0.53891	0.58457	-0.06525	-0.01997	0.03814
87	0	-1	10	0.65013	0.45211	-3.41944	0.59058	-0.52886	0.5647	-0.07223	-0.01552	0.05115
88	0	0	10	0.87667	0.48239	-3.65449	0.57404	-0.25146	0.58291	-0.07574	0.01766	0.06044
89	0	0	9	0.89966	0.48867	-3.81558	0.60641	-0.26879	0.58822	-0.09843	0.00186	0.04791
90	0	0	8	0.95305	0.47925	-3.52733	0.49429	-0.11283	0.49111	-0.0692	0.00476	0.03897
91	0	0	7	1.25501	0.49888	-3.74412	0.52556	-0.00696	0.50576	-0.06169	-1.39167E-4	0.02922
92	0	0	6	1.6264	0.57436	-4.00372	0.63434	0.10102	0.60386	8.34281E-4	-0.03145	0.02197
93	0	0	5	1.86618	0.62134	-3.68506	0.73972	0.10194	0.63314	0.02177	-0.05346	0.00107
94	0	0	4	2.10517	0.67686	-3.39008	0.87372	0.12714	0.71962	0.04802	-0.06781	-0.03539
95	0	0	3	2.41717	0.82322	-3.26167	0.95111	0.26772	0.86363	0.08731	-0.08345	-0.05143
96	0	0	2	2.71113	0.92884	-3.04136	1.03458	0.2924	1.02629	0.21055	-0.07987	-0.09867
97	0	0	1	3.367	1.07319	-2.75725	1.30237	0.14137	1.09151	0.40764	-0.18362	-0.23117
98	0	0	0	3.73556	0.9705	-2.42778	1.39242	-0.02628	1.19685	0.41069	-0.17471	-0.21726
99	0	0	-1	3.98676	0.99616	-2.07103	1.4305	0.01169	1.19004	0.36961	-0.04864	-0.28021
100	0	0	-1.25	3.94327	0.95571	-1.95143	1.36836	0.04019	1.27729	0.31608	0.16505	-0.28534
101	0	0	-1.5	3.89476	0.94843	-1.87028	1.41861	0.04746	1.15511	0.32165	0.12021	-0.32681
102	0	0	-1.75	3.95076	0.94583	-1.69133	1.42069	0.1441	1.20653	0.21416	0.29092	-0.3204
103	0	0	-2	4.02608	0.93968	-1.56793	1.42953	0.05141	1.19997	0.31625	0.31745	-0.33523
104	0	0	-2.25	3.83301	0.93244	-1.44439	1.38495	0.08471	1.17808	0.21158	0.35051	-0.34619
105	0	0	-2.5	3.67407	0.874	-0.69274	1.36033	0.22057	1.19278	0.17451	0.45158	-0.26183
106	0	0	-2.75	3.73199	0.92975	-0.44119	1.40808	0.24132	1.2501	0.18798	0.33944	-0.39834
107	0	0	-3	3.70411	0.89757	-0.14477	1.39218	0.20609	1.29219	0.10647	0.44614	-0.44782
108	0	0	-3.25	3.76793	0.95493	0.06892	1.40008	0.16499	1.29703	0.14486	0.37695	-0.47758
109	0	0	-3.5	3.57224	0.89666	0.24438	1.29679	0.14724	1.27903	0.1318	0.2309	-0.43735
110	0	1	-3.5	3.66683	0.93758	-0.48175	1.52956	-0.49426	1.29549	0.08575	0.48545	-0.382
111	0	1	-3.25	3.61799	0.9762	-0.5572	1.63523	-0.35882	1.26298	0.15676	0.4449	-0.39629
112	0	1	-3	3.56132	0.92786	-0.60726	1.65922	-0.31989	1.14413	0.1786	0.36717	-0.37706
113	0	1	-2.75	3.63597	0.93427	-0.89668	1.6679	-0.23546	1.12932	0.14552	0.39786	-0.34245
114	0	1	-2.5	3.54983	0.92769	-1.00544	1.66896	-0.0771	1.08346	0.18979	0.36876	-0.2808
115	0	1	-2.25	3.58058	0.81157	-1.17672	1.59319	-0.05293	0.98635	0.24043	0.06862	-0.26226
116	0	1	-2	3.65349	0.90936	-1.31545	1.66226	0.07673	1.07577	0.27868	0.08107	-0.33131
117	0	1	-1.75	3.52098	0.8563	-1.47542	1.62984	0.13552	0.99286	0.30562	0.07964	-0.22743
118	0	1	-1.5	3.64494	0.92091	-1.54356	1.62853	0.17863	1.0369	0.37226	-0.11232	-0.26299
119	0	1	-1.25	3.55075	0.91541	-1.77699	1.51778	0.30173	1.05446	0.29339	-0.05944	-0.22318
120	0	1	-1	3.45854	0.90498	-1.67711	1.50186	0.38446	0.99783	0.33387	-0.08903	-0.24255
121	0	1	0	3.38892	0.91918	-2.13237	1.35041	0.69695	1.05476	0.3436	-0.14218	-0.26046
122	0	1	1	3.14244	0.91403	-2.46696	1.36594	0.79674	1.00824	0.25478	0.05667	-0.07343
123	0	1	2	2.75323	0.82587	-2.82336	1.16197	0.74166	0.99874	0.16856	0.02287	-0.08542
124	0	1	3	2.61441	0.7604	-3.03049	1.04312	0.64658	0.87635	0.09452	-0.00442	-0.05904
125	0	1	4	2.38984	0.65022	-3.40434	0.93425	0.5338	0.73308	0.07813	-0.11567	-0.05978
126	0	1	5	2.1972	0.56974	-3.66551	0.7271	0.52492	0.60105	0.05354	-0.04046	0.03829
127	0	1	6	1.92355	0.54148	-3.71079	0.59551	0.45444	0.56997	-0.01116	0.00432	0.04196
128	0	1	7	1.71558	0.55049	-3.9255	0.57804	0.33758	0.56892	-0.04058	0.03149	0.06026
129	0	1	8	1.40526	0.5024	-3.86028	0.59126	0.13895	0.56134	-0.06494	0.03203	0.05735
130	0	1	9	1.28213	0.49112	-3.86145	0.58791	-0.00184	0.55919	-0.07964	0.02822	0.03315
131	0	1	10	1.16455	0.4698	-3.76068	0.55042	-0.04668	0.5559	-0.05764	0.00694	0.05168
132	0	2	10	1.50519	0.44782	-3.77701	0.52529	0.14862	0.52138	-0.04198	0.01433	0.03486
133	0	2	9	1.53773	0.45863	-3.59162	0.57706	0.25856	0.52395	-0.0466	0.02801	0.02127
134	0	2	8	1.75913	0.48411	-3.90946	0.62035	0.35282	0.565	-0.02124	0.06112	0.04459
135	0	2	7	1.94616	0.47628	-3.92158	0.59684	0.54064	0.5547	-0.00654	0.03216	0.04191
136	0	2	6	2.17955	0.48224	-3.93479	0.62445	0.67998	0.56707	0.0192	0.01733	0.04753
137	0	2	5	2.41692	0.54869	-3.90205	0.79028	0.87267	0.61753	0.03262	-0.0015	0.02801

138	0	2	4	2.57279	0.58319	-3.4121	0.99563	0.91053	0.67733	0.08842	-0.06551	0.00139
139	0	2	3	2.77598	0.67286	-3.00088	1.11359	0.85699	0.86293	-0.01607	-0.13633	-0.00691
140	0	2	2	2.94862	0.71165	-2.77832	1.15187	0.78562	0.86784	-0.00738	-0.08367	-0.01656
141	0	2	1	3.09336	0.7333	-2.71644	1.16683	0.75371	0.90978	0.05015	-0.10559	-0.03889
142	0	2	0	3.2215	0.72593	-2.72771	1.15223	0.64187	0.86417	0.08359	-0.06454	-0.0519
143	0	2	-1	3.196	0.69995	-2.61319	1.13197	0.46953	0.85	0.03365	0.02466	-0.06461
144	0	2	-1.25	3.31286	0.71267	-2.57493	1.15693	0.39138	0.85321	0.0551	-0.09337	-0.10908
145	0	2	-1.5	3.2066	0.80006	-2.00356	1.33142	0.46498	0.91528	0.14435	-0.1269	-0.22142
146	0	2	-1.75	3.20424	0.78153	-1.89854	1.2823	0.39038	0.89156	0.07066	0.03055	-0.20045
147	0	2	-2	3.42803	0.84185	-2.00373	1.40838	0.27102	0.95609	0.09066	0.03164	-0.26742
148	0	2	-2.25	3.2428	0.86291	-1.82409	1.40537	0.21277	0.94661	0.0971	0.03457	-0.26044
149	0	2	-2.5	3.11256	0.81369	-1.70682	1.35956	0.10955	0.87592	0.09854	-0.00537	-0.23221
150	0	2	-2.75	3.1138	0.83625	-1.52888	1.40396	0.0549	1.0224	0.0177	0.14998	-0.29012
151	0	2	-3	3.13002	0.88364	-1.40235	1.47326	-0.11505	0.9532	0.02688	0.21806	-0.3077
152	0	2	-3.25	3.10284	0.8815	-1.10397	1.44892	-0.23594	1.02195	-0.02077	0.27524	-0.30651
153	0	2	-3.5	3.08554	0.86038	-1.06325	1.53363	-0.33546	1.12907	0.0391	0.26937	-0.29414
154	0	3.0001	-3.5	2.77608	0.97231	-1.89226	1.32169	0.25351	1.05002	-0.02604	0.18673	-0.29381
155	0	3.0001	-3.25	2.96464	1.05539	-2.33279	1.20303	0.33015	1.01416	0.09391	0.10774	-0.37042
156	0	3.0001	-3	3.00155	0.98152	-2.32678	1.21034	0.4275	0.98437	0.09916	0.02802	-0.28466
157	0	3.0001	-2.75	2.96589	0.96188	-2.40476	1.09825	0.46483	0.90582	0.07144	0.0126	-0.35385
158	0	3.0001	-2.5	2.8199	0.92252	-2.4183	0.99053	0.53905	0.82367	0.08676	-0.01089	-0.26939
159	0	3.0001	-2.25	2.88403	0.88402	-2.52102	0.94093	0.57503	0.81582	0.04001	-0.01379	-0.2585
160	0	3.0001	-2	3.04843	0.8681	-2.5866	0.95066	0.55195	0.85563	0.02809	0.0127	-0.28068
161	0	3.0001	-1.75	3.33667	0.85315	-2.85112	0.99715	0.7103	0.93033	0.02152	0.01337	-0.27051
162	0	3.0001	-1.5	3.36649	0.80364	-2.7806	0.96988	0.65201	0.8629	0.03599	-0.01345	-0.21256
163	0	3.0001	-1.25	3.20932	0.77354	-2.70346	0.93444	0.61964	0.82448	-0.05258	0.01468	-0.12235
164	0	3.0001	-1	3.36578	0.7259	-2.84692	0.93559	0.64346	0.81742	-0.02694	0.00508	-0.10758
165	0	3.0001	0	3.35265	0.75174	-2.92188	1.04923	0.74544	0.84392	-0.03633	-0.00378	-0.04049
166	0	3.0001	1	3.22985	0.70488	-2.90622	1.09778	0.76746	0.78521	-0.02747	-0.07467	2.27917E-4
167	0	3.0001	2	3.06222	0.66695	-3.0548	1.1478	0.91015	0.79193	-0.03862	-0.06795	0.03419
168	0	3.0001	3	3.10122	0.69187	-3.59601	1.14004	1.14684	0.75421	0.10392	-0.0937	0.05457
169	0	3.0001	4	2.79189	0.62058	-3.91782	0.97549	1.21011	0.69642	0.02633	-0.01795	0.06217
170	0	3.0001	5	2.45789	0.53674	-3.91423	0.78306	1.03255	0.61885	0.03629	0.04675	0.06195
171	0	3.0001	6	2.24988	0.48112	-3.87828	0.62861	0.80862	0.55937	0.02736	0.04965	0.05018
172	0	3.0001	7	2.01862	0.45634	-3.65247	0.59465	0.62614	0.54875	-0.00611	0.07063	0.03559
173	0	3.0001	8	1.86178	0.43865	-3.54232	0.56149	0.53243	0.51469	-0.01103	0.04841	0.03439
174	0	3.0001	9	1.78397	0.40817	-3.42693	0.49778	0.3668	0.47438	-0.03129	0.03021	0.01589
175	0	3.0001	10	1.82288	0.43343	-3.56804	0.47809	0.27851	0.4916	-0.02937	0.00888	0.03178
176	0	4	10	2.17127	0.44338	-3.53709	0.44329	0.42339	0.4775	-0.01995	-0.01669	0.03082
177	0	4	9	2.25714	0.47481	-3.7715	0.51577	0.56944	0.55044	-0.02578	0.0205	0.03425
178	0	4	8	2.33562	0.4496	-3.86408	0.59507	0.67217	0.52749	-0.00102	0.04874	0.02837
179	0	4	7	2.32707	0.41139	-3.95817	0.61235	0.82477	0.55168	-0.00804	0.06293	0.0251
180	0	4	6	2.587	0.49139	-4.28739	0.71939	1.06943	0.59829	0.01928	0.09237	0.05912
181	0	4	5	2.69279	0.51947	-4.21528	0.7743	1.24637	0.62734	0.05008	0.08519	0.07857
182	0	4	4	2.8833	0.55186	-4.09435	0.90493	1.21896	0.63328	0.01598	-0.01844	0.09878
183	0	4	3	3.07765	0.60368	-3.72755	1.04	1.04206	0.65185	0.02549	-0.10415	0.0877
184	0	4	2	3.38191	0.64909	-3.79121	0.96907	0.86972	0.67624	0.01496	-0.07159	0.06512
185	0	4	1	3.39525	0.61627	-3.52767	0.8994	0.64758	0.66622	0.01394	-0.09271	0.04169
186	0	4	0	3.43611	0.64106	-3.34728	0.81866	0.45553	0.66219	-0.03749	-0.06305	0.0166
187	0	4	-1	3.43331	0.70843	-3.20467	0.85052	0.50612	0.72547	-0.08418	0.06709	-0.05714
188	0	4	-1.25	3.38451	0.70972	-3.02306	0.85288	0.53411	0.74198	-0.10169	0.0543	-0.09014
189	0	4	-1.5	3.16274	0.75057	-2.74703	0.87624	0.65377	0.86675	-0.07114	0.03596	-0.19377
190	0	4	-1.75	3.20514	0.85984	-2.76469	0.9256	0.77157	0.93504	-0.07706	0.05916	-0.29949

191	0	4	-2	3.04916	0.93807	-2.56887	0.96963	0.7941	0.94045	-0.06959	0.09488	-0.30751
192	0	4	-2.25	2.82568	0.97058	-2.51832	0.93406	0.92051	0.93301	-0.06975	0.12167	-0.35604
193	0	4	-2.5	2.77703	1.0069	-2.49796	0.96865	1.08964	1.01197	-0.0221	0.07738	-0.4682
194	0	4	-2.75	2.66986	1.11298	-2.51183	1.04093	1.08751	1.07389	0.05643	0.10042	-0.45426
195	0	4	-3	2.48514	1.09712	-2.37592	1.03882	1.15038	1.08742	0.02811	0.10209	-0.48847
196	0	4	-3.25	2.24296	1.07821	-2.21835	1.03349	1.13327	1.04741	0.04893	0.13016	-0.44808
197	0	4	-3.5	2.15149	1.1379	-2.00219	1.14539	1.18138	1.13795	0.07563	0.23743	-0.42362
198	0	5.0001	-3.5	1.96654	1.04673	-1.96423	1.20079	1.53852	1.1522	0.03148	0.37352	-0.24837
199	0	5.0001	-3.25	2.07647	1.01796	-1.99741	1.09897	1.3504	1.19633	0.05251	0.31409	-0.30126
200	0	5.0001	-3	2.40754	0.99486	-2.09024	1.06243	1.23997	1.27584	-0.08277	0.34345	-0.36026
201	0	5.0001	-2.75	2.57813	0.94624	-2.08172	0.98636	1.01321	1.18152	-0.09874	0.32559	-0.31688
202	0	5.0001	-2.5	2.87004	0.93728	-2.20093	0.96324	0.76634	1.08962	-0.17085	0.24785	-0.33854
203	0	5.0001	-2.25	3.08698	0.90571	-2.35163	1.00563	0.74555	1.05793	-0.23817	0.28306	-0.32671
204	0	5.0001	-2	3.17856	0.84338	-2.57698	0.97542	0.48277	0.95171	-0.22001	0.28182	-0.20998
205	0	5.0001	-1.75	3.30397	0.8181	-2.67063	0.91363	0.50985	0.91761	-0.1475	0.18225	-0.16474
206	0	5.0001	-1.5	3.44778	0.77612	-2.91952	0.96755	0.38967	0.82535	-0.16891	0.18998	-0.09598
207	0	5.0001	-1.25	3.58543	0.77132	-3.20265	0.89051	0.44326	0.84897	-0.11636	0.19283	-0.09496
208	0	5.0001	-1	3.71461	0.72687	-3.33647	0.88432	0.40571	0.77008	-0.07358	0.14778	-0.04681
209	0	5.0001	0	3.67368	0.64181	-3.77342	0.77526	0.37947	0.70535	-0.03335	0.04075	0.01282
210	0	5.0001	1	3.51602	0.6292	-3.89929	0.84746	0.44477	0.64594	0.06115	-0.00559	0.09155
211	0	5.0001	2	3.30753	0.60054	-4.13866	0.8171	0.72354	0.62386	0.0667	-0.03598	0.06171
212	0	5.0001	3	3.05513	0.59632	-4.23234	0.88077	0.91993	0.59138	0.1171	0.01258	0.0995
213	0	5.0001	4	2.8404	0.54639	-4.49017	0.75819	1.10597	0.58545	0.07278	0.07949	0.09066
214	0	5.0001	5	2.67836	0.52393	-4.61802	0.70467	1.19732	0.58342	0.05593	0.09786	0.06077
215	0	5.0001	6	2.62924	0.46896	-4.67218	0.60654	1.08477	0.54991	0.02578	0.07727	0.03329
216	0	5.0001	7	2.58889	0.45146	-4.52137	0.57054	0.94838	0.48669	0.01785	0.05581	0.0319
217	0	5.0001	8	2.60548	0.47372	-4.30929	0.51277	0.78579	0.53383	-0.00456	0.04586	0.0211
218	0	5.0001	9	2.58656	0.52199	-4.11209	0.48173	0.70241	0.52796	0.00611	0.00292	0.05247
219	0	5.0001	10	2.64579	0.54009	-3.87694	0.47403	0.63396	0.46978	-0.00857	-0.00293	0.06472
220	0	6	10	2.62309	0.6075	-4.10354	0.50277	0.7906	0.54986	-0.01847	-0.04395	0.04207
221	0	6	9	2.64088	0.55005	-4.3759	0.45505	0.81437	0.53199	-2.95844E-4	-0.00925	0.05304
222	0	6	8	2.69155	0.45966	-4.61782	0.45813	0.9109	0.48161	0.00678	-0.00213	0.03668
223	0	6	7	2.64717	0.45567	-4.75045	0.49395	1.0147	0.4872	0.00933	0.01921	0.01904
224	0	6	6	2.54655	0.46159	-4.74516	0.53654	1.03081	0.48402	0.02996	0.05115	0.04039
225	0	6	5	2.60043	0.49711	-4.73094	0.65286	1.05209	0.50403	0.04078	0.06158	0.03659
226	0	6	4	2.63734	0.49476	-4.70599	0.65661	0.92547	0.53464	0.04053	0.05202	0.05459
227	0	6	3	2.82875	0.54516	-4.47698	0.75888	0.65465	0.58549	0.07043	0.01588	0.06212
228	0	6	2	3.03287	0.5879	-4.42532	0.70219	0.34136	0.5777	0.0713	0.01988	0.08552
229	0	6	1	3.29513	0.62919	-4.32467	0.69823	0.20481	0.64157	0.01167	-0.02232	0.10543
230	0	6	0	3.50481	0.65358	-4.09132	0.72112	0.01949	0.67723	-0.00747	0.05983	0.08817
231	0	6	-1	3.6482	0.69374	-3.76677	0.79462	0.01266	0.74094	-0.05226	0.14313	-0.0054
232	0	6	-1.25	3.58876	0.73892	-3.59651	0.87728	-0.04668	0.77086	-0.07362	0.20487	0.02821
233	0	6	-1.5	3.64687	0.73303	-3.41409	0.87587	-0.06733	0.79131	-0.08255	0.22565	-0.00616
234	0	6	-1.75	3.64969	0.80424	-3.2083	0.9871	-0.03252	0.86478	-0.13126	0.25386	-0.01642
235	0	6	-2	3.61564	0.83268	-3.04756	0.98785	-0.11797	0.93181	-0.07032	0.28787	-0.02335
236	0	6	-2.25	3.58387	0.80038	-2.88545	1.00401	-0.17358	0.93499	-0.1196	0.28244	-0.03996
237	0	6	-2.5	3.53667	0.80046	-2.68359	1.02526	-0.24163	1.00504	-0.15	0.35377	-0.04498
238	0	6	-2.75	3.39863	0.82134	-2.54141	1.02419	-0.26244	1.0158	-0.06634	0.33665	0.01951
239	0	6	-3	3.16914	0.80009	-2.33445	0.9769	-0.18632	1.13679	-0.10328	0.32833	-0.03502
240	0	6	-3.25	2.96114	0.87348	-2.39847	0.99402	-0.08	1.19931	0.04543	0.32589	-0.04462
241	0	6	-3.5	2.66425	1.03116	-2.14612	1.19685	0.35884	1.45855	0.00144	0.37178	-0.13154

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 12 volts, No fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	2	-4.0004	10	0.02714	1.46024	-4.34255	1.69008	-2.03582	1.04709	-0.5789	-0.20357	0.49445
1	2	-4.0004	9	0.93037	1.17507	-5.13138	1.68244	-2.75285	0.99877	-0.1822	-0.01997	0.23662
2	2	-4.0004	8	1.05909	1.13305	-5.75638	1.5122	-3.55816	1.04539	-0.06634	-0.20199	0.22396
3	2	-4.0004	7	0.99842	1.12388	-6.26736	1.38884	-4.07846	1.22583	-0.23674	-0.24956	0.28603
4	2	-4.0004	6	1.27168	1.1956	-6.46581	1.38269	-4.27022	1.46352	-0.24194	-0.3127	0.38996
5	2	-4.0004	5	1.56763	1.42159	-6.1106	1.7625	-4.15909	1.72001	-0.40867	-0.19391	0.54371
6	2	-4.0004	4	1.84402	1.57379	-5.42314	2.3432	-3.58747	1.88733	-0.72818	-0.23172	0.40562
7	2	-4.0004	3	2.26807	1.78493	-5.08831	2.76317	-3.09872	2.15931	-1.19206	-0.45096	0.46102
8	2	-4.0004	2	2.65247	1.85604	-4.75635	3.00715	-2.92022	2.32278	-1.41802	-0.59268	0.49694
9	2	-4.0004	1	3.14015	1.98053	-4.3861	3.18575	-2.91026	2.59941	-1.76229	-0.78331	0.366
10	2	-4.0004	0	3.32062	2.05356	-3.95776	3.39792	-3.1133	2.58848	-2.55105	-0.75825	0.48113
11	2	-4.0004	-1	3.69497	2.18485	-3.79887	3.72568	-3.59455	2.73387	-2.7898	0.07792	0.00256
12	2	-4.0004	-2	3.71736	2.31748	-2.45398	3.93253	-4.6677	2.66216	-3.59099	0.30249	-0.56996
13	2	-4.0004	-3	3.71557	2.48382	0.12426	3.78579	-5.34296	2.59691	-3.94413	1.59873	-0.94715
14	2	-4.0004	-3.5	3.43652	2.685	1.70428	3.7309	-5.26893	2.6222	-4.57699	1.89057	-1.21621
15	5	-2.9999	10	0.82043	1.40303	-5.46634	1.68465	-1.86771	1.05697	-0.62692	-0.30265	0.3585
16	5	-2.9999	9	1.46238	1.17365	-6.14655	1.61248	-2.50861	1.03184	-0.34962	-0.32423	0.25454
17	5	-2.9999	8	1.75168	1.09717	-6.89904	1.34286	-3.04622	1.10537	-0.10876	-0.30914	0.21927
18	5	-2.9999	7	2.06504	1.07426	-7.35628	1.15652	-3.35525	1.19763	-0.04394	-0.18242	0.35598
19	5	-2.9999	6	2.53388	1.22396	-7.33633	1.36545	-3.26659	1.37755	-0.06664	-0.10304	0.55154
20	5	-2.9999	5	3.02695	1.39655	-6.9322	1.82282	-2.92643	1.57839	-0.07478	0.13081	0.46896
21	5	-2.9999	4	3.52826	1.44443	-6.68439	2.1866	-2.57012	1.70903	-0.25915	0.06226	0.0806
22	5	-2.9999	3	3.93774	1.66965	-6.58321	2.46155	-2.13662	2.02597	-0.72371	-0.17559	0.1722
23	5	-2.9999	2	4.36278	1.6893	-6.47864	2.68953	-2.09615	2.19099	-1.05337	-0.01221	0.40026
24	5	-2.9999	1	4.71689	1.75122	-6.03101	2.79197	-2.13639	2.38684	-1.09272	0.46068	-0.15658
25	5	-2.9999	0	4.89699	1.86318	-5.65191	3.0161	-2.30888	2.5202	-1.47611	0.46996	-0.25424
26	5	-2.9999	-1	5.24993	1.89237	-5.78929	3.12356	-2.82666	2.51923	-1.15029	0.1431	-0.11094
27	5	-2.9999	-2	5.46949	2.03638	-4.93303	3.36116	-3.96284	2.58311	-1.30048	0.85466	-0.51648
28	5	-2.9999	-3	5.73667	2.38428	-1.84098	3.50441	-4.80709	2.86447	-2.01567	1.11758	-0.97763
29	5	-2.9999	-3.5	6.18992	2.43478	-0.88322	3.18508	-4.8611	2.86307	-1.82883	0.90433	-1.1563
30	1	-2.0002	10	1.58385	1.25798	-6.21637	1.57279	-1.54244	1.08846	-0.61784	-0.30595	0.33711
31	1	-2.0002	9	2.22635	1.03854	-7.02042	1.33188	-2.21881	1.06018	-0.36669	-0.40469	0.26463
32	1	-2.0002	8	2.70641	0.95817	-7.76329	1.10284	-2.53968	1.00377	-0.0556	-0.25453	0.23806
33	1	-2.0002	7	3.19273	0.92641	-7.98501	1.02383	-2.73052	1.06765	0.0636	-0.13606	0.24237
34	1	-2.0002	6	3.8197	0.99647	-8.19041	1.12939	-2.59078	1.12516	0.21566	0.08275	0.31649
35	1	-2.0002	5	4.55748	1.18349	-7.86138	1.54201	-2.24245	1.31353	0.27015	0.02797	0.2708
36	1	-2.0002	4	5.04146	1.34206	-7.62692	1.87279	-1.99225	1.47448	0.07926	-0.03342	0.07747
37	1	-2.0002	3	5.50453	1.29961	-7.45205	2.13956	-1.84996	1.75662	-0.23944	0.02403	0.06614
38	1	-2.0002	2	5.91962	1.48915	-7.574	2.33976	-1.73263	1.78415	-0.64025	0.30816	-0.12705
39	1	-2.0002	1	6.10666	1.39968	-7.40974	2.27085	-1.80803	2.00699	-0.3019	0.37402	0.01917
40	1	-2.0002	0	6.17556	1.59665	-7.18058	2.53923	-1.77807	2.20303	-0.5846	0.17568	-0.23517
41	1	-2.0002	-1	6.36758	1.57866	-7.6408	2.58797	-2.09497	2.1498	-0.41833	0.28973	-0.33027

42	1	-2.0002	-2	6.33671	1.85728	-6.64138	2.85103	-2.69728	2.53147	0.01263	0.3672	-0.47666
43	1	-2.0002	-3	6.93575	2.28032	-3.10967	3.38563	-3.49409	2.8678	-0.7372	1.17451	-0.47086
44	1	-2.0002	-3.5	7.69783	2.33523	-1.51323	3.05945	-4.06916	2.89439	-0.24484	2.33969	-0.44574
45	4	-0.9997	10	2.35341	1.15862	-6.81801	1.36172	-1.40764	1.09858	-0.55446	-0.43977	0.33114
46	4	-0.9997	9	2.97906	0.95465	-7.77286	1.04181	-1.73765	0.99352	-0.22397	-0.34171	0.19631
47	4	-0.9997	8	3.47072	0.80863	-8.31844	0.87655	-2.00383	0.88627	-0.01201	-0.1857	0.13873
48	4	-0.9997	7	4.17417	0.83585	-8.48553	0.86426	-2.07465	0.90207	0.15348	-0.00812	0.18237
49	4	-0.9997	6	4.87534	0.89656	-8.57821	0.99425	-2.13194	0.91436	0.2057	0.06275	0.2409
50	4	-0.9997	5	5.59183	0.94423	-8.61109	1.1675	-1.79106	0.99402	0.23956	0.00857	0.18106
51	4	-0.9997	4	6.2	1.00697	-8.52457	1.40585	-1.71772	1.09949	0.19965	0.0087	0.05542
52	4	-0.9997	3	6.6889	0.99218	-8.53442	1.50769	-1.65126	1.24487	0.19741	-0.02397	0.0133
53	4	-0.9997	2	7.00564	1.04577	-8.59902	1.61258	-1.47249	1.32598	-0.06798	0.15557	0.037
54	4	-0.9997	1	7.26758	1.11244	-8.3814	1.75618	-1.53221	1.46655	-0.08992	0.23505	-0.11969
55	4	-0.9997	0	7.04105	1.31085	-8.30407	2.05718	-1.23298	1.86731	-0.02502	0.11442	-0.45693
56	4	-0.9997	-1	6.94732	1.56811	-8.51103	2.22689	-1.15834	2.12815	-0.18892	0.40443	-0.6294
57	4	-0.9997	-2	6.76018	1.87271	-7.94093	2.51819	-0.9249	2.3474	-0.0211	0.94706	-0.8325
58	4	-0.9997	-3	7.48624	2.43813	-4.36949	3.31291	-1.29428	2.83806	0.4131	1.99466	-0.86676
59	4	-0.9997	-3.5	8.29067	2.4966	-2.37733	3.31628	-1.47734	2.91484	0.29158	2.44051	-0.08389
60	0	0	10	3.07009	1.10416	-7.18372	1.21513	-1.08743	1.06189	-0.46463	-0.45752	0.35155
61	0	0	9	3.70476	0.83302	-7.96466	0.89458	-1.51601	0.91309	-0.12061	-0.25459	0.20848
62	0	0	8	4.23872	0.69671	-8.40481	0.68069	-1.71575	0.70352	0.05558	-0.05957	0.09197
63	0	0	7	4.99601	0.70565	-8.66193	0.71252	-1.77949	0.70141	0.12674	-0.0169	0.13736
64	0	0	6	5.74891	0.75751	-8.86603	0.79544	-1.67837	0.7254	0.15112	-0.01793	0.10678
65	0	0	5	6.47686	0.7759	-8.88257	0.98021	-1.51749	0.85964	0.20438	0.09659	0.12148
66	0	0	4	6.9979	0.76348	-8.97266	1.02902	-1.42933	0.84234	0.21519	0.01639	0.0357
67	0	0	3	7.39412	0.77969	-9.11378	1.03861	-1.30626	0.9184	0.2991	-0.02714	-0.01714
68	0	0	2	7.68576	0.73147	-9.28026	0.98985	-1.23636	0.94675	0.15723	0.09714	-0.01519
69	0	0	1	7.83664	0.81129	-9.17345	1.12515	-1.10405	1.01154	0.19176	0.08665	1.63488E-4
70	0	0	0	7.84659	1.08379	-9.14474	1.53207	-0.85081	1.44178	0.17644	0.19852	-0.26718
71	0	0	-1	7.69358	1.28499	-9.32556	1.56146	-0.30363	1.71938	0.06136	-0.00453	-0.69449
72	0	0	-2	6.97856	1.99574	-8.41412	2.34293	0.76176	2.32523	-0.51153	1.69253	-1.51759
73	0	0	-3	7.40657	2.42374	-5.68294	3.39759	0.9652	2.52949	1.07913	2.66022	-0.77676
74	0	0	-3.5	8.24604	2.60228	-3.62763	3.64707	0.53718	2.73372	1.12575	3.11502	-0.74023
75	3	1.0005	10	3.83731	0.96961	-7.27251	1.01733	-0.8284	1.09314	-0.19838	-0.29026	0.12013
76	3	1.0005	9	4.43774	0.7142	-8.04889	0.68735	-1.14178	0.81824	-7.73504E-4	-0.12256	0.10483
77	3	1.0005	8	4.97943	0.63712	-8.41932	0.58883	-1.3404	0.65801	0.08593	-0.0581	0.0717
78	3	1.0005	7	5.66911	0.64676	-8.67027	0.64629	-1.43199	0.64887	0.13986	-0.0388	0.0688
79	3	1.0005	6	6.34025	0.63594	-8.94248	0.65686	-1.42562	0.68645	0.12356	-0.02531	0.04384
80	3	1.0005	5	6.94468	0.69251	-9.06246	0.71535	-1.28455	0.68359	0.20037	-0.01499	0.04002
81	3	1.0005	4	7.40534	0.66166	-9.22936	0.74486	-1.1307	0.77658	0.19632	-0.00334	-0.01853
82	3	1.0005	3	7.62779	0.69013	-9.44553	0.72181	-1.0414	0.74794	0.20968	-0.01389	0.02596
83	3	1.0005	2	7.93966	0.70201	-9.48725	0.7786	-0.99528	0.85348	0.21457	-0.02377	0.00409
84	3	1.0005	1	8.15171	0.72856	-9.5208	0.82348	-0.93645	0.92425	0.21337	-0.02486	-0.01771
85	3	1.0005	0	8.2662	0.83271	-9.50629	1.00493	-0.59084	1.12303	0.22009	0.07406	-0.1454
86	3	1.0005	-1	8.3158	1.08089	-9.21838	1.26349	0.14544	1.59939	0.05818	0.2402	-0.49231
87	3	1.0005	-2	7.56342	1.85716	-8.63689	2.00856	1.55859	2.13704	-0.22718	1.20569	-1.56249
88	3	1.0005	-3	7.1114	2.51824	-6.58603	3.16108	2.29983	2.36112	0.07002	2.94502	-1.23803
89	3	1.0005	-3.5	7.40931	2.61727	-4.61366	3.56777	1.91278	2.49913	0.68163	3.13748	-0.98058
90	-1	2.0002	10	4.4541	0.91975	-7.1937	0.95018	-0.51133	1.05036	-0.09793	-0.383	0.0486
91	-1	2.0002	9	4.96787	0.72047	-7.872	0.66872	-0.92438	0.75541	0.0378	-0.12884	0.08523
92	-1	2.0002	8	5.34581	0.59533	-8.43529	0.47601	-1.12461	0.60309	0.08631	-0.04496	0.0453
93	-1	2.0002	7	5.9634	0.57068	-8.76396	0.47003	-1.23038	0.55413	0.09996	-0.01793	0.04102
94	-1	2.0002	6	6.46509	0.59142	-9.14457	0.495	-1.22919	0.59544	0.12435	-0.02104	0.0231

95	-1	2.0002	5	7.01416	0.62188	-9.30063	0.53233	-1.08181	0.61522	0.15997	3.79687E-4	0.01726
96	-1	2.0002	4	7.40101	0.64089	-9.57377	0.55147	-0.98808	0.65693	0.20152	-0.02794	0.01972
97	-1	2.0002	3	7.68614	0.61065	-9.68643	0.59586	-0.92958	0.73319	0.1992	-0.03548	-0.00935
98	-1	2.0002	2	7.97223	0.64966	-9.6274	0.62305	-0.90294	0.76769	0.20866	0.01308	0.0012
99	-1	2.0002	1	8.19328	0.62805	-9.56706	0.63583	-0.82453	0.84921	0.17169	0.00669	-0.01745
100	-1	2.0002	0	8.54058	0.72582	-9.33656	0.7943	-0.41238	0.94612	0.25966	0.07287	-0.10528
101	-1	2.0002	-1	8.86207	0.92702	-8.8543	1.02393	0.34786	1.42872	0.13234	0.32115	-0.34683
102	-1	2.0002	-2	8.42277	1.60579	-8.15441	1.71424	1.72396	2.00208	-0.05353	0.73934	-1.31002
103	-1	2.0002	-3	6.89295	2.37282	-6.78254	3.05626	2.84558	2.28394	-0.5021	3.0513	-1.80157
104	-1	2.0002	-3.5	6.72443	2.3974	-5.43516	3.29896	2.75252	2.40991	-0.25186	3.03486	-1.60254
105	-5	2.9999	10	5.16054	0.96051	-7.09208	0.93857	-0.22207	1.02987	-0.01704	-0.30906	0.05005
106	-5	2.9999	9	5.49279	0.66735	-7.85546	0.60097	-0.46944	0.70367	0.11256	-0.09255	0.02402
107	-5	2.9999	8	5.77913	0.58791	-8.4635	0.47731	-0.77077	0.61508	0.11798	-0.03597	0.03583
108	-5	2.9999	7	6.24157	0.55264	-8.86691	0.44901	-0.90386	0.58539	0.13536	-0.02471	0.00917
109	-5	2.9999	6	6.70848	0.60875	-9.23014	0.48779	-0.89511	0.59417	0.18064	-0.00469	0.02414
110	-5	2.9999	5	7.0755	0.60682	-9.5769	0.48742	-0.82253	0.68075	0.18454	-0.02318	0.01216
111	-5	2.9999	4	7.30233	0.74447	-9.84746	0.57565	-0.73973	0.72076	0.27744	-0.02174	-0.01553
112	-5	2.9999	3	7.52783	0.64545	-9.94292	0.54897	-0.82432	0.71433	0.22547	0.01072	0.03307
113	-5	2.9999	2	7.89032	0.65638	-9.92025	0.56907	-0.85085	0.8124	0.24208	-0.00519	-8.35179E-5
114	-5	2.9999	1	8.23938	0.63278	-9.74263	0.5616	-0.76882	0.80118	0.18546	0.01084	-0.02349
115	-5	2.9999	0	8.65151	0.64736	-9.38372	0.67544	-0.48894	0.88304	0.2093	0.05302	-0.05771
116	-5	2.9999	-1	9.16582	0.86597	-8.60033	0.97561	0.04924	1.09416	0.32125	0.30884	-0.00996
117	-5	2.9999	-2	9.36759	1.20678	-7.69239	1.40978	0.79838	1.69712	0.1544	0.54519	-0.44254
118	-5	2.9999	-3	8.05545	1.97524	-7.16347	2.39947	2.10848	2.22458	-0.52594	2.08353	-1.40731
119	-5	2.9999	-3.5	7.5508	2.257	-6.35948	3.01561	1.91282	2.20856	-1.02346	2.91703	-1.60678
120	-2	4.0004	10	5.78325	0.89387	-7.14022	0.95829	0.27515	0.99466	0.06192	-0.34396	0.01191
121	-2	4.0004	9	6.0843	0.65006	-7.91001	0.5728	-0.08762	0.68696	0.17675	-0.08628	-0.04069
122	-2	4.0004	8	6.19185	0.58813	-8.41692	0.48805	-0.39775	0.65575	0.16874	-0.02203	0.00855
123	-2	4.0004	7	6.45795	0.54808	-8.86507	0.46091	-0.50098	0.63599	0.15356	-0.00506	0.01867
124	-2	4.0004	6	6.69946	0.61375	-9.38842	0.4665	-0.52933	0.65448	0.18233	0.00806	0.01315
125	-2	4.0004	5	6.9295	0.70268	-9.68161	0.50661	-0.55118	0.71036	0.23186	-0.00475	0.00838
126	-2	4.0004	4	7.00028	0.73942	-10.0185	0.58366	-0.67279	0.74727	0.26531	0.02884	0.04419
127	-2	4.0004	3	7.15301	0.85688	-10.19563	0.63208	-0.76384	0.81713	0.36465	-0.04383	0.00938
128	-2	4.0004	2	7.39879	0.86452	-10.26966	0.63816	-0.98954	0.8454	0.35486	0.01897	0.06009
129	-2	4.0004	1	8.01287	0.70747	-9.96511	0.57647	-0.9803	0.79982	0.24863	0.05537	0.03038
130	-2	4.0004	0	8.60181	0.68032	-9.55648	0.60439	-0.76733	0.91035	0.21466	0.06361	-0.00855
131	-2	4.0004	-1	9.14966	0.80148	-8.74713	0.85493	-0.33634	0.93059	0.32646	0.18594	-0.01989
132	-2	4.0004	-2	9.56733	0.99004	-7.72792	1.28738	-0.23766	1.17983	0.42794	0.45488	-0.05378
133	-2	4.0004	-3	9.01051	1.28917	-7.38138	1.6491	0.16428	1.80986	0.45272	0.51623	-0.51243
134	-2	4.0004	-3.5	8.54645	1.46565	-7.08816	1.90648	0.10046	1.95876	-0.19901	1.19278	-0.71372
135	2	4.9995	10	6.39821	0.77759	-7.64535	0.85623	0.78911	0.83275	0.20742	-0.16183	-0.04923
136	2	4.9995	9	6.41284	0.64404	-8.22282	0.56561	0.28328	0.69838	0.19921	-0.04524	-0.0046
137	2	4.9995	8	6.43284	0.62175	-8.71053	0.46365	0.00468	0.6457	0.184	-0.01351	0.01751
138	2	4.9995	7	6.45999	0.68312	-9.19199	0.48347	-0.16749	0.67299	0.21542	1.26748E-5	-0.00687
139	2	4.9995	6	6.49367	0.67536	-9.61019	0.49026	-0.30122	0.65926	0.20926	0.00128	0.00332
140	2	4.9995	5	6.45973	0.8126	-10.01253	0.58476	-0.46537	0.7768	0.30558	0.01705	0.03375
141	2	4.9995	4	6.33734	1.01518	-10.31975	0.63885	-0.67622	0.86257	0.38255	0.07161	0.1543
142	2	4.9995	3	6.44393	1.05488	-10.50359	0.70058	-0.88438	0.89674	0.41791	0.04158	0.15728
143	2	4.9995	2	6.93647	0.90213	-10.512	0.63701	-1.0609	0.88764	0.33413	0.01683	0.05646
144	2	4.9995	1	7.603	0.79597	-10.30614	0.6058	-1.06968	0.85905	0.31285	0.04525	0.07524
145	2	4.9995	0	8.37849	0.76271	-9.87758	0.64342	-1.02776	0.87439	0.31323	0.08457	0.07915
146	2	4.9995	-1	9.00419	0.66181	-9.2927	0.65338	-0.78109	0.80492	0.17664	0.12392	0.01219
147	2	4.9995	-2	9.38636	0.89114	-8.43462	1.03972	-0.78393	0.88292	0.43684	0.12144	-0.06042

148	2	4.9995	-3	9.20648	0.96799	-8.05037	1.28188	-0.97454	1.20924	0.35558	0.00578	-0.16828
149	2	4.9995	-3.5	9.02053	1.00145	-7.94805	1.46533	-0.98244	1.37112	0.22044	0.04809	-0.25211
150	5	6	10	6.46079	0.71507	-8.59432	0.66139	1.15262	0.72306	0.22961	-0.05884	-0.02475
151	5	6	9	6.39734	0.6349	-8.98315	0.51829	0.60666	0.63063	0.16824	-0.02912	-0.04552
152	5	6	8	6.27022	0.6242	-9.37092	0.45389	0.27428	0.64869	0.14737	-0.00604	-0.01603
153	5	6	7	6.16076	0.69409	-9.66198	0.46995	0.00158	0.70894	0.16674	0.03152	-0.02311
154	5	6	6	6.0028	0.74737	-9.93629	0.455	-0.12407	0.72091	0.16509	0.0024	0.00849
155	5	6	5	5.83482	0.92076	-10.25211	0.56547	-0.39063	0.8628	0.27947	0.05511	0.06505
156	5	6	4	5.69189	0.96774	-10.50454	0.58745	-0.63714	0.87339	0.30345	0.02622	0.04948
157	5	6	3	6.16944	0.75187	-10.52761	0.54574	-0.7445	0.81671	0.21263	0.0152	0.03988
158	5	6	2	6.28187	0.87114	-10.68069	0.56028	-0.85901	0.89941	0.26585	0.04398	0.0952
159	5	6	1	6.78048	0.81058	-10.70917	0.54271	-1.17623	0.83586	0.24959	0.04472	0.08964
160	5	6	0	7.57958	0.7902	-10.53866	0.55724	-1.37258	0.817	0.24135	0.04828	0.08944
161	5	6	-1	8.36338	0.75325	-10.20628	0.66128	-1.39921	0.87743	0.28797	0.09469	0.07434
162	5	6	-2	8.91803	0.81878	-9.54628	0.82768	-0.91339	1.01589	0.26824	0.14268	-0.06469
163	5	6	-3	8.98527	1.00703	-8.84371	1.07043	0.07866	1.30411	0.35117	0.05771	-0.26695
164	5	6	-3.5	8.64659	1.15405	-9.03077	1.26348	0.19795	1.32647	0.60536	-0.22604	-0.59437

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 12 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-4	10	0.5102	0.90979	-4.85503	1.18534	-2.78381	1.04385	-0.00247	0.01748	0.06199
1	0	-4	9	0.2545	0.97211	-4.475	1.21894	-3.28646	1.03851	0.00192	0.00316	0.23794
2	0	-4	8	0.09961	1.07631	-4.50289	1.36439	-3.84475	1.11859	-0.06538	-0.25109	0.25763
3	0	-4	7	-0.15102	1.07913	-4.90604	1.53249	-4.36538	1.18789	0.01176	-0.42883	0.2695
4	0	-4	6	-0.37757	1.27555	-5.50487	1.61484	-5.18545	1.38464	-0.00698	-0.64009	0.35396
5	0	-4	5	-0.5471	1.37448	-6.06427	1.68153	-5.86397	1.44699	-0.10663	-0.65747	0.22659
6	0	-4	4	-0.23401	1.59303	-5.90191	1.87756	-6.32204	1.61566	-0.08305	-0.56815	0.2159
7	0	-4	3	0.20225	1.64072	-5.47937	1.97533	-6.47557	1.82045	-0.33518	-0.71316	0.16891
8	0	-4	2	0.72594	1.7899	-5.04296	2.14584	-6.39436	1.98351	-0.8602	-0.53379	0.11293
9	0	-4	1	0.89889	1.97232	-4.35092	2.41897	-5.64024	2.38614	-1.25967	-0.87222	0.21144
10	0	-4	0	1.15675	2.17	-3.88046	2.75304	-5.07557	2.685	-2.01108	-1.28649	0.54395
11	0	-4	-1	1.48152	2.41515	-3.34519	3.17535	-5.64475	2.81348	-2.9076	-1.63908	0.92429
12	0	-4	-1.25	1.5775	2.43099	-2.83352	3.39286	-5.93041	2.81475	-3.06412	-1.2909	0.35691
13	0	-4	-1.5	1.75417	2.48596	-2.39316	3.59502	-6.35954	2.76145	-3.45218	-1.7795	0.91163
14	0	-4	-1.75	1.78188	2.45128	-1.34166	3.81485	-6.75244	2.61259	-3.75207	-1.32994	0.36947
15	0	-4	-2	1.65951	2.60517	-0.56189	3.86104	-6.92341	2.68408	-3.72964	-1.45774	0.48982
16	0	-4	-2.25	1.8517	2.64864	0.57308	3.8817	-7.14712	2.65493	-4.03306	-0.20711	0.04513
17	0	-4	-2.5	2.10996	2.62049	0.92686	3.86758	-5.78659	2.70872	-4.16389	-0.45589	0.49039
18	0	-4	-2.75	1.91625	2.20588	1.67415	3.25478	-6.98704	2.39296	-2.0993	0.585	-0.27862
19	0	-4	-3	1.7863	2.10199	2.7491	3.00638	-7.04779	2.30568	-1.62029	0.42265	-0.70109
20	0	-4	-3.25	1.8879	2.02171	3.80842	2.75282	-6.83821	2.18639	-1.52586	0.58222	-0.52509
21	0	-4	-3.5	1.56659	1.90495	4.93621	2.62823	-6.68872	2.14298	-1.18578	0.79066	-0.20796
22	0	-3.0001	-3.5	4.3769	2.73873	4.57663	3.315	-4.26785	3.07159	-3.52233	2.02529	0.09644

23	0	-3.0001	-3.25	5.12404	2.99311	4.13815	3.65095	-3.33643	3.20081	-4.63683	1.10025	0.92664
24	0	-3.0001	-3	5.56495	3.09665	2.29819	4.18119	-3.02831	3.34005	-5.15348	0.35467	1.03025
25	0	-3.0001	-2.75	5.93079	2.89425	0.43403	4.32589	-2.651	3.41362	-4.31177	-0.44439	1.90844
26	0	-3.0001	-2.5	5.10026	2.69541	-0.89253	3.90599	-4.40323	3.00805	-3.50127	-0.76545	0.98152
27	0	-3.0001	-2.25	5.02778	2.55547	-1.98022	3.70207	-4.05847	2.86446	-3.313	-1.29996	1.36472
28	0	-3.0001	-2	4.89064	2.51951	-2.86502	3.45067	-3.96172	2.82518	-2.95395	-1.11806	0.85544
29	0	-3.0001	-1.75	4.82977	2.2938	-3.90143	3.24689	-3.28523	2.8674	-2.76985	-1.5954	1.11744
30	0	-3.0001	-1.5	4.6071	2.29956	-4.26558	3.09796	-3.40043	2.74725	-2.28684	-1.73978	0.88806
31	0	-3.0001	-1.25	4.35615	2.15173	-4.55118	2.84705	-3.60341	2.62307	-1.85892	-1.369	1.04682
32	0	-3.0001	-1	4.17892	2.19048	-4.60083	2.9001	-3.26944	2.74893	-1.74623	-1.50976	0.70589
33	0	-3.0001	0	3.35759	2.08822	-4.51781	2.53521	-3.45878	2.48789	-1.4387	-0.89114	0.02269
34	0	-3.0001	1	3.14233	1.99322	-4.58909	2.49482	-3.78593	2.24559	-1.42706	-0.37584	0.07733
35	0	-3.0001	2	2.58299	1.85875	-5.1554	2.20952	-4.19656	2.01788	-0.90241	-0.40222	0.21594
36	0	-3.0001	3	1.99761	1.68488	-5.80924	1.96725	-4.32474	1.70341	-0.48142	-0.45198	-0.01567
37	0	-3.0001	4	1.2761	1.46128	-6.36566	1.96407	-4.23116	1.69319	-0.33979	-0.57002	0.22238
38	0	-3.0001	5	0.68678	1.40506	-6.65845	1.66395	-4.19039	1.47484	-0.13798	-0.29553	0.28479
39	0	-3.0001	6	0.24379	1.32755	-6.6337	1.5895	-3.80643	1.32824	-0.27473	-0.55599	0.41157
40	0	-3.0001	7	0.05883	1.18153	-6.1448	1.49334	-3.43239	1.24865	-0.22564	-0.47795	0.33661
41	0	-3.0001	8	0.07578	1.07495	-5.61968	1.41454	-3.09541	1.14685	-0.17717	-0.26586	0.24953
42	0	-3.0001	9	0.34748	0.97751	-5.46937	1.30525	-2.5551	1.10616	-0.09855	-0.11029	0.21099
43	0	-3.0001	10	0.6225	0.88681	-5.53296	1.20756	-2.26774	0.98546	-0.12636	-0.08081	0.13452
44	0	-2	10	0.76713	0.9337	-6.19264	1.22959	-1.73611	1.08042	-0.18428	-0.10205	0.18044
45	0	-2	9	0.66229	1.07887	-6.20698	1.29923	-1.96151	1.19024	-0.19319	-0.13576	0.38583
46	0	-2	8	0.45405	1.15291	-6.67337	1.41292	-2.11539	1.27993	-0.29242	-0.28468	0.41074
47	0	-2	7	0.61274	1.23531	-7.59742	1.52435	-2.19014	1.31476	-0.11506	-0.4851	0.32871
48	0	-2	6	1.02731	1.44846	-8.16696	1.62149	-2.36367	1.46455	0.10785	-0.53918	0.49838
49	0	-2	5	1.96323	1.56175	-8.08799	1.78026	-2.45402	1.5605	0.06828	-0.48941	0.33593
50	0	-2	4	3.08597	1.7955	-7.28819	1.98883	-2.70915	1.64207	-0.12721	-0.40926	0.16864
51	0	-2	3	4.05424	1.80807	-6.93815	2.11848	-2.84648	1.79585	-0.42792	-0.66425	-0.01717
52	0	-2	2	4.72289	1.94409	-6.16499	2.35829	-2.97516	2.04883	-0.41753	-0.5963	-0.30021
53	0	-2	1	5.31329	2.0759	-5.64048	2.44577	-2.8548	2.37837	-0.90075	-0.46612	0.11064
54	0	-2	0	5.91552	2.10182	-5.47867	2.38639	-2.0284	2.54222	-1.05299	0.03577	-0.28789
55	0	-2	-1	6.59961	1.94318	-5.48998	2.31044	-1.1334	2.93417	-0.29147	0.38681	-0.34557
56	0	-2	-1.25	6.84757	1.98234	-5.37794	2.22932	-0.81836	2.84619	-0.25023	0.45217	-0.48887
57	0	-2	-1.5	7.14689	1.97367	-5.35401	2.39212	-0.54115	2.84177	-0.33048	0.74386	-0.23014
58	0	-2	-1.75	7.34524	1.95544	-4.88965	2.54823	-0.40398	2.93754	-0.50116	0.77091	-0.08514
59	0	-2	-2	7.74815	2.07607	-4.57915	2.89496	-0.19601	3.11998	-0.16544	1.40521	-0.34743
60	0	-2	-2.25	7.7633	2.19598	-3.78908	3.08184	-0.02358	3.13518	-0.84706	1.70093	-0.65495
61	0	-2	-2.5	8.05442	2.36584	-2.78075	3.50737	0.1031	3.24544	-1.16101	1.68472	-0.37304
62	0	-2	-2.75	8.13634	2.56739	-1.5249	3.67403	0.21803	3.30454	-2.20114	2.39716	-0.21543
63	0	-2	-3	8.08876	2.55748	0.2636	3.75876	0.24665	3.36582	-3.70896	1.44532	-0.40682
64	0	-2	-3.25	8.00944	2.78742	1.75697	3.78966	-0.16961	3.38024	-3.3352	1.0899	0.40253
65	0	-2	-3.5	7.31738	2.80369	3.67225	3.55178	-0.26044	3.28906	-4.22317	0.47501	0.47682
66	0	-1	-3.5	8.76179	2.28529	1.44303	3.1573	1.91276	2.51281	-2.21119	1.53808	-1.45085
67	0	-1	-3.25	8.8163	2.355	0.60233	3.16202	2.18998	2.80711	-2.09675	1.9045	-1.70517
68	0	-1	-3	8.85168	2.25914	-0.40382	3.09491	2.29697	2.70566	-1.56502	2.60952	-1.69666
69	0	-1	-2.75	8.80258	2.17344	-1.63015	2.85471	2.14916	2.82719	-0.73217	2.58552	-1.80732
70	0	-1	-2.5	8.85319	2.23724	-2.60323	2.89877	1.61682	3.15411	-0.31626	2.8015	-2.00531
71	0	-1	-2.25	8.66074	2.08738	-3.33094	2.69857	1.50208	2.96838	-0.17165	2.11508	-1.6593
72	0	-1	-2	8.6996	2.04122	-3.97776	2.5939	1.18045	3.0293	-0.029	2.05796	-1.15479
73	0	-1	-1.75	8.42553	2.00893	-4.48932	2.48205	0.85249	3.09845	0.1615	1.90155	-1.20976
74	0	-1	-1.5	8.31473	2.0027	-4.87545	2.4411	0.13552	2.87421	0.11505	1.30563	-0.9015
75	0	-1	-1.25	8.20043	2.02063	-4.87784	2.47683	0.0255	2.93894	0.54817	0.61118	-1.20605

76	0	-1	-1	8.15589	1.99434	-5.3134	2.44272	-0.48539	2.92463	0.30374	0.55472	-1.04032
77	0	-1	0	7.57329	2.06889	-5.52642	2.46234	-1.70945	2.42013	0.23826	-0.67307	-0.41897
78	0	-1	1	6.77618	2.03876	-5.87525	2.32882	-1.93432	2.28027	0.46149	-0.5106	-0.39825
79	0	-1	2	5.98025	1.98685	-6.2862	2.26146	-1.81473	2.14059	0.66697	-0.54406	-0.5724
80	0	-1	3	4.8595	1.87149	-6.30412	2.1527	-1.47369	1.82553	0.21671	-0.48785	-0.07902
81	0	-1	4	3.9436	1.71383	-7.00329	1.88583	-1.33434	1.73227	0.15004	-0.483	0.01061
82	0	-1	5	2.91818	1.47269	-7.939	1.80482	-1.23663	1.51188	0.16216	-0.57178	0.10241
83	0	-1	6	2.06929	1.43378	-8.20147	1.57309	-1.14554	1.42057	0.14532	-0.22626	0.31245
84	0	-1	7	1.35339	1.27953	-7.7315	1.37284	-1.12361	1.36845	-0.18595	-0.4768	0.5012
85	0	-1	8	1.10756	1.12159	-6.87939	1.35772	-1.34564	1.30195	-0.33311	-0.40542	0.37685
86	0	-1	9	1.09705	1.10994	-6.4367	1.33798	-1.38705	1.27049	-0.36759	-0.18821	0.33317
87	0	-1	10	1.24985	1.01154	-6.43894	1.21541	-1.25422	1.12589	-0.26119	-0.01391	0.23777
88	0	0	10	1.63837	1.04782	-6.84761	1.15013	-0.79658	1.1345	-0.24975	0.00884	0.1631
89	0	0	9	1.55606	1.06153	-6.88408	1.21574	-0.7273	1.30084	-0.23946	-0.13832	0.26113
90	0	0	8	1.77858	1.14199	-7.36842	1.22695	-0.44989	1.36586	-0.207	-0.20448	0.41224
91	0	0	7	2.30988	1.28494	-8.02404	1.36067	-0.25265	1.45036	0.00374	-0.19501	0.44059
92	0	0	6	3.16016	1.3725	-8.29851	1.57126	0.15885	1.50748	0.27533	-0.55783	0.24503
93	0	0	5	3.74588	1.52182	-7.96989	1.90325	0.13828	1.59642	0.41426	-0.23637	0.2889
94	0	0	4	4.6833	1.69166	-7.51745	2.03115	0.08932	1.77687	0.52541	-0.50083	-0.01175
95	0	0	3	5.55377	1.88173	-6.82174	1.96612	0.05492	1.86919	0.67334	-0.45157	-0.16364
96	0	0	2	6.36648	1.95798	-6.09036	2.33079	-0.08676	2.09373	0.96648	-1.00978	-0.54999
97	0	0	1	7.19657	1.99751	-5.58429	2.53459	-0.33071	2.31376	1.24018	-1.25126	-0.78611
98	0	0	0	7.67939	2.01202	-5.17314	2.55867	-0.02812	2.36962	1.12934	-0.72293	-0.74975
99	0	0	-1	8.25282	2.07102	-4.51358	2.61263	0.51744	2.59641	1.19741	0.3783	-1.03421
100	0	0	-1.25	8.32699	2.02576	-4.41194	2.59665	0.80713	2.62155	1.34694	0.77817	-1.44348
101	0	0	-1.5	8.48154	2.07615	-4.15289	2.70999	0.70173	2.66936	0.94264	1.00896	-0.94106
102	0	0	-1.75	8.60852	2.1224	-3.81113	2.71169	1.18777	2.60532	1.10092	1.73536	-0.88466
103	0	0	-2	8.58537	2.1504	-3.42968	2.7359	1.27054	2.85883	0.93225	2.07477	-1.55252
104	0	0	-2.25	8.6132	2.0874	-3.24875	2.79743	1.53278	2.81681	0.94679	1.85676	-1.62188
105	0	0	-2.5	8.65189	2.17514	-2.83387	2.81029	1.78241	2.98321	1.03528	2.16558	-2.16556
106	0	0	-2.75	8.62766	2.25044	-2.24289	2.91202	1.91398	2.99284	0.82302	2.40364	-2.61916
107	0	0	-3	8.48417	2.28296	-1.5563	2.83631	2.2198	2.93628	0.43994	1.82526	-2.34032
108	0	0	-3.25	8.4579	2.32545	-0.7795	3.03798	2.17613	2.7679	-0.0275	2.27215	-2.49602
109	0	0	-3.5	8.29615	2.34736	0.27269	3.11989	2.27803	2.65082	-0.18691	2.55815	-2.13721
110	0	1	-3.5	7.93342	2.22804	-1.33169	3.19027	0.64172	2.88474	0.86055	2.16382	-1.76276
111	0	1	-3.25	8.09801	2.20198	-1.81433	3.28048	-0.05799	2.82878	1.00628	3.12465	-1.68035
112	0	1	-3	8.29818	2.0574	-2.26257	3.21296	-0.05141	2.62171	1.39313	1.8657	-1.26245
113	0	1	-2.75	8.19	1.99087	-2.86037	3.27618	0.2929	2.64117	0.88498	2.22134	-1.33752
114	0	1	-2.5	8.09054	2.02776	-3.23581	3.35401	0.32843	2.59991	1.42854	1.82696	-1.25574
115	0	1	-2.25	8.04431	2.15779	-3.87448	3.39171	0.42088	2.44183	2.13805	1.2898	-1.23132
116	0	1	-2	8.22509	1.9499	-4.13091	3.24987	0.3308	2.29955	2.01305	0.93875	-0.7933
117	0	1	-1.75	8.15985	1.96444	-4.40552	3.43206	0.53114	2.31749	2.20339	-0.0222	-1.06473
118	0	1	-1.5	8.01543	2.02859	-4.70778	3.10947	0.57313	2.36383	1.85399	-0.1055	-1.26333
119	0	1	-1.25	8.01663	1.99608	-4.56076	3.14412	0.77346	2.30272	1.83594	0.03806	-0.68457
120	0	1	-1	7.81982	1.96197	-4.86005	3.05521	0.79433	2.36211	2.13222	-0.72172	-1.04443
121	0	1	0	7.39072	1.97639	-5.5309	2.80774	0.71275	2.32043	1.53094	-0.86983	-0.70286
122	0	1	1	7.05112	1.95596	-5.93316	2.65677	0.89769	2.38256	1.0493	-0.53794	-0.89296
123	0	1	2	6.68055	1.88922	-6.45002	2.31196	0.9002	2.03854	1.04122	-0.59928	-0.34996
124	0	1	3	6.03265	1.73421	-7.4281	2.25623	1.10705	1.80385	0.53007	-0.19329	-0.09506
125	0	1	4	5.25302	1.58122	-8.01773	2.0766	1.25874	1.60647	0.75734	-0.41749	-0.13532
126	0	1	5	4.64211	1.39008	-8.65126	1.81032	1.20571	1.46659	0.43036	-0.17316	-0.0153
127	0	1	6	3.86358	1.2152	-8.81082	1.49438	1.18912	1.42327	0.21266	-0.04183	0.18856
128	0	1	7	3.09361	1.15465	-8.51113	1.2532	0.74884	1.33648	-0.05455	-0.0904	0.29785

129	0	1	8	2.67811	1.05086	-7.98423	1.21797	0.38019	1.33965	-0.14795	-0.01308	0.28717
130	0	1	9	2.14325	1.09631	-7.15881	1.30347	-0.06796	1.2924	-0.29195	0.04921	0.20061
131	0	1	10	2.14882	1.02936	-7.25388	1.24786	-0.10599	1.27628	-0.28861	-0.05354	0.21891
132	0	2	10	2.81117	0.93585	-7.33228	1.0472	0.27158	1.00193	-0.07522	-0.01833	0.12303
133	0	2	9	2.91658	0.99398	-7.49222	1.18	0.24909	1.18245	-0.01245	0.02167	0.18383
134	0	2	8	3.25249	1.02874	-7.78016	1.17158	0.41873	1.22889	-0.0117	0.00278	0.22972
135	0	2	7	3.54078	1.07945	-8.22952	1.24343	1.01439	1.28136	0.08432	0.07529	0.17789
136	0	2	6	4.14538	1.09535	-8.68262	1.41791	1.57459	1.3175	0.21419	0.17242	0.24328
137	0	2	5	4.84129	1.25134	-8.81195	1.48987	1.89335	1.2851	0.47274	-0.05431	0.21647
138	0	2	4	5.30533	1.40029	-8.37965	1.83155	1.96616	1.36664	0.28739	-0.04938	0.09851
139	0	2	3	6.28241	1.47582	-7.78022	2.01021	1.60945	1.55577	0.54693	-0.06827	-0.04272
140	0	2	2	6.70361	1.60006	-7.05896	2.00208	1.3805	1.71303	0.52637	-0.14207	-0.32223
141	0	2	1	7.02828	1.56189	-6.10658	2.27885	1.34683	1.99061	0.42744	-0.12857	-0.54173
142	0	2	0	7.26249	1.5637	-5.65578	2.43279	0.94071	2.05053	0.12878	-0.28179	-0.37889
143	0	2	-1	7.50644	1.55861	-5.53198	2.43572	0.75557	2.06779	0.14151	-0.14094	-0.43099
144	0	2	-1.25	7.47176	1.67639	-5.43122	2.58735	0.65053	2.05516	0.08922	0.19328	-0.58286
145	0	2	-1.5	7.50606	1.67694	-5.36275	2.60846	0.43008	2.14153	-0.06268	0.02861	-0.57976
146	0	2	-1.75	7.58615	1.66367	-5.57648	2.54265	0.3304	2.02593	-0.03155	0.18238	-0.48761
147	0	2	-2	7.48824	1.74265	-5.44946	2.64625	0.21766	2.05928	0.09479	0.05556	-0.92797
148	0	2	-2.25	7.53609	1.75444	-5.39833	2.66885	-7.16341E-5	1.96448	0.17436	0.45648	-0.73736
149	0	2	-2.5	7.53877	1.81339	-5.39912	2.84384	-0.23838	2.14553	0.0113	0.76122	-1.07236
150	0	2	-2.75	7.53204	1.85877	-4.98281	2.83712	-0.67002	2.28549	-0.20332	0.64101	-0.94987
151	0	2	-3	7.55489	1.80642	-4.74844	3.02364	-1.06402	2.31552	-0.09315	1.07379	-0.94013
152	0	2	-3.25	7.62104	2.02725	-4.14382	3.26862	-1.56959	2.50501	-0.04991	1.6334	-1.61042
153	0	2	-3.5	7.44796	2.00978	-3.53582	3.13557	-1.66352	2.58698	-0.33132	2.49735	-1.53408
154	0	3.0001	-3.5	6.99997	2.16499	-5.24058	2.88073	-0.17596	2.5871	0.12862	1.23934	-1.39051
155	0	3.0001	-3.25	6.57632	2.01424	-4.94997	2.8099	0.76277	2.34509	0.30921	1.23252	-1.67736
156	0	3.0001	-3	6.68803	1.95832	-5.42204	2.52734	0.99398	2.16016	0.1923	0.90668	-1.37981
157	0	3.0001	-2.75	6.67255	1.98289	-5.80961	2.25219	1.08491	2.09642	0.34205	0.47594	-1.18814
158	0	3.0001	-2.5	6.86604	1.89921	-5.72942	2.26578	1.38128	1.96964	0.59276	0.70895	-1.17404
159	0	3.0001	-2.25	7.00396	1.73086	-5.75979	2.15898	1.40378	1.8678	0.53995	0.54532	-0.8085
160	0	3.0001	-2	7.09635	1.75759	-5.77309	2.16616	1.46343	1.7934	0.40307	0.26448	-1.09332
161	0	3.0001	-1.75	7.28875	1.68814	-5.86811	2.0184	1.455	1.68466	0.18748	0.27927	-0.89783
162	0	3.0001	-1.5	7.54965	1.46483	-5.70153	1.96206	1.55718	1.64323	0.13232	0.14859	-0.55128
163	0	3.0001	-1.25	7.55505	1.52164	-5.86472	1.66628	1.4561	1.68655	-0.04585	0.07034	-0.48727
164	0	3.0001	-1	7.73972	1.51772	-5.90308	1.83968	1.33005	1.63084	-0.06246	-0.07781	-0.3478
165	0	3.0001	0	7.59385	1.35809	-5.98923	1.7752	1.4631	1.68545	-0.14248	0.14619	-0.10987
166	0	3.0001	1	7.17892	1.38268	-6.70178	1.77402	1.51899	1.54759	0.24698	-0.26851	-0.09045
167	0	3.0001	2	6.7473	1.40926	-7.48825	1.63934	1.81977	1.39928	0.35195	-0.11955	-0.06128
168	0	3.0001	3	6.27325	1.2976	-8.20503	1.70064	2.01078	1.26727	0.44808	0.02331	0.03833
169	0	3.0001	4	5.66459	1.25041	-8.94764	1.46003	2.15644	1.24248	0.31525	0.08189	0.25437
170	0	3.0001	5	5.33165	1.08289	-9.43356	1.32378	2.01489	1.25152	0.26368	0.18786	0.18346
171	0	3.0001	6	4.89499	0.99491	-9.32116	1.29224	1.61497	1.13198	0.02862	0.11863	0.10402
172	0	3.0001	7	4.55862	0.98009	-8.71123	1.20359	1.21313	1.15278	0.05957	0.0525	0.07778
173	0	3.0001	8	4.49949	0.98377	-8.02125	1.25683	1.27399	1.08214	0.06927	0.05759	0.04628
174	0	3.0001	9	4.20493	0.94284	-7.65733	1.07903	0.94726	1.04381	-0.03594	0.13102	0.04981
175	0	3.0001	10	4.07944	0.91444	-7.51363	1.0114	0.79894	1.00036	-0.02771	0.01411	0.07964
176	0	4	10	4.96125	0.96449	-7.57388	0.99191	1.01958	0.90742	0.00716	-0.00876	0.11388
177	0	4	9	5.02173	0.93357	-7.9653	1.0928	1.2334	0.93393	0.06628	0.06291	0.03828
178	0	4	8	5.2572	0.94151	-8.4609	1.14499	1.2613	1.01761	0.07176	0.09348	0.03852
179	0	4	7	5.43305	1.02001	-8.93686	1.19678	1.44405	1.08033	0.08736	0.2119	0.05574
180	0	4	6	5.67312	0.94575	-9.20021	1.29276	1.83161	1.1167	0.139	0.2691	0.05894
181	0	4	5	5.81089	1.08552	-9.21129	1.37087	1.94117	1.1433	0.23759	0.21724	-0.01121

182	0	4	4	5.98934	1.16808	-9.0988	1.502	1.92767	1.23699	0.29396	0.13504	0.09828
183	0	4	3	6.34617	1.21153	-8.77171	1.55336	1.63789	1.2872	0.42834	0.0832	0.11451
184	0	4	2	6.72549	1.20439	-8.33625	1.44867	1.46796	1.27409	0.15238	0.02336	0.06647
185	0	4	1	7.06832	1.3155	-7.60515	1.54543	1.20382	1.39175	0.25561	-0.07408	0.047
186	0	4	0	7.43921	1.33345	-6.87194	1.55657	1.14096	1.50151	0.16876	-0.03281	-0.14359
187	0	4	-1	7.35525	1.47856	-6.30914	1.53261	1.38337	1.48103	0.20887	0.08846	-0.31487
188	0	4	-1.25	7.3094	1.46595	-6.13358	1.56136	1.39809	1.69268	0.25977	-0.01207	-0.49438
189	0	4	-1.5	7.15538	1.58125	-6.22498	1.66354	1.57816	1.7069	0.34731	0.07862	-0.53148
190	0	4	-1.75	6.90744	1.778	-6.09436	1.69717	1.6551	1.74031	0.30895	0.1046	-0.96852
191	0	4	-2	6.68397	1.82536	-6.22991	1.71306	1.9271	1.97109	0.45973	0.16768	-0.89118
192	0	4	-2.25	6.59046	2.00528	-6.14452	1.78696	2.0714	2.11873	0.52853	0.09227	-1.0593
193	0	4	-2.5	6.24271	1.96045	-6.11547	1.80055	2.32911	2.14419	0.40336	0.43729	-1.32849
194	0	4	-2.75	6.20357	2.1495	-6.02516	2.0446	2.49739	2.3556	0.36131	0.59155	-1.29258
195	0	4	-3	6.1105	2.22828	-5.99425	2.14413	2.88849	2.59131	0.40897	0.72241	-1.8677
196	0	4	-3.25	5.95589	2.27222	-5.79783	2.18549	2.97553	2.68504	0.46604	0.69397	-1.7177
197	0	4	-3.5	5.81995	2.43013	-5.56002	2.59286	3.36184	3.00821	0.51187	1.78936	-1.39422
198	0	5.0001	-3.5	5.09643	2.138	-4.14201	2.41665	3.96959	2.40186	0.34288	1.5573	-1.66645
199	0	5.0001	-3.25	5.33652	2.24285	-4.33047	2.10518	3.79392	2.19601	0.08557	1.26443	-1.90999
200	0	5.0001	-3	5.67448	2.04183	-4.63289	1.97384	3.4795	2.06752	0.33548	0.67798	-1.50734
201	0	5.0001	-2.75	6.06881	1.93418	-4.70165	1.83963	3.1677	1.97765	0.40403	0.5568	-1.62099
202	0	5.0001	-2.5	6.56056	1.76718	-4.74938	1.58803	2.83783	1.75435	0.35212	0.40797	-1.02639
203	0	5.0001	-2.25	6.92668	1.72509	-5.24812	1.5213	2.60378	1.82703	0.17015	0.52265	-0.79306
204	0	5.0001	-2	7.00364	1.63895	-5.58965	1.57114	2.25994	1.66848	0.20903	0.31106	-0.45009
205	0	5.0001	-1.75	7.08266	1.57497	-5.749	1.52572	2.06747	1.63096	0.17625	0.40744	-0.56397
206	0	5.0001	-1.5	7.28217	1.51088	-6.0168	1.47919	1.80875	1.46992	0.12735	0.31337	-0.53894
207	0	5.0001	-1.25	7.26003	1.49463	-6.22729	1.49666	1.74841	1.45509	0.25039	0.33637	-0.44261
208	0	5.0001	-1	7.33366	1.38404	-6.53844	1.57558	1.64312	1.47205	0.15398	0.32469	-0.33752
209	0	5.0001	0	7.31922	1.25424	-7.60254	1.45473	1.47156	1.2714	0.11998	0.12698	-0.14096
210	0	5.0001	1	7.00277	1.24604	-8.44668	1.46453	1.5533	1.2227	0.15569	0.1322	0.07346
211	0	5.0001	2	6.49654	1.18	-9.15279	1.38462	1.66758	1.19219	0.22086	0.05208	0.09735
212	0	5.0001	3	6.04093	1.09039	-9.68694	1.35834	1.93162	1.18252	0.16269	0.16099	0.08479
213	0	5.0001	4	5.72086	0.96837	-9.99497	1.24381	2.17772	1.08404	0.15741	0.12849	0.04111
214	0	5.0001	5	5.63444	1.00716	-10.03397	1.09991	2.25508	0.96123	0.2175	0.1154	0.01167
215	0	5.0001	6	5.61354	0.89191	-9.83217	1.11075	2.20349	0.96795	0.16067	0.13824	0.00522
216	0	5.0001	7	5.52798	0.88856	-9.52271	1.04165	2.08867	0.99414	0.10429	0.0699	0.07228
217	0	5.0001	8	5.43742	0.90874	-8.9437	1.00532	1.90292	0.97171	0.11042	0.04413	0.069
218	0	5.0001	9	5.42957	0.98578	-8.40936	1.04301	1.66646	1.03322	0.09064	-0.04692	0.10143
219	0	5.0001	10	5.38839	1.03	-7.84221	1.01135	1.51791	1.03005	0.0361	0.03581	0.18423
220	0	6	10	5.62923	1.15145	-8.40594	1.09366	1.86995	0.99959	0.06655	-0.09325	0.17239
221	0	6	9	5.60216	1.05635	-9.07143	0.93521	1.77356	1.01991	0.04321	-0.01818	0.18281
222	0	6	8	5.51143	1.01319	-9.56316	0.95327	1.96707	0.98603	0.10252	0.00833	0.09038
223	0	6	7	5.44419	1.01334	-10.02743	0.95843	2.12524	1.02419	0.06653	0.02913	0.13867
224	0	6	6	5.34695	0.95766	-10.24473	0.97927	2.18134	0.92085	-0.00474	0.00578	0.06617
225	0	6	5	5.26328	0.99628	-10.38532	0.95722	2.17607	0.96083	0.06603	0.03738	0.01893
226	0	6	4	5.1311	1.08848	-10.27701	1.12661	1.89402	1.02459	0.09885	-0.03776	0.06618
227	0	6	3	5.35649	1.15564	-10.12237	1.1128	1.42919	1.12265	0.12772	-0.00477	0.08235
228	0	6	2	6.02102	1.14448	-9.59352	1.25839	1.13557	1.22352	0.11599	-0.01463	0.26698
229	0	6	1	6.53827	1.32113	-8.82145	1.48402	1.20452	1.26026	0.11278	0.16608	0.17012
230	0	6	0	7.05422	1.23583	-7.94536	1.58231	1.14265	1.24863	0.07532	0.21744	0.00783
231	0	6	-1	7.3042	1.36117	-6.74191	1.61176	0.95706	1.38436	0.19727	0.34528	0.00441
232	0	6	-1.25	7.29413	1.36391	-6.39184	1.5758	1.00831	1.39248	0.10114	0.38507	-0.10295
233	0	6	-1.5	7.38514	1.40515	-5.98378	1.67213	1.01774	1.45846	0.22334	0.47434	-0.26241
234	0	6	-1.75	7.3204	1.41238	-5.70573	1.63739	1.01286	1.56972	0.25962	0.57594	-0.23743

235	0	6	-2	7.4323	1.53889	-5.38633	1.63676	1.17534	1.52808	0.20078	0.34235	-0.30325
236	0	6	-2.25	7.33958	1.54022	-4.94622	1.77503	0.73549	1.90212	-0.01201	0.71828	-0.4133
237	0	6	-2.5	7.2121	1.65734	-4.66653	1.87736	1.00638	2.05092	0.15327	0.97001	-0.60073
238	0	6	-2.75	6.97915	1.70904	-4.34968	1.87944	1.22309	2.29251	-0.22686	1.26183	-1.08491
239	0	6	-3	6.72495	1.87336	-4.09513	2.01127	1.40857	2.52982	0.14054	1.45509	-0.98
240	0	6	-3.25	6.19666	2.02927	-4.13438	2.35018	1.72086	2.79399	0.29441	2.09935	-1.32505
241	0	6	-3.5	5.51802	2.14701	-4.16887	2.70082	2.21776	2.86206	0.84453	2.80457	-1.23199

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 12 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-4	10	0.38203	0.78147	-4.80744	1.05861	-2.67067	0.89306	-0.02925	0.08517	0.06751
1	0	-4	9	0.24631	0.83075	-4.48728	1.10723	-3.08706	0.95703	0.07228	0.08794	0.15495
2	0	-4	8	-0.1128	0.93518	-4.33815	1.2859	-3.71366	1.00032	0.0548	-0.17295	0.22208
3	0	-4	7	-0.12129	1.00656	-4.70538	1.37755	-4.21151	1.0521	0.08264	-0.22055	0.19353
4	0	-4	6	0.02704	1.0998	-5.1078	1.51906	-4.78277	1.21903	-0.03949	-0.47374	0.18653
5	0	-4	5	-0.3094	1.25472	-5.27328	1.62536	-5.18	1.26544	-0.04763	-0.46061	0.16103
6	0	-4	4	-0.47317	1.44202	-5.32722	1.75423	-5.228	1.51528	-0.40339	-0.55609	0.19876
7	0	-4	3	0.16115	1.67228	-5.00522	1.95491	-5.45977	1.69422	-0.73423	-0.44391	0.16097
8	0	-4	2	0.68661	1.76521	-4.40608	2.08636	-5.34539	2.05933	-1.00955	-0.54297	0.13079
9	0	-4	1	0.98693	1.7778	-3.75149	2.31907	-5.00893	2.27791	-1.07132	-0.15139	-0.05385
10	0	-4	0	1.1731	1.87423	-2.95283	2.57451	-4.44176	2.76445	-0.93019	-0.86651	-0.06291
11	0	-4	-1	1.31823	2.07813	-2.16848	2.95426	-4.42831	2.59978	-2.00842	-1.74864	0.59412
12	0	-4	-1.25	1.44462	2.11406	-1.75799	3.15147	-4.41148	2.56039	-1.64573	-1.84309	0.99387
13	0	-4	-1.5	1.67939	2.0041	-1.35623	3.28598	-4.51084	2.42215	-1.6243	-1.71994	0.64025
14	0	-4	-1.75	1.80871	2.22044	-0.65363	3.44204	-4.71508	2.64003	-2.00022	-1.51262	0.64956
15	0	-4	-2	1.92316	2.12607	-0.06534	3.36663	-4.91113	2.56178	-2.15289	-1.38946	0.81677
16	0	-4	-2.25	1.93128	2.10784	1.02514	3.23069	-5.01428	2.36921	-1.85618	-0.81564	0.43191
17	0	-4	-2.5	1.98226	1.98562	2.0963	3.08846	-5.15118	2.30543	-1.84849	-0.4983	0.48719
18	0	-4	-2.75	2.15564	1.98199	3.08973	2.86666	-5.19775	2.37994	-1.44369	-0.03351	0.33117
19	0	-4	-3	2.20621	1.83865	3.9892	2.59797	-5.19801	2.23327	-0.70294	0.20422	0.36025
20	0	-4	-3.25	2.25374	1.74966	4.88441	2.40972	-5.23313	2.05742	-0.88027	0.48141	-0.05461
21	0	-4	-3.5	2.16341	1.69551	5.48029	2.24627	-5.1816	1.98934	-0.64771	0.68166	0.18887
22	0	-3.0001	-3.5	5.55826	2.41477	3.80771	2.79382	-1.65958	2.68118	-2.42055	0.08181	0.49386
23	0	-3.0001	-3.25	5.14382	2.62106	2.88895	3.6501	-1.54689	2.90161	-4.26885	0.21956	0.88135
24	0	-3.0001	-3	5.28175	2.5306	1.46342	3.60796	-1.51551	2.8925	-3.42383	0.21463	0.54976
25	0	-3.0001	-2.75	5.44514	2.48279	-0.1086	3.63729	-1.41398	2.90341	-3.10062	0.33082	1.02389
26	0	-3.0001	-2.5	5.46318	2.29438	-1.30096	3.44149	-1.1594	2.89078	-2.40947	-0.13368	0.99773
27	0	-3.0001	-2.25	5.30175	2.25456	-2.06137	3.38635	-1.07876	2.80625	-1.87778	0.18518	0.59836
28	0	-3.0001	-2	5.13145	2.20198	-2.99157	3.15892	-1.11853	2.85858	-2.24712	0.26011	0.97285
29	0	-3.0001	-1.75	5.00279	2.12807	-3.53252	2.94565	-1.0074	2.67499	-1.43684	-0.05336	0.55849
30	0	-3.0001	-1.5	4.79509	2.0897	-3.87318	2.72297	-1.00641	2.61586	-1.33835	-0.0443	0.62743
31	0	-3.0001	-1.25	4.39572	2.0827	-4.1877	2.58068	-1.22341	2.64852	-1.18006	-0.08843	0.19471
32	0	-3.0001	-1	4.13914	2.10064	-3.97331	2.57437	-1.22663	2.70376	-1.5053	-0.12766	0.44093

33	0	-3.0001	0	3.35717	1.98869	-3.7888	2.58326	-2.24554	2.79414	-1.42958	-0.08294	0.05783
34	0	-3.0001	1	3.13407	2.04733	-4.31882	2.60089	-3.07213	2.61446	-1.49353	0.72591	-0.6542
35	0	-3.0001	2	3.1148	1.94153	-5.32109	2.29792	-3.72954	2.14916	-0.90156	0.12553	-0.53479
36	0	-3.0001	3	2.38938	1.70111	-6.17015	2.04264	-3.99466	1.86757	-0.50748	-0.3651	0.098
37	0	-3.0001	4	1.4766	1.6003	-6.84152	1.74167	-3.81636	1.54801	-0.19811	-0.5896	0.24048
38	0	-3.0001	5	0.76692	1.32653	-6.91454	1.56454	-3.59348	1.40047	-0.16452	-0.55412	0.23481
39	0	-3.0001	6	0.22723	1.19744	-6.70425	1.36651	-3.17943	1.27077	-0.13701	-0.39145	0.24801
40	0	-3.0001	7	0.0372	1.13449	-6.21118	1.34803	-2.84039	1.18872	-0.15868	-0.34133	0.26164
41	0	-3.0001	8	-0.02223	1.07225	-5.64039	1.35861	-2.53017	1.13993	-0.20227	-0.32574	0.40089
42	0	-3.0001	9	0.12715	0.98446	-5.56169	1.30192	-2.29458	1.02552	-0.08483	-0.16143	0.26253
43	0	-3.0001	10	0.40643	0.84159	-5.44207	1.10261	-1.94685	0.97156	-0.09245	-0.02793	0.17777
44	0	-2	10	0.65107	0.82958	-5.93173	1.06843	-1.40515	1.02507	-0.02501	-0.01891	0.19237
45	0	-2	9	0.39835	0.87104	-6.05612	1.20198	-1.58972	1.09676	-0.06137	-0.19135	0.26093
46	0	-2	8	0.41408	0.99538	-6.54246	1.30654	-1.80595	1.12508	-0.12837	-0.40461	0.30216
47	0	-2	7	0.72237	1.09555	-7.10297	1.31982	-1.94826	1.19339	-0.06492	-0.32629	0.28479
48	0	-2	6	1.3616	1.23124	-7.5272	1.41418	-1.99176	1.32848	0.04557	-0.43778	0.20605
49	0	-2	5	2.07321	1.3771	-7.57865	1.54935	-2.19201	1.36997	-0.00877	-0.41976	0.02228
50	0	-2	4	3.06561	1.57937	-7.33798	1.76168	-2.26602	1.50951	-0.08504	-0.30004	0.00927
51	0	-2	3	4.01614	1.76465	-6.52693	1.9381	-2.59085	1.63965	-0.11391	-0.31482	0.06796
52	0	-2	2	5.01882	1.90763	-5.64863	2.19986	-2.74199	1.97686	-0.10131	-0.10842	-0.26592
53	0	-2	1	5.52515	1.92011	-4.97604	2.27173	-2.34419	2.36986	-0.44945	0.34457	-0.88536
54	0	-2	0	5.70085	1.79302	-4.48098	2.27754	-1.6065	2.55595	-0.56746	0.81616	-0.93067
55	0	-2	-1	6.28929	1.77766	-4.37463	2.06073	-0.73139	2.67101	-0.70481	0.58375	-0.62864
56	0	-2	-1.25	6.41821	1.77382	-4.39277	2.22832	-0.29741	2.66467	-0.33216	0.92348	-0.89316
57	0	-2	-1.5	6.55374	1.71681	-4.16003	2.06779	0.01934	2.70145	-0.42071	1.14289	-0.6418
58	0	-2	-1.75	6.77196	1.78455	-3.89188	2.22163	0.28506	2.53677	-0.11618	1.18491	-0.60123
59	0	-2	-2	6.94178	1.79415	-3.61122	2.3072	0.57315	2.66468	-0.08468	1.44768	-0.8346
60	0	-2	-2.25	7.21002	1.80702	-3.2845	2.36076	0.62903	2.39207	-0.41383	1.5627	-0.5102
61	0	-2	-2.5	7.34873	1.79481	-2.70687	2.47571	0.79056	2.47121	-0.28302	1.67829	-0.52107
62	0	-2	-2.75	7.55117	1.95731	-2.06077	2.5385	0.92472	2.42242	-0.61794	1.62148	-0.56768
63	0	-2	-3	7.55471	1.83424	-1.54679	2.56643	0.89571	2.37314	-0.37429	1.80621	-0.44842
64	0	-2	-3.25	7.90536	1.96793	-0.8456	2.65965	0.91172	2.29562	-0.36127	1.75294	-0.55388
65	0	-2	-3.5	7.8349	2.02729	0.30927	2.75851	0.87348	2.3421	-0.95197	1.26988	-0.43483
66	0	-1	-3.5	7.90257	1.93034	-0.22089	2.38254	0.91963	2.37846	0.10729	1.7068	-1.31319
67	0	-1	-3.25	7.5479	1.90369	0.02187	2.61651	1.33602	2.40959	-0.55842	2.05542	-1.5556
68	0	-1	-3	7.66097	1.94348	-0.79256	2.64262	1.21978	2.567	-0.38109	2.13406	-1.60601
69	0	-1	-2.75	7.66473	1.90698	-1.35897	2.60336	1.04202	2.74687	-0.13363	2.46565	-1.71638
70	0	-1	-2.5	7.72248	1.85588	-2.01785	2.50699	1.01302	2.7502	-0.40539	1.97742	-1.92381
71	0	-1	-2.25	7.71213	1.85517	-2.39233	2.63831	0.5012	2.83538	0.15639	1.84498	-1.45456
72	0	-1	-2	7.64368	1.8393	-2.6346	2.41995	0.36554	2.84813	-0.13123	2.1161	-1.56613
73	0	-1	-1.75	7.69958	1.85512	-2.99185	2.45057	-0.07393	2.82547	0.09253	1.47434	-1.20075
74	0	-1	-1.5	7.49331	1.94867	-3.42784	2.36457	-0.43855	2.76441	0.24046	1.00451	-1.32859
75	0	-1	-1.25	7.51413	1.86106	-3.52891	2.47931	-0.72838	2.84209	0.16273	0.95107	-1.06003
76	0	-1	-1	7.39808	1.90721	-3.5692	2.46299	-1.00565	2.63459	0.15801	0.11301	-0.96698
77	0	-1	0	6.95611	1.88431	-4.18706	2.53597	-1.68299	2.34955	0.00419	-0.4063	-0.97841
78	0	-1	1	6.61405	1.98931	-4.9362	2.37114	-1.71718	2.28635	0.59099	-0.68883	-0.97627
79	0	-1	2	6.03868	2.00382	-5.78474	2.39366	-1.58319	2.0291	0.70208	-0.35528	-0.59875
80	0	-1	3	5.35632	1.90001	-6.64235	2.05382	-1.14246	1.81898	0.76644	-0.46777	-0.43408
81	0	-1	4	4.36444	1.67558	-7.53851	1.86797	-0.86926	1.61966	0.48265	-0.26815	-0.12403
82	0	-1	5	3.47744	1.53762	-8.09204	1.65212	-0.69538	1.42261	0.23821	-0.31755	0.02018
83	0	-1	6	2.51856	1.28712	-8.2992	1.5301	-0.82446	1.24289	0.06732	-0.39568	0.15449
84	0	-1	7	1.79428	1.04783	-8.15978	1.34597	-0.82888	1.12584	-0.01202	-0.34165	0.19243
85	0	-1	8	1.31979	0.98565	-7.70233	1.24813	-0.73899	1.07473	0.05851	-0.21238	0.22944

86	0	-1	9	0.93056	0.90686	-7.03457	1.22088	-0.77993	1.00313	0.01488	-0.21435	0.22539
87	0	-1	10	1.01859	0.8573	-6.79226	1.1308	-0.77147	1.01088	-0.08013	0.01076	0.1712
88	0	0	10	1.58914	0.89215	-7.08987	1.11622	-0.14306	0.97634	-0.09633	-0.05983	0.22798
89	0	0	9	1.5678	0.94684	-7.39238	1.23179	-0.12783	1.04186	-0.12971	-0.18721	0.22862
90	0	0	8	1.99397	0.95958	-7.83497	1.26333	-0.07339	1.10985	-0.05659	-0.18878	0.28873
91	0	0	7	2.55909	1.05862	-8.41375	1.32105	-0.06407	1.06538	-0.02298	-0.14058	0.17819
92	0	0	6	3.25072	1.12321	-8.50408	1.52212	0.19942	1.19827	0.11033	-0.16944	0.03281
93	0	0	5	3.92895	1.36735	-8.2489	1.75025	0.26559	1.32712	0.1743	-0.26607	-0.08507
94	0	0	4	4.78206	1.60387	-7.47047	1.95519	0.24219	1.53085	0.57266	-0.36798	-0.28428
95	0	0	3	5.53903	1.74777	-6.65841	2.03975	0.09129	1.76196	0.84022	-0.18071	-0.47187
96	0	0	2	6.22712	1.83108	-5.4692	2.1953	-0.13546	2.09686	1.0679	-0.65112	-0.75301
97	0	0	1	6.88093	1.96095	-4.57097	2.61923	-0.52601	2.2768	1.54514	-1.2179	-1.15138
98	0	0	0	7.40772	2.00306	-3.67885	2.70597	-0.81511	2.38092	1.46328	-1.52999	-1.58331
99	0	0	-1	7.50474	1.93888	-3.46178	2.93511	-0.89785	2.37772	1.54176	-0.81206	-1.32277
100	0	0	-1.25	7.62961	1.97042	-3.2732	2.99114	-0.58989	2.38617	1.63061	-0.44234	-1.34153
101	0	0	-1.5	7.54388	1.8534	-3.13962	3.00607	-0.56322	2.37828	1.62775	-0.32915	-1.0424
102	0	0	-1.75	7.56622	2.01838	-2.98016	3.10649	-0.54137	2.38307	1.80024	0.23102	-1.16721
103	0	0	-2	7.60696	1.88522	-2.86322	2.98785	-0.42642	2.54318	1.21247	0.71485	-1.14015
104	0	0	-2.25	7.65043	1.79434	-2.30008	3.01363	-0.50203	2.45437	1.06983	1.37542	-0.99433
105	0	0	-2.5	7.45052	1.97027	-1.96686	3.14046	-0.5812	2.58322	1.10615	1.58685	-1.3367
106	0	0	-2.75	7.55915	1.86267	-1.44896	2.97897	-0.33043	2.71513	0.78569	1.84586	-1.7314
107	0	0	-3	7.46502	1.9833	-0.95006	3.06392	-0.34363	2.77056	0.88426	1.92041	-1.94592
108	0	0	-3.25	7.40461	1.86636	-0.41022	2.96663	-0.16586	2.72858	0.42058	2.07734	-1.71162
109	0	0	-3.5	7.37404	2.00337	0.25071	2.94449	-0.13415	2.8674	0.2529	2.5168	-2.17968
110	0	1	-3.5	7.02738	1.99003	-0.40332	3.27542	-0.93377	2.78402	0.34088	2.91411	-1.85686
111	0	1	-3.25	7.19437	1.76089	-0.72373	3.21523	-0.86248	2.57745	0.4567	2.03376	-1.37733
112	0	1	-3	7.24877	1.81522	-1.53946	3.34061	-0.70186	2.55954	0.31641	2.42407	-1.48043
113	0	1	-2.75	7.30719	1.98993	-2.07672	3.47181	-0.58145	2.54397	0.74793	2.01132	-1.81084
114	0	1	-2.5	7.28225	1.78432	-2.31932	3.48782	-0.36558	2.42884	0.65076	1.95905	-1.25343
115	0	1	-2.25	7.20184	1.78197	-3.15864	3.58243	-0.15489	2.22095	1.17668	1.16906	-1.12864
116	0	1	-2	7.16068	1.77663	-3.45748	3.19146	0.00881	2.1303	1.08901	0.74143	-1.08832
117	0	1	-1.75	7.25505	1.86088	-3.51941	3.15081	0.12005	2.1914	1.54759	-0.11453	-1.13434
118	0	1	-1.5	7.11511	1.78148	-3.87009	3.14255	0.34499	2.07197	1.22408	-0.24941	-1.10253
119	0	1	-1.25	7.11373	1.78997	-3.74416	3.18994	0.48593	2.08636	1.51717	-0.96224	-1.15734
120	0	1	-1	7.03909	1.82021	-4.06593	3.0198	0.53523	2.1218	1.38961	-1.05028	-1.30609
121	0	1	0	6.95241	1.71637	-4.64225	2.54461	0.8104	2.07138	1.14165	-0.67494	-0.58282
122	0	1	1	6.50272	1.68682	-5.28109	2.30863	1.05481	2.017	0.92552	-0.40527	-0.54669
123	0	1	2	6.24706	1.65183	-5.7955	2.064	0.85815	1.97939	0.59377	-0.33944	-0.40835
124	0	1	3	5.70011	1.58384	-6.66136	2.00474	0.90945	1.5375	0.71336	-0.21885	-0.33644
125	0	1	4	5.11047	1.39159	-7.70665	1.67157	1.08278	1.3618	0.27087	-0.15814	-0.14171
126	0	1	5	4.42556	1.23061	-8.20904	1.57773	1.11043	1.20584	0.26481	0.04443	0.08887
127	0	1	6	3.79099	1.0775	-8.44609	1.37176	1.0822	1.17372	0.1266	0.01757	0.12498
128	0	1	7	3.19312	1.02604	-8.16637	1.25409	0.78945	1.13672	0.03146	0.04881	0.14379
129	0	1	8	2.67747	0.98487	-7.77061	1.20426	0.52509	1.09306	-0.09286	0.05875	0.23079
130	0	1	9	2.26354	0.91766	-7.56708	1.19319	0.25831	1.00581	-0.02356	0.04544	0.19202
131	0	1	10	2.14994	0.91497	-7.26871	1.1323	0.14221	0.99628	-0.11443	0.02532	0.20748
132	0	2	10	2.78007	0.90533	-7.35165	1.05797	0.42928	0.98106	-0.03478	-0.00391	0.16855
133	0	2	9	3.02489	0.86997	-7.55477	1.14208	0.60052	1.00751	0.03419	0.02035	0.17616
134	0	2	8	3.39538	0.90625	-7.93403	1.20389	0.80279	1.05005	0.01529	0.08787	0.22467
135	0	2	7	4.02232	0.94212	-8.43861	1.25469	1.10478	1.03833	0.04626	0.1761	0.12277
136	0	2	6	4.46263	0.98256	-8.70152	1.37264	1.40843	1.08086	0.13083	0.23172	0.09281
137	0	2	5	5.03739	1.10899	-8.46643	1.52964	1.68061	1.17864	0.22878	0.22183	0.12402
138	0	2	4	5.40096	1.20792	-7.85516	1.76034	1.66866	1.24953	0.35411	0.08421	0.06687

139	0	2	3	5.97115	1.33559	-7.01378	1.91752	1.44889	1.35503	0.20722	-0.16804	-0.24595
140	0	2	2	6.32906	1.34944	-6.47615	1.93377	1.17524	1.42452	0.11593	-0.31808	-0.11712
141	0	2	1	6.72295	1.42466	-5.80473	1.93302	1.06058	1.57338	0.28179	-0.05948	-0.35235
142	0	2	0	7.05054	1.40022	-5.51831	2.04741	1.04097	1.73679	0.03479	-0.27804	-0.18627
143	0	2	-1	7.05466	1.5657	-4.91197	2.51625	1.02547	1.98446	0.03433	-0.03435	-0.93115
144	0	2	-1.25	7.03589	1.6255	-4.89038	2.5111	1.02747	1.98439	0.28318	0.17537	-0.81491
145	0	2	-1.5	7.08836	1.56785	-4.90429	2.4623	0.90744	2.03665	0.05759	-0.05395	-1.24324
146	0	2	-1.75	6.97896	1.56666	-4.71586	2.62993	0.75945	1.95053	0.23584	0.24808	-1.04548
147	0	2	-2	7.11238	1.63549	-4.75349	2.75069	0.61646	2.00395	0.13515	0.53382	-1.3067
148	0	2	-2.25	6.95537	1.69507	-4.4117	2.71096	0.35945	2.14409	0.47558	0.75829	-1.27209
149	0	2	-2.5	6.79343	1.82519	-4.34671	2.87993	0.05456	2.19961	0.12261	1.4053	-1.44203
150	0	2	-2.75	6.89809	1.86316	-4.04076	2.95658	-0.29331	2.38866	0.2087	1.34158	-1.74659
151	0	2	-3	6.83642	1.92764	-3.37138	3.0645	-0.45584	2.34521	0.14676	2.06988	-1.63672
152	0	2	-3.25	6.75742	1.99609	-2.80699	3.18436	-0.77032	2.65934	0.00543	2.89444	-1.68441
153	0	2	-3.5	6.83909	1.99787	-1.98938	3.19467	-1.00108	2.61284	-0.31414	2.62585	-1.57266
154	0	3.0001	-3.5	6.37144	2.09658	-3.8459	3.09975	0.26409	2.71854	0.1156	1.8628	-1.62979
155	0	3.0001	-3.25	6.2523	2.01263	-4.94191	2.53563	0.40099	2.42127	0.18379	0.98806	-1.42316
156	0	3.0001	-3	6.15922	1.90408	-5.30066	2.33448	0.69991	2.12793	0.39915	0.56427	-1.39447
157	0	3.0001	-2.75	6.26848	1.82064	-5.68932	2.27116	0.9101	1.97673	0.44968	0.44628	-0.95396
158	0	3.0001	-2.5	6.35242	1.83662	-5.71895	2.07526	0.99969	1.93375	0.35734	0.37941	-1.24777
159	0	3.0001	-2.25	6.44864	1.76766	-5.78949	1.99431	1.2486	1.76312	0.19812	0.31505	-1.14814
160	0	3.0001	-2	6.65081	1.73686	-5.56128	1.9601	1.37405	1.78501	0.57115	0.3269	-1.04438
161	0	3.0001	-1.75	6.83878	1.55342	-5.60398	1.83322	1.35806	1.70214	0.33252	0.2603	-0.92759
162	0	3.0001	-1.5	6.9513	1.48971	-5.55257	1.77337	1.42801	1.59363	0.25253	-0.08105	-0.83645
163	0	3.0001	-1.25	7.0833	1.45398	-5.51375	1.66967	1.34595	1.66002	-0.00754	-0.0282	-0.64938
164	0	3.0001	-1	7.13601	1.38789	-5.53833	1.62541	1.46214	1.63778	0.01663	0.2852	-0.44976
165	0	3.0001	0	7.21436	1.28638	-5.81012	1.59145	1.36846	1.54798	-0.02009	0.00147	-0.23943
166	0	3.0001	1	6.8043	1.38067	-6.33866	1.64359	1.29254	1.41642	0.17737	-0.1279	-0.23303
167	0	3.0001	2	6.28869	1.30447	-7.15832	1.66046	1.55683	1.31653	0.21131	0.08753	-0.02153
168	0	3.0001	3	5.84797	1.23312	-8.03373	1.46114	1.87864	1.13032	0.32527	0.05695	0.05646
169	0	3.0001	4	5.47291	1.10816	-8.81948	1.38112	2.10303	1.08509	0.19696	0.25871	0.07669
170	0	3.0001	5	5.31414	0.9871	-9.20823	1.26082	2.00916	1.03525	0.13604	0.22685	0.03262
171	0	3.0001	6	4.95233	0.87771	-9.28958	1.19132	1.69179	1.00661	0.0018	0.07465	0.0663
172	0	3.0001	7	4.4944	0.84953	-8.89649	1.09889	1.41534	1.04745	0.01459	0.16742	0.15515
173	0	3.0001	8	4.01298	0.85068	-8.32303	1.17142	1.08748	0.98386	0.07366	0.10804	0.12114
174	0	3.0001	9	3.66305	0.92038	-7.9228	1.09608	0.96523	0.95409	0.04925	0.01832	0.18566
175	0	3.0001	10	3.54249	0.84113	-7.48085	1.02677	0.81795	0.91635	-0.03205	-0.02882	0.14469
176	0	4	10	4.38699	0.88431	-7.53776	0.90056	1.01588	0.92003	-0.02491	-0.01136	0.19471
177	0	4	9	4.46276	0.87029	-8.02374	1.01509	1.14907	0.95964	0.08457	0.00293	0.17853
178	0	4	8	4.67963	0.86366	-8.52372	1.09516	1.30573	0.9314	0.04455	0.09407	0.13278
179	0	4	7	4.97305	0.82827	-9.14472	0.9963	1.5901	0.90071	0.08947	0.09481	0.08338
180	0	4	6	5.29726	0.74849	-9.70594	0.93757	1.81946	0.87771	0.0574	0.10877	0.07066
181	0	4	5	5.51402	0.90256	-9.75528	1.08417	2.12547	0.9181	0.11299	0.18982	-0.00597
182	0	4	4	5.69735	1.01102	-9.59224	1.1503	2.04076	1.03041	0.12076	0.18275	0.02218
183	0	4	3	5.89552	1.1214	-8.86997	1.36896	1.90084	1.10437	0.1489	0.29734	-0.0101
184	0	4	2	6.23756	1.2614	-7.84402	1.4462	1.68648	1.18422	0.32166	0.11769	-0.15054
185	0	4	1	6.71409	1.28748	-6.88495	1.40203	1.51422	1.24581	0.28992	0.1055	-0.1171
186	0	4	0	7.22787	1.2611	-5.98791	1.43513	1.48427	1.29899	0.26851	0.03265	-0.05864
187	0	4	-1	7.22181	1.35689	-5.43267	1.38368	1.68854	1.36747	0.33068	-0.00489	-0.41632
188	0	4	-1.25	7.13496	1.52855	-5.37667	1.47379	1.76842	1.47994	0.25096	0.03387	-0.70926
189	0	4	-1.5	6.82681	1.5884	-5.36393	1.56354	1.89783	1.54942	0.29236	0.09452	-0.79001
190	0	4	-1.75	6.69303	1.66007	-5.29843	1.54512	2.06432	1.63695	0.26494	0.08754	-0.99208
191	0	4	-2	6.35541	1.78089	-5.31635	1.69035	2.3066	1.77896	0.49691	0.01309	-1.44401

192	0	4	-2.25	6.06324	1.79126	-5.32762	1.78078	2.35584	1.78876	0.47065	0.06056	-1.11019
193	0	4	-2.5	5.64661	1.92035	-5.29908	1.98911	2.77106	1.99125	0.51324	0.10266	-1.51637
194	0	4	-2.75	5.59743	1.97843	-5.18752	2.10109	2.58124	2.09059	0.36322	0.52889	-1.57129
195	0	4	-3	5.22623	2.07444	-5.23767	2.20709	2.91308	2.388	0.52834	0.64929	-1.75827
196	0	4	-3.25	5.17656	2.11929	-5.17122	2.54854	3.01192	2.53488	0.1864	1.25674	-1.65249
197	0	4	-3.5	5.19052	2.07943	-4.616	2.79117	3.20013	2.70205	0.52385	1.25071	-1.20949
198	0	5.0001	-3.5	4.54709	2.10277	-3.97067	2.39356	4.07309	2.44253	0.60644	1.98291	-1.39741
199	0	5.0001	-3.25	4.95462	2.0604	-4.35313	2.15375	3.56965	2.19689	0.90367	0.99233	-1.12073
200	0	5.0001	-3	5.38959	1.91511	-4.41973	1.87324	3.41547	2.12063	0.57693	0.52905	-1.50158
201	0	5.0001	-2.75	5.61051	1.89779	-4.56951	1.7185	3.17311	2.01432	0.39353	0.49534	-1.36268
202	0	5.0001	-2.5	5.85612	1.77	-4.76649	1.56015	2.83799	1.85918	0.53437	0.31353	-1.06299
203	0	5.0001	-2.25	6.19244	1.68662	-4.76084	1.51723	2.51756	1.72106	0.28339	0.32307	-0.95701
204	0	5.0001	-2	6.39234	1.6763	-4.91166	1.52269	2.27579	1.61227	0.26633	0.23576	-0.87487
205	0	5.0001	-1.75	6.62348	1.56758	-5.00224	1.38302	2.20501	1.60894	0.15621	0.26841	-0.8609
206	0	5.0001	-1.5	6.79169	1.39228	-5.25715	1.41869	1.95946	1.41527	0.38248	0.17626	-0.52081
207	0	5.0001	-1.25	6.92894	1.40191	-5.44315	1.35871	1.83575	1.42376	0.24579	0.32118	-0.35236
208	0	5.0001	-1	6.95859	1.38193	-5.69931	1.33407	1.7585	1.38781	0.21535	0.2309	-0.27612
209	0	5.0001	0	6.76772	1.37866	-6.76007	1.44036	1.47624	1.26469	0.27015	0.25739	-0.0616
210	0	5.0001	1	6.34007	1.26394	-7.88715	1.44972	1.56928	1.24281	0.13989	0.34348	0.06232
211	0	5.0001	2	5.83336	1.2677	-8.81522	1.37195	1.47434	1.20631	0.02744	0.35285	0.16382
212	0	5.0001	3	5.67665	1.06989	-9.65667	1.19084	1.65444	1.1101	8.89321E-4	0.11488	0.08982
213	0	5.0001	4	5.35227	1.01431	-9.95106	1.04418	1.97052	1.00984	0.03676	0.25814	0.05861
214	0	5.0001	5	5.2844	0.99082	-10.08936	0.89284	2.09887	0.89077	0.02453	0.1058	0.09345
215	0	5.0001	6	5.26423	0.89655	-9.83268	0.86772	2.04411	0.8375	0.12621	0.02479	0.06215
216	0	5.0001	7	5.16994	0.94491	-9.39378	0.87634	1.78066	0.89015	0.03103	0.02632	0.11199
217	0	5.0001	8	5.20915	0.81399	-8.86422	0.83929	1.59039	0.86948	0.048	0.02711	0.10374
218	0	5.0001	9	5.15421	0.92103	-8.28179	0.86644	1.44327	0.92014	0.04352	-0.01183	0.18304
219	0	5.0001	10	5.14331	0.97399	-7.67674	0.8963	1.31757	0.81818	0.07076	-0.06581	0.09355
220	0	6	10	5.25598	1.23703	-8.21221	0.98339	1.56166	1.00709	-0.06164	-0.06008	0.31522
221	0	6	9	5.30036	1.05582	-8.8149	0.91073	1.51242	0.98809	0.02289	-0.05251	0.15573
222	0	6	8	5.31929	0.9948	-9.36799	0.82772	1.64474	0.86135	0.04035	-0.01475	0.0578
223	0	6	7	5.08191	0.94683	-9.76113	0.78122	1.78569	0.85174	0.04917	0.07432	0.06387
224	0	6	6	4.99165	1.01485	-10.00954	0.76703	1.98523	0.91216	-0.04068	0.0463	0.08222
225	0	6	5	4.87741	1.06482	-10.16107	0.80261	1.97341	0.92388	-0.04361	0.07779	0.09273
226	0	6	4	4.77024	1.09372	-10.14686	0.95545	1.72729	0.99748	-0.05356	0.06889	0.0956
227	0	6	3	5.09029	1.2063	-9.94428	1.0904	1.15135	1.16999	-0.04202	0.13694	0.23578
228	0	6	2	5.66231	1.19809	-9.50113	1.22587	0.95837	1.21708	-0.11182	0.23884	0.24722
229	0	6	1	5.98949	1.3749	-8.51246	1.46741	1.00524	1.30195	-0.06056	0.45267	0.21393
230	0	6	0	6.25791	1.44032	-7.44622	1.51547	1.17598	1.37997	0.0486	0.65258	0.23114
231	0	6	-1	6.75135	1.30397	-6.09929	1.58746	1.09717	1.40403	0.202	0.56201	0.02493
232	0	6	-1.25	6.81998	1.42048	-5.83829	1.52246	1.13312	1.40482	0.362	0.52933	-0.11772
233	0	6	-1.5	6.84509	1.43013	-5.45541	1.54133	1.08044	1.47674	0.23123	0.47883	-0.02573
234	0	6	-1.75	6.77232	1.48512	-5.08432	1.48724	1.25215	1.51505	0.26127	0.44325	-0.25015
235	0	6	-2	6.67156	1.48801	-4.76601	1.56086	1.21625	1.54744	0.21009	0.49476	-0.32494
236	0	6	-2.25	6.7656	1.47716	-4.48869	1.62487	1.28512	1.76003	0.1955	0.66916	-0.5458
237	0	6	-2.5	6.43805	1.62486	-4.16781	1.71992	1.54355	1.86234	0.15958	0.87944	-0.66006
238	0	6	-2.75	6.27512	1.69257	-3.9672	1.76166	1.66917	1.91813	0.11235	0.91727	-0.88
239	0	6	-3	5.99337	1.70839	-3.94993	1.92219	1.74747	2.11069	0.3253	1.16821	-0.50116
240	0	6	-3.25	5.5399	1.8045	-4.03437	2.09144	1.94386	2.25224	0.40477	1.19177	-0.84643
241	0	6	-3.5	5.23791	1.81205	-3.99946	2.19131	1.8879	2.29424	0.74638	1.80109	-0.42405

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 14 volts, No fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	2	-4.0004	10	0.07949	1.48965	-5.37541	1.83706	-2.33111	1.15391	-0.58342	-0.22971	0.56717
1	2	-4.0004	9	0.82016	1.27581	-6.45988	1.58139	-2.9689	1.17346	-0.22876	-0.13334	0.34984
2	2	-4.0004	8	0.86311	1.19554	-7.21724	1.43136	-3.72886	1.24058	-0.19608	-0.2613	0.21383
3	2	-4.0004	7	0.89146	1.26319	-7.39396	1.45439	-4.28777	1.48467	-0.35165	-0.38855	0.402
4	2	-4.0004	6	1.27092	1.44203	-7.40323	1.76494	-4.14364	1.82539	-0.20406	-0.06779	0.58802
5	2	-4.0004	5	1.61924	1.70413	-6.85869	2.22781	-3.82067	1.97763	-0.54977	0.01657	0.69921
6	2	-4.0004	4	2.17683	1.86183	-6.21158	2.73693	-3.4889	2.25687	-0.62663	-0.49889	0.48308
7	2	-4.0004	3	2.68268	1.9896	-5.97197	3.07563	-2.89575	2.4979	-1.42346	-0.84589	0.70015
8	2	-4.0004	2	3.1662	2.20124	-5.59405	3.50011	-2.97744	2.67774	-2.31513	-0.92654	0.95314
9	2	-4.0004	1	3.65204	2.27852	-5.1848	3.84938	-3.04694	2.92719	-3.04585	-0.8906	0.67612
10	2	-4.0004	0	4.13464	2.41703	-5.2257	3.86364	-3.25197	2.98202	-2.90542	-0.68094	0.46727
11	2	-4.0004	-1	4.23741	2.48345	-4.69797	4.09406	-4.01688	2.96352	-3.54985	5.83255E-4	0.28934
12	2	-4.0004	-2	4.44905	2.67255	-3.15726	4.40085	-5.32738	3.14767	-4.12251	0.8019	-1.17913
13	2	-4.0004	-3	4.36753	2.87528	-0.20646	4.44633	-6.12365	2.9474	-5.11851	2.06271	-1.71666
14	2	-4.0004	-3.25	4.20452	2.86896	0.86866	4.25487	-6.06418	3.05408	-5.1658	1.93019	-1.85725
15	2	-4.0004	-3.5	4.07278	2.89061	1.90504	4.05568	-5.99416	2.962	-4.83725	2.02596	-1.56428
16	5	-2.9999	-3.5	6.16243	3.07925	0.928	3.90997	-5.71552	3.28137	-4.13511	1.99426	-1.72765
17	5	-2.9999	-3.25	6.62735	2.82182	-1.59243	3.83291	-5.38957	3.20812	-2.63583	2.03152	-1.45433
18	5	-2.9999	-3	6.62273	2.57105	-2.81941	3.74424	-5.5115	3.17912	-1.80495	1.26318	-0.5082
19	5	-2.9999	-2	6.46603	2.26165	-6.00884	3.59252	-4.6287	2.69277	-1.09688	0.18446	-0.25581
20	5	-2.9999	-1	5.98307	2.07013	-7.33964	3.04363	-3.19467	2.69101	-0.5446	-0.09207	-0.49382
21	5	-2.9999	0	5.96456	1.90742	-7.03003	3.14409	-2.24096	2.71654	-0.84903	0.37816	-0.04204
22	5	-2.9999	1	5.57816	1.98773	-7.33252	2.91751	-2.07293	2.55923	-1.2965	0.26911	-0.06776
23	5	-2.9999	2	5.22734	1.94198	-7.23845	2.88462	-1.97631	2.43858	-1.06753	0.22747	0.0603
24	5	-2.9999	3	4.63967	1.75753	-7.2061	2.79925	-1.71742	2.29099	-1.20973	0.10172	0.29913
25	5	-2.9999	4	4.04903	1.75453	-7.26057	2.61604	-2.15592	2.08616	-0.57392	-0.10067	0.23205
26	5	-2.9999	5	3.32977	1.57722	-7.71419	2.14642	-2.75593	1.82562	-0.17358	0.09412	0.49884
27	5	-2.9999	6	2.63568	1.4746	-7.98219	1.94298	-3.09971	1.77216	-0.16207	0.07618	0.69375
28	5	-2.9999	7	2.07562	1.283	-8.18544	1.385	-3.33798	1.45136	-0.19669	-0.18427	0.53744
29	5	-2.9999	8	1.62944	1.207	-7.9513	1.35827	-3.05189	1.22942	-0.16054	-0.38898	0.3325
30	5	-2.9999	9	1.27809	1.29032	-7.29116	1.6231	-2.58527	1.26338	-0.59964	-0.48695	0.33424
31	5	-2.9999	10	0.72152	1.47414	-6.40963	1.76036	-2.09822	1.21258	-0.73237	-0.45902	0.43079
32	1	-2.0002	10	1.62139	1.40216	-7.34704	1.61142	-1.78521	1.25486	-0.78161	-0.35014	0.42518
33	1	-2.0002	9	2.32092	1.0415	-8.2475	1.28223	-2.29151	1.22882	-0.1622	-0.46663	0.28707
34	1	-2.0002	8	2.71804	1.03725	-8.8146	1.15211	-2.53954	1.10583	-0.11812	-0.25032	0.32543
35	1	-2.0002	7	3.33758	1.14548	-9.03955	1.25165	-2.51004	1.28097	0.13054	-0.01311	0.42078
36	1	-2.0002	6	4.14592	1.29742	-8.85697	1.51867	-2.36779	1.44368	0.05739	0.04851	0.41787
37	1	-2.0002	5	4.84016	1.3782	-8.70047	1.84009	-2.00727	1.56236	-0.01168	0.0613	0.35016
38	1	-2.0002	4	5.60439	1.43373	-8.67066	2.13722	-1.88116	1.59416	-0.34295	0.0347	0.20537
39	1	-2.0002	3	6.24103	1.39973	-8.70201	2.26694	-1.64794	1.73195	-0.514	0.03898	-0.00924
40	1	-2.0002	2	6.737	1.5441	-8.83843	2.3051	-1.70309	1.83818	-0.40753	0.17993	-0.08652
41	1	-2.0002	1	6.81556	1.59245	-8.58041	2.52141	-1.6194	2.07027	-0.49686	0.3682	-0.36586
42	1	-2.0002	0	6.82983	1.74111	-8.68908	2.6982	-1.70123	2.31155	-0.24231	0.35466	-0.42583
43	1	-2.0002	-1	7.05284	1.84832	-8.96704	2.69616	-1.98231	2.4658	-0.2892	0.11277	-0.54349

44	1	-2.0002	-2	6.93736	2.21216	-7.80531	3.09607	-2.68353	2.84239	0.5343	0.52662	-0.53158
45	1	-2.0002	-3	7.86481	2.53533	-3.70087	3.72937	-3.39221	3.31549	0.35343	1.81131	-0.00939
46	1	-2.0002	-3.25	8.10456	2.73148	-2.26376	3.67705	-3.55214	3.36253	-0.07681	1.64794	-0.44834
47	1	-2.0002	-3.5	8.33824	2.98312	-0.63482	3.76789	-3.72577	3.38289	-0.88516	2.62091	0.04628
48	4	-0.9997	-3.5	9.02938	2.98151	-1.76292	4.19662	-1.23417	3.30614	-0.31923	3.88169	-1.09444
49	4	-0.9997	-3.25	8.75166	2.8414	-4.11393	3.70595	-1.3657	3.15237	0.99818	3.06439	-0.67159
50	4	-0.9997	-3	8.32218	2.80295	-5.11195	3.42762	-0.69081	3.03111	0.41363	2.54585	-1.13175
51	4	-0.9997	-2	7.49719	2.01584	-8.91371	2.86441	-0.60163	2.52891	-0.137	1.33878	-1.33983
52	4	-0.9997	-1	7.72063	1.75329	-9.85493	2.1545	-0.93663	2.25821	-0.43206	0.35269	-1.24933
53	4	-0.9997	0	7.74826	1.49618	-9.73739	2.18119	-1.16002	1.90721	-0.13682	0.1855	-0.39784
54	4	-0.9997	1	8.0487	1.216	-9.59891	1.85227	-1.41684	1.58306	0.03648	0.07029	0.04462
55	4	-0.9997	2	7.82101	1.0939	-9.77486	1.64043	-1.50954	1.4	0.25044	0.05806	0.03077
56	4	-0.9997	3	7.60912	1.0695	-9.73265	1.44861	-1.50608	1.19188	0.16972	0.06526	-0.09205
57	4	-0.9997	4	6.90569	1.01017	-9.5722	1.51977	-1.75355	1.37452	0.15223	-0.01894	0.17468
58	4	-0.9997	5	6.33842	1.12032	-9.55478	1.52986	-1.70701	1.24095	0.20899	0.21754	0.0326
59	4	-0.9997	6	5.48584	1.06281	-9.51302	1.2565	-2.01195	1.14102	0.18941	0.08133	0.1946
60	4	-0.9997	7	4.73607	0.89277	-9.53649	1.05495	-2.19552	0.97638	0.14987	-0.15812	0.21032
61	4	-0.9997	8	3.85603	0.95256	-9.40491	0.99965	-2.05118	1.06751	0.04824	-0.18348	0.23245
62	4	-0.9997	9	3.31433	0.96524	-8.98955	1.10585	-1.77706	1.14034	-0.11497	-0.33412	0.27583
63	4	-0.9997	10	2.57703	1.21353	-7.99648	1.37846	-1.59556	1.19441	-0.43722	-0.36727	0.32691
64	0	0	10	3.44918	1.16284	-8.30926	1.19958	-1.24242	1.18621	-0.36524	-0.36916	0.37356
65	0	0	9	4.14328	0.90145	-9.07283	0.92058	-1.48178	1.01049	-0.06235	-0.28244	0.17818
66	0	0	8	4.69345	0.82391	-9.58835	0.76684	-1.73224	0.89304	0.09599	-0.14026	0.15766
67	0	0	7	5.50994	0.84161	-9.73968	0.7778	-1.87088	0.8826	0.1788	-0.01354	0.19844
68	0	0	6	6.4148	0.81215	-10.02423	0.87281	-1.80754	0.83369	0.2053	-0.02352	0.15022
69	0	0	5	7.18615	0.85974	-10.06892	1.03985	-1.64119	0.86117	0.24452	-0.05375	0.11444
70	0	0	4	7.76412	0.86253	-10.21203	1.02619	-1.47846	0.86303	0.26117	-0.10882	0.04722
71	0	0	3	8.22592	0.81109	-10.38524	0.97596	-1.37481	0.89826	0.24623	-0.00163	0.04626
72	0	0	2	8.58373	0.85797	-10.36999	1.09855	-1.1918	1.01695	0.29889	0.01435	0.02601
73	0	0	1	8.62412	0.95562	-10.5034	1.29424	-1.1389	1.18615	0.22255	0.11804	-0.02223
74	0	0	0	8.51251	1.11175	-10.61509	1.47561	-0.73256	1.60329	0.15523	0.02793	-0.30646
75	0	0	-1	8.45258	1.69532	-10.45809	1.94886	0.07091	2.2134	-0.11772	0.55164	-1.59125
76	0	0	-2	7.75637	2.26774	-9.71979	2.70959	1.074	2.66558	-0.53126	1.31975	-2.23043
77	0	0	-3	8.13737	2.93899	-6.65239	3.8367	1.27212	3.08545	0.54573	4.43132	-1.69751
78	0	0	-3.25	8.67154	3.08386	-5.35185	4.09481	1.10217	3.23756	1.44157	4.39607	-1.73972
79	0	0	-3.5	8.93136	3.0984	-3.67378	4.33031	1.07085	3.25053	0.69369	5.143	-1.86347
80	3	1.0005	-3.5	7.90166	3.26485	-4.80355	4.43117	2.6605	3.13245	1.06289	5.49711	-2.1559
81	3	1.0005	-3.25	7.77311	2.96745	-6.5746	3.74168	2.57737	2.77501	0.699	3.62116	-1.78524
82	3	1.0005	-3	7.5096	2.74306	-7.47982	3.72918	2.76485	2.74132	-0.00759	4.22811	-1.82134
83	3	1.0005	-2	8.45961	2.17041	-9.66505	2.28878	1.97589	2.48351	-0.06911	1.33624	-2.27553
84	3	1.0005	-1	9.26706	1.3421	-10.35426	1.52139	0.46861	1.89777	0.05841	0.44121	-0.64938
85	3	1.0005	0	9.14409	0.87848	-10.70254	1.06213	-0.42222	1.21547	0.25917	0.11558	-0.15321
86	3	1.0005	1	9.05379	0.83002	-10.6317	0.93508	-0.92836	0.97108	0.29273	-0.0278	-0.05039
87	3	1.0005	2	8.86526	0.73465	-10.6239	0.82908	-1.10152	0.85668	0.2843	-0.02408	1.22803E-4
88	3	1.0005	3	8.57355	0.68457	-10.58327	0.7617	-1.21887	0.78632	0.24061	0.01135	0.03832
89	3	1.0005	4	8.12949	0.67854	-10.53772	0.73034	-1.37907	0.74357	0.21218	-0.05079	-0.00885
90	3	1.0005	5	7.66927	0.76234	-10.34623	0.80413	-1.53697	0.76006	0.23561	-0.04795	0.02413
91	3	1.0005	6	6.97778	0.74137	-10.11328	0.73684	-1.62371	0.70474	0.21498	-0.05075	0.09242
92	3	1.0005	7	6.14339	0.74643	-9.91611	0.68353	-1.6577	0.79694	0.1801	-0.07367	0.11523
93	3	1.0005	8	5.37487	0.81528	-9.57877	0.66527	-1.50235	0.78273	0.13017	-0.09252	0.15865
94	3	1.0005	9	4.84942	0.88679	-9.03431	0.80496	-1.25872	0.95682	0.06114	-0.19573	0.12847
95	3	1.0005	10	4.1491	1.19388	-8.24144	1.1694	-1.14233	1.25484	-0.37361	-0.45861	0.39841
96	-1	2.0002	10	5.13356	1.17234	-8.10045	1.12378	-0.75209	1.19804	0.0044	-0.47937	0.11161

97	-1	2.0002	9	5.43255	0.89621	-8.93213	0.7755	-1.08909	0.94557	0.12124	-0.23092	0.06464
98	-1	2.0002	8	5.95822	0.74443	-9.48144	0.57612	-1.19991	0.73705	0.16132	-0.05694	0.06643
99	-1	2.0002	7	6.59808	0.72944	-9.89144	0.57164	-1.37213	0.67634	0.18829	-0.06474	0.06447
100	-1	2.0002	6	7.28413	0.65428	-10.30661	0.61973	-1.55308	0.76064	0.19594	-0.05775	0.04921
101	-1	2.0002	5	7.86956	0.58718	-10.5125	0.58997	-1.43855	0.68987	0.17103	-0.01808	0.03192
102	-1	2.0002	4	8.28474	0.63232	-10.73328	0.6004	-1.2677	0.70046	0.19215	-0.01159	0.05218
103	-1	2.0002	3	8.62224	0.60808	-10.81564	0.62688	-1.15919	0.75772	0.19291	-0.04424	-0.04141
104	-1	2.0002	2	8.83884	0.65065	-10.95888	0.68934	-1.00911	0.81594	0.24692	0.00999	-0.00606
105	-1	2.0002	1	9.13989	0.68484	-10.88116	0.69026	-0.82474	0.8493	0.24915	0.00438	-0.03401
106	-1	2.0002	0	9.38611	0.8222	-10.67773	0.90155	-0.27788	1.09439	0.2452	0.13437	-0.11314
107	-1	2.0002	-1	9.86952	1.14617	-9.9506	1.27792	0.47197	1.57073	0.18399	0.43344	-0.37214
108	-1	2.0002	-2	9.30138	1.92803	-9.23479	2.03383	2.05042	2.28371	-0.02601	0.91174	-1.74775
109	-1	2.0002	-3	7.77442	2.6759	-7.80631	3.3785	3.09999	2.69141	-0.66382	3.85532	-2.03255
110	-1	2.0002	-3.25	7.488	2.87461	-7.47427	3.62764	3.08276	2.80914	-0.96837	4.37224	-2.29836
111	-1	2.0002	-3.5	7.52877	3.10105	-6.15105	4.08908	3.24238	2.88599	-0.73062	5.74214	-2.12842
112	-5	2.9999	-3.5	8.38729	2.65551	-7.38272	3.28759	2.02725	2.48839	-1.36282	3.78329	-2.19392
113	-5	2.9999	-3.25	8.67605	2.2545	-8.02709	2.79078	1.85844	2.45669	-0.42426	2.81879	-1.8865
114	-5	2.9999	-3	9.05699	2.06773	-8.32738	2.45638	1.62159	2.39226	-0.31038	1.91481	-1.89516
115	-5	2.9999	-2	10.30544	1.51831	-8.64027	1.67971	0.93317	2.03128	0.45273	0.7059	-0.76315
116	-5	2.9999	-1	10.16538	0.95354	-9.77134	1.07183	0.04338	1.21022	0.28304	0.38724	-0.06548
117	-5	2.9999	0	9.52862	0.72961	-10.66966	0.71396	-0.53584	0.9787	0.25015	0.06822	-0.07553
118	-5	2.9999	1	9.16692	0.70445	-10.98103	0.68537	-0.88281	0.88233	0.27905	0.03911	0.00182
119	-5	2.9999	2	8.77183	0.63108	-11.14139	0.57791	-0.96476	0.74383	0.20796	-0.01003	-0.03309
120	-5	2.9999	3	8.51285	0.63994	-11.17621	0.58165	-0.93586	0.74492	0.22273	0.01949	0.02436
121	-5	2.9999	4	8.24279	0.65231	-11.012	0.54995	-1.05878	0.72752	0.21665	0.00396	0.0143
122	-5	2.9999	5	7.91296	0.62095	-10.76808	0.51192	-1.19229	0.68527	0.18391	-0.00352	0.04791
123	-5	2.9999	6	7.44512	0.62032	-10.43426	0.5121	-1.19809	0.64979	0.18614	-0.04088	0.02234
124	-5	2.9999	7	6.99716	0.63262	-9.99245	0.50685	-1.04434	0.71026	0.19383	-0.00743	0.036
125	-5	2.9999	8	6.4912	0.7269	-9.45962	0.58992	-0.87045	0.8146	0.19731	-0.07188	0.06985
126	-5	2.9999	9	6.25725	0.86299	-8.81246	0.7443	-0.69526	0.94845	0.20895	-0.18227	0.03651
127	-5	2.9999	10	5.8921	1.11033	-7.8741	1.03638	-0.36668	1.19532	0.03242	-0.35272	0.09873
128	-2	4.0004	10	6.61512	1.16339	-7.82738	1.13854	0.01274	1.24497	0.12252	-0.44886	-0.04291
129	-2	4.0004	9	6.79188	0.8099	-8.8049	0.70738	-0.27202	0.93367	0.23952	-0.1967	0.02945
130	-2	4.0004	8	6.82256	0.72294	-9.62557	0.57988	-0.5594	0.80167	0.25543	-0.04903	0.032
131	-2	4.0004	7	7.16189	0.64572	-10.19448	0.52074	-0.69268	0.71854	0.21977	-0.00705	0.04392
132	-2	4.0004	6	7.50669	0.65137	-10.66582	0.52892	-0.82841	0.71104	0.23461	-0.02002	0.04242
133	-2	4.0004	5	7.74872	0.71048	-11.04435	0.55139	-0.83998	0.75693	0.23625	0.02085	0.04944
134	-2	4.0004	4	8.03923	0.67237	-11.27482	0.54827	-0.92797	0.74654	0.23115	0.01289	0.02193
135	-2	4.0004	3	8.06292	0.8365	-11.59773	0.68078	-1.01953	0.8116	0.36633	0.04821	0.06574
136	-2	4.0004	2	8.38587	0.86961	-11.54762	0.67724	-1.11704	0.93294	0.37845	-0.01244	0.04535
137	-2	4.0004	1	8.75689	0.89076	-11.46173	0.73611	-1.12519	0.91399	0.41515	0.09063	0.04859
138	-2	4.0004	0	9.43483	0.78038	-10.91669	0.72101	-0.95007	0.90371	0.29865	0.09654	-0.00368
139	-2	4.0004	-1	10.16137	0.80824	-10.05352	0.89841	-0.3577	0.97298	0.26147	0.20842	-0.09098
140	-2	4.0004	-2	10.60465	1.15467	-8.94121	1.417	-0.40414	1.24187	0.59887	0.47339	-0.10314
141	-2	4.0004	-3	10.05903	1.36264	-8.63902	1.82406	-0.255	1.95315	0.12165	0.88617	-0.62205
142	-2	4.0004	-3.25	9.716	1.57296	-8.35431	2.00141	0.11312	2.14274	-0.10448	1.1386	-1.09364
143	-2	4.0004	-3.5	9.54371	1.72215	-7.94178	2.19171	0.02098	2.12085	-0.47276	1.56815	-1.14735
144	2	4.9995	-3.5	10.12734	1.16206	-8.99521	1.74876	-1.14052	1.53463	0.15357	0.1934	-0.42028
145	2	4.9995	-3.25	10.25244	1.04143	-9.03515	1.56179	-1.1001	1.47532	0.24127	0.16045	-0.26778
146	2	4.9995	-3	10.26182	1.06858	-9.14188	1.41603	-1.0122	1.4186	0.31988	0.17972	-0.2028
147	2	4.9995	-2	10.40532	1.00162	-9.69788	1.12091	-0.94606	1.00011	0.47117	0.17282	-0.12023
148	2	4.9995	-1	9.93342	0.78442	-10.58325	0.79898	-1.00578	0.92917	0.27976	0.17154	0.01646
149	2	4.9995	0	9.28551	0.82214	-11.30154	0.70567	-1.22765	0.92103	0.34703	0.06348	0.00801

150	2	4.9995	1	8.29938	0.96027	-11.71807	0.72924	-1.30517	0.97205	0.43081	0.07006	0.01875
151	2	4.9995	2	7.84324	0.93582	-11.84412	0.70357	-1.15227	0.9131	0.398	0.02947	0.07333
152	2	4.9995	3	7.77477	0.72311	-11.64485	0.52258	-0.96394	0.77135	0.22081	-0.01955	-0.02161
153	2	4.9995	4	7.44504	0.80986	-11.55094	0.55844	-0.89543	0.75325	0.24952	0.03089	0.03925
154	2	4.9995	5	7.25703	0.76579	-11.31211	0.5211	-0.76575	0.74151	0.25386	0.01966	0.03688
155	2	4.9995	6	7.22448	0.73382	-10.94661	0.52573	-0.52078	0.79003	0.24747	0.01255	0.07596
156	2	4.9995	7	7.12352	0.74933	-10.48277	0.52924	-0.43971	0.82711	0.25116	-0.00314	0.06677
157	2	4.9995	8	7.12254	0.76852	-9.89124	0.6338	-0.28829	0.8136	0.28593	-0.03248	0.02368
158	2	4.9995	9	7.21493	0.79477	-9.26385	0.72801	0.1576	0.86708	0.27667	-0.10147	-0.02309
159	2	4.9995	10	7.2291	1.07225	-8.52754	1.08156	0.8063	1.12414	0.41347	-0.26428	-0.09553
160	5	6	10	7.23642	1.04247	-9.57619	0.95191	1.33416	0.91757	0.48871	-0.06021	-0.05114
161	5	6	9	7.21842	0.81433	-10.04058	0.65599	0.54099	0.85794	0.2447	-0.07519	-0.06083
162	5	6	8	6.98426	0.75927	-10.58706	0.5801	0.17469	0.84187	0.22372	-0.04459	-0.02307
163	5	6	7	6.86002	0.8031	-10.93002	0.50124	-0.09574	0.80197	0.22706	-0.01811	-0.02332
164	5	6	6	6.69748	0.84695	-11.28769	0.51348	-0.38289	0.84533	0.22685	0.00813	0.03618
165	5	6	5	6.71175	0.89009	-11.53529	0.56818	-0.61408	0.82339	0.2921	0.00871	0.0818
166	5	6	4	6.47721	1.07723	-11.80239	0.69879	-0.95858	1.04399	0.37074	-0.02739	0.06199
167	5	6	3	6.56115	1.19716	-12.01974	0.75629	-1.18856	1.09873	0.38856	0.01656	0.04198
168	5	6	2	6.49551	1.36871	-12.33125	0.85062	-1.16586	1.2322	0.59253	0.00276	0.03685
169	5	6	1	7.29717	1.20832	-12.32369	0.77809	-1.44847	1.1176	0.48348	-0.02803	0.06718
170	5	6	0	8.40969	0.98531	-11.98584	0.73855	-1.49473	0.98717	0.3819	0.06387	0.17953
171	5	6	-1	9.66033	0.89332	-11.30266	0.76575	-1.38479	0.89656	0.33118	0.08201	0.05234
172	5	6	-2	10.27898	0.90839	-10.66604	0.93201	-1.11496	0.98192	0.32215	0.08967	-0.0878
173	5	6	-3	10.36601	1.07765	-9.85697	1.20413	-0.42343	1.44512	0.33637	0.10761	-0.31639
174	5	6	-3.25	10.28302	1.11623	-9.83171	1.19598	-0.23999	1.54595	0.30034	-0.0401	-0.51795
175	5	6	-3.5	10.08335	1.26723	-10.00776	1.29271	-0.12599	1.57439	0.48073	-0.26562	-0.82266

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 14 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-4	10	0.40835	0.98643	-6.71191	1.13038	-3.43833	1.11365	-0.09761	-0.04523	0.15526
1	0	-4	9	0.10918	1.09944	-6.63913	1.30503	-3.92122	1.20767	-0.17572	-0.17585	0.20577
2	0	-4	8	-0.25384	1.2035	-6.61306	1.4901	-4.42402	1.25835	-0.11126	-0.31363	0.32512
3	0	-4	7	-0.56006	1.35568	-6.74958	1.61367	-4.9904	1.40441	-0.14609	-0.20726	0.31162
4	0	-4	6	-0.5333	1.52618	-7.15897	1.77634	-5.43332	1.62259	-0.40344	-0.40275	0.61331
5	0	-4	5	-0.49388	1.79912	-7.14264	1.91194	-5.88824	1.75514	-0.35515	-0.55243	0.5752
6	0	-4	4	-0.18092	1.90359	-7.07147	2.07654	-5.90652	1.94344	-0.72293	-0.70175	0.51121
7	0	-4	3	0.63859	2.11597	-6.60362	2.31692	-6.23257	2.15468	-0.8549	-0.4067	0.41588
8	0	-4	2	1.39226	2.32881	-5.69017	2.64779	-6.08364	2.39934	-1.09773	-0.67808	-0.03547
9	0	-4	1	1.87949	2.37922	-4.51722	2.95336	-5.83186	2.84402	-1.49784	-0.52531	0.24116
10	0	-4	0	2.18039	2.46934	-3.41084	3.24642	-4.91168	3.2401	-1.43199	-0.72497	-0.1184
11	0	-4	-1	2.46408	2.34817	-2.80278	3.43282	-4.89972	3.00907	-2.1672	-2.54776	0.75569
12	0	-4	-1.25	2.36	2.41695	-2.47247	3.60116	-5.1193	3.05855	-2.87621	-2.66264	1.20021
13	0	-4	-1.5	2.70604	2.4874	-2.62885	3.72106	-5.17495	2.97201	-3.25381	-2.23984	1.15747

14	0	-4	-1.75	2.66833	2.48787	-2.04806	3.84012	-5.58107	2.86997	-3.07009	-2.18815	0.78554
15	0	-4	-2	2.78467	2.70131	-1.43305	3.92285	-5.78562	2.95345	-3.9506	-2.14762	0.83456
16	0	-4	-2.25	2.6845	2.66199	-0.62089	4.03948	-6.14421	2.8169	-3.73412	-1.72128	0.72655
17	0	-4	-2.5	2.89052	2.58514	0.38829	3.8837	-6.42862	2.72754	-3.99717	-0.9862	0.47042
18	0	-4	-2.75	2.81302	2.58311	1.35376	3.87508	-6.84001	2.7946	-3.67321	0.26291	-0.51875
19	0	-4	-3	2.70701	2.49387	2.74663	3.57885	-7.04769	2.7388	-2.80577	0.32888	-0.32773
20	0	-4	-3.25	2.50242	2.47905	4.68034	3.43931	-7.09228	2.63051	-2.73431	1.05165	-0.6071
21	0	-4	-3.5	2.52085	2.32503	5.96654	3.05858	-6.91762	2.54944	-1.87678	0.85522	-0.16158
22	0	-3.0001	-3.5	6.23085	3.58905	4.10808	4.01543	-3.92124	3.57519	-6.49587	1.57322	0.52849
23	0	-3.0001	-3.25	7.33964	3.48041	0.68537	3.33365	-2.80972	3.47642	-4.97285	-0.01097	1.8052
24	0	-3.0001	-3	7.27168	3.23718	0.67118	4.81905	-1.08708	3.43198	-6.74733	-0.83203	1.68097
25	0	-3.0001	-2.75	7.57259	3.03284	-1.33114	4.42859	-1.06695	3.36555	-5.05109	-1.13656	1.65072
26	0	-3.0001	-2.5	7.17227	2.77894	-2.48744	4.0558	-0.76329	3.09747	-3.45896	0.33337	1.11093
27	0	-3.0001	-2.25	6.85771	2.74542	-3.45159	3.84561	-2.93232	3.51817	-3.00586	-0.23701	1.23853
28	0	-3.0001	-2	6.90735	2.58194	-4.72237	3.56037	-2.69737	3.49873	-1.73359	-0.13179	1.08356
29	0	-3.0001	-1.75	6.36261	2.47441	-5.15983	3.44051	-2.73194	3.4927	-1.62606	-0.68006	1.48052
30	0	-3.0001	-1.5	6.0965	2.47218	-5.46051	3.13233	-2.7998	3.17992	-1.46323	-0.68324	0.37622
31	0	-3.0001	-1.25	5.79031	2.2382	-5.70108	3.02386	-2.57909	3.19009	-1.17499	-0.33652	0.47674
32	0	-3.0001	-1	5.54209	2.368	-5.74488	2.95764	-2.66459	3.04579	-1.1139	-0.35449	0.76006
33	0	-3.0001	0	4.37972	2.35722	-5.23745	2.73379	-3.13914	3.00702	-1.39026	-0.21866	0.30691
34	0	-3.0001	1	4.12706	2.18318	-5.74909	2.78369	-3.90807	2.68508	-1.40086	-0.83586	0.04139
35	0	-3.0001	2	-1.6804	12.1996	-12.31699	14.20099	-4.41958	2.43487	166.5934	-0.19545	0.84325
36	0	-3.0001	3	2.72171	1.93447	-7.18927	2.25297	-4.54007	2.17449	-0.83658	-0.53005	0.1154
37	0	-3.0001	4	1.80216	1.84803	-7.7624	2.06282	-4.7485	1.92639	-0.13561	-0.60001	0.45924
38	0	-3.0001	5	1.07627	1.54777	-8.20489	1.83803	-4.45664	1.7731	-0.24296	-0.61354	0.31128
39	0	-3.0001	6	0.56457	1.47206	-7.95632	1.60278	-4.28701	1.50693	-0.04378	-0.54494	0.43187
40	0	-3.0001	7	0.40168	1.2641	-7.2926	1.611	-3.93155	1.33077	-0.21404	-0.37721	0.46249
41	0	-3.0001	8	0.40855	1.17542	-7.03069	1.46855	-3.55832	1.27714	-0.25741	-0.31783	0.4885
42	0	-3.0001	9	0.71243	1.0756	-6.94243	1.29585	-3.23748	1.25863	-0.12056	-0.13294	0.37723
43	0	-3.0001	10	0.99748	1.34945	-7.34914	1.57875	-2.68691	1.42786	-0.21003	-0.06691	0.047
44	0	-2	10	1.22351	1.05355	-7.93697	1.2643	-2.11921	1.25062	-0.11734	-0.05656	0.24345
45	0	-2	9	0.87628	1.12706	-7.75609	1.37281	-2.33915	1.32949	-0.1338	-0.09508	0.38336
46	0	-2	8	0.80878	1.18645	-7.78448	1.4206	-2.42563	1.38583	-0.16196	-0.29339	0.48627
47	0	-2	7	1.07984	1.29764	-8.23137	1.4795	-2.50743	1.45009	-0.14285	-0.51388	0.35009
48	0	-2	6	1.6151	1.45471	-8.99146	1.57467	-2.69853	1.6292	-0.01271	-0.47762	0.48501
49	0	-2	5	2.35294	1.62675	-9.16258	1.9625	-2.81217	1.65083	0.02827	-0.4928	0.23052
50	0	-2	4	3.40191	1.79608	-8.80093	2.17668	-2.84762	1.99517	0.3208	-0.77067	0.18534
51	0	-2	3	4.62476	2.07592	-7.55304	2.26083	-3.18136	2.04513	-0.16195	-0.45424	0.07446
52	0	-2	2	5.34803	2.18843	-6.85179	2.56591	-3.1697	2.40774	-0.29971	-0.90499	0.06417
53	0	-2	1	6.19104	2.17973	-6.20167	2.56231	-2.79108	2.59736	-0.35295	-0.52096	-0.45321
54	0	-2	0	6.84898	2.20836	-6.03789	2.68858	-2.21278	2.86767	-0.84378	-0.11917	-0.37918
55	0	-2	-1	7.83775	2.26709	-6.39816	2.40797	-0.95349	3.24778	-0.6068	0.08261	-0.12344
56	0	-2	-1.25	8.21279	2.09639	-6.4793	2.48966	-0.61287	3.45188	-0.31543	0.62871	-0.46183
57	0	-2	-1.5	8.21567	2.19682	-6.18368	2.66626	-0.23602	3.5688	-0.31715	0.83295	-0.58758
58	0	-2	-1.75	8.59958	2.27479	-5.90463	2.70034	0.33721	3.55122	-0.49094	1.63944	-0.28848
59	0	-2	-2	9.03014	2.26322	-5.48749	2.88007	0.45109	3.71133	0.2428	1.8433	-0.49413
60	0	-2	-2.25	9.32231	2.42975	-4.84199	3.27117	1.01042	3.56661	-0.35746	2.82291	-0.60383
61	0	-2	-2.5	9.54795	2.6109	-3.63671	3.77334	1.06858	3.74899	-1.33411	3.96375	-1.02732
62	0	-2	-2.75	9.67219	2.69757	-2.43494	3.92117	1.48781	3.82393	-1.19525	4.17134	-0.69826
63	0	-2	-3	10.25812	3.00141	-0.51439	4.19722	1.32523	3.95941	-2.6657	4.09506	-0.90676
64	0	-2	-3.25	9.90427	2.88639	1.20557	4.31818	1.26553	3.79324	-3.93098	3.17732	-1.12238
65	0	-2	-3.5	9.43147	3.19797	2.97205	4.24515	1.14389	3.64034	-5.99415	1.99756	-1.55767
66	0	-1	-3.5	9.97249	2.64428	1.07236	3.28213	3.0704	3.00821	-1.91271	2.98212	-2.31496

67	0	-1	-3.25	9.81515	2.4196	-0.05822	3.22597	2.0225	3.0206	-1.38833	3.23611	-2.30583
68	0	-1	-3	9.73904	2.46336	-1.10597	3.18498	1.95761	3.1371	-0.89601	2.95351	-2.37645
69	0	-1	-2.75	9.7938	2.35229	-2.0902	3.12148	1.76487	3.31886	-0.224	3.05054	-2.57928
70	0	-1	-2.5	9.79048	2.35635	-2.74743	3.03493	1.36982	3.50169	0.21116	2.83696	-2.31716
71	0	-1	-2.25	9.71728	2.21625	-3.26661	2.95796	0.77362	3.33603	0.0466	2.51235	-2.07022
72	0	-1	-2	9.59123	2.34932	-3.97368	3.03919	0.26126	3.38188	0.70342	2.56487	-2.19996
73	0	-1	-1.75	9.54096	2.25214	-4.2501	2.96335	0.01182	3.47273	0.57753	1.8606	-2.0581
74	0	-1	-1.5	9.50097	2.35227	-4.61888	2.96696	-0.39448	3.38269	0.76052	1.40518	-2.02061
75	0	-1	-1.25	9.50061	2.28888	-4.92873	2.87303	-0.90064	3.39235	0.54165	0.88076	-1.80541
76	0	-1	-1	9.26629	2.37033	-4.87161	3.01488	-0.99481	3.20712	0.72786	1.09217	-1.67343
77	0	-1	0	7.17361	5.47808	-7.4279	6.5815	-1.79079	2.86129	29.29133	-0.36023	-1.01079
78	0	-1	1	7.95665	2.40342	-6.60123	2.97196	-2.11677	2.71307	1.09663	-0.86181	-1.01021
79	0	-1	2	7.32503	2.37442	-7.76851	2.70372	-1.75309	2.62464	1.3028	-1.49933	-1.24331
80	0	-1	3	6.28254	2.23283	-8.34441	2.48724	-1.33549	2.21311	0.53784	-0.61336	-0.51661
81	0	-1	4	5.38238	2.01113	-9.36753	2.3483	-0.98265	1.93826	0.46952	-0.45793	-0.35607
82	0	-1	5	4.15584	1.75052	-9.96105	2.03049	-0.86198	1.77793	0.39177	-0.39287	0.04283
83	0	-1	6	2.99448	1.54847	-10.14182	1.70531	-0.81594	1.51493	0.09266	-0.32313	0.29599
84	0	-1	7	2.31595	1.49625	-9.95924	1.54099	-0.58946	1.36552	-0.09227	-0.36196	0.31813
85	0	-1	8	1.73419	1.31611	-9.46871	1.46849	-0.79219	1.36244	-0.35565	-0.18747	0.39355
86	0	-1	9	1.60738	1.21131	-9.26332	1.37328	-0.8294	1.31935	-0.35142	-0.05031	0.37121
87	0	-1	10	1.66867	1.0655	-9.39162	1.21563	-1.05987	1.30293	-0.21071	-0.06768	0.26554
88	0	0	10	2.36358	1.03571	-9.84035	1.16318	-0.40689	1.2627	-0.20681	0.01949	0.14381
89	0	0	9	2.52373	1.22807	-9.60009	1.32044	-0.04053	1.2969	-0.22831	-0.02735	0.25291
90	0	0	8	2.74566	1.36629	-9.51924	1.42039	0.22301	1.40057	-0.28608	-0.26792	0.27081
91	0	0	7	3.1739	1.37018	-9.80501	1.40575	0.24326	1.40078	-0.07426	-0.24635	0.29315
92	0	0	6	4.0386	1.50645	-10.40916	1.55997	0.40661	1.46635	0.33431	-0.19046	0.18881
93	0	0	5	5.13601	1.64657	-10.08498	2.07784	0.53856	1.72704	0.73765	-0.47066	0.2186
94	0	0	4	6.00447	1.76638	-9.32645	2.35189	0.43717	1.8777	0.61729	-0.4719	-0.15296
95	0	0	3	6.70928	2.01157	-8.49217	2.43423	0.24081	1.95259	0.88173	-0.686	-0.32769
96	0	0	2	7.29335	2.19024	-7.51405	2.81976	0.11895	2.50255	1.51917	-0.92346	-0.97604
97	0	0	1	8.14696	2.30205	-6.50919	3.25358	-0.0236	2.7184	2.47724	-2.04487	-1.35537
98	0	0	0	8.78967	2.33845	-5.57419	3.54731	-0.40802	2.76436	2.34649	-2.50469	-1.44539
99	0	0	-1	8.95278	2.17782	-5.37185	3.51679	-0.0696	2.72812	2.06245	-0.36934	-1.06419
100	0	0	-1.25	9.3528	2.25548	-5.16026	3.31842	0.42371	2.81288	1.25599	0.90155	-0.8523
101	0	0	-1.5	9.39411	2.29856	-4.9885	3.10906	0.30973	2.87758	1.82489	0.7181	-1.2031
102	0	0	-1.75	9.55001	2.21962	-4.4967	3.14391	1.08024	3.07086	1.41036	1.99705	-1.35991
103	0	0	-2	9.58441	2.1929	-4.26223	3.10805	1.1237	3.15979	1.38233	1.89045	-1.34666
104	0	0	-2.25	9.69653	2.39758	-3.77316	3.3069	1.29784	3.22795	1.72716	2.73712	-1.63029
105	0	0	-2.5	9.78046	2.37544	-3.27298	3.1103	1.62705	3.14457	1.09151	2.77607	-2.35035
106	0	0	-2.75	9.75352	2.3809	-2.64629	3.20128	1.96913	3.27047	0.59395	3.27264	-2.67412
107	0	0	-3	9.79159	2.5027	-1.81012	3.23236	2.19565	3.14452	0.54458	2.92367	-2.68741
108	0	0	-3.25	9.72886	2.4733	-1.11781	3.3566	2.08861	3.18822	0.31585	2.892	-2.72809
109	0	0	-3.5	9.62304	2.65528	0.09975	3.29437	2.23232	3.01746	-0.05856	3.03309	-3.33292
110	0	1	-3.5	9.23061	2.50525	-1.01933	3.4992	0.81268	3.16656	1.33404	2.87945	-2.72428
111	0	1	-3.25	8.9983	2.64126	-2.82263	4.05135	-0.11466	3.41807	2.07205	1.31801	-2.80743
112	0	1	-3	9.22241	2.34439	-2.97681	3.95081	-0.69286	2.94411	1.50258	2.86732	-1.61838
113	0	1	-2.75	9.30254	2.30484	-3.41616	3.99875	-0.35006	2.914	1.86846	1.96705	-1.69788
114	0	1	-2.5	5.15006	3.55056	-3.01989	2.50447	-0.32693	1.57326	-1.76126	0.30859	-0.79921
115	0	1	-2.25	9.50543	2.36501	-4.01202	3.46602	1.09368	2.6921	2.10937	1.43798	-1.43809
116	0	1	-2	9.49358	2.34014	-4.31248	3.52633	1.15803	2.58183	2.12884	1.82175	-1.26016
117	0	1	-1.75	9.28204	2.25173	-4.65316	3.30374	1.34134	2.52973	2.1071	0.6581	-1.49857
118	0	1	-1.5	9.18996	2.17624	-5.07396	3.45391	1.25348	2.55917	2.04065	0.49218	-1.30982
119	0	1	-1.25	9.21409	2.19411	-5.34864	3.3347	1.16129	2.46739	1.90527	0.06744	-1.38038

120	0	1	-1	9.1074	2.13304	-5.5872	3.32428	1.29055	2.43932	2.80794	-0.48057	-1.05215
121	0	1	0	8.56951	2.26126	-6.29906	3.0874	1.71954	2.30069	2.12085	-0.67731	-1.24236
122	0	1	1	7.96581	2.1086	-6.72634	2.74318	1.79316	2.26899	1.42986	-0.29338	-0.77694
123	0	1	2	7.34233	2.04454	-7.57731	2.45718	1.72284	2.14544	1.08456	-0.36496	-0.38471
124	0	1	3	6.45878	1.82962	-8.87994	2.39053	1.95772	1.79664	0.5318	-0.1429	-0.00586
125	0	1	4	5.71079	1.68706	-9.91349	2.00808	1.92317	1.57952	0.72527	0.19534	0.26649
126	0	1	5	5.49934	1.43286	-10.60021	1.79633	1.372	1.55985	0.55292	-0.00866	0.14896
127	0	1	6	4.65237	1.44062	-10.38015	1.55606	1.07801	1.50988	0.35733	-0.10682	0.27597
128	0	1	7	3.91273	1.29815	-9.70341	1.38409	0.59551	1.41908	0.06512	-0.10395	0.37476
129	0	1	8	3.34177	1.24257	-9.25759	1.3483	0.31642	1.35408	-0.10929	-0.10701	0.35199
130	0	1	9	3.11959	1.23053	-9.05124	1.41115	0.04786	1.29568	-0.2345	0.1204	0.23178
131	0	1	10	2.63012	1.15438	-8.69602	1.24219	-0.13565	1.2559	-0.29326	0.08178	0.11704
132	0	2	10	3.72301	1.06284	-8.82784	1.20889	0.24692	1.17901	-0.25033	0.12627	0.13789
133	0	2	9	3.54343	1.16079	-8.76173	1.32402	0.46815	1.27753	0.01514	0.14582	0.27502
134	0	2	8	3.79712	1.18421	-9.0319	1.35046	0.80642	1.41722	0.0827	0.20013	0.29105
135	0	2	7	4.25159	1.28258	-9.64405	1.42951	1.34833	1.47905	0.0916	0.01747	0.50499
136	0	2	6	4.92472	1.33384	-10.38277	1.63239	2.00543	1.53058	0.40915	0.12454	0.45394
137	0	2	5	5.7627	1.41833	-10.75619	1.74186	2.44283	1.5366	0.48436	0.19631	0.33985
138	0	2	4	6.32109	1.61654	-10.09068	2.11596	2.56148	1.57464	0.71084	-0.11017	-0.04011
139	0	2	3	7.07013	1.71985	-9.12267	2.33055	2.39005	1.70892	0.5486	-0.38978	0.05937
140	0	2	2	7.58897	1.7947	-8.26857	2.45871	2.008	1.9533	0.2436	-0.43617	-0.35635
141	0	2	1	7.98102	1.73877	-7.73207	2.56766	1.80589	2.08988	0.57427	0.04037	-0.27756
142	0	2	0	8.22006	1.86552	-7.32508	2.56456	1.80571	2.22155	0.81899	-0.15426	-0.39969
143	0	2	-1	8.63123	1.89877	-6.80201	2.8755	1.58584	2.26897	0.69249	0.3368	-0.64878
144	0	2	-1.25	8.9226	2.03877	-6.23007	2.9973	1.66061	2.34062	1.31691	0.17089	-0.93713
145	0	2	-1.5	8.80376	1.95252	-5.93157	3.17596	1.51505	2.35637	0.83496	0.16897	-0.97368
146	0	2	-1.75	8.72676	2.06726	-5.80981	3.08095	1.33172	2.34069	0.76591	0.43299	-1.08648
147	0	2	-2	8.88528	2.0803	-5.51966	3.27359	1.10787	2.32098	0.7307	1.14297	-1.26933
148	0	2	-2.25	8.97238	2.1301	-5.06092	3.47807	1.08477	2.36988	1.44503	0.87348	-1.08676
149	0	2	-2.5	8.90327	2.12925	-4.71826	3.4144	0.59012	2.58377	0.74783	1.39558	-1.42649
150	0	2	-2.75	8.8081	2.29746	-4.30807	3.5767	0.38696	2.51393	1.18817	1.72026	-1.64009
151	0	2	-3	8.83638	2.21928	-3.63174	3.69469	0.088	2.50279	1.27703	1.64499	-1.54656
152	0	2	-3.25	8.90126	2.30956	-3.06234	3.64197	0.05396	2.73634	1.0648	2.2072	-1.96236
153	0	2	-3.5	8.82944	2.25649	-2.1516	3.64132	-0.24565	2.88903	0.23978	2.8762	-2.26284
154	0	3.0001	-3.5	8.21342	2.24221	-4.02437	3.57723	0.26988	2.77104	0.35804	1.89294	-2.03931
155	0	3.0001	-3.25	10.77785	2.87511	-7.60823	3.07854	-1.62598	2.816	-2.59557	1.65013	-3.21175
156	0	3.0001	-3	7.79885	2.24868	-6.05774	2.95114	1.4961	2.45507	0.71539	1.1321	-1.7376
157	0	3.0001	-2.75	7.87386	2.16359	-6.39118	2.73599	1.68931	2.27872	0.94749	0.9085	-1.66383
158	0	3.0001	-2.5	7.93705	2.12606	-6.47222	2.55678	1.78734	2.08061	0.85921	0.12103	-1.4246
159	0	3.0001	-2.25	8.016	2.11378	-6.66218	2.44327	1.92312	2.09475	1.01808	0.54171	-1.26306
160	0	3.0001	-2	8.31067	2.02498	-6.66163	2.4181	1.9369	2.05636	0.86722	0.2265	-1.33918
161	0	3.0001	-1.75	8.34481	1.88072	-6.87935	2.28942	2.12243	2.11257	0.40458	0.33361	-1.16955
162	0	3.0001	-1.5	8.41882	1.80207	-6.81139	2.29148	2.07038	2.04237	0.76024	-0.05695	-0.99034
163	0	3.0001	-1.25	8.57073	1.84688	-6.99272	2.17368	1.95345	2.06887	0.59913	0.33328	-0.84632
164	0	3.0001	-1	8.56182	1.80054	-7.07732	2.19943	1.99685	2.09154	0.261	0.35597	-0.51726
165	0	3.0001	0	8.47969	1.71866	-7.61307	2.31509	1.78503	1.9442	0.57909	-0.06972	-0.25188
166	0	3.0001	1	8.02566	1.63489	-8.16425	2.40218	1.98379	1.8021	0.34364	-0.07004	-0.22828
167	0	3.0001	2	7.73537	1.57396	-8.98486	2.18692	2.23172	1.66308	0.53535	-0.19963	-0.08988
168	0	3.0001	3	7.07625	1.55694	-9.92584	2.00628	2.57232	1.56718	0.72256	-0.00757	0.18626
169	0	3.0001	4	6.40194	1.39097	-10.77072	1.79245	2.76486	1.47968	0.26082	0.13457	0.24828
170	0	3.0001	5	5.78085	1.33727	-11.06885	1.6815	2.5608	1.48568	0.51914	0.24608	0.36271
171	0	3.0001	6	5.31225	1.18336	-10.7493	1.54183	1.98997	1.47108	0.27817	0.26128	0.28082
172	0	3.0001	7	5.04374	1.18702	-9.92063	1.49464	1.41889	1.42668	0.17615	0.24668	0.20927

173	0	3.0001	8	4.77518	1.20699	-9.38075	1.4315	0.91898	1.31097	0.18412	0.26155	0.17343
174	0	3.0001	9	4.80777	1.12839	-8.94352	1.30171	0.78849	1.21753	0.02878	0.21072	0.17227
175	0	3.0001	10	4.62691	1.10543	-8.7317	1.22828	0.60205	1.17068	-0.11456	0.17202	0.09733
176	0	4	10	5.82963	0.94029	-9.15037	1.10927	0.99662	0.95628	-0.0323	0.05096	0.03393
177	0	4	9	5.91426	1.01624	-9.50271	1.29251	1.0669	1.13506	0.09361	0.19532	0.05118
178	0	4	8	6.02889	1.07443	-10.07384	1.37999	1.27441	1.14151	0.11988	0.19634	0.06098
179	0	4	7	6.08767	1.08047	-10.64151	1.51432	1.50596	1.20704	0.32745	0.17926	0.1147
180	0	4	6	6.13742	1.21062	-11.09294	1.63994	1.99501	1.36213	0.45591	0.33151	-0.01323
181	0	4	5	6.30223	1.23152	-11.2913	1.60196	2.37717	1.41779	0.48593	0.21391	0.15389
182	0	4	4	6.62718	1.28296	-11.25013	1.68111	2.56579	1.42427	0.50633	0.29937	0.19555
183	0	4	3	7.26158	1.3675	-10.91014	1.73158	2.44179	1.4467	0.38311	0.0107	0.27024
184	0	4	2	8.01352	1.43452	-10.26179	1.78883	2.26035	1.49619	0.47568	0.09664	0.19796
185	0	4	1	8.44353	1.58418	-9.43194	1.93502	2.02539	1.43634	0.21952	0.04963	-0.01529
186	0	4	0	8.51224	1.63846	-8.61449	2.00109	1.99467	1.65227	0.20077	0.16902	-0.23173
187	0	4	-1	8.29786	1.7513	-7.47408	1.99291	2.09009	1.91455	0.37184	0.31154	-0.6372
188	0	4	-1.25	8.30632	1.85455	-7.16259	2.00124	2.18908	1.90551	0.48703	0.23063	-0.82276
189	0	4	-1.5	8.22419	1.92044	-6.95402	2.03232	2.25865	1.95318	0.58324	0.19244	-0.87027
190	0	4	-1.75	8.09073	2.04575	-6.74526	2.15539	2.4908	2.10417	0.66319	0.38425	-1.29447
191	0	4	-2	8.06641	2.01513	-6.66816	2.03233	2.43519	1.94308	0.51739	0.46031	-1.01335
192	0	4	-2.25	7.85295	2.08592	-6.47283	2.30853	2.55679	2.08212	0.87071	0.12601	-1.46467
193	0	4	-2.5	7.52865	2.28638	-6.41461	2.40355	2.78591	2.38038	1.05896	0.10032	-1.98949
194	0	4	-2.75	7.53014	2.26952	-6.2318	2.46703	2.56218	2.31137	1.06656	0.32645	-1.91764
195	0	4	-3	7.31997	2.48853	-6.16839	2.5242	2.82336	2.50375	0.9922	0.4729	-2.15058
196	0	4	-3.25	6.97123	2.44448	-5.92125	2.72573	2.86116	2.51459	0.83013	0.68477	-1.98773
197	0	4	-3.5	6.70134	2.54392	-5.54611	2.92635	3.00084	2.81414	1.01791	0.90006	-2.48926
198	0	5.0001	-3.5	6.08764	2.64857	-5.15586	2.81226	3.9921	2.6381	1.50033	0.93898	-1.70784
199	0	5.0001	-3.25	6.37319	2.6492	-5.29302	2.4904	3.91462	2.64925	1.50603	0.52274	-1.99386
200	0	5.0001	-3	6.84802	2.50906	-5.26236	2.51118	3.58639	2.50084	1.32234	1.0522	-2.029
201	0	5.0001	-2.75	8.89224	2.51904	-6.00223	3.18054	-0.27805	2.84449	3.06504	-1.1039	-1.66457
202	0	5.0001	-2.5	7.59985	2.21246	-5.70795	2.19064	3.23824	2.31847	0.586	0.69262	-1.62407
203	0	5.0001	-2.25	7.83277	1.98098	-5.71927	2.23127	2.8538	2.13853	0.7372	0.69328	-0.95275
204	0	5.0001	-2	8.01125	1.97934	-6.027	2.03272	2.44926	2.00592	0.72968	0.58616	-0.88853
205	0	5.0001	-1.75	8.14174	1.91078	-6.26527	1.93848	2.40868	2.06202	0.35366	0.34901	-0.81778
206	0	5.0001	-1.5	8.13226	1.87333	-6.62259	1.96319	2.2584	1.85897	0.2901	0.49937	-0.7448
207	0	5.0001	-1.25	8.02964	1.77062	-7.06154	2.02846	2.28622	1.75177	0.52798	0.3814	-0.49964
208	0	5.0001	-1	8.45083	1.75152	-7.76521	2.09277	1.69891	1.85394	9.09928E-4	1.07979	-0.74329
209	0	5.0001	0	8.56358	1.54392	-9.07565	1.92322	1.82567	1.53005	-0.04696	0.49493	-0.3018
210	0	5.0001	1	8.50353	1.45078	-10.14494	1.87753	1.82734	1.36389	0.10079	0.27849	-0.03064
211	0	5.0001	2	7.88251	1.28388	-11.21366	1.49068	1.79196	1.42044	0.32542	0.07108	0.24919
212	0	5.0001	3	7.01983	1.23	-11.70599	1.50978	1.94357	1.35915	0.24105	-0.16399	0.17603
213	0	5.0001	4	6.32888	1.22198	-12.09486	1.51432	2.04828	1.26556	0.39927	0.01904	0.12015
214	0	5.0001	5	6.16604	1.17225	-12.14586	1.41323	2.1643	1.18194	0.42613	0.1547	0.09233
215	0	5.0001	6	6.30362	1.11506	-11.84241	1.36902	1.92982	1.03861	0.31506	0.16379	-0.05355
216	0	5.0001	7	6.50006	1.0311	-11.39075	1.27649	1.69561	1.02837	0.28513	0.09604	0.01985
217	0	5.0001	8	6.68388	0.99265	-10.8475	1.14942	1.55503	0.99718	0.19491	0.09554	-0.01135
218	0	5.0001	9	6.71398	0.93448	-10.29474	1.04969	1.53266	0.94885	0.07092	0.07981	-0.04147
219	0	5.0001	10	6.81533	0.93328	-9.6627	1.04035	1.51496	0.84163	0.03553	0.01987	-0.00312
220	0	6	10	6.59039	1.27377	-10.48802	1.17757	2.38212	1.03523	0.03526	-0.0426	0.20207
221	0	6	9	6.80093	1.06895	-11.2411	0.98056	2.09985	0.89752	0.10089	0.05642	0.0636
222	0	6	8	6.75863	0.97762	-11.63262	1.09411	2.05469	0.91786	0.18632	0.09104	0.00861
223	0	6	7	6.51645	0.99364	-12.00595	1.08472	1.99454	0.99898	0.11606	0.07257	-0.03648
224	0	6	6	6.13624	1.10142	-12.30433	1.21683	1.985	1.01577	0.25445	0.12084	0.05638
225	0	6	5	5.85385	1.09325	-12.60279	1.11168	2.05571	1.05935	0.23422	0.02468	0.06157

226	0	6	4	5.74989	1.18489	-12.62594	1.22968	1.71269	1.12566	0.22273	0.0656	0.03075
227	0	6	3	6.39307	1.21433	-12.22073	1.35454	1.15846	1.3108	0.23481	-0.05378	0.15934
228	0	6	2	7.15238	1.32911	-11.64825	1.4267	1.0081	1.38066	0.06551	-0.12578	0.36316
229	0	6	1	8.07678	1.37933	-11.07657	1.40803	0.79601	1.29869	-0.05749	0.08411	0.30728
230	0	6	0	8.4617	1.59207	-10.00111	1.78854	0.75072	1.52607	-0.282	0.55083	0.04954
231	0	6	-1	8.63382	1.88842	-8.43819	2.10231	0.65638	1.75225	-0.17241	0.98381	-0.35501
232	0	6	-1.25	8.2744	1.88922	-8.07799	2.18477	1.33252	1.99903	0.04024	1.30999	-0.4634
233	0	6	-1.5	8.44574	1.8449	-7.53523	2.11633	1.21905	1.95106	-0.04839	1.06667	-0.50065
234	0	6	-1.75	8.48229	1.86679	-7.02824	2.22659	1.389	2.08081	0.12542	1.15863	-0.46266
235	0	6	-2	8.40146	1.85104	-6.5433	2.26365	1.39012	2.22968	0.29464	1.39507	-0.44461
236	0	6	-2.25	8.37333	2.00134	-5.84311	2.39878	1.45115	2.28059	0.07956	1.65457	-0.78095
237	0	6	-2.5	8.166	2.09251	-5.34713	2.4411	1.73283	2.49284	0.21999	1.5124	-0.75716
238	0	6	-2.75	8.09796	2.17226	-5.0934	2.44961	1.9008	2.6502	0.32063	1.48916	-1.17971
239	0	6	-3	7.90283	2.27599	-4.93357	2.60952	2.01051	2.94217	0.30842	1.66658	-1.58132
240	0	6	-3.25	7.43795	2.39489	-4.95325	2.6692	2.5	3.00535	0.72956	1.97006	-1.55316
241	0	6	-3.5	6.6604	2.47122	-4.97121	2.81002	2.5331	3.23063	0.53754	2.53843	-1.74317

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Input, 14 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-4	10	0.59679	0.99776	-5.86957	1.32328	-2.94558	1.20885	-0.08829	-0.07171	0.19401
1	0	-4	9	0.19125	1.02464	-5.71217	1.44997	-3.60723	1.21795	-0.16086	-0.16325	0.22388
2	0	-4	8	0.25016	1.15229	-5.35851	1.60915	-4.01374	1.26469	-0.14753	-0.30465	0.32775
3	0	-4	7	-0.06636	1.23008	-5.64193	1.74521	-4.7154	1.39993	-0.14946	-0.40008	0.31698
4	0	-4	6	-0.28841	1.3322	-6.20952	1.81616	-5.31274	1.55907	-0.20609	-0.56194	0.26841
5	0	-4	5	-0.37807	1.53982	-6.3101	1.86802	-5.90303	1.72627	-0.40296	-0.63873	0.41999
6	0	-4	4	-0.13223	1.65154	-6.14776	2.14402	-6.09149	1.9161	-0.37857	-0.94355	0.14984
7	0	-4	3	0.44583	1.85967	-5.67784	2.32	-5.9595	2.17307	-0.90059	-0.57041	0.17355
8	0	-4	2	0.85428	2.09163	-4.95181	2.51884	-5.73608	2.33653	-1.73319	-0.63107	0.17629
9	0	-4	1	1.30145	2.14269	-4.10201	2.91165	-5.25586	2.87576	-1.41269	-1.13413	-0.10491
10	0	-4	0	1.62252	2.35295	-3.03342	3.12936	-4.42296	3.2229	-1.55395	-1.29448	-0.1085
11	0	-4	-1	2.10391	2.48068	-2.77927	3.42935	-4.14361	3.18491	-2.42436	-2.07969	0.63021
12	0	-4	-1.25	2.51605	2.55543	-2.72899	3.59671	-3.95238	3.06594	-3.03687	-1.81473	0.76792
13	0	-4	-1.5	2.72474	2.60704	-2.7481	3.70383	-4.13313	3.20607	-3.55438	-2.81399	1.26408
14	0	-4	-1.75	2.9046	2.75996	-2.21645	3.76757	-4.23181	3.17335	-4.44914	-3.21082	2.16776
15	0	-4	-2	2.98689	2.68381	-1.85109	3.97899	-4.68023	3.04123	-4.35368	-2.09823	0.95256
16	0	-4	-2.25	3.18222	2.85764	-1.01972	3.95194	-4.83477	3.01263	-4.37673	-2.00017	1.03402
17	0	-4	-2.5	3.27623	2.88293	-0.33478	4.16356	-5.22955	3.01173	-5.23469	-1.00532	0.99551
18	0	-4	-2.75	3.07066	2.79392	0.92501	4.04232	-5.40324	2.93241	-3.81687	-1.10614	0.36693
19	0	-4	-3	3.10166	3.00092	2.02356	4.07789	-5.7387	2.85425	-5.65951	-0.69214	0.24081
20	0	-4	-3.25	2.88376	2.85169	3.62206	3.91779	-6.01126	2.75941	-5.0374	0.92417	-0.08072
21	0	-4	-3.5	2.5974	2.69202	5.11452	3.41958	-6.01212	2.65085	-3.42962	0.64827	-0.25664
22	0	-3.0001	-3.5	6.76062	3.25171	2.9114	4.25954	-1.74696	3.54672	-5.73404	0.43392	1.5532
23	0	-3.0001	-3.25	6.7164	3.01295	3.10092	4.16039	-1.63391	3.74994	-4.54374	-0.36841	1.5438

24	0	-3.0001	-3	7.03191	3.03359	1.32559	4.33973	-1.83094	3.71894	-5.40028	-0.1884	1.11115
25	0	-3.0001	-2.75	7.12306	3.07939	-0.20956	4.13472	-1.50153	3.74576	-3.69292	-0.77627	1.9024
26	0	-3.0001	-2.5	7.1293	2.74243	-1.95016	4.06932	-1.12887	3.43739	-2.76923	0.67361	0.90519
27	0	-3.0001	-2.25	6.74713	2.57746	-3.15826	3.82483	-1.55329	3.35119	-2.16899	1.00474	0.67707
28	0	-3.0001	-2	6.6692	2.40067	-3.6927	3.6161	-1.02842	3.26115	-1.80827	0.33265	0.58271
29	0	-3.0001	-1.75	6.4017	2.40432	-4.47886	3.27851	-1.27958	3.1718	-1.15989	-0.36812	0.33123
30	0	-3.0001	-1.5	6.14144	2.39866	-4.99812	3.1019	-1.104	3.21509	-1.19572	0.47839	0.91945
31	0	-3.0001	-1.25	5.83112	2.24346	-5.06559	3.01203	-1.07466	3.18369	-1.80446	-0.13191	0.48337
32	0	-3.0001	-1	4.96692	2.28283	-4.16825	2.98081	-0.67277	3.22866	-1.55295	0.32687	0.04674
33	0	-3.0001	0	3.96123	2.42924	-3.91909	3.071	-1.66207	3.3804	-2.02837	0.85859	-0.03308
34	0	-3.0001	1	3.63891	2.57561	-4.60882	3.20731	-2.70842	3.30192	-2.55273	0.62866	-1.22459
35	0	-3.0001	2	3.36455	2.42421	-5.81693	2.98536	-3.55217	2.86332	-1.68482	0.35826	-0.23505
36	0	-3.0001	3	2.74042	2.2168	-6.87504	2.5583	-3.71139	2.30812	-0.73311	-0.7011	-0.30661
37	0	-3.0001	4	1.6591	1.95558	-7.74288	2.44215	-3.46476	2.05184	-0.67503	-0.62348	0.13503
38	0	-3.0001	5	0.77992	1.797	-8.06957	2.11756	-3.52136	1.83929	-0.28876	-0.65324	0.23596
39	0	-3.0001	6	-6.71176E-7	1.55849	-8.10263	1.84146	-3.5531	1.6325	-0.24009	-0.68932	0.53606
40	0	-3.0001	7	-0.08904	1.38961	-7.84323	1.62776	-3.29871	1.51259	-0.41867	-0.57996	0.47318
41	0	-3.0001	8	-0.07301	1.21142	-7.15318	1.62839	-2.95549	1.36841	-0.30423	-0.39968	0.49801
42	0	-3.0001	9	0.1152	1.0995	-6.74797	1.50563	-2.5865	1.28703	-0.19734	-0.35773	0.29377
43	0	-3.0001	10	0.50556	0.99977	-6.96151	1.40786	-2.26977	1.30342	-0.18626	-0.07128	0.30404
44	0	-2	10	0.62437	1.10123	-7.63661	1.32219	-1.52373	1.31358	-0.33441	-0.10833	0.30566
45	0	-2	9	0.61086	1.1074	-7.7957	1.46691	-1.73965	1.29032	-0.22802	-0.16646	0.35189
46	0	-2	8	0.5901	1.15154	-8.45753	1.54003	-1.93578	1.34033	-0.24518	-0.25219	0.3509
47	0	-2	7	0.99124	1.35211	-8.99822	1.53519	-2.05032	1.5131	-0.20444	-0.41736	0.30213
48	0	-2	6	1.53536	1.57311	-9.1067	1.81245	-1.97434	1.69958	-0.14915	-0.47873	0.3633
49	0	-2	5	2.69972	1.85075	-8.98865	2.06182	-1.96352	1.87918	-0.0744	-0.77289	0.02486
50	0	-2	4	3.70344	2.0566	-8.53153	2.25988	-2.07663	1.98951	-0.02044	-0.70148	-0.08931
51	0	-2	3	4.74219	2.36859	-7.47947	2.66665	-2.3024	2.29049	0.16274	-0.83267	-0.55869
52	0	-2	2	5.48104	2.54395	-6.304	2.95306	-2.16629	2.71553	-0.8897	-0.66811	-1.08244
53	0	-2	1	5.80943	2.35404	-5.34672	3.20104	-2.09647	2.90017	-1.181	0.50317	-1.36666
54	0	-2	0	6.45255	2.39013	-4.70677	3.0405	-1.47135	3.23777	-1.66948	1.21597	-1.54642
55	0	-2	-1	7.0905	2.25197	-4.67413	2.76913	-0.50933	3.16292	-1.27391	1.16188	-1.10165
56	0	-2	-1.25	7.34668	2.13488	-4.66782	2.77381	-0.32536	3.37748	-0.99154	1.53974	-1.05841
57	0	-2	-1.5	7.64081	2.1828	-4.50008	2.60752	0.08825	3.34337	-0.43474	1.17399	-0.91166
58	0	-2	-1.75	7.85321	2.08509	-4.36039	2.7653	0.4996	3.27425	-0.78792	1.62974	-1.04918
59	0	-2	-2	7.98022	2.16895	-4.22496	2.81768	0.6727	3.30832	-0.34559	2.17232	-1.05036
60	0	-2	-2.25	8.19087	2.20857	-3.78993	3.09255	1.00081	3.15131	-0.88724	2.1074	-1.01222
61	0	-2	-2.5	8.53274	2.12833	-3.11766	3.09885	1.45397	3.087	-0.91311	2.71901	-0.70001
62	0	-2	-2.75	8.4101	2.23604	-2.06893	3.18711	1.74438	3.13307	-1.52182	2.06094	-1.37442
63	0	-2	-3	8.67197	2.30328	-1.00012	3.42125	1.99121	2.94394	-1.87458	2.53817	-1.36139
64	0	-2	-3.25	8.60538	2.51054	0.65996	3.51547	1.9477	2.84459	-2.77419	1.77324	-1.34862
65	0	-2	-3.5	9.16653	2.57748	0.30953	3.93062	1.45147	3.14142	-3.60286	2.81931	-1.143
66	0	-1	-3.5	9.00859	2.38142	0.13514	3.32976	2.06156	2.75876	-1.44072	2.90237	-1.98004
67	0	-1	-3.25	9.28637	2.35868	-1.05474	2.98979	1.96378	3.10758	-1.02002	3.22878	-2.18097
68	0	-1	-3	9.36054	2.11919	-2.08762	2.70931	1.54145	3.17756	-0.43742	3.02049	-2.26281
69	0	-1	-2.75	9.34104	2.15988	-2.622	2.85065	1.19573	3.37473	0.15238	2.45852	-2.07847
70	0	-1	-2.5	9.42393	2.19636	-3.31134	2.65054	0.90115	3.25054	-0.32865	2.24277	-2.23883
71	0	-1	-2.25	9.24641	2.19492	-3.5153	2.76092	0.81253	3.4042	0.01628	2.1144	-1.92797
72	0	-1	-2	8.99407	2.04006	-3.83781	2.84643	0.4132	3.29912	-0.08964	2.22835	-1.93496
73	0	-1	-1.75	8.9338	2.12973	-4.29903	2.85048	0.13001	3.23786	0.642	1.81249	-1.18617
74	0	-1	-1.5	8.83709	2.03682	-4.67531	2.81988	-0.26322	3.06381	0.32948	0.62369	-1.3794
75	0	-1	-1.25	8.79972	2.12444	-4.74368	2.69374	-0.58835	2.94696	0.08483	0.2999	-1.09913
76	0	-1	-1	8.49502	2.15895	-4.80052	2.81591	-0.77726	2.99668	0.2285	0.31623	-1.3702

77	0	-1	0	7.83965	2.19033	-5.415	2.89562	-1.45351	2.8291	0.17925	-0.24953	-0.9512
78	0	-1	1	7.33543	2.2723	-6.03576	3.05787	-1.51457	2.73187	0.59897	-1.45417	-1.19794
79	0	-1	2	6.78329	2.20453	-6.82954	2.64378	-1.26536	2.46017	0.64844	-1.36971	-0.73243
80	0	-1	3	5.72016	2.03877	-7.76619	2.35124	-0.80506	2.10767	0.36187	-0.65092	-0.61615
81	0	-1	4	4.72065	1.72075	-8.64457	2.21676	-0.69832	1.95259	0.20063	-0.33179	-0.0225
82	0	-1	5	3.95554	1.78603	-9.07791	1.99995	-0.61357	1.76615	0.28945	-0.35163	-0.09561
83	0	-1	6	2.97731	1.57346	-9.41127	1.76387	-0.75152	1.60301	-0.03081	-0.2814	0.44551
84	0	-1	7	2.13562	1.4366	-9.4991	1.57901	-0.71594	1.51804	-0.11318	-0.21202	0.35873
85	0	-1	8	1.4436	1.24327	-8.99672	1.34862	-0.88653	1.36882	-0.2328	-0.19064	0.41686
86	0	-1	9	1.13424	1.1367	-8.4746	1.34088	-0.75438	1.30878	-0.26116	-0.06032	0.35877
87	0	-1	10	1.08725	1.13712	-8.27205	1.33364	-0.82526	1.38078	-0.24614	-0.07659	0.31646
88	0	0	10	1.71215	1.15012	-8.6346	1.34587	-0.2735	1.34174	-0.33176	0.06633	0.25472
89	0	0	9	1.77437	1.12352	-8.94055	1.36564	-0.13827	1.34478	-0.1626	-0.07167	0.41803
90	0	0	8	2.25193	1.22818	-9.17403	1.37217	0.06386	1.37755	-0.29218	-0.0537	0.5345
91	0	0	7	3.08484	1.37268	-9.72064	1.43734	0.20938	1.4145	-0.08993	-0.20063	0.42572
92	0	0	6	3.8593	1.4271	-9.99448	1.55395	0.37468	1.55352	0.08724	-0.35234	0.2083
93	0	0	5	4.91579	1.7073	-9.45682	2.08746	0.55022	1.77573	0.34636	-0.06374	0.31158
94	0	0	4	5.80138	1.8334	-9.1043	2.35769	0.60196	1.91773	0.62994	-0.40762	-0.2614
95	0	0	3	6.55991	1.96094	-8.1071	2.46775	0.41531	2.09487	0.88979	-0.46268	-0.73006
96	0	0	2	7.16411	2.12555	-7.16017	2.8109	0.23062	2.47115	1.33046	-1.52825	-1.0056
97	0	0	1	7.91328	2.39794	-6.07637	3.25681	-0.26715	2.62713	2.13023	-2.1345	-1.23968
98	0	0	0	8.46528	2.26604	-5.16647	3.36955	-0.53945	2.67155	1.73288	-1.9889	-1.59532
99	0	0	-1	8.97178	2.25243	-4.43498	3.44203	-0.68121	2.78075	1.7587	-1.87438	-1.69124
100	0	0	-1.25	9.11294	2.2067	-4.18753	3.49775	-0.38418	2.72332	1.6628	-1.0654	-1.25222
101	0	0	-1.5	9.06573	2.15057	-4.10843	3.38948	-0.26198	2.95358	1.96283	-0.37049	-1.69029
102	0	0	-1.75	9.23755	2.16577	-3.82385	3.52489	-0.68877	2.86369	1.30304	-0.27697	-1.51078
103	0	0	-2	9.19652	2.23406	-3.51093	3.69063	-0.23849	2.93748	1.7139	0.89404	-1.87983
104	0	0	-2.25	9.2349	2.22296	-3.05658	3.49182	-0.06766	3.05031	1.06061	1.86844	-2.03349
105	0	0	-2.5	9.23955	2.26798	-2.52327	3.57035	0.09699	3.14514	1.30869	1.9284	-2.42081
106	0	0	-2.75	9.16403	2.14239	-2.09461	3.51908	0.15813	3.11924	0.69433	2.72186	-1.77358
107	0	0	-3	9.14416	2.15963	-1.59002	3.39761	0.14006	3.258	0.67937	3.02781	-2.2131
108	0	0	-3.25	9.05903	2.18513	-1.02305	3.41345	0.46763	3.31164	0.66783	3.22449	-2.51314
109	0	0	-3.5	8.97494	2.26481	-0.14805	3.21526	0.41334	3.17815	0.21278	2.86025	-2.35847
110	0	1	-3.5	8.92992	2.27441	-1.12337	3.68209	-0.72399	3.31144	0.24163	4.00187	-2.57834
111	0	1	-3.25	8.94384	2.13806	-2.27615	3.3654	-0.53973	2.99903	0.22087	3.13575	-1.57135
112	0	1	-3	9.01767	2.18701	-3.00691	3.5348	-0.41888	2.86221	0.78603	2.05652	-1.73541
113	0	1	-2.75	8.923	2.17358	-3.51401	3.54199	-0.25524	2.73859	0.4632	2.2638	-1.69673
114	0	1	-2.5	8.97568	1.96766	-3.67491	3.70968	-0.15082	2.81014	0.74231	1.7001	-1.72303
115	0	1	-2.25	8.90222	2.10514	-4.15832	3.68427	0.26367	2.77414	1.41354	0.34082	-1.8922
116	0	1	-2	8.74952	2.06129	-4.28585	3.68896	0.4696	2.81988	1.23729	0.224	-1.81215
117	0	1	-1.75	8.72072	2.03272	-4.60183	3.52129	0.6039	2.6784	1.1276	0.48483	-1.38269
118	0	1	-1.5	8.84013	1.95419	-4.89251	3.66009	0.65942	2.67899	1.19992	-0.27058	-1.36691
119	0	1	-1.25	8.6064	1.94597	-5.21275	3.57615	0.65988	2.57631	1.21634	-0.23099	-1.35139
120	0	1	-1	8.54525	2.07898	-5.18231	3.52173	0.83686	2.68801	1.78712	-1.15342	-1.49879
121	0	1	0	8.18104	2.0034	-5.79536	3.23583	1.13575	2.68911	1.35649	-1.254	-1.30746
122	0	1	1	7.93069	1.98387	-6.44248	2.98282	1.38053	2.48637	1.55201	-1.01687	-0.86475
123	0	1	2	7.28867	1.82413	-7.32957	2.67297	1.53566	2.12195	0.54942	-0.18126	-0.32042
124	0	1	3	6.79939	1.74798	-8.33189	2.45799	1.60523	1.93371	0.69843	-0.4587	-0.19953
125	0	1	4	6.22743	1.67239	-8.97771	2.22504	1.66109	1.79677	0.56637	-0.24831	-0.12537
126	0	1	5	5.42033	1.51575	-9.48052	1.93913	1.48232	1.64675	0.40455	-0.13088	0.33816
127	0	1	6	4.58748	1.43355	-9.66673	1.51141	1.20211	1.48556	0.25319	0.02393	0.28206
128	0	1	7	3.78707	1.3139	-9.41568	1.43095	0.79723	1.43096	-0.09005	0.13721	0.33868
129	0	1	8	3.0987	1.24549	-9.03006	1.40712	0.41595	1.36137	-0.21247	0.02169	0.40178

130	0	1	9	2.60395	1.1297	-8.89189	1.29155	0.22118	1.39343	-0.1642	0.18232	0.34139
131	0	1	10	2.46224	1.09475	-8.80143	1.27395	0.08876	1.29033	-0.21844	0.04054	0.28007
132	0	2	10	3.2001	1.1742	-8.8045	1.28679	0.51461	1.27111	-0.12864	0.05661	0.29068
133	0	2	9	3.48081	1.11064	-8.80463	1.34252	0.70481	1.30589	-0.08728	0.15631	0.32402
134	0	2	8	3.92592	1.13752	-8.97943	1.4073	0.91377	1.37451	0.036	0.26965	0.3802
135	0	2	7	4.59046	1.25555	-9.34166	1.46294	1.18005	1.44827	0.00584	0.40147	0.3773
136	0	2	6	5.19176	1.3149	-9.57576	1.53371	1.58889	1.42861	0.21823	0.31135	0.25111
137	0	2	5	5.8689	1.43476	-9.56081	1.71837	1.95401	1.52869	0.39514	0.24095	0.32887
138	0	2	4	6.52123	1.54432	-9.35932	2.10389	2.10948	1.6344	0.78713	-0.15607	0.13396
139	0	2	3	6.99807	1.53187	-8.92607	2.16748	2.09971	1.64689	0.38307	-0.16426	0.09643
140	0	2	2	7.56235	1.63982	-8.10969	2.51011	1.88991	1.82137	0.56426	-0.55347	-0.00126
141	0	2	1	7.91221	1.68688	-7.752	2.47177	1.72454	1.9578	0.14958	-0.07753	-0.34576
142	0	2	0	8.25173	1.7056	-7.12273	2.54451	1.42476	2.11112	0.28433	-0.38174	-0.72328
143	0	2	-1	8.33742	1.87132	-6.86436	2.68487	1.49135	2.11523	0.42653	-0.00375	-0.73184
144	0	2	-1.25	8.39361	1.76091	-6.60831	2.81874	1.26909	2.2794	0.52848	0.41805	-0.81433
145	0	2	-1.5	8.24503	1.89489	-6.6392	2.79089	1.2728	2.16495	0.36658	0.13008	-0.98388
146	0	2	-1.75	8.4387	1.87812	-6.18977	2.97956	1.03716	2.2647	0.44817	0.74527	-0.92606
147	0	2	-2	8.48028	2.0687	-6.2659	2.9554	0.80647	2.29589	0.19568	0.93777	-1.23621
148	0	2	-2.25	8.47228	2.02935	-6.02047	3.08809	0.54797	2.41747	0.34934	1.36121	-1.48258
149	0	2	-2.5	8.48597	2.08416	-5.79437	3.21953	0.40824	2.4493	0.04491	1.25851	-1.37643
150	0	2	-2.75	8.40401	2.14282	-5.45809	3.24397	0.19765	2.55499	-0.02099	1.9981	-1.68263
151	0	2	-3	8.41272	2.24134	-4.8733	3.4969	0.00987	2.75003	-0.08941	2.42185	-2.03409
152	0	2	-3.25	8.47413	2.35967	-4.24678	3.55383	-0.33717	2.84874	-0.50276	3.0901	-2.19174
153	0	2	-3.5	8.5072	2.29743	-3.34993	3.6451	-0.82722	3.00682	-0.1171	3.34061	-2.27659
154	0	3.0001	-3.5	7.8348	2.52103	-5.26649	3.38914	0.46479	2.86783	0.54588	1.88476	-1.88302
155	0	3.0001	-3.25	7.97609	2.46802	-6.0087	3.07086	0.79212	2.67017	0.42478	0.95748	-1.95531
156	0	3.0001	-3	7.87956	2.3915	-6.15156	3.06642	1.10602	2.57072	0.44327	1.64154	-1.77732
157	0	3.0001	-2.75	7.80138	2.32727	-6.46387	2.77571	1.19741	2.40757	0.49289	0.67246	-1.46317
158	0	3.0001	-2.5	7.90041	2.30736	-6.72116	2.61511	1.46477	2.19317	0.53475	0.79504	-1.47981
159	0	3.0001	-2.25	7.92627	2.15524	-6.74409	2.45394	1.54888	2.20796	0.40939	0.33712	-1.29615
160	0	3.0001	-2	7.89466	2.06843	-6.99758	2.38907	1.58461	2.08796	0.60622	0.35526	-1.05767
161	0	3.0001	-1.75	7.97446	2.10907	-6.96999	2.09914	1.7593	2.07395	0.59949	0.2576	-1.52165
162	0	3.0001	-1.5	8.12074	1.94436	-7.20188	2.08825	1.7285	1.91068	0.41428	0.34014	-0.89593
163	0	3.0001	-1.25	8.26816	1.84367	-7.33706	2.14096	1.82773	1.87741	0.66429	0.08977	-0.95757
164	0	3.0001	-1	8.32576	1.77988	-7.26924	1.98407	1.83216	1.90043	0.41626	0.13487	-0.84914
165	0	3.0001	0	8.44392	1.59941	-7.60707	2.15822	1.76011	1.78031	0.15662	0.1084	-0.38223
166	0	3.0001	1	8.1915	1.42838	-8.405	2.09507	1.94278	1.60685	0.38996	-0.15205	-0.04419
167	0	3.0001	2	7.70444	1.50826	-9.15081	1.96591	2.23023	1.48363	0.40562	0.09755	0.20545
168	0	3.0001	3	7.13899	1.43065	-9.73594	1.83373	2.32184	1.56994	0.60593	0.01699	0.43713
169	0	3.0001	4	6.59685	1.41437	-9.94619	1.68277	2.42435	1.51037	0.55572	0.23854	0.4878
170	0	3.0001	5	6.20897	1.31382	-9.98773	1.64855	2.19213	1.48504	0.38699	0.24436	0.44949
171	0	3.0001	6	5.81195	1.20535	-9.61953	1.52612	1.94038	1.46744	0.1883	0.36127	0.38774
172	0	3.0001	7	5.23207	1.23715	-9.36521	1.48604	1.66291	1.36346	0.09504	0.37948	0.36781
173	0	3.0001	8	4.70691	1.09327	-8.8974	1.42173	1.18938	1.33072	-0.06973	0.16646	0.30102
174	0	3.0001	9	4.39694	1.05418	-8.615	1.38346	1.07958	1.22782	-0.01261	0.19175	0.16495
175	0	3.0001	10	4.22031	1.03478	-8.5479	1.21872	0.78824	1.20463	-0.10525	0.09931	0.13417
176	0	4	10	5.1989	1.09582	-8.65054	1.22099	1.22292	1.20624	-0.04028	0.02396	0.15588
177	0	4	9	5.25519	1.12007	-9.01334	1.39217	1.3672	1.31824	-0.05393	0.15506	0.34053
178	0	4	8	5.50076	1.09656	-9.35627	1.50021	1.69479	1.21388	0.23617	0.34988	0.25573
179	0	4	7	5.87129	1.15772	-9.9081	1.51753	1.76268	1.23603	0.26261	0.3212	0.22569
180	0	4	6	6.142	1.21952	-10.30661	1.63024	2.04659	1.34943	0.40088	0.4844	0.28982
181	0	4	5	6.4036	1.2553	-10.54296	1.70419	2.26975	1.39702	0.45534	0.43472	0.40528
182	0	4	4	6.71672	1.35114	-10.61346	1.68046	2.31223	1.47852	0.58313	0.26228	0.23149

183	0	4	3	7.03118	1.34682	-10.36409	1.66906	2.14726	1.49101	0.57325	0.33312	0.48829
184	0	4	2	7.63834	1.4045	-9.9371	1.60068	2.05863	1.4501	0.45868	0.17164	0.48442
185	0	4	1	8.21905	1.39347	-9.21227	1.66954	1.94663	1.43736	0.13556	0.15987	0.23757
186	0	4	0	8.38592	1.4627	-8.30814	1.87176	1.85798	1.62472	0.2711	0.48003	-0.18447
187	0	4	-1	8.04905	1.76532	-7.41191	1.91	1.99848	1.73375	0.18289	0.44608	-0.6227
188	0	4	-1.25	7.79569	1.9336	-7.16966	1.79043	2.2996	1.83389	0.27866	0.40866	-1.15353
189	0	4	-1.5	7.77162	1.87056	-7.08641	1.84193	2.26007	1.91102	0.46728	0.23823	-1.02603
190	0	4	-1.75	7.44039	2.06748	-6.86531	2.02036	2.51799	2.06477	0.31562	0.34653	-1.34784
191	0	4	-2	7.28564	2.14567	-6.58318	2.09953	2.68835	2.21945	0.64052	0.16336	-1.39124
192	0	4	-2.25	7.05982	2.31582	-6.63252	2.00186	2.84808	2.26137	0.62783	0.41526	-1.67819
193	0	4	-2.5	6.86311	2.372	-6.51132	2.18325	2.92647	2.42357	0.77059	0.50991	-1.67378
194	0	4	-2.75	6.70854	2.45115	-6.32682	2.40364	3.16419	2.56461	0.7368	0.66014	-2.07994
195	0	4	-3	6.655	2.562	-6.23838	2.58201	3.26061	2.72625	0.50741	0.71823	-2.32011
196	0	4	-3.25	6.50016	2.593	-6.12877	2.64991	3.28676	2.80507	0.84584	0.50455	-2.27003
197	0	4	-3.5	6.66894	2.67208	-5.59356	3.00163	3.48608	2.90775	0.84213	0.98534	-2.41204
198	0	5.0001	-3.5	5.39472	2.47502	-4.45629	2.92571	4.70984	2.8582	0.26362	1.86076	-1.9377
199	0	5.0001	-3.25	5.62252	2.55404	-5.06509	2.67414	4.49327	2.87938	0.96204	1.52231	-1.47096
200	0	5.0001	-3	5.79676	2.64906	-5.02746	2.48834	4.24152	2.7841	0.88249	1.07058	-2.13908
201	0	5.0001	-2.75	6.38939	2.46825	-5.05757	2.42508	3.79048	2.73888	0.58229	1.10854	-2.37316
202	0	5.0001	-2.5	6.69873	2.37356	-5.4106	2.23507	3.40306	2.6486	0.26565	1.19739	-2.1907
203	0	5.0001	-2.25	7.05386	2.29532	-5.61884	2.19562	2.79363	2.52772	0.22926	0.75468	-1.70257
204	0	5.0001	-2	7.40997	2.02622	-6.05106	1.97156	2.52318	2.13488	0.05598	0.70651	-1.09178
205	0	5.0001	-1.75	7.62438	2.04607	-6.2207	2.09479	2.14437	2.13157	-0.02714	0.86949	-1.05238
206	0	5.0001	-1.5	7.88312	1.838	-6.54381	1.88399	2.11142	2.00228	0.14755	0.99934	-0.81007
207	0	5.0001	-1.25	8.0741	1.70991	-6.99138	1.86646	1.93315	1.78023	0.09381	0.83615	-0.49074
208	0	5.0001	-1	8.28182	1.6372	-7.36812	1.88344	1.71153	1.69342	-0.03223	0.88296	-0.39925
209	0	5.0001	0	8.43296	1.50988	-8.81638	1.84725	1.52597	1.45366	0.30106	0.36707	0.13974
210	0	5.0001	1	7.90346	1.45001	-9.826	1.60487	1.51313	1.48476	0.15735	0.32863	0.43491
211	0	5.0001	2	7.31085	1.32161	-10.49068	1.60452	1.38925	1.50459	0.17843	0.13457	0.6098
212	0	5.0001	3	6.6	1.28797	-11.15141	1.57557	1.67821	1.41502	0.3741	0.14962	0.44703
213	0	5.0001	4	6.22563	1.23481	-11.27198	1.59472	2.02782	1.27483	0.34584	0.16582	0.14996
214	0	5.0001	5	6.2201	1.30389	-11.20619	1.66843	2.21719	1.29396	0.51936	0.32907	0.27425
215	0	5.0001	6	6.23951	1.29707	-10.82497	1.51538	2.21755	1.29607	0.44856	0.35233	0.14266
216	0	5.0001	7	6.11094	1.28057	-10.47103	1.45932	2.07631	1.24272	0.29367	0.31641	0.18767
217	0	5.0001	8	6.09859	1.26034	-9.91563	1.36603	1.91756	1.23909	0.14026	0.19871	0.26693
218	0	5.0001	9	6.10253	1.20826	-9.47531	1.29274	1.67369	1.28262	0.13854	0.14201	0.32017
219	0	5.0001	10	5.97549	1.24873	-8.92396	1.29298	1.58207	1.20871	0.00472	0.02933	0.17927
220	0	6	10	6.27383	1.48508	-9.66514	1.41881	2.01582	1.32672	-0.00334	-0.02939	0.3835
221	0	6	9	6.22922	1.50875	-10.45311	1.30566	2.03554	1.28873	0.01059	-0.0416	0.3494
222	0	6	8	6.2315	1.34602	-10.98895	1.21095	2.2214	1.22323	0.04523	0.11771	0.13628
223	0	6	7	6.17091	1.25427	-11.32073	1.26836	2.38799	1.12778	0.13322	0.26607	0.2828
224	0	6	6	6.04859	1.24433	-11.68766	1.27663	2.3026	1.12502	0.15482	0.13942	0.07461
225	0	6	5	5.87408	1.2548	-11.87464	1.35057	2.21129	1.16199	0.15771	0.0683	0.11096
226	0	6	4	5.68452	1.36356	-11.90266	1.37016	1.57356	1.23018	0.24221	0.05616	0.22424
227	0	6	3	6.07241	1.31608	-11.79855	1.35601	1.00363	1.25429	0.32383	0.14139	0.40645
228	0	6	2	7.00226	1.36509	-11.26834	1.42936	0.78242	1.45353	0.09778	0.10243	0.56459
229	0	6	1	7.74754	1.41093	-10.50686	1.55054	0.73775	1.45724	0.03353	0.31627	0.4496
230	0	6	0	8.15999	1.59175	-9.63057	1.61847	0.63099	1.54378	0.01606	0.45496	0.53988
231	0	6	-1	8.37809	1.76259	-8.13298	1.95138	0.58092	1.75029	0.15754	1.22771	0.21987
232	0	6	-1.25	8.35552	1.76497	-7.72961	1.95143	0.55512	1.79613	0.09948	1.11161	0.04017
233	0	6	-1.5	8.344	1.79885	-7.18946	2.17948	0.61634	1.85058	-0.43381	1.27041	-0.08014
234	0	6	-1.75	8.45738	1.76083	-6.7901	2.26257	0.5702	2.06051	-0.31463	1.51565	-0.17205
235	0	6	-2	8.33213	1.81304	-6.30848	2.2357	0.59002	2.17517	-0.37677	1.81209	-0.46671

236	0	6	-2.25	8.08989	1.92647	-5.64587	2.3163	0.7034	2.31647	-0.07967	1.76321	-0.69012
237	0	6	-2.5	7.8803	1.96061	-5.264	2.50833	0.86735	2.67595	-0.1464	2.36918	-0.69517
238	0	6	-2.75	7.69942	2.11065	-4.92473	2.47213	1.0183	2.77041	-0.37036	2.10061	-1.41062
239	0	6	-3	7.26818	2.16426	-4.79632	2.56682	1.26909	3.10726	-0.17931	2.59748	-1.85978
240	0	6	-3.25	6.65576	2.33663	-4.81734	2.82221	1.52557	3.27023	0.75143	2.89584	-1.38276
241	0	6	-3.5	6.13622	2.20269	-5.01918	2.82937	1.82759	3.30966	0.51294	2.90128	-0.97771

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Output, 6 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-5	1.6	1.49989	2.01516	0.3347	1.85015	-3.27543	2.45594	-0.70936	0.97794	-2.05987
1	0	-5	2.1	1.99303	2.1658	0.25104	1.78584	-3.49353	2.38418	-0.73746	1.07373	-2.24513
2	0	-5	2.6	2.08627	1.93711	0.10216	1.66041	-3.74741	2.07791	-0.2959	0.63857	-1.38489
3	0	-5	3.1	2.43109	1.9337	-0.15222	1.67327	-4.00767	2.04622	0.18712	0.22172	-1.23035
4	0	-5	3.6	2.49804	1.97199	-0.48801	1.45873	-4.10271	1.96468	0.0989	-0.03742	-1.19674
5	0	-5	4.1	2.711	1.85144	-0.64597	1.51874	-4.2001	1.87989	0.49836	-0.12486	-0.85945
6	0	-5	4.6	2.70786	1.91894	-0.9889	1.37144	-4.22706	1.83033	0.45926	-0.26631	-0.94196
7	0	-5	5.1	3.03971	1.77104	-1.23974	1.3702	-4.50172	1.78504	0.40743	0.08419	-0.83125
8	0	-5	5.6	3.15656	1.7759	-1.61673	1.45811	-4.66945	1.75991	0.30076	-0.15309	-0.76556
9	0	-5	6.1	3.31073	1.92479	-1.76959	1.70148	-4.87545	1.716	-0.1848	-0.03743	-0.83184
10	0	-5	6.6	3.30874	2.13693	-1.8922	1.91523	-4.69693	1.64996	-0.82567	0.25745	-1.18148
11	0	-5	7.1	3.54066	2.65461	-1.78306	2.28645	-4.53616	1.65931	-1.29452	0.33495	-1.63504
12	0	-5	7.6	2.95192	2.64729	-0.88035	2.41989	-3.43335	1.61219	-2.00867	0.22159	-1.42672
13	0	-4.5	7.6	2.92707	2.63107	-1.00174	2.51848	-3.44041	1.57627	-1.78559	0.19484	-1.09924
14	0	-4.5	7.1	3.44292	2.61521	-1.35661	2.02165	-4.12355	1.66475	-0.9906	0.29282	-1.27401
15	0	-4.5	6.6	3.67671	2.26624	-1.53574	1.66917	-4.50407	1.7223	-0.31646	0.06396	-0.86429
16	0	-4.5	6.1	3.43748	2.1545	-1.30155	1.49281	-4.39996	1.82703	0.14081	0.15587	-0.70689
17	0	-4.5	5.6	3.23048	1.98043	-0.9266	1.43986	-4.05967	1.84247	0.36499	-0.01105	-0.62267
18	0	-4.5	5.1	2.95079	1.91811	-0.68167	1.53311	-3.95255	1.81421	0.55438	-0.04713	-0.75525
19	0	-4.5	4.6	3.08127	2.18266	-0.21001	1.54517	-3.68719	1.99153	0.62763	-0.00638	-1.27872
20	0	-4.5	4.1	3.06571	2.10622	0.12076	1.62157	-3.79589	2.04523	0.78411	-0.22957	-1.34376
21	0	-4.5	3.6	2.75721	2.08913	0.21708	1.69747	-3.75199	2.09311	0.63699	-0.0762	-1.29051
22	0	-4.5	3.1	2.72972	2.23819	0.70826	1.67552	-3.387	2.10125	0.847	-0.12069	-1.92352
23	0	-4.5	2.6	2.33722	2.15308	0.69188	1.74988	-3.29979	2.17502	0.44055	-0.08271	-1.94609
24	0	-4.5	2.1	2.06561	1.98787	0.55095	1.7612	-3.24279	2.07191	0.28746	-0.1888	-1.56175
25	0	-4.5	1.6	1.77822	2.10656	0.50973	1.61641	-2.87175	2.12603	0.60906	-0.2125	-1.69296
26	0	-4	1.6	2.10257	1.88672	0.71799	1.73832	-2.51833	2.06441	0.29314	-0.05748	-1.35035
27	0	-4	2.1	1.88874	1.992	0.3525	1.93382	-2.87267	1.9154	-0.60742	-0.01684	-1.29519
28	0	-4	2.6	1.94715	1.84197	0.4385	1.83082	-2.86428	1.96075	-0.08394	-0.3833	-1.02849
29	0	-4	3.1	1.93853	1.95258	0.44443	1.82609	-2.82606	1.90444	-0.0937	-0.30903	-1.03787
30	0	-4	3.6	1.8054	2.04242	0.03437	1.71916	-2.69862	1.88305	-0.31195	-0.16253	-1.32885
31	0	-4	4.1	1.88741	2.02306	-0.11442	1.67134	-2.8425	1.7909	-0.062	-0.24014	-0.82971
32	0	-4	4.6	2.18537	1.88496	-0.26184	1.54936	-2.8638	1.84156	0.0251	-0.34142	-0.73715

33	0	-4	5.1	2.69181	1.84626	-0.51575	1.53336	-3.35006	1.91215	0.05749	-0.19035	-0.53149
34	0	-4	5.6	2.65778	1.80485	-0.98689	1.49881	-3.51575	1.95522	0.26669	0.02871	-0.45099
35	0	-4	6.1	2.79186	1.76686	-1.25991	1.45184	-3.9553	1.84156	0.21974	0.09281	-0.18791
36	0	-4	6.6	3.28182	1.92068	-1.70106	1.67859	-4.30296	1.84951	-0.22111	0.27064	-0.31354
37	0	-4	7.1	3.22443	2.29545	-1.86266	2.03925	-4.33563	1.73482	-1.15589	0.27215	-0.56033
38	0	-4	7.6	3.08761	2.64174	-1.36104	2.42806	-3.55777	1.63118	-1.66341	0.34283	-0.91769
39	0	-3.5	7.6	3.39725	2.52128	-1.52794	2.18358	-3.87457	1.76407	-1.46861	0.39833	-0.95854
40	0	-3.5	7.1	3.85966	2.33458	-1.34733	1.76142	-4.0964	1.85055	-0.52176	0.21947	-0.22812
41	0	-3.5	6.6	3.62898	1.98735	-0.87547	1.59958	-3.49397	1.97601	-0.10153	0.44443	-0.51806
42	0	-3.5	6.1	3.33211	1.90225	-0.3978	1.48363	-3.12052	1.98178	0.12409	0.39388	-0.42481
43	0	-3.5	5.6	2.7659	2.05864	-0.11199	1.49197	-2.44347	1.97048	0.24797	0.10522	-0.67042
44	0	-3.5	5.1	2.89116	2.04846	0.17576	1.57818	-2.55132	1.95885	0.03113	0.16727	-0.52423
45	0	-3.5	4.6	3.22254	2.07598	0.15758	1.51523	-2.27259	1.84523	-0.2266	-0.081	-0.73856
46	0	-3.5	4.1	2.22147	2.21196	0.51127	1.87636	-2.44941	2.02004	-0.37891	-0.32111	-1.10605
47	0	-3.5	3.6	1.77529	2.37284	0.34871	1.85584	-2.03012	1.86755	-0.50007	-0.28269	-1.30775
48	0	-3.5	3.1	2.36156	2.78331	0.42661	1.8838	-2.13416	1.93594	-0.85787	-0.11059	-1.74007
49	0	-3.5	2.6	1.99452	2.4646	0.52843	1.88576	-2.15353	1.90429	-0.91816	0.11255	-1.76667
50	0	-3.5	2.1	2.26843	2.42301	0.51964	2.12824	-2.45668	1.9744	-1.27492	-0.09178	-1.51409
51	0	-3.5	1.6	2.28284	2.55967	0.36145	2.01673	-2.19577	2.17228	-1.4379	-0.01518	-2.06516
52	0	-3	1.6	3.56892	2.83451	0.64158	2.5248	-3.09938	2.21486	-2.8597	0.33691	-2.22016
53	0	-3	2.1	4.32317	2.46756	0.74197	2.1371	-3.29415	2.0118	-1.83665	-0.02911	-1.51965
54	0	-3	2.6	3.99395	2.5282	0.76135	2.17864	-2.95268	1.93779	-1.9211	0.09106	-1.3772
55	0	-3	3.1	3.48749	2.71879	1.03175	2.05046	-2.75516	1.85574	-1.3228	0.0091	-1.49032
56	0	-3	3.6	3.80951	2.35017	0.86147	1.85125	-2.46839	1.90707	-1.46168	-0.14587	-1.09105
57	0	-3	4.1	3.45379	2.56082	0.82213	1.87522	-2.41461	1.96387	-0.99268	-0.26792	-1.13344
58	0	-3	4.6	3.34865	2.31471	0.70555	1.82984	-2.41421	1.8015	-0.95211	-0.10238	-0.65246
59	0	-3	5.1	3.60981	1.94137	0.47488	1.57532	-2.61532	1.78584	-0.52558	-0.23832	-0.10346
60	0	-3	5.6	3.39692	1.91887	0.20238	1.53706	-2.87777	1.95104	-0.33142	-0.08444	-0.3442
61	0	-3	6.1	3.85114	1.91632	-0.21284	1.52161	-3.2046	2.24009	-0.24882	0.05034	0.25915
62	0	-3	6.6	4.20995	1.7591	-0.62409	1.56821	-3.91312	2.14245	-0.32145	0.31424	0.07541
63	0	-3	7.1	4.5146	1.9748	-1.13222	1.76908	-4.39987	2.24843	-0.63579	0.33472	-0.20125
64	0	-3	7.6	4.40644	2.59183	-1.31554	2.01855	-4.2881	1.90497	-1.71053	0.29209	-0.68506
65	0	-2.5	7.6	5.14297	2.35629	-1.11737	1.91895	-4.55135	2.04123	-1.21824	0.1542	-0.07303
66	0	-2.5	7.1	4.63368	2.05786	-0.91209	1.67108	-3.90728	2.27263	-0.5053	0.58931	-0.16866
67	0	-2.5	6.6	4.20996	2.1251	-0.27297	1.58008	-3.21085	2.35747	-0.30399	0.60626	-0.02333
68	0	-2.5	6.1	4.09816	2.18305	0.09071	1.63812	-2.49684	2.09643	-0.50813	0.08414	-0.09302
69	0	-2.5	5.6	3.95581	2.4861	0.44908	1.65031	-2.2098	1.79581	-0.84686	0.03984	-0.1201
70	0	-2.5	5.1	4.13929	2.7237	0.81081	1.83091	-2.17743	1.85782	-1.51253	-0.1291	-0.50349
71	0	-2.5	4.6	4.14283	2.66817	0.67965	1.80019	-1.96966	1.8646	-1.25671	-0.04766	-0.90771
72	0	-2.5	4.1	4.11403	3.00449	0.6974	1.89243	-2.13277	1.72812	-1.99016	-0.04838	-1.02549
73	0	-2.5	3.6	4.13681	3.10379	0.77393	2.07749	-2.43167	1.84579	-2.53718	0.34988	-1.41037
74	0	-2.5	3.1	4.70394	3.08427	0.58209	2.13295	-2.60829	1.92479	-2.36732	0.17411	-2.18479
75	0	-2.5	2.6	5.24635	3.09811	0.71848	2.32909	-3.15757	1.97904	-3.03387	0.32271	-1.97815
76	0	-2.5	2.1	5.24413	3.0906	0.63072	2.5397	-3.39926	1.93509	-3.09995	0.25103	-2.19026
77	0	-2.5	1.6	5.5877	2.85513	0.28796	2.53583	-3.59019	2.15316	-2.45243	0.21943	-2.38342
78	0	-2	1.6	6.84407	2.736	0.2607	2.69871	-4.24932	2.04536	-2.1196	0.22697	-2.09697
79	0	-2	2.1	6.51969	2.78972	0.80552	2.29663	-3.86057	1.96219	-2.25914	-0.0695	-1.61091
80	0	-2	2.6	6.34875	2.92977	0.96554	2.13834	-3.52592	1.93484	-2.20116	0.22233	-1.9264
81	0	-2	3.1	6.0085	3.11332	1.16077	2.12357	-3.19023	1.89572	-2.35018	0.15371	-2.05836
82	0	-2	3.6	6.31448	2.98051	1.20463	2.02455	-2.89201	1.80774	-2.14808	-0.05066	-1.49835
83	0	-2	4.1	5.86345	3.14383	1.23473	2.0658	-2.66525	1.85773	-1.96227	-0.02255	-1.31091
84	0	-2	4.6	5.45695	3.22031	1.19827	1.9085	-2.27063	1.80904	-1.38439	0.04068	-0.9351
85	0	-2	5.1	5.1565	2.9148	1.16277	1.71873	-1.95862	1.79816	-1.33598	-0.05932	-0.6514

86	0	-2	5.6	4.69442	2.87173	0.87906	1.74102	-1.95452	1.91137	-1.26107	-0.03325	-0.41293
87	0	-2	6.1	4.47559	2.49345	0.74504	1.67235	-2.14623	2.05367	-0.89831	0.30565	-0.00267
88	0	-2	6.6	4.67374	2.32363	0.32547	1.57531	-2.43479	2.03621	-0.65393	0.1737	0.03529
89	0	-2	7.1	5.09245	2.04713	-0.21559	1.60043	-3.45326	2.26462	-0.6215	0.55288	0.20191
90	0	-2	7.6	5.50039	2.32438	-0.67789	1.63515	-3.70476	2.12699	-0.79212	0.56881	0.22026
91	0	-1.5	7.6	6.01072	2.30666	-0.10339	1.66705	-3.58178	2.13442	-0.4852	0.55976	0.68517
92	0	-1.5	7.1	6.01883	2.38157	0.32747	1.6546	-2.87583	2.22979	-0.34395	0.39989	0.49529
93	0	-1.5	6.6	6.03475	2.59918	0.97147	1.74216	-2.48604	2.00704	-0.65497	0.02597	0.57496
94	0	-1.5	6.1	6.30665	2.9031	1.15355	1.81888	-2.21169	1.82837	-1.11203	-0.02048	0.44108
95	0	-1.5	5.6	6.22372	2.98174	1.49526	1.84048	-2.13978	1.72984	-1.46976	-0.21095	-0.23726
96	0	-1.5	5.1	6.65828	3.28318	1.60725	2.00171	-2.29881	1.85553	-1.46921	-0.20679	-1.06121
97	0	-1.5	4.6	7.29135	3.05575	1.52172	2.05534	-2.50062	1.84102	-1.95646	-0.13637	-1.27769
98	0	-1.5	4.1	7.72021	3.18539	1.44944	2.28392	-2.9999	1.82372	-2.17226	-0.35575	-1.33709
99	0	-1.5	3.6	7.37998	3.03563	1.65065	2.25667	-3.28885	1.81407	-2.22779	-0.17378	-1.37157
100	0	-1.5	3.1	7.42371	2.66622	1.10353	2.14182	-3.3752	1.72712	-1.59855	-0.09301	-1.21308
101	0	-1.5	2.6	6.89939	2.58528	1.17255	2.28012	-3.74662	1.83838	-1.39358	-0.32106	-1.39942
102	0	-1.5	2.1	6.99061	2.5442	0.82237	2.34925	-3.92267	1.93504	-1.09356	-0.53637	-1.70689
103	0	-1.5	1.6	6.72663	2.51852	0.63213	2.50957	-4.13116	1.99977	-0.47008	-0.72716	-1.91416
104	0	-1	1.6	6.15261	2.49042	0.75637	2.55547	-3.67518	2.20833	0.80018	-1.45482	-2.52603
105	0	-1	2.1	6.66247	2.5321	1.27207	2.45682	-3.83361	2.0517	0.2869	-0.96032	-1.78949
106	0	-1	2.6	6.98005	2.48553	1.29116	2.43754	-3.59416	1.93893	-0.16225	-0.92174	-1.19572
107	0	-1	3.1	7.16329	2.62119	1.51628	2.39688	-3.5421	1.80953	-0.84277	-0.51486	-1.26075
108	0	-1	3.6	7.32672	2.45818	1.86587	2.14967	-3.11416	1.77873	-0.88671	-0.40317	-1.0983
109	0	-1	4.1	7.56098	2.6325	1.99808	2.21769	-3.00328	1.71357	-0.92261	-0.4668	-0.93891
110	0	-1	4.6	7.41376	2.844	2.04905	2.14194	-2.61263	1.73304	-1.33074	-0.27743	-0.87831
111	0	-1	5.1	7.88014	2.96278	2.2662	2.08277	-2.52854	1.75653	-1.45221	-0.22605	-0.41051
112	0	-1	5.6	7.28307	3.0551	2.23375	1.95781	-2.33995	1.80799	-1.18573	-0.07662	-0.58666
113	0	-1	6.1	6.53881	2.97191	1.82688	1.75293	-2.05148	1.81943	-0.86864	0.05566	0.04251
114	0	-1	6.6	6.51784	2.76371	1.48579	1.71592	-2.18819	1.88654	-0.55657	0.14353	0.11986
115	0	-1	7.1	6.5567	2.62284	1.16064	1.72634	-2.75115	2.0976	-0.43484	0.4749	1.06526
116	0	-1	7.6	6.56424	2.38162	0.60404	1.63867	-3.15748	2.07672	-0.28149	0.63716	0.49198
117	0	-0.5	7.6	7.25045	2.35138	1.39373	1.60041	-3.15809	2.09569	0.14681	0.34943	0.70045
118	0	-0.5	7.1	7.23132	2.56809	1.84923	1.74634	-2.64647	1.90814	-0.31868	0.12759	0.67234
119	0	-0.5	6.6	7.18725	2.63243	2.15568	1.77079	-2.36992	1.66416	-0.45705	0.16307	0.19976
120	0	-0.5	6.1	7.89918	2.68347	2.48249	1.91079	-2.33507	1.75533	-0.59196	-0.01629	-0.16219
121	0	-0.5	5.6	7.80271	2.56789	2.39814	2.00601	-2.46826	1.62419	-0.80422	-0.28514	-0.30679
122	0	-0.5	5.1	7.85428	2.52929	2.35026	2.18292	-2.64372	1.62961	-0.54487	-0.24506	-0.55371
123	0	-0.5	4.6	7.82038	2.36032	2.21461	2.25862	-2.84018	1.68667	-0.30388	-0.59149	-0.85901
124	0	-0.5	4.1	7.39395	2.38366	2.11889	2.26473	-2.89545	1.73449	0.08924	-0.77082	-0.76194
125	0	-0.5	3.6	6.84166	2.33938	1.92514	2.39016	-3.18408	1.73567	0.20127	-0.81112	-1.13973
126	0	-0.5	3.1	6.77475	2.41582	1.64588	2.50037	-3.25624	1.75331	0.63221	-1.19547	-1.51837
127	0	-0.5	2.6	6.04148	2.42704	1.24733	2.42421	-3.20324	1.97754	0.84745	-1.30991	-1.97573
128	0	-0.5	2.1	5.55131	2.49617	1.16511	2.47523	-3.24898	2.05671	1.29135	-1.30404	-2.12382
129	0	-0.5	1.6	5.19116	2.27351	0.76549	2.41357	-3.26541	2.00428	0.90257	-0.92847	-1.89603
130	0	0	1.6	4.10898	2.11012	0.74692	2.40558	-2.76719	2.0115	1.45272	-1.39992	-1.92374
131	0	0	2.1	4.61153	2.0554	1.20861	2.3395	-2.90772	1.89879	1.30289	-1.22355	-1.61582
132	0	0	2.6	5.07522	2.26075	1.50161	2.39311	-3.03593	1.84935	1.30215	-0.82603	-1.21064
133	0	0	3.1	5.49593	2.1287	1.64434	2.33547	-3.01086	1.77656	1.07154	-1.07728	-1.23859
134	0	0	3.6	6.14141	2.1809	1.86282	2.19428	-2.99449	1.67459	1.02683	-0.69637	-0.98284
135	0	0	4.1	6.49608	2.16218	2.16468	2.33101	-2.94919	1.78616	0.5837	-0.91463	-0.75316
136	0	0	4.6	7.12008	2.26303	2.3043	2.34579	-2.84421	1.7733	0.33796	-0.81438	-0.54354
137	0	0	5.1	7.80066	2.24892	2.6446	2.29245	-2.7214	1.74394	0.30376	-0.48209	-0.30041
138	0	0	5.6	8.31587	2.49036	2.93574	2.24977	-2.71273	1.8174	-0.43068	-0.4048	-0.42311

139	0	0	6.1	8.11128	2.48898	3.08071	2.10415	-2.58952	1.77434	-0.48211	-0.15215	-0.01684
140	0	0	6.6	8.02413	2.61002	3.16174	2.01665	-2.85899	1.77333	-0.31628	-0.20546	0.45625
141	0	0	7.1	8.03783	2.58363	2.76615	1.82379	-2.99971	1.97672	-0.24188	0.17872	0.50241
142	0	0	7.6	8.10201	2.40359	2.47177	1.84545	-3.41892	2.16632	0.3311	0.78039	0.49545
143	0	0.5	7.6	8.32063	2.29868	3.15361	1.80014	-3.77842	2.21623	0.11245	0.58772	0.90198
144	0	0.5	7.1	8.27827	2.28569	3.3929	1.82248	-3.25866	1.80023	0.1095	0.0748	0.42258
145	0	0.5	6.6	8.09387	2.37349	3.47277	1.93991	-2.92818	1.69919	-0.04111	0.03429	0.0417
146	0	0.5	6.1	8.05344	2.20694	3.23974	2.08287	-2.91209	1.66531	0.17803	-0.34347	-0.06302
147	0	0.5	5.6	7.74752	2.30143	3.04379	2.32505	-2.90702	1.78694	0.14196	-0.50957	-0.07692
148	0	0.5	5.1	7.17664	2.15965	2.57897	2.39144	-3.0122	1.7095	0.65268	-0.48552	-0.40982
149	0	0.5	4.6	6.66331	2.06645	2.18228	2.40866	-2.91224	1.67557	1.02061	-0.63903	-0.75637
150	0	0.5	4.1	5.97042	2.0847	1.82991	2.39229	-2.89473	1.66547	0.93541	-0.56113	-0.90246
151	0	0.5	3.6	5.36799	2.0358	1.50266	2.46039	-2.95207	1.84456	0.86479	-0.78269	-1.04865
152	0	0.5	3.1	5.03895	2.02402	1.21177	2.40004	-2.84866	1.72925	1.21507	-0.25192	-1.24209
153	0	0.5	2.6	4.09953	1.92471	0.70278	2.22823	-2.69581	1.88847	0.6465	-0.59897	-1.4003
154	0	0.5	2.1	3.63707	1.9944	0.59207	2.41399	-2.54226	1.84806	0.95169	-0.65219	-1.34188
155	0	0.5	1.6	3.33563	2.02431	0.32696	2.31931	-2.37622	1.93541	0.83711	-0.51234	-1.62213
156	0	1	1.6	2.97166	1.7874	0.20141	2.04128	-2.47851	1.83702	0.10944	0.26993	-1.10407
157	0	1	2.1	3.41249	1.67583	0.42705	2.01433	-2.83215	1.78965	0.45135	0.01602	-1.02431
158	0	1	2.6	3.73977	1.73817	0.74833	2.0578	-2.92142	1.77591	0.491	0.01256	-0.93679
159	0	1	3.1	4.00041	1.87764	1.04457	2.1533	-2.8139	1.66057	0.52038	0.01883	-0.88497
160	0	1	3.6	4.65998	1.74451	1.09384	2.04309	-2.9492	1.65248	0.62164	-0.31983	-0.91465
161	0	1	4.1	5.19845	1.95835	1.59999	2.22873	-2.99681	1.69192	0.73741	-0.28787	-0.85539
162	0	1	4.6	5.82551	2.08223	2.23006	2.46744	-3.18115	1.69131	0.69563	-0.66568	-0.71227
163	0	1	5.1	6.32208	1.98202	2.56598	2.35622	-3.11379	1.69175	0.5793	-0.18752	-0.47184
164	0	1	5.6	6.95749	2.00503	2.92321	2.21277	-3.25089	1.64463	0.41148	-0.36815	-0.16636
165	0	1	6.1	7.40372	2.10077	3.48251	2.10445	-3.2075	1.68355	0.45247	-0.49619	-0.30929
166	0	1	6.6	7.67238	2.11987	3.82021	1.90545	-3.44088	1.77912	-0.04493	0.01656	0.14993
167	0	1	7.1	7.92275	2.29252	3.93217	1.76059	-3.62262	1.89394	0.12253	0.29393	0.48334
168	0	1	7.6	8.0723	2.08822	3.82729	1.70472	-4.11277	2.00967	0.08096	0.21612	0.20109
169	0	1.5	7.6	7.878	2.05883	4.33124	1.64089	-4.42248	1.86269	0.17621	0.15474	0.29276
170	0	1.5	7.1	7.47777	1.9473	4.16086	1.71706	-3.94698	1.8702	0.04799	0.18346	0.32558
171	0	1.5	6.6	7.13525	1.95566	3.88034	1.92029	-3.58149	1.73588	0.11096	-0.12214	0.00353
172	0	1.5	6.1	6.8044	1.92474	3.22256	2.06654	-3.3188	1.65718	0.29817	-0.19134	-0.31213
173	0	1.5	5.6	6.22874	1.83267	2.85024	2.13649	-3.3588	1.64474	0.14607	-0.20923	-0.48725
174	0	1.5	5.1	5.64266	1.81473	2.20601	2.09545	-3.22961	1.61773	0.43288	-0.19557	-0.66663
175	0	1.5	4.6	5.31128	1.70692	1.80623	2.04614	-3.19868	1.599	0.5343	-0.15703	-0.87586
176	0	1.5	4.1	4.68914	1.7898	1.36528	2.07478	-3.16895	1.63281	0.45432	0.07232	-0.96376
177	0	1.5	3.6	4.20776	1.73589	1.15701	1.96225	-3.18816	1.63383	0.14415	0.34547	-0.89827
178	0	1.5	3.1	4.00915	1.6787	0.78052	1.91948	-3.12156	1.66091	0.04508	0.19833	-0.98416
179	0	1.5	2.6	3.54919	1.67761	0.41518	1.89951	-3.09215	1.65088	-0.19391	0.39072	-1.02234
180	0	1.5	2.1	3.00217	1.77616	0.21605	1.98708	-3.08687	1.86204	-0.00354	0.48706	-1.05577
181	0	1.5	1.6	2.89215	1.81669	0.05061	1.85458	-2.91129	1.79416	-0.28612	0.5528	-1.32766
182	0	2	1.6	3.08913	1.71943	0.15923	1.83268	-3.50978	1.81994	-0.02768	0.70932	-1.10458
183	0	2	2.1	3.35188	1.59878	0.42188	1.76665	-3.73812	1.77314	-0.10688	0.47989	-0.9474
184	0	2	2.6	3.42366	1.6365	0.57035	1.70318	-3.64778	1.70071	-0.18289	0.58929	-0.92127
185	0	2	3.1	3.6533	1.67572	0.67612	1.82185	-3.61513	1.61616	-0.07785	0.7268	-0.75748
186	0	2	3.6	4.08908	1.69233	0.95131	1.73601	-3.60202	1.59144	0.16144	0.2156	-0.81035
187	0	2	4.1	4.30828	1.67162	1.22422	1.91022	-3.60555	1.55826	0.15057	0.12292	-0.8105
188	0	2	4.6	4.73227	1.78862	1.78007	1.97408	-3.59241	1.62902	0.32928	0.17339	-0.72455
189	0	2	5.1	5.31337	1.78819	2.03483	1.95504	-3.69115	1.58078	0.33371	-0.0354	-0.62675
190	0	2	5.6	5.59483	1.80669	2.71669	2.04874	-3.77349	1.62773	0.2354	-0.17211	-0.4803
191	0	2	6.1	6.18746	1.77699	3.41893	1.96887	-3.7255	1.668	0.23541	0.02772	-0.14242

192	0	2	6.6	6.79945	1.82331	3.86265	1.82263	-3.99664	1.72298	-0.01162	-0.06084	-0.02422
193	0	2	7.1	7.15345	1.90076	4.44106	1.74378	-4.27614	1.89075	0.07914	0.01616	-0.07561
194	0	2	7.6	7.50649	2.02009	4.75717	1.61169	-4.64462	1.87696	-0.03175	0.14106	0.10918
195	0	2.5	7.6	7.09441	1.90619	4.81467	1.6636	-4.87111	1.78925	-0.01009	0.08021	-0.1423
196	0	2.5	7.1	6.70241	1.64267	4.25376	1.53624	-4.46817	1.67706	-0.01627	-0.03846	-0.16027
197	0	2.5	6.6	6.06917	1.62728	3.75841	1.65154	-4.26396	1.6199	0.07248	0.15986	-0.10408
198	0	2.5	6.1	5.84967	1.66037	3.07526	1.84205	-4.26944	1.57979	-0.03217	0.05481	-0.3945
199	0	2.5	5.6	5.22589	1.66761	2.48694	1.81139	-4.08275	1.52492	-0.15779	0.1599	-0.44185
200	0	2.5	5.1	4.67012	1.6513	2.01498	1.82112	-3.91421	1.44604	-0.02519	0.06347	-0.65187
201	0	2.5	4.6	4.43069	1.62074	1.52927	1.80528	-3.84138	1.44446	-0.11223	0.32524	-0.46572
202	0	2.5	4.1	4.05882	1.71436	1.19134	1.80173	-3.92481	1.48423	0.01078	0.33315	-0.85415
203	0	2.5	3.6	3.51618	1.63885	0.90378	1.7747	-3.80572	1.55232	-0.04965	0.36707	-0.81114
204	0	2.5	3.1	3.48807	1.5912	0.66112	1.77419	-3.86929	1.65049	-0.05217	0.46326	-0.89606
205	0	2.5	2.6	3.15515	1.80406	0.52134	1.86705	-4.13155	1.72919	-0.2488	0.67303	-1.29935
206	0	2.5	2.1	2.75577	1.66296	0.36169	1.73082	-3.83766	1.70908	-0.04853	0.63208	-1.08022
207	0	2.5	1.6	2.90222	1.52448	0.12514	1.68753	-3.87639	1.71726	-0.09898	0.61561	-0.93539
208	0	3	1.6	2.90704	1.67172	0.22308	1.66575	-4.60963	1.73248	-0.25359	0.89502	-1.20728
209	0	3	2.1	3.23053	1.43468	0.49591	1.55661	-4.69719	1.67216	0.05543	0.60981	-0.9408
210	0	3	2.6	3.22061	1.45509	0.54919	1.62558	-4.65659	1.63246	-0.04922	0.48919	-0.86314
211	0	3	3.1	3.08249	1.56681	0.7411	1.68102	-4.50347	1.51832	-0.01779	0.50152	-0.7258
212	0	3	3.6	3.72986	1.52904	0.8675	1.58374	-4.68536	1.59387	-0.04495	0.45464	-0.83414
213	0	3	4.1	3.76718	1.60358	1.11846	1.65433	-4.65892	1.54169	0.00811	0.50852	-0.83059
214	0	3	4.6	3.8583	1.56862	1.54403	1.71676	-4.62194	1.50463	-0.07913	0.33685	-0.68167
215	0	3	5.1	4.3073	1.51307	1.74195	1.68998	-4.525	1.49829	0.05283	0.29312	-0.47664
216	0	3	5.6	4.82216	1.55491	2.2254	1.66701	-4.53262	1.5364	0.01491	0.15235	-0.55435
217	0	3	6.1	5.24422	1.61644	3.01011	1.65248	-4.59583	1.568	-0.02402	0.08038	-0.63432
218	0	3	6.6	5.5297	1.46113	3.39165	1.56208	-4.52644	1.59251	0.05301	0.03073	-0.43259
219	0	3	7.1	6.21159	1.50848	3.98008	1.47617	-4.74871	1.62241	0.11713	-0.05895	-0.34942
220	0	3	7.6	6.81679	1.78795	4.76254	1.66968	-4.89499	1.65616	0.24996	-0.31765	-0.18528

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Output, 12 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-5	1.6	0.20266	4.57442	1.17529	3.8151	-1.74452	5.11823	-4.15852	6.82139	-10.19117
1	0	-5	2.1	1.08437	4.69288	1.87033	3.93087	-2.3016	5.02369	-4.18288	5.78423	-10.06979
2	0	-5	2.6	2.54142	4.59004	2.12928	3.67686	-3.26136	5.14741	-3.60558	6.05228	-10.69882
3	0	-5	3.1	4.1654	4.76328	2.31183	3.59821	-3.85146	5.14378	-3.54702	5.99046	-10.58132
4	0	-5	3.6	4.47506	4.64004	2.35075	3.68226	-4.17162	5.19839	-4.2791	5.65364	-12.44373
5	0	-5	4.1	5.42609	4.51848	2.11913	3.6015	-5.01921	5.15167	-4.41739	7.72187	-11.3286
6	0	-5	4.6	7.73116	3.86708	1.70951	3.48044	-6.00937	4.97023	-2.85133	5.92591	-7.71507
7	0	-5	5.1	7.88919	3.76423	1.35714	3.47563	-6.66467	4.74796	-2.15187	6.10492	-6.97562
8	0	-5	5.6	8.60761	3.44636	0.36697	3.63159	-7.38395	4.1621	-1.059	5.71639	-3.82985
9	0	-5	6.1	8.66143	3.71852	0.07979	3.93066	-7.62436	4.07264	-3.27313	6.67267	-5.05216
10	0	-5	6.6	9.02171	3.79763	-0.44092	4.39577	-7.5141	3.72372	-2.65676	5.87964	-3.98544

11	0	-5	7.1	9.47694	4.16434	-1.32683	4.4579	-7.2525	3.46651	-0.56487	4.73668	-3.15625
12	0	-5	7.6	9.593	4.6557	-1.07618	4.59661	-6.41423	3.073	-0.72391	3.35674	-3.64294
13	0	-4.5	7.6	9.75603	4.72975	-2.02319	4.07172	-6.29661	2.77064	-1.25869	2.12886	-2.14187
14	0	-4.5	7.1	10.3643	3.23572	-0.20558	4.16965	-6.54967	3.09875	0.30446	3.5325	-1.31826
15	0	-4.5	6.6	10.06135	3.06378	0.39947	3.99349	-6.95586	3.20891	0.42589	2.35897	-2.22992
16	0	-4.5	6.1	9.53186	2.87638	1.15574	3.66663	-6.74426	3.38676	0.81114	2.93066	-1.59635
17	0	-4.5	5.6	8.48355	3.19655	1.12758	3.60719	-7.43293	3.4785	-1.02476	2.01996	-2.62958
18	0	-4.5	5.1	8.46092	3.07302	1.66842	3.25123	-6.87721	3.67651	-1.27189	2.59599	-2.93148
19	0	-4.5	4.6	8.02733	3.17197	2.13769	3.16929	-6.63937	3.73281	-1.06469	2.63765	-3.76792
20	0	-4.5	4.1	7.50038	3.43929	2.74875	3.30176	-6.09623	3.90185	-1.53904	3.23146	-4.4207
21	0	-4.5	3.6	6.89891	3.5103	2.85431	3.44837	-5.80243	4.23318	-1.99253	4.31907	-6.2248
22	0	-4.5	3.1	6.39899	3.63893	2.98661	3.45789	-5.23156	4.20125	-1.42069	4.35683	-6.02879
23	0	-4.5	2.6	5.25498	3.90927	2.77443	3.66013	-4.95552	4.5533	-2.59564	3.7846	-7.07217
24	0	-4.5	2.1	4.18591	4.0854	2.53431	3.85212	-4.37638	4.6517	-3.49089	5.11201	-8.55294
25	0	-4.5	1.6	3.07629	4.0252	1.99111	3.76044	-3.42301	4.74119	-2.58924	4.05533	-8.76303
26	0	-4	1.6	4.65689	4.07436	2.18362	3.78182	-5.15584	4.06345	-2.98083	2.32576	-6.31584
27	0	-4	2.1	5.45622	3.88725	1.9008	4.30895	-5.64037	3.85266	-4.8385	2.07209	-5.22083
28	0	-4	2.6	5.91574	3.83266	2.33139	3.86813	-5.58636	3.9827	-3.55167	2.46353	-6.09067
29	0	-4	3.1	6.72647	3.5147	2.69949	3.73266	-5.77817	3.68472	-3.16015	1.85577	-4.15728
30	0	-4	3.6	7.38473	3.12436	2.56192	3.51443	-5.97455	3.5985	-1.48246	0.8735	-2.63274
31	0	-4	4.1	7.67645	3.42034	2.48083	3.58531	-6.13628	3.53449	-2.21487	2.02964	-2.67907
32	0	-4	4.6	7.998	3.21103	2.15516	3.33536	-6.0192	3.29616	-1.078	-0.50926	-2.0666
33	0	-4	5.1	8.41328	3.13008	1.50512	3.32552	-6.32391	3.19104	-0.9054	0.2079	-1.54166
34	0	-4	5.6	8.35367	2.98842	0.98675	3.41976	-6.6363	3.20835	0.39056	0.09758	-0.84371
35	0	-4	6.1	8.84267	3.1601	0.42437	3.48578	-6.81924	3.1712	1.19706	0.46665	-0.95748
36	0	-4	6.6	8.94974	3.39891	-0.92331	3.48828	-7.21572	3.30722	1.27234	2.12112	-1.09559
37	0	-4	7.1	8.97314	3.88177	-2.32992	3.62793	-7.08644	3.17172	0.0802	1.94735	-0.14541
38	0	-4	7.6	8.7201	4.83062	-2.92804	3.84922	-6.524	3.17562	-2.73247	1.6318	-1.25125
39	0	-3.5	7.6	9.55433	4.63748	-2.72934	3.63651	-6.25616	3.45367	-3.19779	2.19684	0.22273
40	0	-3.5	7.1	9.97263	3.46081	-1.11936	3.2078	-6.12677	3.36948	0.11493	2.12109	-0.10944
41	0	-3.5	6.6	9.57735	3.14694	0.12479	3.16387	-5.84885	3.24073	0.22429	1.84351	-0.4828
42	0	-3.5	6.1	9.13385	3.02503	1.14893	3.0884	-5.51708	3.11469	-0.40626	0.86322	-0.92344
43	0	-3.5	5.6	8.93053	3.17476	1.78254	3.15468	-5.23777	3.17964	-0.53581	-0.44885	-1.06432
44	0	-3.5	5.1	8.92318	3.05103	2.26128	3.12312	-5.32605	3.1964	-1.53715	-0.78558	-0.70292
45	0	-3.5	4.6	8.65233	3.01546	2.85672	3.20555	-5.36276	3.13697	-2.27031	-0.26949	-1.2021
46	0	-3.5	4.1	8.64258	3.08625	2.88235	3.13948	-5.44527	3.29171	-2.10557	-0.53183	-1.95402
47	0	-3.5	3.6	8.22225	3.38645	2.94864	3.54308	-5.66269	3.34743	-3.44355	-0.68156	-1.98138
48	0	-3.5	3.1	8.05676	3.3638	3.16191	3.54392	-5.58457	3.35656	-3.63607	0.80314	-2.93226
49	0	-3.5	2.6	7.28678	3.74368	3.14151	3.88406	-5.66204	3.63575	-5.12993	1.17038	-3.95262
50	0	-3.5	2.1	6.64252	3.87417	2.63719	3.83006	-5.9243	3.79716	-5.25902	0.98943	-4.31447
51	0	-3.5	1.6	6.68702	3.89093	2.35509	4.20287	-5.97956	3.7589	-6.01076	1.06392	-4.40276
52	0	-3	1.6	9.0796	4.29452	1.7508	4.29979	-6.73241	3.28136	-8.47264	0.93946	-4.21297
53	0	-3	2.1	9.36421	4.51032	1.39319	4.23266	-6.16327	3.51897	-8.7665	1.13778	-4.75282
54	0	-3	2.6	9.5544	4.63881	1.99518	4.11144	-5.95952	3.3627	-8.44974	0.55397	-3.52144
55	0	-3	3.1	10.23784	4.52877	2.49259	3.8805	-5.71259	3.25525	-6.39521	0.13303	-3.16281
56	0	-3	3.6	10.60176	4.40494	2.09225	3.76893	-5.16522	3.147	-6.96942	-0.37862	-1.7071
57	0	-3	4.1	10.57584	4.31351	2.37001	3.62362	-5.03517	3.08595	-5.2398	-0.70799	-1.41925
58	0	-3	4.6	10.86392	4.27487	2.23818	3.49154	-4.79628	3.00874	-5.9239	-0.34576	-0.62164
59	0	-3	5.1	10.28321	3.92043	2.0874	3.39249	-4.49567	3.19648	-3.34066	-0.52301	-0.33555
60	0	-3	5.6	10.05963	3.91058	1.77905	3.08892	-4.69394	3.28218	-2.56866	-0.22577	-0.05841
61	0	-3	6.1	9.95211	3.63607	1.19163	3.15247	-4.39145	3.23512	-1.84923	0.09509	-0.02525
62	0	-3	6.6	9.93062	3.77943	0.16337	3.1211	-4.99881	3.37732	-0.12491	2.05633	1.03729
63	0	-3	7.1	9.99612	3.58716	-0.88988	3.10375	-5.60658	3.67871	-0.84392	2.20035	0.63499

64	0	-3	7.6	10.42108	4.62979	-2.2752	3.2972	-6.283	3.71231	-2.16818	0.86632	1.5307
65	0	-2.5	7.6	11.84839	4.29695	-1.13663	3.31188	-6.16055	3.9302	-1.45776	2.16462	1.5296
66	0	-2.5	7.1	11.68287	4.32025	0.53055	3.01879	-4.85606	3.69372	-1.11551	2.16867	1.62783
67	0	-2.5	6.6	11.59397	4.11402	1.64695	3.00305	-4.09687	3.44867	-2.20748	1.46093	-0.17927
68	0	-2.5	6.1	11.87286	4.2527	2.34361	2.99904	-3.95586	3.24389	-2.59466	0.3692	-0.05135
69	0	-2.5	5.6	12.69259	4.79616	2.89519	3.26691	-4.00612	3.00457	-5.85541	0.55208	-0.75137
70	0	-2.5	5.1	12.6355	4.89055	3.40042	3.24363	-4.18577	3.06022	-5.46908	0.12637	-0.7999
71	0	-2.5	4.6	12.98833	4.6892	3.26522	3.25747	-4.49488	3.01533	-6.02821	0.27724	-2.1988
72	0	-2.5	4.1	13.28988	5.0998	3.10048	3.68301	-5.0802	3.14573	-7.94068	-0.22892	-2.28703
73	0	-2.5	3.6	13.09151	5.01695	2.85431	3.68848	-5.33687	3.13827	-8.10036	-0.19958	-3.51867
74	0	-2.5	3.1	12.78445	4.74597	2.79204	3.70903	-5.85455	3.06993	-7.52958	0.50871	-3.55032
75	0	-2.5	2.6	12.15648	4.76684	2.81232	3.96149	-6.24299	3.10998	-8.51009	0.81925	-4.03583
76	0	-2.5	2.1	11.97682	4.68765	2.16694	4.23395	-7.03315	3.2401	-8.70484	0.96961	-4.80196
77	0	-2.5	1.6	11.66745	4.64988	1.74217	4.11666	-7.10176	3.21506	-8.47087	0.01403	-3.84478
78	0	-2	1.6	13.05087	4.36731	1.73415	4.45031	-7.34023	3.31837	-4.06455	-0.33345	-5.22642
79	0	-2	2.1	14.26919	4.36774	0.89717	4.33896	-7.14055	3.23361	-2.36822	-2.29518	-4.5044
80	0	-2	2.6	15.00934	4.39932	1.78815	4.15255	-6.84203	3.01377	-3.88785	-1.22962	-3.73352
81	0	-2	3.1	15.44633	4.69133	2.41775	4.03629	-6.24787	3.10985	-5.07542	-1.03007	-3.63723
82	0	-2	3.6	16.04787	4.67602	2.50429	3.8942	-5.76372	2.99975	-6.53139	-0.93414	-2.78309
83	0	-2	4.1	16.4053	4.80631	2.91146	3.93469	-5.31982	2.95325	-6.60668	-1.24237	-1.88529
84	0	-2	4.6	16.27674	4.99969	3.14241	3.87594	-4.86935	2.9229	-6.44655	-0.95222	-1.98976
85	0	-2	5.1	16.17124	5.08249	3.24708	3.53823	-4.44289	3.08601	-5.66	-0.42703	-1.15592
86	0	-2	5.6	15.19773	5.29481	3.20187	3.50572	-3.8264	3.10443	-5.76871	-0.57593	0.62738
87	0	-2	6.1	14.08288	5.22188	2.9895	3.26775	-3.75252	3.16687	-3.84797	-0.04919	1.81708
88	0	-2	6.6	13.57152	5.15465	2.33319	3.15751	-3.92249	3.51521	-2.23115	1.18225	1.8264
89	0	-2	7.1	13.46135	4.59894	1.37688	3.20042	-4.36441	3.50493	-1.70924	0.74666	2.64987
90	0	-2	7.6	12.96965	4.49294	0.04284	3.38496	-5.42495	3.95201	-1.16881	2.50943	2.1379
91	0	-1.5	7.6	15.02923	4.72262	1.81473	3.33497	-4.80358	3.58772	-0.19939	1.84252	3.54106
92	0	-1.5	7.1	15.29206	5.25389	3.09276	3.10076	-4.26384	3.54738	-1.48211	1.38868	1.58436
93	0	-1.5	6.6	15.48332	5.24814	4.08161	3.24937	-3.94966	3.29792	-2.18617	1.03042	1.17731
94	0	-1.5	6.1	16.15858	5.18476	4.62319	3.31666	-4.04822	3.16262	-3.53761	-0.47581	-0.33094
95	0	-1.5	5.6	17.16914	5.17611	4.61269	3.48256	-4.39512	3.05521	-4.47053	-0.99638	-0.37626
96	0	-1.5	5.1	17.30797	4.67273	4.50122	3.79607	-4.65833	3.06122	-4.10576	-1.0949	-0.47373
97	0	-1.5	4.6	17.07805	4.6429	4.26664	3.95317	-4.9007	2.94455	-3.69822	-1.58408	-2.60634
98	0	-1.5	4.1	16.88651	4.55378	3.83654	4.15757	-5.39738	2.88357	-3.05126	-1.31094	-2.08059
99	0	-1.5	3.6	16.45115	4.44687	3.27529	4.13968	-5.73965	2.85328	-1.6545	-2.25865	-2.85088
100	0	-1.5	3.1	15.53862	4.36117	3.01938	4.23173	-6.16768	2.99041	-0.62849	-1.13363	-4.0833
101	0	-1.5	2.6	14.5487	4.27752	2.65271	4.50317	-6.53482	3.06721	0.48263	-2.59341	-3.81366
102	0	-1.5	2.1	13.54313	4.34697	1.98128	4.51216	-6.42251	3.27792	1.72074	-2.01925	-5.591
103	0	-1.5	1.6	12.41665	4.24812	1.72934	4.30851	-6.64458	3.43085	-0.6327	-1.67212	-5.45815
104	0	-1	1.6	10.45134	4.03633	1.6456	4.28434	-5.25863	3.55697	4.72167	-2.55677	-6.29491
105	0	-1	2.1	10.99781	4.27757	0.67693	4.24899	-5.28302	3.23773	6.62474	-2.83611	-5.34544
106	0	-1	2.6	11.66835	4.25241	1.13786	4.12844	-4.94633	3.2079	6.10626	-2.56066	-5.43255
107	0	-1	3.1	12.98408	4.25995	1.65316	4.22695	-5.07302	3.03713	4.84857	-2.87453	-5.09836
108	0	-1	3.6	14.18481	4.21942	1.9147	4.20808	-4.94326	2.96869	4.42262	-2.24606	-3.43239
109	0	-1	4.1	15.46733	4.23878	2.99185	4.37627	-4.91715	2.77279	4.29814	-2.12568	-3.56448
110	0	-1	4.6	16.4229	4.24512	3.93007	4.16429	-4.63149	2.7904	2.30011	-2.65032	-1.97113
111	0	-1	5.1	17.49883	4.18161	4.29597	4.11164	-4.39081	3.0152	1.0476	-1.98316	-1.43163
112	0	-1	5.6	17.89542	4.41204	4.83826	4.00481	-4.53258	2.89209	-2.00808	-1.51816	-1.24091
113	0	-1	6.1	17.46004	4.78038	5.30858	3.66027	-4.19009	3.04031	-3.14214	-1.13154	1.40554
114	0	-1	6.6	17.17768	4.91114	4.92887	3.29868	-4.15785	3.15563	-1.33663	-0.41353	2.02935
115	0	-1	7.1	16.63131	4.92391	4.39887	3.25778	-4.40145	3.47684	0.02265	1.13093	2.24458
116	0	-1	7.6	16.32915	4.81854	3.28893	3.22382	-4.8415	3.74253	0.72364	2.28016	3.89915

117	0	-0.5	7.6	16.87862	4.73859	4.76718	3.40937	-5.35481	3.37197	2.23869	2.43432	3.86281
118	0	-0.5	7.1	17.17197	4.52249	6.05379	3.30038	-4.6029	3.07761	-0.07929	-0.30185	1.32002
119	0	-0.5	6.6	17.32623	4.38648	6.20567	3.44842	-4.8114	3.13304	-0.80072	-1.20259	0.7007
120	0	-0.5	6.1	16.86615	4.32958	6.11272	3.79012	-4.63747	3.00449	-0.1857	-1.61676	-0.93478
121	0	-0.5	5.6	16.5901	4.31347	5.60909	4.05273	-4.58186	2.91813	1.22433	-1.87803	-1.16846
122	0	-0.5	5.1	15.38465	4.05334	4.71155	4.08422	-4.5641	2.89872	2.56754	-2.80086	-2.40823
123	0	-0.5	4.6	14.29545	4.03099	4.08244	4.15758	-4.4476	3.01479	3.47163	-2.2555	-3.22148
124	0	-0.5	4.1	12.90814	3.78086	3.32024	4.11547	-4.58329	2.80714	4.27219	-1.36767	-3.25676
125	0	-0.5	3.6	11.70538	3.8867	2.47719	3.93374	-4.44966	2.85304	4.06773	-1.74111	-3.65092
126	0	-0.5	3.1	10.55591	3.73874	2.2412	4.11336	-4.55184	3.05807	3.89407	-1.35226	-3.56101
127	0	-0.5	2.6	9.37059	3.59014	1.32156	4.00481	-4.50953	2.91642	3.10704	-0.95914	-3.66586
128	0	-0.5	2.1	8.93261	3.57718	1.16143	4.14106	-4.6791	2.9272	3.14276	-1.50658	-3.85842
129	0	-0.5	1.6	8.1525	3.46882	0.85603	3.91067	-4.31461	3.02171	2.60542	-0.2946	-3.69777
130	0	0	1.6	7.46969	3.1024	0.16864	3.36483	-4.63696	2.92484	0.20052	1.72926	-3.43103
131	0	0	2.1	7.75662	3.00042	-0.47137	3.20168	-4.72616	2.90455	0.59116	1.34757	-3.06069
132	0	0	2.6	8.60766	2.94417	0.01068	3.23124	-4.89992	2.70631	0.68177	1.01104	-2.7763
133	0	0	3.1	9.06653	3.12977	0.79368	3.44496	-4.73377	2.86003	0.57101	0.85746	-3.18715
134	0	0	3.6	9.83506	3.03332	1.02124	3.25343	-4.61837	2.65913	0.94763	0.81359	-2.38815
135	0	0	4.1	11.17733	3.33588	1.96914	3.77688	-4.73333	2.65189	2.52171	-0.3681	-2.42813
136	0	0	4.6	11.96871	3.39665	2.81241	3.72741	-4.54892	2.69175	2.29694	-0.0906	-1.89238
137	0	0	5.1	13.2037	3.40814	3.6446	4.08472	-4.41085	2.78508	3.66824	-1.35438	-1.99272
138	0	0	5.6	14.47701	3.81885	4.90597	3.94794	-4.56756	2.8845	3.17432	-2.30327	-2.23051
139	0	0	6.1	15.70367	3.90261	5.86405	3.94269	-4.6071	2.87318	2.16486	-2.17829	-0.73918
140	0	0	6.6	16.70074	4.04641	6.44378	3.59342	-4.96669	3.15743	0.30677	-1.33057	0.99045
141	0	0	7.1	16.68167	4.29727	6.67318	3.30624	-5.44216	3.06774	1.13932	0.43574	0.7654
142	0	0	7.6	16.68018	4.19758	6.16492	3.26223	-5.88873	3.2393	1.5017	1.59964	2.43497
143	0	0.5	7.6	16.48388	4.06759	7.52606	3.21939	-6.55505	3.20328	1.26306	0.94527	1.11297
144	0	0.5	7.1	15.89416	3.92421	7.84022	3.34173	-6.17414	3.10686	1.11111	-0.39643	0.82171
145	0	0.5	6.6	15.12961	3.79354	7.17148	3.46007	-5.82557	3.10588	1.3476	-0.7606	0.01878
146	0	0.5	6.1	14.12415	3.52787	6.37097	3.80867	-5.25563	2.82367	1.82265	-1.22551	-1.53046
147	0	0.5	5.6	13.17522	3.47332	5.38532	3.84435	-5.12686	2.75988	1.98106	-0.65379	-1.77239
148	0	0.5	5.1	11.88665	3.36548	4.31912	3.70967	-5.00322	2.80062	1.28382	-0.16807	-1.57842
149	0	0.5	4.6	10.93682	3.05732	3.1251	3.45363	-4.93627	2.5943	0.76698	0.53754	-2.69651
150	0	0.5	4.1	10.30617	2.97686	2.2879	3.341	-5.12372	2.62181	-0.74509	0.97574	-2.51113
151	0	0.5	3.6	9.4428	2.85331	1.50421	3.11735	-5.22605	2.56076	-0.40962	1.3805	-2.13803
152	0	0.5	3.1	9.11684	2.85697	1.21426	3.07109	-5.39625	2.57901	-0.75876	1.81332	-2.41326
153	0	0.5	2.6	8.19593	2.85827	0.54396	3.08156	-5.45022	2.72193	-0.48506	2.15469	-2.56695
154	0	0.5	2.1	8.09548	2.93887	0.21698	3.14725	-5.83287	2.72756	-0.75453	2.32769	-2.93498
155	0	0.5	1.6	7.65322	2.88498	0.08038	3.17361	-5.63579	2.98875	-0.97191	2.94168	-3.04405
156	0	1	1.6	7.94029	2.64075	-0.09167	3.18474	-6.89451	2.91804	-1.64405	3.23645	-2.94961
157	0	1	2.1	8.16078	2.82969	-0.6595	3.16723	-7.02922	2.75901	-0.33663	2.03844	-2.20288
158	0	1	2.6	8.58785	2.80389	-0.18042	3.14253	-6.87387	2.81142	-0.0509	2.06602	-2.49056
159	0	1	3.1	8.80408	2.97696	0.37089	3.1799	-6.50091	2.82491	-0.57728	2.48368	-2.94882
160	0	1	3.6	9.55528	3.01738	0.63763	2.9274	-6.45307	2.64131	-0.24019	2.00769	-2.48266
161	0	1	4.1	9.7547	3.18186	1.64171	3.06438	-6.00959	2.64811	-0.32323	1.6804	-2.19449
162	0	1	4.6	10.30256	3.13368	2.85736	3.35196	-5.9746	2.57243	-0.80299	1.07475	-1.8469
163	0	1	5.1	11.30137	3.18904	3.41012	3.44513	-6.00311	2.52876	-0.01041	0.65216	-1.95971
164	0	1	5.6	11.81507	3.29873	4.81761	3.58251	-5.86312	2.7798	1.18549	-0.06342	-1.06899
165	0	1	6.1	12.85217	3.37847	5.98492	3.72572	-6.15111	2.86372	1.01832	-0.29219	-1.25251
166	0	1	6.6	14.07671	3.70271	7.22843	3.5567	-6.44769	2.95998	1.99703	-0.62467	0.06924
167	0	1	7.1	15.26418	3.62217	8.26168	3.27096	-6.95096	3.17384	0.55491	-0.19741	1.60339
168	0	1	7.6	15.78776	3.80771	8.17994	3.15343	-7.36028	3.24731	1.96602	1.24042	1.25037
169	0	1.5	7.6	14.41759	3.98868	8.79815	3.36705	-8.32107	3.06984	2.63056	0.8508	0.51006

170	0	1.5	7.1	14.02448	3.41001	8.73353	2.95597	-7.94383	3.11922	0.83046	0.32269	0.30927
171	0	1.5	6.6	12.96552	3.36504	7.77718	3.34889	-7.5043	3.04986	1.211	-0.46573	-0.06023
172	0	1.5	6.1	11.74487	3.24191	6.6507	3.40179	-6.98423	2.84124	1.62115	-0.51771	-0.86967
173	0	1.5	5.6	11.03466	3.17213	5.30036	3.45087	-6.89732	2.70423	-0.03086	0.03457	-1.63427
174	0	1.5	5.1	10.50268	3.17306	4.23291	3.25685	-6.89501	2.65998	0.2532	0.75296	-2.08459
175	0	1.5	4.6	9.7685	3.01603	3.33256	3.06467	-6.62397	2.54555	-0.97208	1.36423	-2.29539
176	0	1.5	4.1	9.37027	3.05861	2.43324	3.11225	-6.7228	2.44245	-0.84911	1.88661	-2.30302
177	0	1.5	3.6	8.94865	3.0183	1.62617	3.06392	-7.06169	2.77163	-0.30598	1.8276	-2.84589
178	0	1.5	3.1	8.82062	2.93197	1.36689	3.18371	-7.24543	2.74625	-0.67643	2.27005	-2.91538
179	0	1.5	2.6	8.39269	3.06132	0.57562	3.28453	-7.57411	2.85402	-0.6255	2.28113	-2.95854
180	0	1.5	2.1	8.04438	2.98334	0.32341	3.32455	-7.62161	2.84447	-0.51518	2.44419	-2.87767
181	0	1.5	1.6	8.05358	2.87151	0.08324	3.10568	-7.61813	3.03959	-0.50129	2.74441	-2.93473
182	0	2	1.6	7.87453	2.79149	-0.09823	3.14908	-8.7119	2.94147	-0.00161	2.59324	-3.02377
183	0	2	2.1	7.48503	3.06662	-0.93642	3.09378	-8.74141	2.82362	0.71771	1.19707	-3.06483
184	0	2	2.6	7.57971	2.97838	-0.25939	3.20117	-8.63645	2.68127	0.8577	1.81269	-2.37658
185	0	2	3.1	7.98321	3.25137	0.68803	3.31873	-8.30313	2.73859	0.34221	2.12845	-2.71403
186	0	2	3.6	8.579	3.0937	0.51394	3.2788	-8.3814	2.61396	0.16478	1.35045	-2.42358
187	0	2	4.1	8.65571	3.18836	1.83578	3.2866	-8.03252	2.51003	-0.63239	1.32644	-1.94599
188	0	2	4.6	9.1523	3.23873	2.63532	3.1662	-7.89967	2.56947	-0.93646	1.79557	-2.05201
189	0	2	5.1	9.5084	3.21353	3.7639	3.23334	-7.8287	2.70164	-1.06842	0.66462	-2.02983
190	0	2	5.6	10.24153	3.14509	4.99049	3.40082	-7.85223	2.62089	-0.06583	0.42379	-0.60146
191	0	2	6.1	10.83364	3.24322	6.72913	3.48931	-8.10408	2.92645	0.5223	-0.44135	-0.55504
192	0	2	6.6	12.05321	3.38637	7.87526	3.23248	-8.3985	2.89356	1.13033	0.42597	-0.46276
193	0	2	7.1	13.1288	3.42266	8.97588	3.07802	-8.92438	2.98464	0.96719	0.37567	0.07542
194	0	2	7.6	13.24719	4.09214	8.98929	3.5158	-9.15899	3.07441	2.3448	0.53335	1.3217
195	0	2.5	7.6	12.09193	4.35218	9.20659	3.78044	-9.36847	2.93719	3.59752	0.04988	0.48953
196	0	2.5	7.1	12.55119	3.12613	9.02521	3.04229	-9.69341	3.0594	1.1173	0.05005	0.27397
197	0	2.5	6.6	11.82074	3.16769	8.20299	3.15916	-9.51465	3.00951	1.29252	0.05537	-0.62263
198	0	2.5	6.1	10.54981	2.89494	6.99104	3.16772	-9.29873	2.87557	-0.14798	-0.17886	-0.92785
199	0	2.5	5.6	9.66569	3.04492	5.69608	3.09998	-9.00445	2.85073	-0.48784	0.17055	-1.07102
200	0	2.5	5.1	8.97998	2.97433	4.63137	3.10057	-8.89045	2.77241	-0.51879	0.50322	-1.2873
201	0	2.5	4.6	8.72563	2.96783	3.2641	3.03522	-8.85135	2.65297	-0.68619	1.01164	-2.01136
202	0	2.5	4.1	8.16108	3.16816	2.4247	3.11138	-8.8657	2.77115	-1.09248	1.90673	-2.57546
203	0	2.5	3.6	7.69539	3.04373	1.77193	3.23579	-9.06383	2.85483	-0.70982	1.861	-2.71185
204	0	2.5	3.1	7.51705	3.13496	1.51518	3.20623	-9.15223	2.87388	-0.61068	2.84137	-2.54234
205	0	2.5	2.6	7.20105	3.16135	0.69297	3.28548	-9.35337	2.8044	-0.59347	2.7057	-2.88858
206	0	2.5	2.1	6.86467	3.12757	0.19816	3.33353	-9.30731	2.81527	-0.21453	2.34123	-2.5763
207	0	2.5	1.6	7.12905	3.0391	-0.17108	3.1191	-9.43045	2.92676	0.06279	2.1067	-3.22583
208	0	3	1.6	6.40863	3.02235	-0.11557	3.12892	-10.26206	2.8402	0.75575	1.90904	-2.51034
209	0	3	2.1	6.32177	2.82661	-0.82303	2.96436	-10.61418	2.68096	-0.0104	1.33255	-1.90392
210	0	3	2.6	6.48321	2.76141	-1.05581	3.01633	-10.53487	2.61296	0.37406	1.83999	-1.93338
211	0	3	3.1	6.51505	2.88596	-0.35934	3.22359	-10.36352	2.76928	0.33473	1.62367	-1.90589
212	0	3	3.6	6.91929	2.78235	-0.00801	3.22755	-10.2757	2.71032	0.7864	1.59189	-1.80587
213	0	3	4.1	7.27354	2.66048	1.25888	3.39647	-10.23063	2.65077	-0.24959	1.77635	-1.22003
214	0	3	4.6	7.87756	2.99359	2.2727	3.40743	-10.38309	2.6455	-0.09367	1.478	-1.40742
215	0	3	5.1	8.59118	2.88442	3.45277	3.50742	-10.18679	2.60115	0.01273	0.30758	-1.237
216	0	3	5.6	9.31402	3.02933	4.68901	3.47931	-10.12448	2.76535	-0.77974	0.45831	-1.38543
217	0	3	6.1	10.09851	2.94116	6.19081	3.29511	-10.26243	2.75178	-0.46367	-0.07613	-0.46355
218	0	3	6.6	11.103	2.96546	7.48437	3.19224	-10.27534	2.77349	0.0817	0.25804	0.07607
219	0	3	7.1	11.61591	3.53246	8.25596	3.5497	-9.99581	2.89809	1.74374	-0.12932	0.57706
220	0	3	7.6	11.01727	4.54773	8.48074	4.04264	-9.28904	2.72457	4.42722	-0.69146	-2.19246

Data Spread Sheet File for WindStar Duct Test.
Settings: Fan Output, 14 volts, With fresh air duct, processed data.

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
0	0	-5	1.6	-0.80681	4.63051	2.33719	4.00587	-0.09046	5.87156	-5.01574	6.89013	-10.48707
1	0	-5	2.1	2.34638	5.42836	1.08023	4.78604	-2.12145	5.76915	-10.25766	9.82409	-15.95266
2	0	-5	2.6	3.21455	5.37167	1.45354	4.60628	-2.66945	5.8568	-9.48619	10.43322	-16.01558
3	0	-5	3.1	4.16816	5.46793	1.53601	4.66704	-2.81548	5.72002	-7.32279	9.26204	-15.18117
4	0	-5	3.6	4.91014	5.68545	1.6829	4.6272	-3.21001	6.10809	-7.84428	10.63833	-16.11394
5	0	-5	4.1	5.327	5.5458	1.86348	4.54801	-3.46277	6.07671	-7.05098	10.08745	-15.55014
6	0	-5	4.6	6.07022	5.44126	1.85872	4.47165	-4.3055	6.15117	-8.55385	10.24184	-16.34515
7	0	-5	5.1	6.69782	5.60375	1.96038	4.44445	-4.97926	6.18655	-9.56699	10.94735	-15.48247
8	0	-5	5.6	7.15051	5.46087	2.06994	4.52576	-5.79115	5.70443	-10.02633	11.21643	-14.65493
9	0	-5	6.1	7.9004	5.53372	1.96926	4.75771	-6.36958	5.3533	-9.89666	9.92563	-11.91256
10	0	-5	6.6	9.11997	5.02323	1.15993	5.09996	-7.12307	4.74457	-8.35275	10.04185	-8.45488
11	0	-5	7.1	10.30148	5.15681	0.75183	5.15415	-7.14975	4.24016	-5.24681	9.06253	-7.13453
12	0	-5	7.6	11.53084	5.37481	-0.39362	5.50384	-6.41967	3.60731	-2.89896	6.79135	-6.76534
13	0	-4.5	7.6	12.11036	4.7578	-1.43364	4.92814	-6.96769	3.14054	0.94999	3.03358	-1.57014
14	0	-4.5	7.1	11.3148	3.8474	2.06612	5.2031	-6.87339	3.1734	-1.85319	3.38614	-2.18818
15	0	-4.5	6.6	10.20578	4.13288	1.90028	5.64287	-7.30849	3.7631	-3.52371	4.89594	-3.90546
16	0	-4.5	6.1	9.85245	4.35921	1.63136	5.00471	-7.39163	3.84589	-5.32864	4.46565	-4.89444
17	0	-4.5	5.6	9.21225	4.61173	2.44089	4.79397	-7.09043	4.28569	-6.83402	4.93214	-6.49658
18	0	-4.5	5.1	8.19924	4.91233	2.6219	4.56499	-6.06545	4.6538	-8.6422	6.20781	-8.69324
19	0	-4.5	4.6	9.03058	3.81025	2.82833	3.98844	-6.33723	4.52499	-3.04474	5.07671	-5.71246
20	0	-4.5	4.1	8.61589	3.76995	2.70521	3.88272	-6.10166	4.53804	-2.19492	4.39153	-4.74247
21	0	-4.5	3.6	7.55164	4.45054	2.7065	4.26337	-5.43351	4.64409	-2.69379	4.52847	-8.0043
22	0	-4.5	3.1	6.16823	4.95395	2.32802	4.51795	-5.49148	4.99854	-5.19285	6.35321	-12.15821
23	0	-4.5	2.6	6.11562	4.802	2.15991	4.1241	-4.88176	5.07888	-5.18492	5.8874	-11.58912
24	0	-4.5	2.1	5.57671	4.69869	1.68751	4.48925	-5.1317	4.80293	-4.07159	5.2553	-9.58063
25	0	-4.5	1.6	4.80758	4.76789	1.38934	4.30532	-4.76491	4.77261	-4.74509	5.30203	-9.61164
26	0	-4	1.6	6.28315	4.46411	1.51396	4.54225	-5.82532	4.13439	-5.44184	3.27891	-6.99165
27	0	-4	2.1	5.86719	4.70343	1.76077	4.74136	-5.89674	4.43412	-7.49403	2.39482	-7.45144
28	0	-4	2.6	6.85412	4.68189	2.40438	4.74335	-6.43433	4.31935	-6.20547	3.35053	-7.51919
29	0	-4	3.1	7.40399	4.2586	2.50954	4.28656	-6.56137	4.16121	-4.28344	3.19973	-6.54144
30	0	-4	3.6	8.17924	4.10326	2.87889	4.15728	-6.3807	4.28671	-5.40113	3.11126	-6.07775
31	0	-4	4.1	8.63077	4.16435	3.22256	4.28814	-6.43804	4.38762	-4.88208	1.21275	-5.04362
32	0	-4	4.6	9.1961	4.17863	3.25141	3.85911	-6.94751	4.03174	-5.08663	1.31155	-3.89902
33	0	-4	5.1	9.81058	3.7649	2.92817	3.96934	-7.27535	3.73362	-2.57335	0.44118	-2.7688
34	0	-4	5.6	10.20312	3.46228	3.13048	4.36446	-7.36526	3.55262	-2.95107	0.58634	-2.55795
35	0	-4	6.1	10.60602	3.55822	2.41288	4.23175	-7.33197	3.62036	-0.67129	-0.40066	-1.00152
36	0	-4	6.6	10.93111	3.58045	1.12098	4.51962	-7.13633	3.57863	0.00562	1.52224	-0.99867
37	0	-4	7.1	11.70001	3.65896	0.22278	4.25235	-7.13157	3.52349	-0.31552	2.10707	-1.19927
38	0	-4	7.6	12.47075	4.31702	-1.77224	4.44346	-6.6367	3.40829	-2.16091	2.27444	-1.34543
39	0	-3.5	7.6	12.94435	3.79213	-1.82769	3.76006	-5.68283	3.79634	-0.12847	3.13605	0.12781
40	0	-3.5	7.1	12.18892	3.37205	0.52778	3.50419	-5.47021	3.67629	-1.02752	2.27731	-0.76137
41	0	-3.5	6.6	11.57913	3.46198	1.79921	3.53323	-5.44825	3.40406	-0.83945	0.59704	-1.06858
42	0	-3.5	6.1	11.3749	3.42646	2.80343	3.41794	-5.86005	3.33464	-0.97385	-0.6386	-1.37627

43	0	-3.5	5.6	11.04742	3.39114	3.19283	3.88702	-5.99417	3.4893	-2.40032	-2.66008	-0.35428
44	0	-3.5	5.1	10.6198	3.48832	3.44659	3.87474	-6.11591	3.44831	-3.67187	-1.19188	-1.2122
45	0	-3.5	4.6	10.57655	3.62856	3.48774	3.89337	-6.10302	3.81972	-4.53441	-0.80537	-1.96981
46	0	-3.5	4.1	10.30432	3.81941	3.35824	3.97784	-6.38778	3.49554	-4.53384	-0.54893	-1.18458
47	0	-3.5	3.6	9.91855	3.88097	3.06868	4.18239	-6.67962	3.74335	-5.67994	-0.0356	-1.93472
48	0	-3.5	3.1	9.51723	3.93412	2.74579	4.22009	-6.25479	3.82218	-5.32106	1.06532	-1.97338
49	0	-3.5	2.6	8.85782	4.3478	2.55323	4.40294	-6.21311	3.67733	-6.98362	1.43779	-3.02883
50	0	-3.5	2.1	8.53351	4.41263	2.2279	4.28837	-6.79469	3.82529	-7.64403	2.2825	-4.18182
51	0	-3.5	1.6	8.57224	4.32261	1.19498	4.63873	-6.99172	3.62446	-7.88604	1.54891	-4.26931
52	0	-3	1.6	10.3966	4.5021	1.52956	4.58339	-7.19886	3.50619	-8.88842	0.70674	-3.81102
53	0	-3	2.1	10.79632	4.92968	1.58429	4.58917	-7.1592	3.40481	-9.9018	0.34947	-4.59115
54	0	-3	2.6	11.12758	5.06377	2.07516	4.4678	-6.79601	3.58978	-10.0833	-0.11265	-3.51806
55	0	-3	3.1	11.46424	4.94898	2.49048	4.44412	-6.58472	3.47927	-10.35111	-0.3148	-2.73971
56	0	-3	3.6	11.78815	4.5756	2.82977	4.10997	-6.27266	3.44381	-7.50803	-0.38641	-2.21825
57	0	-3	4.1	12.29747	4.68813	3.1935	4.2346	-5.85572	3.5777	-8.26458	-1.7883	-0.94862
58	0	-3	4.6	12.337	4.69543	3.22518	4.0423	-5.67215	3.27093	-8.44284	-1.47453	-0.00502
59	0	-3	5.1	12.50417	4.53593	3.04469	3.8769	-5.07384	3.40411	-6.60582	-2.63469	0.85976
60	0	-3	5.6	12.50126	4.25129	2.93572	3.69331	-4.84495	3.4355	-4.99331	-1.56169	0.1043
61	0	-3	6.1	12.488	4.26038	2.70614	3.56025	-4.61844	3.59179	-3.74049	-0.97986	0.68936
62	0	-3	6.6	12.64505	3.93159	1.83656	3.51869	-4.56337	3.58487	-2.65816	-0.02187	0.24397
63	0	-3	7.1	12.93804	3.89603	0.47933	3.52407	-4.80526	3.79389	-1.01247	2.66813	-0.47446
64	0	-3	7.6	14.07205	4.02004	-1.56665	3.5338	-5.41657	3.90989	-0.67893	3.22973	0.56009
65	0	-2.5	7.6	15.26149	4.31881	-0.3242	3.5104	-5.15825	3.94207	-0.51935	3.47534	1.02761
66	0	-2.5	7.1	15.10473	4.42346	1.56917	3.55002	-4.09319	3.73838	-2.70105	1.61109	1.01856
67	0	-2.5	6.6	14.42213	4.8709	2.56397	3.32488	-4.04246	3.51825	-4.10107	0.23451	0.7407
68	0	-2.5	6.1	14.46302	4.66949	3.63835	3.53051	-4.08868	3.37185	-5.15827	-0.94084	0.65922
69	0	-2.5	5.6	14.64274	4.77427	3.78102	3.59071	-4.33632	3.11467	-5.91357	-0.58684	-0.08479
70	0	-2.5	5.1	14.94454	5.07815	4.07848	3.64581	-4.73393	3.1118	-7.4981	-0.98692	-1.39416
71	0	-2.5	4.6	14.95402	5.00565	3.8926	3.89402	-5.39445	3.0879	-8.32336	-1.67602	-0.60666
72	0	-2.5	4.1	14.83984	5.08703	3.657	4.03209	-5.87736	3.23681	-9.02364	-1.81132	-0.79554
73	0	-2.5	3.6	14.61106	5.01823	3.00554	4.16185	-6.28051	3.23073	-8.60797	-0.48972	-2.08361
74	0	-2.5	3.1	13.85086	4.95677	2.96582	4.15174	-6.51051	3.23146	-8.13697	-1.44371	-2.11625
75	0	-2.5	2.6	14.11122	4.77025	2.36592	4.34203	-7.34436	3.29239	-8.59962	-0.65532	-3.23554
76	0	-2.5	2.1	13.16804	4.84046	1.66807	4.6347	-7.238	3.35898	-9.31013	-1.0649	-2.86215
77	0	-2.5	1.6	12.74953	4.53337	1.2772	4.6741	-7.60457	3.27363	-7.88144	-1.41384	-2.57704
78	0	-2	1.6	13.5137	4.32677	1.22006	4.69807	-7.32492	3.47402	-3.72618	-2.18034	-4.26417
79	0	-2	2.1	14.76886	4.49917	1.40879	4.49634	-7.40322	3.25859	-3.76974	-1.96072	-4.1126
80	0	-2	2.6	15.65445	4.61461	1.82023	4.7012	-7.19783	3.39722	-3.80311	-2.807	-4.48467
81	0	-2	3.1	16.36165	4.69773	2.70222	4.46171	-6.9819	3.07119	-5.90773	-1.87165	-2.17658
82	0	-2	3.6	17.3291	4.66843	2.89895	4.36323	-6.43445	3.03827	-5.43613	-2.28504	-1.65046
83	0	-2	4.1	17.68329	5.03673	3.50221	4.23381	-5.75977	3.09442	-6.09693	-1.66449	-1.74893
84	0	-2	4.6	17.97571	5.28806	4.22055	4.0339	-5.39529	3.02775	-8.10748	-1.64653	-1.70083
85	0	-2	5.1	18.04009	5.21513	3.81435	4.04261	-4.7648	3.09509	-7.82484	-1.986	0.20443
86	0	-2	5.6	17.36231	5.22096	4.60525	3.86233	-4.39261	3.25347	-7.49244	-0.85764	0.31372
87	0	-2	6.1	17.34373	5.4372	3.97067	3.68835	-3.93066	3.2328	-5.62638	-0.81613	1.00121
88	0	-2	6.6	17.00509	5.33362	3.36319	3.47	-3.83728	3.61388	-4.94491	-0.00647	1.6147
89	0	-2	7.1	16.76527	4.91889	2.52175	3.53508	-4.16636	3.7137	-1.80911	1.08809	1.90983
90	0	-2	7.6	17.0731	4.80208	1.11324	3.44372	-4.49071	3.82014	-1.50028	1.84693	2.59115
91	0	-1.5	7.6	18.56137	4.8354	2.60785	3.42984	-4.75873	3.8759	0.52876	1.96286	3.31399
92	0	-1.5	7.1	18.63336	5.10794	3.99166	3.41252	-4.21632	3.49963	-1.05934	0.86942	3.13395
93	0	-1.5	6.6	18.82649	5.00714	4.73526	3.66619	-4.07862	3.26624	-3.02045	-0.9459	1.69545
94	0	-1.5	6.1	19.44328	4.83376	5.31057	3.84862	-4.02908	2.9929	-4.001	-1.63786	1.33531
95	0	-1.5	5.6	18.9295	4.67404	4.86052	3.95001	-4.33704	3.02993	-3.25031	-1.29417	-0.91768

96	0	-1.5	5.1	18.82795	4.37563	4.63752	4.23	-4.63805	3.05208	-2.588	-1.63569	-1.68076
97	0	-1.5	4.6	17.92364	4.26912	4.24991	4.33118	-4.84879	2.94888	-0.19294	-1.91574	-2.03713
98	0	-1.5	4.1	17.4917	4.45941	3.78429	4.32459	-5.48562	2.99431	-0.31189	-1.76449	-2.58414
99	0	-1.5	3.6	16.67404	4.47165	3.15641	4.54429	-5.80454	3.12218	1.11662	-1.66063	-3.7955
100	0	-1.5	3.1	15.24314	4.3578	2.58263	4.26097	-5.95843	2.98982	2.39137	-1.40315	-3.65841
101	0	-1.5	2.6	14.22175	4.23215	2.13969	4.4922	-6.29953	3.27127	1.4106	-2.15533	-4.41469
102	0	-1.5	2.1	13.10917	4.26375	1.55722	4.68113	-6.47493	3.39493	2.46828	-3.40501	-5.71425
103	0	-1.5	1.6	12.21571	4.44249	1.34252	4.48796	-6.2906	3.48865	3.75959	-3.09946	-6.67877
104	0	-1	1.6	9.98076	3.83904	0.94466	4.12718	-4.94777	3.28287	3.37208	-1.14122	-4.5594
105	0	-1	2.1	10.98196	3.93721	0.64119	4.52708	-5.45158	3.19016	5.39154	-2.43533	-4.73797
106	0	-1	2.6	11.72566	4.16417	1.24646	4.39563	-5.26433	3.16804	5.96257	-1.94057	-5.67842
107	0	-1	3.1	13.13607	4.19038	1.48194	4.11775	-5.26825	3.0998	4.86176	-1.44774	-4.63007
108	0	-1	3.6	14.06827	4.3753	2.20361	4.20406	-5.11943	3.01202	4.6044	-1.7852	-4.31344
109	0	-1	4.1	14.98462	4.36117	2.64903	4.16925	-4.71845	2.95538	4.77033	-1.85918	-4.05221
110	0	-1	4.6	16.56469	4.2339	3.75734	4.33074	-4.87671	2.95301	3.9892	-2.53936	-2.80656
111	0	-1	5.1	17.51707	4.31721	4.28165	4.44233	-4.65683	2.95304	2.12541	-2.33433	-2.21177
112	0	-1	5.6	18.19493	4.36249	4.62685	4.36736	-4.36369	3.05718	1.42931	-2.48146	-2.04393
113	0	-1	6.1	19.30423	4.23815	5.38303	4.09228	-4.29605	3.11159	0.44272	-1.96743	-0.21928
114	0	-1	6.6	19.7037	4.72282	5.61709	3.74671	-4.27899	3.27652	-0.90347	-1.86884	1.45352
115	0	-1	7.1	19.43409	4.80466	5.37917	3.54358	-4.56639	3.23351	-1.04209	-0.81354	1.47114
116	0	-1	7.6	19.07579	4.71171	4.12611	3.32708	-5.06931	3.48092	0.07698	1.50403	2.98175
117	0	-0.5	7.6	19.54709	4.44615	6.00235	3.05463	-5.57465	3.35304	1.27374	1.48225	1.73097
118	0	-0.5	7.1	19.27666	4.24111	6.5678	3.43295	-5.10554	3.33091	0.78434	-0.62413	0.59158
119	0	-0.5	6.6	18.72651	4.13706	6.16283	3.77084	-4.51396	3.17288	0.68044	-0.83403	-0.03823
120	0	-0.5	6.1	17.50985	3.90606	5.8844	4.01663	-4.30668	3.04095	1.63405	-1.29602	-1.0295
121	0	-0.5	5.6	16.6023	4.02146	5.00448	4.29988	-4.40545	2.84636	3.25369	-1.67311	-1.53258
122	0	-0.5	5.1	15.21271	3.82209	4.08053	4.1417	-4.40151	2.84816	4.10854	-1.57627	-2.24594
123	0	-0.5	4.6	13.84129	3.83774	3.42268	4.13051	-4.49674	2.78527	3.95507	-0.68373	-2.70743
124	0	-0.5	4.1	12.62957	3.67077	2.59975	3.94168	-4.50564	2.79297	2.70785	-0.97318	-2.89273
125	0	-0.5	3.6	11.67266	3.53749	2.02278	3.96228	-4.76667	2.83177	1.99814	0.02663	-3.34017
126	0	-0.5	3.1	10.75143	3.59833	1.59927	3.74439	-4.6629	2.76675	2.73033	0.91267	-2.44073
127	0	-0.5	2.6	9.92284	3.49183	0.84986	3.75177	-4.89354	3.08949	1.24243	1.27338	-3.37837
128	0	-0.5	2.1	9.40255	3.4539	0.99484	4.03467	-5.07886	2.95113	1.66329	-0.0921	-3.61655
129	0	-0.5	1.6	8.71321	3.3489	0.42085	3.66322	-4.92778	3.22703	0.98565	0.78045	-3.47681
130	0	0	1.6	8.56241	2.97736	0.29085	3.6007	-5.69378	3.11836	-0.84408	3.09655	-3.01658
131	0	0	2.1	8.85605	3.16956	-0.23664	3.34923	-5.91277	2.9924	-0.39724	2.48848	-3.15053
132	0	0	2.6	9.51957	3.24175	0.25214	3.52565	-5.84484	2.85023	-0.95647	2.20264	-3.40274
133	0	0	3.1	10.34349	3.24936	0.63057	3.40653	-5.64203	2.74275	-0.38296	1.43049	-3.02564
134	0	0	3.6	10.69373	3.24392	1.10102	3.38306	-5.17945	2.86858	0.23803	1.83187	-3.36497
135	0	0	4.1	11.65982	3.38261	1.66953	3.45322	-5.25143	2.73705	0.94359	1.363	-2.37821
136	0	0	4.6	12.39616	3.38069	2.57032	3.62366	-4.89334	2.72232	0.81304	0.78647	-2.25648
137	0	0	5.1	13.34847	3.59805	3.09135	3.97047	-4.76232	2.72911	2.25112	0.21478	-2.75458
138	0	0	5.6	14.47662	3.73916	4.44478	3.99461	-4.81516	2.86829	3.10232	0.26942	-2.16736
139	0	0	6.1	15.79059	3.85875	5.58771	4.14447	-4.93958	2.9469	2.86277	-0.90431	-1.9669
140	0	0	6.6	17.22434	3.853	6.64474	3.95424	-5.10061	3.11942	2.51274	-0.91072	-0.23058
141	0	0	7.1	18.29209	4.03002	7.07813	3.5379	-5.61843	3.40738	1.9945	-0.63059	0.46837
142	0	0	7.6	18.857	4.13448	7.11936	3.30991	-6.37477	3.10007	1.1119	0.31209	1.43029
143	0	0.5	7.6	18.2996	3.74861	8.19404	3.23612	-7.22223	3.2439	1.41852	0.64953	0.85673
144	0	0.5	7.1	17.04029	3.85824	8.21186	3.39517	-6.63977	3.13079	1.70424	-0.77978	-0.1881
145	0	0.5	6.6	15.81014	3.68391	7.12797	3.7676	-6.15551	3.00645	2.70235	-1.10339	-1.28404
146	0	0.5	6.1	14.34665	3.51091	5.62209	3.86171	-5.67675	2.7464	1.553	-0.04345	-1.07147
147	0	0.5	5.6	13.12159	3.31044	4.41439	3.49742	-5.51936	2.73885	1.05684	0.46358	-1.10505
148	0	0.5	5.1	12.4044	3.38493	3.65786	3.42002	-5.66538	2.70791	-0.29961	0.9216	-2.53907

149	0	0.5	4.6	11.47852	3.18235	2.84956	3.41816	-5.51267	2.69394	-0.68913	1.57943	-2.52848
150	0	0.5	4.1	10.99153	3.27446	1.99081	3.06596	-6.10655	2.73522	-0.51169	1.8904	-2.76329
151	0	0.5	3.6	10.61782	3.22172	1.46709	3.30316	-6.24921	2.78571	-1.69189	2.45477	-3.33419
152	0	0.5	3.1	9.86067	3.21204	1.18636	3.32189	-6.17765	2.87525	-1.30096	2.5585	-3.27805
153	0	0.5	2.6	9.57198	3.25445	0.65444	3.25584	-6.65737	2.95641	-1.68097	2.25685	-3.48228
154	0	0.5	2.1	9.41626	3.17571	0.19584	3.2138	-6.92231	2.93087	-0.90092	2.74448	-3.6991
155	0	0.5	1.6	8.89738	2.97739	0.04861	3.38444	-6.85182	3.12825	-1.18194	3.18522	-3.04361
156	0	1	1.6	9.13577	3.19698	-0.24786	3.39046	-8.03796	3.15233	-1.09199	2.64246	-3.6365
157	0	1	2.1	9.44636	3.20939	-0.45436	3.43891	-8.12443	2.99483	-0.29992	2.2858	-3.32875
158	0	1	2.6	9.76703	3.23951	0.26618	3.41028	-7.93083	3.03037	0.07572	2.17414	-3.55631
159	0	1	3.1	9.84167	3.26675	0.7862	3.22401	-7.57006	2.95926	-1.12616	2.20929	-3.1067
160	0	1	3.6	10.16282	3.44452	1.2996	3.1535	-7.24799	2.79071	-0.80342	2.1256	-3.16781
161	0	1	4.1	11.05079	3.43214	1.89854	3.32159	-7.14015	2.85269	-1.77365	2.19213	-2.85912
162	0	1	4.6	11.40231	3.32097	2.67376	3.22784	-7.08229	2.59395	-0.79345	1.4328	-2.22117
163	0	1	5.1	11.96291	3.31008	3.58653	3.23551	-6.61911	2.68469	-0.36933	1.26642	-1.72426
164	0	1	5.6	12.66065	3.34778	4.52564	3.32457	-6.64386	2.71289	-0.05328	0.37729	-1.3346
165	0	1	6.1	13.43878	3.51134	6.12729	3.79728	-6.97233	2.99447	1.24885	-0.89484	-1.15501
166	0	1	6.6	14.58891	3.6757	7.56427	3.63347	-7.44044	3.02021	1.79616	-0.86545	-0.78143
167	0	1	7.1	16.04227	3.83487	8.81591	3.55083	-7.92854	3.11846	2.01197	-0.15735	0.46253
168	0	1	7.6	17.16582	3.83013	9.03562	3.44086	-8.40418	3.36862	1.78121	0.45836	0.96796
169	0	1.5	7.6	15.82856	3.9932	9.59235	3.47633	-9.42668	3.09402	3.66951	1.25515	0.98529
170	0	1.5	7.1	14.97667	3.53019	9.21488	3.22797	-9.16663	3.05946	1.89425	-0.17839	0.26138
171	0	1.5	6.6	13.94351	3.56756	8.22153	3.3915	-8.26151	3.1284	1.42851	-0.17018	-0.5678
172	0	1.5	6.1	12.49453	3.53016	6.67438	3.5316	-8.02697	2.99059	1.30499	-0.74755	-1.77993
173	0	1.5	5.6	11.70192	3.23831	5.2083	3.18436	-7.70196	2.83967	-0.63087	0.34671	-1.67959
174	0	1.5	5.1	11.25548	3.53371	4.23351	3.08435	-7.58338	2.70666	-0.27799	0.33671	-2.58843
175	0	1.5	4.6	10.62767	3.49104	3.36867	3.17014	-7.81649	2.65908	-0.90394	1.26724	-2.67501
176	0	1.5	4.1	10.55009	3.27725	2.4791	3.16251	-7.99566	2.73733	-0.84282	1.80211	-2.4767
177	0	1.5	3.6	10.08703	3.43808	1.81051	3.3583	-8.36901	2.83275	-0.74562	2.0724	-3.06921
178	0	1.5	3.1	9.60781	3.21983	1.30416	3.27157	-8.28681	2.95906	-0.25454	2.0003	-3.20368
179	0	1.5	2.6	9.70033	3.30877	0.66476	3.52587	-8.69987	2.84614	-0.93308	2.61114	-3.35088
180	0	1.5	2.1	9.28623	3.24333	0.17752	3.46394	-8.81176	2.98942	-0.64707	2.94902	-2.98881
181	0	1.5	1.6	8.99379	2.96921	-0.23556	3.37552	-9.01253	3.12112	-0.66527	2.831	-3.14102
182	0	2	1.6	8.42797	3.17386	0.00156	3.29514	-9.49728	3.02785	-0.35409	2.23813	-2.85238
183	0	2	2.1	8.41323	3.41937	-0.28679	3.54366	-9.93699	3.05014	0.30737	2.19363	-3.07746
184	0	2	2.6	8.68934	3.31177	0.37248	3.55565	-9.7069	2.97065	-0.05714	2.26513	-2.79403
185	0	2	3.1	8.72213	3.48263	0.96752	3.51171	-9.47504	2.91963	-0.17516	2.51074	-2.87532
186	0	2	3.6	9.15313	3.64044	1.16715	3.36703	-9.34831	2.93002	-0.34275	2.01452	-3.03738
187	0	2	4.1	9.58482	3.43553	2.34717	3.45314	-9.1547	2.87093	-1.14532	1.46079	-3.02982
188	0	2	4.6	9.79724	3.45367	3.38429	3.18668	-8.86071	2.81917	-0.25486	1.08137	-1.97581
189	0	2	5.1	10.15892	3.34009	4.24161	3.23883	-9.07162	2.81021	-0.7976	0.79844	-1.7608
190	0	2	5.6	11.24395	3.38685	5.46951	3.27231	-9.32049	2.92646	-0.51693	0.44217	-1.60245
191	0	2	6.1	11.92453	3.39138	7.06247	3.23572	-9.52367	2.9214	-0.06099	-0.88859	-0.26271
192	0	2	6.6	13.26437	3.58852	8.82223	3.41133	-10.0225	3.00126	0.91234	-0.37325	-0.22893
193	0	2	7.1	14.34564	3.58739	9.93867	3.30149	-10.32317	3.05272	1.34334	-0.56429	-0.14507
194	0	2	7.6	14.33325	4.33863	9.96855	3.90649	-10.0973	3.09666	3.58394	0.2472	0.92358
195	0	2.5	7.6	12.55571	5.19055	9.63322	4.3203	-10.47298	2.90076	5.90452	-0.50368	-1.23496
196	0	2.5	7.1	13.54925	3.55402	9.89296	3.33413	-11.18112	2.76306	1.58453	0.42767	0.50981
197	0	2.5	6.6	12.53591	3.35725	9.0002	3.26698	-11.07358	2.95174	1.46556	-0.41718	-0.20293
198	0	2.5	6.1	11.62579	3.18574	7.68743	3.24716	-10.95424	2.81493	-0.01822	-0.2944	-0.73522
199	0	2.5	5.6	10.79755	3.23164	6.23417	3.18895	-10.57943	2.75983	-0.39928	-0.3808	-1.5509
200	0	2.5	5.1	10.15909	3.16467	5.04355	3.24285	-10.38631	2.7092	-0.82089	0.0406	-1.35256
201	0	2.5	4.6	9.61374	3.12994	3.83876	3.2151	-10.36035	2.86167	-0.59284	1.35432	-1.26651

202	0	2.5	4.1	9.15482	3.43067	3.2016	3.41803	-10.25828	2.88137	-0.17244	2.10793	-2.16043
203	0	2.5	3.6	8.71765	3.23518	2.42026	3.42826	-10.48943	2.76678	-0.94349	1.84928	-2.34656
204	0	2.5	3.1	8.52639	3.12644	1.67406	3.28678	-10.6126	2.81608	-0.83188	2.47052	-2.34444
205	0	2.5	2.6	8.08705	3.30655	1.03874	3.47178	-10.535	2.88498	-0.16965	2.64493	-2.44376
206	0	2.5	2.1	7.98545	3.22141	0.52984	3.41678	-10.54258	3.00546	0.01906	2.51497	-2.28616
207	0	2.5	1.6	7.96527	3.21331	0.01476	3.48545	-10.51423	3.02114	-0.53806	2.79234	-2.24634
208	0	3	1.6	7.39513	3.02878	0.22956	3.38191	-11.70269	2.86531	-0.26233	2.78514	-1.91333
209	0	3	2.1	7.03304	3.20351	0.23449	3.49486	-11.80102	2.88254	-0.41878	2.72669	-2.28532
210	0	3	2.6	7.30151	3.21226	0.93473	3.43553	-12.02945	2.7639	-0.19719	1.95151	-2.10927
211	0	3	3.1	7.36033	3.10361	1.38583	3.39854	-11.95935	2.67683	-0.40155	2.49292	-1.63229
212	0	3	3.6	7.73863	3.19649	2.08927	3.3755	-12.05341	2.7092	0.36498	0.65402	-1.93602
213	0	3	4.1	8.20684	3.10582	2.95585	3.44304	-11.97345	2.57545	-0.71793	1.87631	-1.77276
214	0	3	4.6	8.5735	3.12196	4.05703	3.36123	-11.98277	2.70621	-1.23173	1.39597	-1.1796
215	0	3	5.1	9.32078	3.15745	4.90465	3.34344	-12.29178	2.62438	-0.51602	0.53336	-0.75575
216	0	3	5.6	10.0885	3.17953	6.0671	3.187	-12.2524	2.62492	-0.42654	-0.05232	-0.5513
217	0	3	6.1	11.21383	3.20951	7.44274	3.33611	-12.14816	2.61729	-0.21948	0.45548	-0.6004
218	0	3	6.6	12.34438	3.18448	8.64903	3.44171	-12.16333	2.61762	0.9033	-0.03076	-0.38991
219	0	3	7.1	12.19917	4.19179	9.68502	3.79822	-11.88435	2.65158	2.4094	-0.60915	-0.42456
220	0	3	7.6	11.40655	5.49573	9.90661	4.51629	-10.26062	2.94212	6.18021	-1.54128	-4.44172

Explorer Engine Compartment Test:

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	8.7	-30	3.9	0.97056	1.59509	-2.58684	1.25124	0.25523	1.14853	-0.13476	0.78266	-0.12831
2	8.7	-29	3.9	1.0738	1.51141	-2.8702	1.15255	0.08227	1.07221	0.13069	0.47173	-0.02079
3	8.7	-29	2.9	0.84941	1.57058	-2.40487	1.31078	0.22988	1.29277	-0.1824	0.93099	-0.05659
4	8.7	-28	1.9	0.47473	1.76243	-1.94445	1.29074	0.23303	1.36159	-0.16333	0.93311	-0.09146
5	8.7	-28	2.9	0.8631	1.51198	-2.35116	1.37694	0.2802	1.43416	0.00107	1.07156	-0.06179
6	8.7	-28	3.9	1.16103	1.44351	-2.87223	1.34612	0.31857	1.36617	0.00581	0.89622	-0.08374
7	8.7	-27	3.9	1.10492	1.60585	-2.90088	1.35826	0.24901	1.30001	-0.05289	0.84765	0.09231
8	8.7	-27	2.9	1.05796	1.49175	-2.42366	1.38635	0.20734	1.41826	-0.15974	0.95351	-0.06421
9	8.7	-27	1.9	0.69674	1.52318	-2.12156	1.22793	0.20923	1.26214	-0.03488	0.65555	-0.03841
10	8.7	-27	0.9	0.24802	1.54734	-1.38679	1.30792	0.30173	1.32227	-0.1158	0.74918	0.05684
11	8.7	-26	0.9	0.41345	1.58528	-1.48366	1.41239	0.30048	1.35903	0.10277	1.02365	-0.20178
12	8.7	-26	1.9	0.72764	1.86901	-2.01145	1.47662	0.21593	1.49814	-0.0342	0.97327	-0.33008
13	8.7	-26	2.9	0.86273	1.67611	-2.4828	1.50785	0.30315	1.47202	-0.14143	1.27282	-0.27345
14	8.7	-26	3.9	1.14763	1.45298	-2.84316	1.45503	0.21143	1.45312	0.12043	1.2056	0.06126
15	8.7	-25	3.9	1.05028	1.87082	-2.86845	1.4237	0.13009	1.43223	0.09671	0.98647	0.01446
16	8.7	-25	2.9	0.76064	1.92228	-2.45825	1.25764	0.27328	1.36609	-0.20774	0.82598	0.01011
17	8.7	-25	1.9	0.52989	1.78916	-2.05604	1.47438	0.22892	1.56125	-0.26826	1.33304	-0.19489
18	8.7	-25	0.9	0.40413	1.65736	-1.29125	1.58851	0.44404	1.63758	-0.23345	1.40582	-0.09515

19	8.7	-25	-0.1	0.12746	1.6662	-1.03838	1.58579	0.31011	1.54281	-0.13319	1.41458	-0.03754
20	8.7	-24	-1.1	-0.04958	1.56239	-0.59846	1.72109	0.51973	1.55093	0.1805	1.23096	0.22611
21	8.7	-24	-0.1	0.25078	1.69755	-0.97355	1.51017	0.41833	1.47066	0.11043	0.82039	-0.08408
22	8.7	-24	0.9	0.40121	1.72224	-1.50073	1.55299	0.5156	1.61335	-0.18938	1.54895	-0.18595
23	8.7	-24	1.9	0.5076	1.97613	-2.02688	1.58105	0.48656	1.53521	0.03671	1.05351	0.03218
24	8.7	-24	2.9	1.07294	1.69467	-2.44196	1.38891	0.36481	1.46042	-0.00859	0.81133	0.07623
25	8.7	-24	3.9	1.15366	1.57658	-2.82033	1.3906	0.31193	1.53594	-0.03447	1.02561	-0.08904
26	8.7	-23	3.9	1.07912	1.67115	-2.7402	1.36123	0.27633	1.46757	0.07575	0.79494	-0.14557
27	8.7	-23	2.9	0.93466	1.73093	-2.35291	1.41239	0.44417	1.56406	-0.19673	1.13114	-0.13458
28	8.7	-23	1.9	0.81437	1.75744	-2.01102	1.528	0.27816	1.49776	-0.06898	0.86757	0.0111
29	8.7	-23	0.9	0.42046	1.82333	-1.57571	1.42494	0.47846	1.53188	0.21304	1.08579	0.04557
30	8.7	-23	-0.1	0.15406	1.93602	-0.99761	1.58609	0.71252	1.33373	-0.37008	0.77458	-0.0436
31	8.7	-23	-1.1	-0.05525	1.59023	-0.90101	1.51746	0.36618	1.6004	0.10032	1.13188	0.20679
32	8.7	-23	-2.1	2.93977E-4	1.63451	-0.51615	1.77667	0.60327	1.71162	-0.61607	1.49383	-0.10847
33	8.7	-22	-3.1	-0.1595	1.47371	-0.52193	1.64481	0.43677	1.75085	0.02748	1.51853	0.18303
34	8.7	-22	-2.1	-0.1595	1.5472	-0.50677	1.75768	0.58822	1.63498	-0.19263	1.40444	-0.13871
35	8.7	-22	-1.1	0.13861	1.52232	-0.84592	1.63335	0.47569	1.64327	0.00655	0.75415	0.21011
36	8.7	-22	-0.1	-0.0349	1.78462	-1.15412	1.68723	0.74538	1.62845	-0.25075	1.58126	0.15646
37	8.7	-22	0.9	0.70781	1.35282	-1.54947	1.47346	0.80303	1.35286	-0.11172	1.23599	0.01325
38	8.7	-22	1.9	0.9244	1.57511	-1.97697	1.46532	0.55547	1.61227	0.1432	1.28654	0.05356
39	8.7	-22	2.9	1.15788	1.52944	-2.42339	1.43616	0.44868	1.45888	0.01012	0.82069	-0.02297
40	8.7	-22	3.9	1.02492	1.62795	-2.80017	1.4316	0.52291	1.60383	-0.04807	0.95063	-0.10138
41	8.7	-21	3.9	1.0648	1.59307	-2.6782	1.48362	0.45812	1.58085	-0.04825	0.76819	0.02288
42	8.7	-21	2.9	1.11128	1.61668	-2.39205	1.57877	0.70586	1.65545	0.09422	1.12935	-0.19182
43	8.7	-21	1.9	0.98372	1.51359	-2.04448	1.44086	0.6787	1.49873	-0.04638	0.82109	-0.11134
44	8.7	-21	0.9	0.45684	1.5859	-1.54734	1.4777	0.59184	1.40799	0.02752	0.8984	-0.02682
45	8.7	-21	-0.1	0.26499	1.81463	-1.16286	1.63332	0.73987	1.68572	-0.41211	1.43061	-0.20561
46	8.7	-21	-1.1	0.06643	1.44239	-0.52063	1.73071	0.85045	1.81548	-0.34428	1.87144	0.08542
47	8.7	-21	-2.1	-0.00105	1.42512	-0.40404	1.59401	0.77626	1.67113	0.07732	1.17777	0.23435
48	8.7	-21	-3.1	-0.25284	1.46635	-0.31125	1.7162	0.73691	1.72805	-0.09958	1.26899	0.10171
49	8.7	-20	-4.1	-0.19808	1.33633	-0.50312	1.7312	0.66254	1.60881	-0.20604	0.94878	0.0692
50	8.7	-20	-3.1	-0.15566	1.22694	-0.32347	1.76515	0.73485	1.60176	-0.04836	1.43738	0.21327
51	8.7	-20	-2.1	-0.11189	1.56235	-0.7864	1.86065	0.66347	1.82129	-0.00129	1.01076	0.25796
52	8.7	-20	-1.1	0.09442	1.57685	-0.83649	1.59237	0.65522	1.73594	-0.02038	1.0906	0.08685
53	8.7	-20	-0.1	0.20086	1.64686	-1.2497	1.70705	0.89531	1.61288	0.22022	1.23515	0.11223
54	8.7	-20	0.9	0.36921	1.9008	-1.80007	1.59596	0.82233	1.48019	-0.07245	0.90279	-0.04849
55	8.7	-20	1.9	0.65667	1.92893	-2.02339	1.66339	0.9771	1.59468	0.12187	0.98837	0.04643
56	8.7	-20	2.9	0.95014	1.73668	-2.36032	1.60287	0.89944	1.67644	-0.08399	1.00842	-0.07493
57	8.7	-20	3.9	0.86917	1.79295	-2.61642	1.50139	0.76704	1.5386	0.03354	0.83572	-1.37733E-4
58	8.7	-19	3.9	0.89154	1.59543	-2.55414	1.47721	0.75583	1.55868	0.26504	0.78838	0.06275
59	8.7	-19	2.9	0.8809	1.58362	-2.26233	1.58622	1.04909	1.7371	0.11381	0.99511	-0.06833
60	8.7	-19	1.9	0.6625	1.73433	-2.15442	1.59953	1.03918	1.62739	-0.04741	0.75756	-0.17488
61	8.7	-19	0.9	0.3674	1.71502	-1.73018	1.70582	1.05935	1.68539	0.00896	1.18329	-0.09877
62	8.7	-19	-0.1	0.23175	1.52796	-1.42909	1.73294	1.07913	1.6762	0.15317	1.18227	0.29939
63	8.7	-19	-1.1	-0.02404	1.68491	-0.89638	1.98335	1.01088	1.88475	-0.05929	1.44782	0.0194
64	8.7	-19	-2.1	-0.14573	1.38117	-0.81823	1.74498	0.80925	1.62954	-0.2051	1.07041	0.01881
65	8.7	-19	-3.1	-0.17291	1.38499	-0.55722	1.73036	0.97881	1.81092	0.04698	1.17021	0.21953
66	8.7	-19	-4.1	-0.31658	1.48121	-0.40568	1.92027	0.90619	2.03238	0.30784	1.68736	0.4743
67	8.7	-19	-5.1	-0.43102	1.4057	-0.49685	1.84509	0.9178	1.76446	-0.06429	1.06878	0.14857
68	8.7	-18	-6.1	-0.33865	1.54018	-0.38598	1.8401	1.16871	1.92594	-0.4076	0.73059	0.46837
69	8.7	-18	-5.1	-0.24744	1.77267	-0.48436	1.96879	1.32159	1.93642	-0.30291	1.00257	0.21948
70	8.7	-18	-4.1	-0.37549	1.59835	-0.44331	1.8529	1.20027	1.82577	-0.28478	1.08455	0.26526
71	8.7	-18	-3.1	-0.42629	1.58725	-0.57717	1.99956	1.2211	1.98242	-0.06811	1.50121	0.2986

72	8.7	-18	-2.1	-0.17173	1.68367	-0.76938	1.80834	1.18273	1.82421	-0.28573	1.00575	0.15837
73	8.7	-18	-1.1	-0.15018	1.65965	-1.28318	2.01733	1.21819	1.79119	-0.04706	1.33636	-0.03924
74	8.7	-18	-0.1	0.17619	1.53495	-1.38085	1.83979	1.44239	1.79124	0.05652	0.82178	-0.06123
75	8.7	-18	0.9	0.19183	1.77629	-1.84259	1.78624	1.46678	1.77298	0.0897	1.02205	-0.01583
76	8.7	-18	1.9	0.44616	1.71336	-2.17892	1.73285	1.41183	1.70425	0.29405	0.70119	-0.07321
77	8.7	-18	2.9	0.78506	1.68518	-2.39311	1.63281	1.23092	1.7826	0.07102	0.94583	-0.26225
78	8.7	-18	3.9	0.78208	1.73601	-2.68365	1.50257	0.96952	1.65717	0.14794	0.75515	-0.24428
79	8.7	-17	3.9	0.64176	1.79309	-2.37772	1.54451	1.17785	1.60441	0.01667	0.98403	-0.06089
80	8.7	-17	2.9	0.49504	1.87761	-2.34861	1.62405	1.43354	1.80306	0.03631	0.76379	-0.27473
81	8.7	-17	1.9	0.32357	1.83319	-2.12894	1.81366	1.65379	1.75468	0.02485	0.95195	-0.33169
82	8.7	-17	0.9	0.09941	1.70071	-2.08532	1.81733	1.89341	1.92612	-0.01992	0.82068	-0.00353
83	8.7	-17	-0.1	-0.01183	1.64238	-1.77857	1.90537	1.82624	1.84632	0.18072	0.63435	0.07048
84	8.7	-17	-1.1	-0.27383	1.66642	-1.59434	2.08573	1.72819	1.96317	-0.06503	1.03695	-0.19383
85	8.7	-17	-2.1	-0.36065	1.73705	-1.18455	2.24326	1.62586	1.84058	0.15762	1.21424	0.11913
86	8.7	-17	-3.1	-0.57065	1.58644	-0.8213	2.09039	1.48022	2.00327	0.00227	1.16461	0.04027
87	8.7	-17	-4.1	-0.59499	1.49545	-0.67979	1.88456	1.16491	1.87865	-0.14078	1.10679	0.22306
88	8.7	-17	-5.1	-0.5146	1.58765	-0.29196	2.11781	1.64117	2.26744	-0.25904	1.39476	0.39412
89	8.7	-17	-6.1	-0.53033	1.62831	-0.67407	2.16612	1.82412	1.85669	-0.26308	0.87091	0.39294
90	8.7	-17	-7.1	-0.44039	1.79606	-0.87401	2.00689	1.46471	2.0309	-0.47413	0.40356	-0.02054
91	8.7	-16	-7.1	-0.61565	1.74004	-1.03076	2.17939	2.43677	2.19642	-0.62843	0.67989	0.466
92	8.7	-16	-6.1	-0.72245	1.70882	-0.27445	1.83762	2.00589	2.41757	-0.14589	1.44697	0.7013
93	8.7	-16	-5.1	-0.80977	1.679	-0.3747	2.17063	1.69177	2.16114	-0.01537	1.47416	0.35408
94	8.7	-16	-4.1	-0.84995	1.7292	-0.68662	2.18672	1.91597	2.13912	0.12057	0.73413	-0.01541
95	8.7	-16	-3.1	-0.77576	1.7191	-1.30571	2.34794	1.94555	2.05735	0.3187	0.7345	-0.019
96	8.7	-16	-2.1	-0.64485	1.65051	-1.3852	2.20758	2.4998	2.08152	0.4954	1.13347	-0.13485
97	8.7	-16	-1.1	-0.35018	1.7717	-1.84931	2.13916	2.38148	2.00687	0.21508	0.61802	0.03477
98	8.7	-16	-0.1	-0.3164	1.64813	-1.94439	2.10794	2.50901	2.06117	0.17047	1.16438	-0.10372
99	8.7	-16	0.9	0.08505	1.84066	-2.16977	1.95514	2.22119	1.95114	0.30297	1.16292	0.03249
100	8.7	-16	1.9	0.24655	1.74737	-2.183	1.80263	2.08204	1.97505	0.06453	0.83074	-0.22898
101	8.7	-16	2.9	0.53877	1.91409	-2.23454	1.77633	1.67917	1.9135	0.09255	1.13662	-0.04055
102	8.7	-16	3.9	0.5309	1.8737	-2.25534	1.64181	1.29798	1.78499	0.42544	0.86276	0.03022
103	8.7	-15	3.9	0.30715	1.95166	-2.2566	1.7891	1.43358	1.76018	0.00409	1.11044	-0.05253
104	8.7	-15	2.9	0.2907	1.82685	-2.05401	1.71605	1.79029	1.86292	-0.07821	0.8623	-0.16842
105	8.7	-15	1.9	0.09712	1.77631	-2.19231	1.91453	2.08984	2.0183	0.02535	1.14475	-0.0775
106	8.7	-15	0.9	0.0051	1.67154	-2.13398	2.09494	2.63768	2.12889	0.06332	1.14104	-0.3224
107	8.7	-15	-0.1	-0.3298	1.8537	-2.1534	2.14799	3.00017	2.19752	0.00899	1.49235	-0.05517
108	8.7	-15	-1.1	-0.65911	1.68974	-2.38608	2.21311	2.96478	2.05434	0.23531	0.64815	-0.07139
109	8.7	-15	-2.1	-0.74625	1.70386	-2.14516	2.30209	2.77459	2.17423	0.36102	1.00721	-0.16818
110	8.7	-15	-3.1	-1.07113	1.89188	-1.84534	2.38556	2.66649	2.1357	0.48962	0.81559	-0.36306
111	8.7	-15	-4.1	-1.31017	1.91074	-1.22039	2.3386	2.4201	2.31497	0.79631	1.19608	-0.21479
112	8.7	-15	-5.1	-1.29624	1.77958	-0.75891	2.28235	1.79878	2.04934	0.77304	1.11813	-0.24098
113	8.7	-15	-6.1	-1.11855	2.145	-0.01732	2.36648	2.05091	2.23706	0.39725	1.45081	0.51369
114	8.7	-15	-7.1	-0.96588	2.03378	-0.2977	2.19615	2.52023	2.48063	-0.17148	1.04804	0.92079
115	8.7	-15	-8.1	-0.56746	1.97892	-1.7169	2.53931	3.33344	2.46994	-0.717	-0.43419	0.54755
116	8.7	-14	-7.1	-1.70296	2.17018	1.54994	2.37713	1.2429	2.50096	0.57505	0.56658	0.75725
117	8.7	-14	-6.1	-2.27775	2.08032	-0.13575	2.85721	1.51043	2.38833	1.60684	0.56444	-0.34007
118	8.7	-14	-5.1	-1.86697	1.88835	-1.50096	2.6143	2.51825	2.36047	1.27346	0.29093	-0.42252
119	8.7	-14	-4.1	-1.52117	1.81852	-2.03192	2.55181	3.18296	2.17903	0.56836	0.19671	-0.54608
120	8.7	-14	-3.1	-1.16643	1.77215	-2.34494	2.51623	3.44546	2.15166	0.24819	0.28462	-0.47197
121	8.7	-14	-2.1	-0.83487	1.75483	-2.58896	2.30474	3.50466	2.27466	-0.11663	0.63848	-0.34225
122	8.7	-14	-1.1	-0.54009	1.81258	-2.33116	2.14988	3.39459	2.31837	-0.21002	0.42885	-0.32466
123	8.7	-14	-0.1	-0.2807	1.75388	-2.31576	2.09743	3.15749	2.11194	0.13886	1.28237	0.07709
124	8.7	-14	0.9	-0.18161	1.66388	-2.27067	2.00938	2.89418	2.06275	-0.09556	1.25932	0.12597

125	8.7	-14	1.9	0.00186	1.57264	-2.08325	2.0026	2.49265	1.9987	0.10972	1.18571	-0.02004
126	8.7	-14	2.9	0.29355	1.6857	-2.09361	2.02887	2.21865	1.9842	0.03992	1.45479	-0.03912
127	8.7	-14	3.9	0.27457	1.72841	-2.41376	1.9072	1.77878	1.89522	0.3002	1.27731	0.03976
128	8.7	-13	3.9	0.05565	1.66515	-2.30749	1.87716	2.10222	2.01164	0.06914	0.85783	-0.25135
129	8.7	-13	2.9	-0.06657	1.76059	-2.11	1.99548	2.54782	2.01503	0.3626	1.26473	-0.07928
130	8.7	-13	1.9	-0.14429	1.78335	-1.87534	1.85486	2.73537	1.92692	0.07569	0.94791	-0.03784
131	8.7	-13	0.9	-0.48026	1.89701	-1.83709	2.00054	2.98109	2.17255	0.03839	1.10665	0.06129
132	8.7	-13	-0.1	-0.58369	1.64079	-2.0868	2.07753	3.28756	2.16183	-0.05656	1.08175	0.23855
133	8.7	-13	-1.1	-0.72428	1.79761	-2.28523	2.27441	3.7729	2.26826	-0.13505	1.06074	0.29421
134	8.7	-13	-2.1	-0.82592	1.84531	-2.57295	2.35019	4.19719	2.18767	-0.22838	0.20468	0.56107
135	8.7	-13	-3.1	-0.8359	1.91137	-3.06776	2.53707	4.38026	2.207	0.0941	0.14465	-0.16665
136	8.7	-13	-4.1	-1.23005	1.9608	-2.9505	2.7879	4.37295	2.39829	0.80057	0.1436	-0.62977
137	8.7	-13	-5.1	-1.65138	1.98268	-2.77451	2.82571	3.83771	2.3873	0.74871	0.12453	-0.46454
138	8.7	-13	-6.1	-1.51839	2.36712	-1.03132	3.21311	2.28726	2.73734	1.91728	-0.19052	-0.68404
139	8.7	-12	-6.1	-1.41977	1.29984	-4.01756	2.36846	4.32175	2.05296	0.6146	-0.24888	0.02059
140	8.7	-12	-5.1	-0.58435	1.77415	-3.83977	2.39775	5.58807	2.36025	-0.02312	0.27981	0.68048
141	8.7	-12	-4.1	-0.87771	1.68165	-3.52963	2.37245	5.27221	2.40859	-0.3411	0.38138	0.53052
142	8.7	-12	-3.1	-0.88479	1.74379	-2.90116	2.31847	4.64379	2.60478	-0.14164	0.95477	0.64415
143	8.7	-12	-2.1	-0.95524	1.83093	-2.29707	2.17979	4.14598	2.38873	0.09817	1.17954	0.45023
144	8.7	-12	-1.1	-0.82026	1.88144	-2.14557	2.13235	3.55659	2.32872	0.00976	1.00576	0.49132
145	8.7	-12	-0.1	-0.70048	1.76313	-1.91223	2.19158	3.26868	2.25747	-0.10633	1.38302	0.02428
146	8.7	-12	0.9	-0.47171	1.83648	-2.1696	2.08992	3.21555	2.01425	0.15338	0.87107	-0.16175
147	8.7	-12	1.9	-0.36424	1.82823	-2.2138	2.10914	3.13282	2.06973	0.26162	0.91189	-0.26697
148	8.7	-12	2.9	-0.0961	1.6827	-1.91844	1.94048	3.06747	2.0658	0.06422	0.99306	-0.282
149	8.7	-12	3.9	0.0347	1.60626	-2.33464	1.89016	2.65378	2.00351	0.36424	0.88372	-0.09596
150	8.7	-11	3.9	-0.34713	1.48512	-2.09763	1.80782	2.77195	1.9466	0.21996	0.69179	-0.14886
151	8.7	-11	2.9	-0.43905	1.75807	-2.06764	2.00834	3.14845	1.94534	0.21528	0.89546	-0.25099
152	8.7	-11	1.9	-0.52697	1.69444	-1.97375	2.02954	3.70984	2.06571	0.35185	1.14862	-0.42281
153	8.7	-11	0.9	-0.62126	1.78438	-1.95637	2.14831	3.73435	2.06521	0.28994	1.11681	-0.20268
154	8.7	-11	-0.1	-0.79445	1.62617	-1.82668	2.11206	3.57622	2.07015	-0.08062	1.14509	-0.01982
155	8.7	-11	-1.1	-1.01671	1.79315	-1.97906	2.11818	3.58558	2.09085	-0.11995	1.31456	-0.23067
156	8.7	-11	-2.1	-1.0823	1.76306	-1.77805	2.12874	3.54687	2.18563	0.05906	1.32061	0.28487
157	8.7	-11	-3.1	-1.10222	1.89528	-2.02035	2.07729	4.15562	2.3049	0.04007	1.65014	0.53281
158	8.7	-11	-4.1	-0.99576	1.76887	-2.57439	2.30451	4.69326	2.44732	-0.13655	1.676	0.39993
159	8.7	-11	-5.1	-0.77277	1.90458	-3.29984	2.33025	5.53501	2.40097	-0.18301	1.04975	0.69819
160	8.7	-11	-6.1	-0.37211	1.88323	-3.3755	2.3718	5.86795	2.19659	-0.15164	0.94363	0.18508
161	8.7	-11	-7.1	-0.32181	1.74693	-3.08768	2.21019	5.44304	2.0455	-0.18665	1.04029	0.06772
162	8.7	-10	-8.1	-1.05285	1.86551	-4.01166	2.38714	5.56202	2.2862	0.02546	0.40586	0.07684
163	8.7	-10	-7.1	-0.90441	1.81949	-3.63091	2.50608	5.82223	2.39699	0.08322	0.8979	-0.36943
164	8.7	-10	-6.1	-0.85513	1.9413	-3.0826	2.2713	5.8272	2.49457	-0.37758	1.02639	0.36653
165	8.7	-10	-5.1	-0.93716	2.14017	-2.47504	2.24195	4.75939	2.70858	0.08374	1.58589	0.46937
166	8.7	-10	-4.1	-0.91858	2.12755	-1.72794	2.10514	4.05055	2.48361	0.05861	2.2495	0.26976
167	8.7	-10	-3.1	-1.13206	2.02134	-1.81135	2.34316	3.74582	2.29159	0.10789	1.99388	0.04445
168	8.7	-10	-2.1	-1.16565	1.87922	-1.77177	2.37351	3.92958	2.19759	0.04609	1.69419	-0.42716
169	8.7	-10	-1.1	-1.03948	1.7928	-1.98641	2.27757	4.1915	2.22107	0.02735	1.13229	-0.32693
170	8.7	-10	-0.1	-0.85593	1.87715	-2.15294	2.25845	4.35109	2.09483	0.14018	0.8974	-0.14976
171	8.7	-10	0.9	-0.73175	1.78306	-2.15467	2.15865	4.44487	2.16349	0.02296	0.89919	-0.12946
172	8.7	-10	1.9	-0.58153	1.65005	-2.27265	2.22357	4.26732	2.15584	0.08429	1.31126	-0.2539
173	8.7	-10	2.9	-0.47143	1.70775	-1.91103	2.15673	3.7756	2.19802	0.0422	1.5764	-0.04338
174	8.7	-10	3.9	-0.33706	1.63507	-2.01946	2.03438	2.96646	2.17165	0.16448	1.20334	-0.22352
175	8.7	-9	3.9	-0.37878	1.67368	-1.67348	2.01891	3.39947	2.19903	0.0878	1.22662	-0.19905
176	8.7	-9	2.9	-0.42791	1.66329	-1.90978	2.03817	4.17888	2.35516	0.26992	1.26055	-0.01194
177	8.7	-9	1.9	-0.62748	1.75657	-2.07193	2.14952	4.56447	2.27639	0.20399	1.29695	0.04936

178	8.7	-9	0.9	-0.8525	1.69483	-2.22342	2.21789	5.0171	2.25624	0.13176	1.2175	-0.38865
179	8.7	-9	-0.1	-0.94197	1.76559	-2.51651	2.30131	5.00284	2.31952	0.27404	1.2013	-0.25793
180	8.7	-9	-1.1	-0.94041	1.87742	-2.30774	2.51427	5.00241	2.33359	0.32763	1.60864	-0.34008
181	8.7	-9	-2.1	-0.93234	2.08031	-2.05991	2.42493	4.47225	2.22982	0.07403	0.89871	-0.59166
182	8.7	-9	-3.1	-1.16749	2.02421	-1.95933	2.55808	3.98781	2.212	0.09541	1.62936	-0.33931
183	8.7	-9	-4.1	-0.98214	2.38083	-1.3951	2.53252	3.54845	2.30368	-0.06867	2.08923	-0.27253
184	8.7	-9	-5.1	-0.98558	2.53598	-0.99216	2.32925	3.41025	2.8239	-0.06848	2.92523	0.49896
185	8.7	-9	-6.1	-0.66346	2.28984	-1.73899	2.28877	4.83632	3.19582	-0.17789	2.01133	0.40412
186	8.7	-9	-7.1	-0.93105	1.72223	-4.27271	2.60672	6.38411	2.60858	0.32826	1.06119	0.16574
187	8.7	-9	-8.1	-1.1496	1.81052	-4.42086	2.30191	6.19573	2.24705	0.07563	0.55744	-0.20659
188	8.7	-8	-10.1	-1.15383	2.04434	-4.32169	2.39374	6.17118	2.35894	0.19774	0.7254	-0.56742
189	8.7	-8	-6.1	-0.92763	2.73576	-0.16656	3.11481	1.15472	2.56144	-0.31844	1.22296	0.12456
190	8.7	-8	-5.1	-0.70168	2.34619	-1.561	3.09024	2.98648	2.46687	0.45214	0.24742	-0.49864
191	8.7	-8	-4.1	-0.68324	2.13463	-2.28471	2.89846	4.58501	2.41841	0.5556	0.432	-0.80211
192	8.7	-8	-3.1	-0.93302	1.87119	-2.5863	2.70073	5.46591	2.44097	0.34374	0.43627	-0.14589
193	8.7	-8	-2.1	-0.87514	1.75278	-2.82986	2.5827	5.49313	2.38205	0.56943	1.13806	-0.51537
194	8.7	-8	-1.1	-1.01375	1.78222	-2.81865	2.37855	5.63577	2.46735	0.41975	1.00982	-0.28068
195	8.7	-8	-0.1	-0.97101	1.81668	-2.58673	2.27168	5.54695	2.45238	0.29175	1.45338	-0.11043
196	8.7	-8	0.9	-0.82914	1.69796	-2.24498	2.28035	5.17995	2.40551	0.04919	1.31199	0.04493
197	8.7	-8	1.9	-0.6977	1.66695	-2.06282	2.06404	4.87965	2.44486	0.06848	1.22468	-0.02003
198	8.7	-8	2.9	-0.55674	1.6829	-1.85691	2.1563	4.12633	2.45799	-0.13048	1.49717	-0.0879
199	8.7	-8	3.9	-0.46617	1.65501	-1.44344	2.14243	3.48216	2.36889	0.1617	1.28812	-0.06473
200	8.7	-7	3.9	-0.58826	1.55263	-1.35888	2.04673	3.33586	2.3788	0.06691	1.21148	-0.07703
201	8.7	-7	2.9	-0.68884	1.72452	-1.64872	2.13898	4.26018	2.46757	0.22786	1.31575	-0.15983
202	8.7	-7	1.9	-0.6233	1.7595	-1.86585	2.24559	4.72185	2.56077	0.16042	1.44878	-0.12427
203	8.7	-7	0.9	-0.77968	1.71432	-2.16794	2.23716	5.16122	2.49242	-0.09225	1.54283	-0.34691
204	8.7	-7	-0.1	-0.84335	1.78319	-2.15092	2.22371	5.60888	2.45725	0.23592	1.1081	-0.18482
205	8.7	-7	-1.1	-0.9457	1.82423	-2.66062	2.36014	5.93002	2.52229	0.16754	1.45863	-0.20979
206	8.7	-7	-2.1	-0.93982	1.7513	-2.81411	2.40758	6.03379	2.47085	0.45393	1.16713	-0.27819
207	8.7	-7	-3.1	-0.87822	1.89036	-2.76001	2.38409	6.37899	2.49989	0.30736	1.01893	-0.36523
208	8.7	-7	-4.1	-0.80226	1.79005	-2.84472	2.63652	6.3322	2.43625	0.45764	0.75016	-0.66236
209	8.7	-7	-5.1	-1.00461	1.79299	-2.88574	2.72783	6.33248	2.78837	0.52461	0.10469	-0.45744
210	8.7	-7	-6.1	-1.10044	1.91455	-2.91589	2.87031	5.95974	2.92242	0.26599	-1.09666	-0.71044
211	8.7	-6	-8.1	-0.71007	1.79608	-2.6568	2.42035	6.31341	2.5143	0.19463	1.58043	-0.407
212	8.7	-6	-7.1	-0.73609	1.70701	-2.73573	2.4704	7.04594	2.60063	0.13738	2.00079	-0.57
213	8.7	-6	-6.1	-0.71507	1.79708	-3.13375	2.41241	6.86855	2.5909	0.43123	1.8398	-0.77516
214	8.7	-6	-5.1	-0.68332	1.86532	-3.06128	2.49391	6.83613	2.51663	0.44414	1.73565	-0.49681
215	8.7	-6	-4.1	-0.65443	1.84404	-3.0144	2.4855	6.60541	2.6107	0.44388	1.33385	-0.71988
216	8.7	-6	-3.1	-0.72647	1.90034	-2.60586	2.3819	6.47678	2.53573	0.25348	1.73707	-0.52259
217	8.7	-6	-2.1	-0.58204	1.85575	-2.60911	2.21959	6.20135	2.51806	0.30259	1.59567	-0.84936
218	8.7	-6	-1.1	-0.7198	1.83906	-2.45084	2.27453	5.46281	2.6898	0.12208	1.62629	-0.54629
219	8.7	-6	-0.1	-0.57668	1.78048	-2.03301	2.36665	5.57843	2.43315	0.13404	1.65597	-0.56447
220	8.7	-6	0.9	-0.53567	1.77511	-1.99835	2.25743	5.13297	2.54648	0.40181	1.37425	-0.38506
221	8.7	-6	1.9	-0.58798	1.80772	-1.64075	2.24981	4.68296	2.48678	0.11874	1.74106	-0.29746
222	8.7	-6	2.9	-0.45577	1.76224	-1.27471	2.1019	4.03946	2.49608	0.13776	1.39233	-0.41773
223	8.7	-6	3.9	-0.58757	1.73771	-1.02441	2.19056	3.14949	2.37314	0.15159	1.08205	-0.32964
224	8.7	-5	3.9	-0.64668	1.60957	-0.80533	2.17402	2.80647	2.47154	0.19102	0.72213	-0.02376
225	8.7	-5	2.9	-0.47511	1.78927	-1.1388	2.18589	3.68407	2.63155	0.32566	1.74919	-0.36215
226	8.7	-5	1.9	-0.33923	1.91543	-1.29367	2.17402	4.39274	2.64192	0.49496	1.38999	-0.61978
227	8.7	-5	0.9	-0.28518	1.95818	-1.53643	2.29326	4.64856	2.62806	0.52831	1.78195	-0.85313
228	8.7	-5	-0.1	-0.30558	2.04595	-1.90346	2.3216	5.20092	2.61543	0.42932	1.46551	-0.53623
229	8.7	-5	-1.1	-0.25645	1.9545	-2.16039	2.35766	5.50229	2.67028	0.25136	1.77266	-0.61123
230	8.7	-5	-2.1	-0.23722	1.93756	-2.41103	2.44246	5.69417	2.72585	0.44979	1.50754	-0.57098

231	8.7	-5	-3.1	-0.0628	2.06291	-2.56096	2.38154	6.04497	2.65757	0.35574	1.39576	-0.8918
232	8.7	-5	-4.1	-0.20902	2.04946	-2.84663	2.30682	6.24035	2.67209	0.46747	1.0058	-0.98092
233	8.7	-5	-5.1	-0.39587	1.85198	-3.08076	2.53217	6.66415	2.77795	0.43281	1.87658	-0.69522
234	8.7	-5	-6.1	-0.24932	1.99256	-3.09982	2.40703	6.7809	2.57849	0.6966	0.85377	-1.03454
235	8.7	-5	-7.1	-0.52092	1.97411	-3.22507	2.52192	6.96041	2.52741	0.64878	0.835	-0.72901
236	8.7	-5	-8.1	-0.39651	1.8903	-3.42018	2.59999	6.89874	2.54329	0.30627	1.22689	-0.5802
237	8.7	-4	-7.1	0.03824	2.15445	-3.45393	2.57407	7.06214	2.69805	0.78744	1.02915	-0.65437
238	8.7	-4	-6.1	0.08697	2.12038	-3.14339	2.53477	6.68445	2.73751	0.82064	1.13985	-1.45438
239	8.7	-4	-5.1	0.11742	2.08245	-3.03219	2.40453	6.62742	2.79457	0.64274	0.93217	-1.12257
240	8.7	-4	-4.1	0.21419	1.98531	-2.74129	2.53819	6.29277	2.84139	0.65705	1.33704	-1.08766
241	8.7	-4	-3.1	0.22338	2.08604	-2.45939	2.32591	5.976	2.79333	0.56614	1.10287	-0.94824
242	8.7	-4	-2.1	0.21389	2.13519	-2.19278	2.46739	5.46395	2.82784	0.82372	1.63356	-0.74599
243	8.7	-4	-1.1	0.15041	2.04852	-2.03543	2.38284	5.23088	2.67137	0.48569	1.2932	-0.98709
244	8.7	-4	-0.1	0.03345	2.01368	-1.52832	2.31956	5.02156	2.60589	0.5901	1.00444	-0.56235
245	8.7	-4	0.9	-0.16836	2.00309	-1.5361	2.3539	4.63311	2.62403	0.45685	1.31586	-0.70766
246	8.7	-4	1.9	-0.11055	1.96319	-1.18704	2.42004	4.10441	2.59124	0.49797	1.27247	-0.53109
247	8.7	-4	2.9	-0.3569	1.75238	-0.81706	2.34942	3.39707	2.57419	0.34898	1.23745	-0.47909
248	8.7	-4	3.9	-0.65611	1.7281	-0.47749	2.33839	2.70137	2.53517	0.29303	0.72648	-0.03761
249	8.7	-3	3.9	-0.76392	1.7245	-0.33572	2.34997	2.29115	2.75027	0.32047	0.37295	-0.09889
250	8.7	-3	2.9	-0.28436	1.98413	-0.53947	2.39928	3.06029	2.72911	0.61162	0.54608	-0.0768
251	8.7	-3	1.9	-0.06116	2.01084	-0.95054	2.40821	3.77886	2.64054	0.79435	1.09963	-0.64462
252	8.7	-3	0.9	0.1601	1.98414	-1.07776	2.22597	4.46732	2.64765	0.7119	0.93992	-0.71578
253	8.7	-3	-0.1	0.18856	2.20368	-1.43794	2.4157	4.47461	2.83156	0.90224	1.50126	-0.40551
254	8.7	-3	-1.1	0.25837	2.18129	-1.68197	2.3272	5.06122	2.89039	0.59576	0.7791	-1.05169
255	8.7	-3	-2.1	0.19732	2.23796	-2.03095	2.49594	5.37299	2.80109	0.88561	0.74699	-0.80357
256	8.7	-3	-3.1	0.30431	2.1009	-2.27588	2.49643	5.77445	3.00794	0.29282	1.00929	-0.89163
257	8.7	-3	-4.1	0.35146	2.10095	-2.5905	2.54015	6.24942	2.84235	0.7164	1.53638	-0.84562
258	8.7	-3	-5.1	0.42107	2.22918	-2.92758	2.50357	6.6908	2.9013	0.80138	1.3993	-1.56772
259	8.7	-3	-6.1	0.25338	2.24028	-3.06323	2.61367	7.00101	2.89706	0.67261	1.32525	-0.81898
260	8.7	-3	-7.1	0.15581	2.27873	-3.07794	2.66493	7.22413	2.89593	0.94087	1.33784	-0.69526
261	8.7	-2	-6.1	0.30035	2.28612	-2.71808	2.64246	7.32837	2.96235	0.95185	1.49903	-0.68953
262	8.7	-2	-5.1	0.47571	2.29313	-2.63904	2.49671	6.98935	2.89911	1.03212	1.51779	-1.5052
263	8.7	-2	-4.1	0.27291	2.24138	-2.33115	2.5655	6.29707	3.01637	1.03186	1.43767	-0.56029
264	8.7	-2	-3.1	0.28231	2.2702	-2.09984	2.51676	5.82586	2.9375	0.82901	1.53413	-0.72858
265	8.7	-2	-2.1	0.60545	2.35091	-1.81895	2.4351	5.61641	2.9296	1.24509	1.01564	-1.20472
266	8.7	-2	-1.1	0.30381	2.12322	-1.41614	2.53026	5.20068	2.87483	0.48307	1.16456	-1.36946
267	8.7	-2	-0.1	0.31154	2.14464	-1.20654	2.38399	4.54058	2.87279	0.94366	0.99672	-0.76624
268	8.7	-2	0.9	0.16736	2.08532	-1.14002	2.35622	4.27882	2.85295	0.2708	0.90978	-0.70809
269	8.7	-2	1.9	-0.13439	2.04042	-0.7232	2.31447	3.84985	2.66164	0.55628	1.02076	-0.40521
270	8.7	-2	2.9	-0.50568	1.94609	-0.7405	2.56355	3.13156	2.85778	0.36536	0.80954	-0.57556
271	8.7	-2	3.9	-0.86227	1.80237	-0.19609	2.42249	2.50559	2.87424	0.24671	0.75566	-0.29338
272	8.7	-1	3.9	-0.93498	1.93052	-0.05147	2.41932	2.185	3.01769	-0.0898	0.24697	-0.04285
273	8.7	-1	2.9	-0.36713	1.94895	-0.42076	2.47304	3.1029	2.74193	0.58855	0.08192	-0.46226
274	8.7	-1	1.9	-0.09434	1.95175	-0.652	2.42049	3.98267	2.89383	0.3548	1.01788	-0.69192
275	8.7	-1	0.9	0.17137	2.12209	-0.77101	2.46239	4.3247	2.73207	0.65216	0.90278	-1.32512
276	8.7	-1	-0.1	0.3256	2.3854	-1.08472	2.27652	4.62659	2.91218	0.66806	1.21248	-0.88168
277	8.7	-1	-1.1	0.43966	2.27749	-1.31342	2.48263	5.03553	2.8704	0.73021	1.10823	-1.2403
278	8.7	-1	-2.1	0.31963	2.20166	-1.48934	2.43373	5.56403	3.02509	0.59366	1.72339	-1.14877
279	8.7	-1	-3.1	0.50449	2.34917	-1.75388	2.62695	6.02952	3.1378	1.20743	1.70054	-1.24091
280	8.7	-1	-4.1	0.26015	2.26061	-1.98388	2.52634	6.41614	3.18409	0.58503	1.73345	-1.12717
281	8.7	-1	-5.1	0.39015	2.41783	-2.21558	2.53766	7.00265	3.11001	1.05605	1.17141	-1.37823
282	8.7	0	-4.1	0.43033	2.45727	-1.71476	2.79841	6.32241	3.26207	1.07424	2.15889	-1.3079
283	8.7	0	-3.1	0.32991	2.2764	-1.50132	2.57521	6.06185	2.98639	1.06337	1.05137	-0.78219

284	8.7	0	-2.1	0.4824	2.38111	-1.14186	2.4805	5.6592	2.89687	0.49776	1.28383	-1.51265
285	8.7	0	-1.1	0.42625	2.25961	-1.13858	2.34469	5.0394	2.94412	0.38918	1.4981	-1.18931
286	8.7	0	-0.1	0.19143	2.25647	-0.99794	2.34864	4.62962	2.92725	0.46708	1.16704	-0.77383
287	8.7	0	0.9	0.19934	2.17047	-0.60717	2.49893	3.98473	2.85718	0.58557	1.35621	-1.03384
288	8.7	0	1.9	-0.0369	2.01355	-0.47037	2.41271	3.48211	2.7268	0.8594	1.03144	-1.07092
289	8.7	0	2.9	-0.31903	1.90675	-0.24946	2.54541	3.09515	2.84128	0.38821	0.22956	-0.61146
290	8.7	0	3.9	-0.8833	1.76719	0.13887	2.3607	2.02176	2.83572	0.24467	-0.17232	-0.11863
291	8.7	1	3.9	-0.91988	1.69421	0.07093	2.47875	2.07442	2.93975	0.22496	0.44158	-0.27048
292	8.7	1	2.9	-0.29715	1.95272	0.07853	2.34126	2.93124	3.08718	0.33602	0.5333	-0.88785
293	8.7	1	1.9	0.08019	2.03856	-0.13691	2.41792	3.75777	2.88524	0.7959	1.23093	-1.32473
294	8.7	1	0.9	0.36162	2.05431	-0.53102	2.47922	4.09357	2.7424	0.19415	1.19146	-1.57931
295	8.7	1	-0.1	0.48722	2.06487	-0.77813	2.46759	4.62712	2.88962	0.81182	1.29875	-0.99617
296	8.7	1	-1.1	0.38754	2.15851	-0.97826	2.62879	5.104	3.00966	1.24003	1.81066	-1.07538
297	8.7	1	-2.1	0.08739	2.26003	-1.06069	2.45204	5.8311	3.08788	0.86385	1.39102	-1.03858
298	8.7	1	-3.1	0.34732	2.29681	-1.3021	2.74726	5.9678	3.11697	0.96735	2.02698	-0.38558
299	8.7	2	-2.1	0.17743	2.02693	-1.07362	3.16858	5.24448	3.14568	0.67412	4.4283	-1.75892
300	8.7	2	-1.1	0.52042	2.24915	-0.6891	2.68587	4.85456	3.18051	0.76904	1.94059	-1.09793
301	8.7	2	-0.1	0.36036	2.21927	-0.2767	2.48391	4.35076	2.8949	0.98969	1.38775	-1.28859
302	8.7	2	0.9	0.37648	2.14191	-0.45108	2.58109	3.84194	2.81975	0.60547	0.87887	-1.62409
303	8.7	2	1.9	-0.07872	2.06181	0.01468	2.62462	3.42578	2.904	0.86798	1.0163	-1.02597
304	8.7	2	2.9	-0.57269	1.93228	0.08828	2.45586	2.86812	2.92417	0.559	0.75498	-0.84506
305	8.7	2	3.9	-1.14364	1.82091	0.17223	2.61286	2.03027	2.86698	0.37087	0.51178	-0.13603
306	8.7	3	3.9	-1.07904	1.73022	0.34286	2.52645	2.14039	2.84179	0.33058	0.2901	0.39099
307	8.7	3	2.9	-0.55032	1.84771	0.0706	2.51366	2.76675	2.87043	0.44015	0.55446	-0.54893
308	8.7	3	1.9	0.0192	1.981	0.00712	2.48085	3.33484	2.61834	0.50772	1.39829	-0.59726
309	8.7	3	0.9	0.18511	2.11858	-0.15184	2.67084	4.13846	2.9661	0.39956	1.13296	-1.24503
310	8.7	3	-0.1	0.3294	2.29443	-0.47133	2.5205	4.21476	2.98563	0.33192	1.70888	-1.03865
311	8.7	3	-1.1	0.34877	2.32426	-0.20822	2.43397	4.96	2.95815	0.59849	1.7481	-1.27712
312	8.7	4	-0.1	0.34483	2.12405	-0.11318	2.75024	3.72251	3.18068	0.26824	2.20332	-1.50471
313	8.7	4	0.9	0.18939	2.20759	0.00303	2.54986	3.71068	3.0119	0.55064	1.43579	-0.94376
314	8.7	4	1.9	-0.31125	2.09288	0.12356	2.53965	3.31947	2.86311	0.48999	1.4223	-1.15414
315	8.7	4	2.9	-0.57563	1.87249	0.15868	2.54626	2.70198	2.96985	0.14072	0.81001	-0.30793
316	8.7	4	3.9	-1.16346	1.78963	0.44361	2.45003	2.04335	2.8557	-0.14851	0.52027	-0.0537
317	8.7	5	3.9	-0.92463	1.84602	0.37516	2.45102	2.34318	2.67331	0.31947	0.07812	-0.35655
318	8.7	5	2.9	-0.5617	1.94225	0.18165	2.6512	2.97157	2.82961	0.08391	1.21563	-0.86772
319	8.7	5	1.9	-0.06172	2.04552	0.07745	2.68246	3.24719	2.94761	0.68202	1.41532	-0.86007
320	8.7	5	0.9	-0.07354	2.12177	-0.19725	2.63753	3.49112	3.13592	0.22323	1.39197	-1.23368
321	8.7	5	-0.1	0.09343	2.1994	-0.04329	2.86453	4.00005	3.02765	0.46317	2.2278	-0.27644
322	8.7	6	0.9	-0.26143	2.11123	-0.11398	2.77432	3.62541	2.91935	0.53688	1.06366	-1.1917
323	8.7	6	1.9	-0.56695	1.96577	0.20955	2.53595	3.59507	2.71406	0.22113	0.9268	-0.72483
324	8.7	6	2.9	-0.55253	2.03852	0.29107	2.62473	3.34704	2.854	0.02193	1.05533	-0.8732
325	8.7	6	3.9	-1.15012	1.84292	0.20434	2.56874	2.83573	2.88931	-0.25499	0.67296	-0.27371
326	8.7	7	3.9	-1.00073	1.90797	0.38051	2.4659	3.86217	3.03057	-0.31932	0.28215	-0.53536
327	8.7	7	2.9	-0.5695	2.21799	0.32714	2.55314	4.16449	2.87807	0.23901	1.17622	-0.65014
328	8.7	7	1.9	-0.68262	2.2801	-0.09149	2.64911	4.34726	2.8941	-0.00677	1.28181	-1.45661
329	8.7	8	2.9	-0.88619	2.23051	0.27974	2.86381	6.19784	3.27455	0.69387	1.28089	-2.42076
330	8.7	8	3.9	-1.08731	2.06199	0.73131	2.87634	5.13649	3.62311	0.21266	1.57462	-1.79301
331	8.7	9	3.9	-0.39069	2.14559	1.38806	3.13133	4.63544	3.21937	0.71206	3.82564	-0.56408

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	9	-30	3.9	1.05176	2.02676	-2.63106	1.40798	0.2992	1.33698	-0.1117	1.1312	-0.15789
2	9	-29	3.9	0.9457	2.33735	-2.87756	1.4114	0.2389	1.31193	-0.00134	0.92542	0.03271
3	9	-29	2.9	0.85644	1.99384	-2.51965	1.48491	0.19572	1.43687	-0.07839	1.1952	-0.14704
4	9	-28	1.9	0.72771	2.02152	-2.18394	1.41169	0.1705	1.48584	0.04628	1.21095	0.02694
5	9	-28	2.9	0.8798	1.87966	-2.64319	1.42382	0.22968	1.41914	-0.07402	1.02237	0.03595
6	9	-28	3.9	1.06928	1.94728	-3.00097	1.4876	0.26642	1.45379	0.14722	1.13686	0.11969
7	9	-27	3.9	1.17043	1.89863	-2.97369	1.37664	0.25928	1.36515	-0.03478	0.98403	-0.04964
8	9	-27	2.9	0.84119	1.96751	-2.62321	1.46366	0.18482	1.48131	-0.12982	1.10777	-0.06771
9	9	-27	1.9	0.75459	2.08481	-2.19859	1.49426	0.22315	1.51999	-0.00892	1.18275	-0.12356
10	9	-27	0.9	0.49012	2.12228	-1.68838	1.56695	0.27605	1.50684	-0.14949	1.133	-0.15829
11	9	-26	0.9	0.60524	2.10576	-1.53671	1.65166	0.3126	1.61518	0.07885	1.42874	0.02683
12	9	-26	1.9	0.86943	2.01921	-2.30047	1.39276	0.20181	1.36658	0.13051	0.87943	0.06307
13	9	-26	2.9	1.03326	2.15303	-2.68615	1.36653	0.25884	1.39558	-0.14631	0.76912	-0.22947
14	9	-26	3.9	1.0827	2.20796	-3.0602	1.39691	0.27398	1.44508	0.04438	1.03363	0.01177
15	9	-25	3.9	1.05936	2.03618	-2.99148	1.42616	0.20415	1.45885	0.01272	0.99978	0.09226
16	9	-25	2.9	1.0214	2.16401	-2.50156	1.51575	0.33323	1.57602	-0.18199	1.17473	-0.10829
17	9	-25	1.9	0.74581	2.25826	-2.11484	1.51139	0.38229	1.52658	0.00284	1.26597	-0.00305
18	9	-25	0.9	0.44312	2.18386	-1.65965	1.60592	0.34652	1.55738	0.13182	1.49739	0.06922
19	9	-25	-0.1	0.2885	2.20894	-1.17106	1.5546	0.26603	1.53634	3.78733E-4	1.50904	0.0298
20	9	-24	-1.1	0.22301	2.23552	-0.72496	1.71473	0.38961	1.7027	0.28378	1.38389	0.06694
21	9	-24	-0.1	0.17676	2.24494	-1.13592	1.67498	0.29675	1.59726	0.03319	1.41515	0.01176
22	9	-24	0.9	0.42146	2.25615	-1.57513	1.61336	0.51316	1.57798	0.0426	1.5321	-0.00576
23	9	-24	1.9	0.86659	2.27814	-2.1101	1.55593	0.45281	1.53493	-0.03167	1.17958	-0.1202
24	9	-24	2.9	1.06449	2.20874	-2.4876	1.45933	0.37822	1.48958	-0.24838	1.00517	-0.20085
25	9	-24	3.9	1.01793	2.12326	-3.0123	1.43791	0.228	1.4745	-0.06577	0.86905	0.00213
26	9	-23	3.9	0.99384	2.19466	-3.02645	1.46459	0.29734	1.48822	3.63318E-4	1.01233	-0.03731
27	9	-23	2.9	0.9662	2.2975	-2.52416	1.48111	0.44596	1.58638	-0.02553	1.06932	0.10393
28	9	-23	1.9	0.7811	2.25144	-2.03791	1.59785	0.61555	1.63183	0.04988	1.27158	0.05818
29	9	-23	0.9	0.35285	2.22907	-1.535	1.63459	0.54865	1.63482	-0.06989	1.46894	-0.02361
30	9	-23	-0.1	0.25227	2.09863	-1.1085	1.69189	0.46228	1.61642	-0.05073	1.57808	0.03213
31	9	-23	-1.1	0.09754	2.14439	-0.74135	1.71587	0.44946	1.69648	-0.13688	1.4706	-0.14928
32	9	-23	-2.1	-0.05169	2.00419	-0.45604	1.70848	0.45216	1.73572	-0.14799	1.305	0.07789
33	9	-22	-3.1	0.0045	2.02687	-0.32147	1.87955	0.46353	1.86109	-0.1063	1.5867	0.13516
34	9	-22	-2.1	-0.0418	2.11989	-0.61322	1.7122	0.48974	1.70132	0.03584	1.31717	0.07631
35	9	-22	-1.1	-0.03488	2.13365	-0.81609	1.74274	0.46825	1.77772	0.16924	1.36541	0.21534
36	9	-22	-0.1	0.24501	2.10549	-1.17499	1.67306	0.57679	1.59175	0.16603	1.42089	0.10222
37	9	-22	0.9	0.56925	2.22961	-1.52143	1.57187	0.7158	1.62416	-0.3336	1.29637	-0.18162
38	9	-22	1.9	0.64881	2.38495	-2.19634	1.55245	0.52474	1.52631	0.25075	1.10274	0.05666
39	9	-22	2.9	0.95033	2.22761	-2.48588	1.56341	0.59372	1.59834	-0.12562	0.94823	-0.20913
40	9	-22	3.9	0.90263	2.15527	-2.98997	1.48349	0.44793	1.49628	-0.02747	0.94505	-0.01959
41	9	-21	3.9	0.84553	2.29596	-2.8658	1.54933	0.5775	1.58767	0.10167	0.89342	0.01697
42	9	-21	2.9	0.85297	2.23429	-2.46588	1.69215	0.87868	1.65523	-0.09149	1.17843	-0.10106
43	9	-21	1.9	0.5979	2.16552	-2.15678	1.6232	0.8476	1.60429	-0.07324	0.96749	-0.13903
44	9	-21	0.9	0.31677	2.1906	-1.83066	1.60234	0.70955	1.64401	-0.0249	1.11795	-0.10779

45	9	-21	-0.1	0.05174	2.13069	-1.19542	1.80352	0.8335	1.72081	-0.06996	1.47695	0.36626
46	9	-21	-1.1	0.01413	2.07375	-0.69274	1.67912	0.7413	1.63849	0.02886	1.11505	0.20345
47	9	-21	-2.1	-0.04753	2.01498	-0.57705	1.71509	0.60586	1.69212	-0.06956	1.31513	0.19466
48	9	-21	-3.1	-0.18475	1.86579	-0.47524	1.79304	0.61864	1.75944	-0.04057	1.39659	0.19088
49	9	-20	-4.1	-0.27162	1.98276	-0.19639	1.75811	0.70921	1.71005	-0.2868	1.222	0.16539
50	9	-20	-3.1	-0.16075	2.0565	-0.31695	1.75793	0.71973	1.7968	-0.02078	1.27076	0.51646
51	9	-20	-2.1	-0.07368	2.05083	-0.72988	1.86448	0.69689	1.75517	-0.02763	1.35426	0.04084
52	9	-20	-1.1	0.02449	2.09713	-0.9533	1.79141	0.85683	1.71136	-0.08223	1.35993	0.01205
53	9	-20	-0.1	0.06507	2.25553	-1.43501	1.74625	0.83643	1.71167	-0.17023	0.979	0.06776
54	9	-20	0.9	0.36621	2.2199	-1.84237	1.73401	0.9394	1.67156	-0.06527	1.37044	-0.03502
55	9	-20	1.9	0.59899	2.16604	-2.1296	1.65634	1.077	1.75898	-0.01318	1.05522	-0.11754
56	9	-20	2.9	0.64699	2.22066	-2.47388	1.69589	0.98466	1.72604	0.07843	1.11519	-0.02736
57	9	-20	3.9	0.87991	2.28766	-2.84683	1.55101	0.80955	1.57665	0.00994	0.70701	-0.03766
58	9	-19	3.9	0.93411	2.33924	-2.72762	1.5984	0.93875	1.59343	-0.06874	0.85297	-0.29182
59	9	-19	2.9	0.85445	2.01188	-2.51222	1.69266	1.13356	1.71362	0.22799	1.12884	0.13751
60	9	-19	1.9	0.58544	2.21133	-2.28869	1.8681	1.20489	1.75892	0.04685	1.34313	-0.19366
61	9	-19	0.9	0.14321	2.22052	-1.7625	1.9669	1.21929	1.86337	-0.17395	1.55773	-0.11327
62	9	-19	-0.1	0.10791	1.92175	-1.39945	1.91221	1.14817	1.7826	0.1101	1.36979	0.14271
63	9	-19	-1.1	-0.15563	1.96812	-0.96041	1.91318	1.02226	1.97086	-0.0824	1.74874	-0.00482
64	9	-19	-2.1	-0.18366	1.77342	-0.59737	1.98957	1.03013	1.8656	-0.17726	1.28995	-0.10169
65	9	-19	-3.1	-0.00895	1.92217	-0.58975	1.91242	0.76338	1.69975	-0.37818	1.3943	0.05043
66	9	-19	-4.1	-0.09825	1.87782	-0.51728	1.83036	0.74272	1.87227	-0.09057	1.41298	0.35954
67	9	-19	-5.1	-0.19049	2.11754	-0.25874	1.95548	0.88849	1.88516	0.01392	1.00137	0.26037
68	9	-18	-6.1	-0.21137	2.1126	-0.38577	2.10034	1.10215	1.97079	0.0949	1.48062	0.55787
69	9	-18	-5.1	-0.21	2.11434	-0.31601	2.01081	0.94321	2.09731	-0.01445	1.80334	0.1049
70	9	-18	-4.1	-0.33459	1.80691	-0.41802	2.11052	1.00939	2.11501	-0.31942	1.89834	0.03858
71	9	-18	-3.1	-0.24016	1.81738	-0.67678	1.95519	0.97197	1.97683	-0.04578	1.54596	-4.76073E-4
72	9	-18	-2.1	-0.16438	1.9726	-0.86387	1.96282	1.22402	1.93209	-0.10939	1.71088	-0.00146
73	9	-18	-1.1	-0.18622	2.03108	-1.39846	1.99816	1.3105	1.92423	0.10179	1.44701	0.26583
74	9	-18	-0.1	0.01756	2.05909	-1.70902	2.01799	1.59657	1.93747	-0.05291	1.32232	-0.03819
75	9	-18	0.9	0.18413	2.13384	-2.15536	1.90194	1.50807	1.90232	0.26957	1.01567	-0.0328
76	9	-18	1.9	0.40131	2.15972	-2.2165	1.8919	1.56269	1.93426	0.11946	1.34075	-0.16418
77	9	-18	2.9	0.83485	2.03068	-2.35696	1.64223	1.39145	1.80492	-0.03319	0.76074	-0.41745
78	9	-18	3.9	0.93774	2.22064	-2.57676	1.68974	1.05469	1.76958	0.23653	1.30604	-0.18367
79	9	-17	3.9	0.82897	2.22883	-2.48766	1.72034	1.22568	1.7919	0.32215	0.95116	0.00734
80	9	-17	2.9	0.68348	2.24076	-2.23818	1.86689	1.5687	1.88137	-0.03269	1.246	-0.15801
81	9	-17	1.9	0.40669	2.12504	-2.1419	1.93025	1.79624	1.9744	0.05858	1.45659	-0.26354
82	9	-17	0.9	0.18286	2.19774	-2.14487	1.98189	1.87911	2.01233	-0.1522	1.23781	-0.11597
83	9	-17	-0.1	-0.15416	2.09026	-1.96966	2.04793	1.96149	1.97386	0.19976	1.05623	0.15351
84	9	-17	-1.1	-0.30464	2.21782	-1.63617	2.0088	1.82796	1.95728	0.02996	0.94447	0.06095
85	9	-17	-2.1	-0.36467	2.14173	-1.27944	2.19271	1.64261	2.01904	0.10883	1.51499	0.02022
86	9	-17	-3.1	-0.36336	2.22673	-0.9555	1.99275	1.51783	1.91667	0.20791	0.96768	0.21462
87	9	-17	-4.1	-0.35647	2.01122	-0.63351	2.06394	1.2613	1.99744	-0.11135	1.55511	0.40558
88	9	-17	-5.1	-0.32406	2.0559	-0.4219	1.95849	1.44216	2.05841	-0.22855	0.81833	0.35287
89	9	-17	-6.1	-0.31074	2.00049	-0.5193	1.9956	1.4362	2.09133	-0.32857	1.26905	0.19736
90	9	-17	-7.1	-0.20427	2.09197	-0.52911	2.00863	1.63394	2.05526	-0.47524	0.83794	0.10414
91	9	-16	-7.1	-0.25235	2.1859	-0.6622	1.99023	2.22673	2.27446	-0.43828	0.62473	0.55461
92	9	-16	-6.1	-0.4866	2.29343	-0.46102	2.1062	1.76522	2.19812	0.1656	1.59824	0.37476
93	9	-16	-5.1	-0.49946	2.17839	-0.39739	2.04996	1.64044	2.02698	0.30155	0.90529	0.58485
94	9	-16	-4.1	-0.67738	2.21567	-0.95631	2.29275	1.80001	2.04265	0.43152	0.66979	-0.37444
95	9	-16	-3.1	-0.67382	2.14579	-1.45964	2.39485	2.04364	2.22273	0.458	1.07415	0.08427
96	9	-16	-2.1	-0.47052	2.06889	-1.72479	2.2002	2.28816	2.08676	0.4631	0.68851	-0.27735
97	9	-16	-1.1	-0.29109	2.23868	-2.05029	2.31243	2.57191	2.04745	0.12326	0.82954	0.0079

98	9	-16	-0.1	-0.23823	2.12448	-2.18446	2.19288	2.44264	2.02556	0.04488	0.7143	-0.28578
99	9	-16	0.9	-0.02358	2.11902	-2.191	2.07075	2.36958	2.04579	-0.03472	0.94732	-0.14025
100	9	-16	1.9	0.20066	2.08214	-2.19436	1.97886	2.13597	2.11976	0.22624	1.51795	0.27532
101	9	-16	2.9	0.64799	2.19448	-2.28475	1.82383	1.73039	1.98062	0.19996	1.38081	-0.17831
102	9	-16	3.9	0.78254	2.30259	-2.34562	1.86269	1.38125	1.88398	5.1585E-4	1.62763	-0.32671
103	9	-15	3.9	0.58086	2.19408	-2.40003	1.68396	1.4713	1.81705	-5.73289E-4	0.98167	0.19105
104	9	-15	2.9	0.36455	2.26793	-2.27454	1.75816	1.98051	1.85152	0.17669	0.89821	-0.02062
105	9	-15	1.9	0.43609	2.27038	-2.04285	1.96587	2.42614	2.04401	0.06941	1.17602	-0.00886
106	9	-15	0.9	0.13115	2.26833	-2.15232	2.09758	2.72009	2.18351	0.01017	1.2236	-0.03261
107	9	-15	-0.1	-0.14188	2.26477	-2.12947	2.21484	2.9239	2.12726	0.41377	1.1293	-0.26418
108	9	-15	-1.1	-0.47201	2.16	-2.31562	2.30976	3.07738	2.25832	0.01694	1.13011	-0.29215
109	9	-15	-2.1	-0.52084	2.18072	-2.12023	2.35208	2.95676	2.20976	0.05405	0.44074	-0.4375
110	9	-15	-3.1	-0.82824	2.07839	-2.03432	2.45735	2.88416	2.30329	0.57693	0.4263	-0.41708
111	9	-15	-4.1	-1.01946	2.15768	-1.50528	2.45787	2.6278	2.20192	0.5239	0.38931	-0.02159
112	9	-15	-5.1	-0.958	2.21496	-0.82465	2.40997	2.17228	2.25522	0.8397	0.91477	0.04584
113	9	-15	-6.1	-0.96793	2.44494	-0.2809	2.2448	1.86044	2.29322	0.6387	1.17355	0.43688
114	9	-15	-7.1	-0.52625	2.43046	0.07169	2.17929	1.83853	2.57059	-0.3372	1.25719	0.96645
115	9	-15	-8.1	-0.22546	2.31769	-1.11359	2.26247	3.04304	2.57921	-0.44622	0.58009	1.00344
116	9	-14	-6.1	-1.72213	2.39415	-0.67745	2.9466	2.03641	2.30047	1.60131	0.38072	-0.52989
117	9	-14	-5.1	-1.48216	2.15294	-1.91969	2.85182	2.90145	2.2834	1.35163	0.59381	-0.54383
118	9	-14	-4.1	-1.11193	2.25875	-2.293	2.76664	3.3992	2.24185	0.64594	0.38353	-0.21586
119	9	-14	-3.1	-0.85032	2.12819	-2.6374	2.45915	3.4889	2.34397	-0.09392	0.63806	-0.47135
120	9	-14	-2.1	-0.50908	2.30324	-2.71052	2.34931	3.61061	2.32885	0.19192	0.59498	0.40496
121	9	-14	-1.1	-0.24778	2.33728	-2.36514	2.32907	3.53806	2.26239	-0.00425	0.87185	0.26799
122	9	-14	-0.1	-0.14962	2.3845	-2.27016	2.24977	3.13086	2.19121	-0.28133	1.23117	-0.39106
123	9	-14	0.9	-0.19213	2.19169	-2.15188	2.11162	2.72756	2.11809	-0.15613	1.45882	-0.05136
124	9	-14	1.9	0.21161	2.22991	-1.97552	2.0416	2.57999	2.11025	0.20496	1.57013	0.19864
125	9	-14	2.9	0.314	2.00958	-2.12907	2.00563	2.21496	2.03873	0.35072	1.31308	0.07971
126	9	-14	3.9	0.44444	2.18845	-2.46314	1.88931	1.73807	1.77977	0.20162	0.84077	-0.18947
127	9	-13	3.9	0.3627	2.1569	-2.45202	1.95063	2.01518	2.04085	0.11809	1.13099	-0.09518
128	9	-13	2.9	0.04458	2.14277	-2.15693	2.09833	2.43294	2.10026	0.20839	1.30545	-0.2138
129	9	-13	1.9	-0.01306	2.17923	-1.9177	2.18403	2.80633	2.16708	0.1983	1.4529	0.12932
130	9	-13	0.9	-0.25269	2.11057	-1.9455	2.09207	2.99757	2.10596	-0.00891	1.46941	0.06121
131	9	-13	-0.1	-0.29059	2.26546	-1.95521	2.15751	3.24278	2.22097	-0.0046	1.18708	0.46329
132	9	-13	-1.1	-0.40126	2.15738	-2.25471	2.24923	3.53413	2.36376	0.00233	1.31234	0.39482
133	9	-13	-2.1	-0.48115	2.09261	-2.57715	2.50809	3.89939	2.50054	-0.08179	0.90887	0.25563
134	9	-13	-3.1	-0.76127	2.1677	-2.92198	2.47144	4.38556	2.4964	-0.24936	0.68404	0.15439
135	9	-13	-4.1	-0.75554	2.30446	-3.20224	2.71966	4.26995	2.38872	0.40894	0.03976	-0.06018
136	9	-13	-5.1	-0.95705	2.30534	-3.53394	2.93628	4.2104	2.3653	0.27232	0.2747	-0.31955
137	9	-13	-6.1	-1.26319	2.50103	-2.59209	3.13587	3.4411	2.59789	1.17489	-0.13714	-0.62042
138	9	-12	-6.1	0.72253	3.95552	-3.88673	2.9732	4.20212	2.78447	0.73207	1.50773	-0.23492
139	9	-12	-5.1	-0.43219	2.21841	-3.73641	2.52623	5.44564	2.49688	-0.52141	0.58258	0.53209
140	9	-12	-4.1	-0.57697	2.06526	-3.57617	2.45207	5.08022	2.38207	-0.2521	0.71895	0.56927
141	9	-12	-3.1	-0.73636	2.00022	-2.95246	2.39014	4.45107	2.47467	-0.50838	1.03819	0.50522
142	9	-12	-2.1	-0.62188	2.13455	-2.17803	2.2999	3.87233	2.57136	0.11872	1.57546	0.58682
143	9	-12	-1.1	-0.64989	2.15653	-1.99977	2.24973	3.55916	2.2763	-0.09049	1.51911	0.6889
144	9	-12	-0.1	-0.48089	2.252	-2.01144	2.24821	3.31916	2.16053	0.19357	1.41454	-0.02384
145	9	-12	0.9	-0.27571	2.18328	-2.01729	2.26941	3.15084	2.12114	0.05441	0.94289	0.29637
146	9	-12	1.9	-0.24537	2.1778	-2.04835	2.15823	3.1308	2.09749	0.17418	1.12487	0.03798
147	9	-12	2.9	0.04064	2.18682	-2.26142	2.05809	2.88285	2.07638	0.2693	1.11976	-0.10384
148	9	-12	3.9	0.11421	2.30395	-2.39436	2.05009	2.52714	2.14487	0.33332	1.1583	-0.09566
149	9	-11	3.9	0.12548	2.12419	-2.2851	2.06802	2.97173	2.21229	0.19583	1.28247	-0.13811
150	9	-11	2.9	0.10797	2.19916	-2.27904	2.1939	3.33927	2.2971	0.22582	1.24249	0.12964

151	9	-11	1.9	-0.34518	2.14321	-2.29153	2.30183	3.56421	2.23385	0.17984	1.30466	-0.29146
152	9	-11	0.9	-0.49424	2.24582	-2.20228	2.29742	3.78704	2.1673	0.23705	0.89121	0.09337
153	9	-11	-0.1	-0.60064	2.13015	-1.9825	2.25271	3.86121	2.25387	0.31625	1.18653	0.11141
154	9	-11	-1.1	-0.66711	2.33189	-2.08856	2.32659	3.62807	2.22155	-0.12278	1.54167	-0.23245
155	9	-11	-2.1	-0.84816	2.23031	-1.92006	2.2042	3.798	2.35508	-0.02497	1.67922	0.35343
156	9	-11	-3.1	-0.65843	2.33709	-2.11057	2.28266	4.25772	2.4668	0.11188	1.88502	0.49596
157	9	-11	-4.1	-0.37272	2.29937	-2.96006	2.3302	4.62692	2.60122	-0.17981	1.61521	0.44507
158	9	-11	-5.1	-0.22964	2.32938	-3.50093	2.44845	5.50828	2.47646	0.07647	1.02648	0.54801
159	9	-11	-6.1	0.06029	2.2224	-3.53965	2.43037	5.77389	2.51085	-0.13811	1.24704	-0.00846
160	9	-11	-7.1	0.16723	2.0794	-3.28043	2.38691	5.40719	2.32224	-0.08095	1.14247	0.24321
161	9	-11	-8.1	-0.55116	2.08488	-3.45852	2.42195	4.89219	2.282	-0.04663	1.03713	0.41248
162	9	-10	-9.1	-0.85856	2.18942	-4.2926	2.44626	5.47214	2.30324	0.06586	1.17241	0.1624
163	9	-10	-7.1	-0.34155	2.18593	-3.9893	2.55036	5.75427	2.42198	0.17032	1.02028	-0.17064
164	9	-10	-6.1	-0.24003	2.36317	-3.32031	2.39825	5.48582	2.70427	-0.27133	1.17654	0.5312
165	9	-10	-5.1	-0.5506	2.42984	-2.52839	2.36579	4.67231	2.70167	0.06426	2.1441	0.77741
166	9	-10	-4.1	-0.89091	2.51102	-1.98841	2.38034	3.96251	2.55909	0.09517	2.58507	-0.0343
167	9	-10	-3.1	-0.91771	2.41862	-1.80409	2.28183	3.81509	2.33316	0.24553	1.98416	-0.17411
168	9	-10	-2.1	-0.87035	2.3586	-2.05534	2.29345	4.00981	2.26377	0.43216	1.53689	-0.06689
169	9	-10	-1.1	-0.90745	2.21293	-2.33291	2.42233	4.28569	2.29968	0.2866	1.3486	-0.30357
170	9	-10	-0.1	-0.61134	2.25987	-2.39735	2.42015	4.38912	2.22912	0.34067	1.19034	-0.2144
171	9	-10	0.9	-0.54065	2.18123	-2.1969	2.32375	4.53947	2.29453	0.49153	0.94001	0.11027
172	9	-10	1.9	-0.35449	2.13561	-2.21865	2.39798	4.50118	2.37441	-0.31041	1.32626	-0.2334
173	9	-10	2.9	-0.03363	2.1765	-2.24942	2.21173	3.78495	2.33952	0.13251	1.3745	-0.13675
174	9	-10	3.9	0.08038	2.17563	-2.03603	2.18343	3.05719	2.26138	0.2592	1.37525	-0.2648
175	9	-9	3.9	0.1597	2.23205	-1.94147	2.11663	3.14902	2.36478	0.35972	1.24948	-0.04643
176	9	-9	2.9	-0.32626	2.29936	-1.99705	2.01312	4.03935	2.35827	0.64046	1.26814	1.14777
177	9	-9	1.9	-0.34673	2.24535	-2.29416	2.28828	4.54779	2.50169	0.34219	1.58247	0.08555
178	9	-9	0.9	-0.56033	2.14794	-2.62712	2.33808	4.96479	2.48284	-0.00416	1.42063	-0.0744
179	9	-9	-0.1	-0.48267	2.24033	-2.72138	2.4918	5.18983	2.43295	0.39793	1.62483	-0.12929
180	9	-9	-1.1	-0.72059	2.3218	-2.71966	2.4886	5.13418	2.32264	0.27698	1.09966	-0.15936
181	9	-9	-2.1	-0.65405	2.39975	-2.6433	2.50695	4.79538	2.28593	0.30891	1.30163	-0.39659
182	9	-9	-3.1	-0.70851	2.44969	-2.17758	2.78745	4.2292	2.32527	0.51448	1.74489	0.22965
183	9	-9	-4.1	-0.79492	2.48465	-1.501	2.62553	3.74372	2.31385	-0.0917	2.09232	-0.39126
184	9	-9	-5.1	-0.6734	2.81481	-1.22974	2.57046	3.36986	2.71692	0.23556	2.627	0.24943
185	9	-9	-6.1	-0.48597	2.77802	-1.65694	2.38005	4.17711	3.21853	-0.4214	2.34388	0.55063
186	9	-9	-7.1	-0.45552	2.2773	-4.18093	2.60208	6.35854	2.687	-0.02956	0.6695	0.21902
187	9	-9	-8.1	-0.61367	2.15388	-4.76711	2.30946	6.06116	2.41521	0.03878	0.91218	0.20097
188	9	-8	-10.1	-0.76704	2.27838	-4.5343	2.40325	6.11771	2.30834	0.23053	1.07083	0.12275
189	9	-8	-6.1	-0.78591	2.79505	-0.22955	3.19658	1.34307	2.5741	0.32692	0.8926	0.11382
190	9	-8	-5.1	-0.59033	2.65284	-1.9992	3.11557	3.47669	2.50359	0.79124	0.5976	-0.70937
191	9	-8	-4.1	-0.59582	2.39592	-2.50452	3.00988	4.96943	2.44707	0.64579	0.32821	-0.22731
192	9	-8	-3.1	-0.51639	2.27198	-2.9149	2.86105	5.57786	2.6068	0.78003	0.9022	-0.63491
193	9	-8	-2.1	-0.87292	2.11939	-3.11546	2.55531	6.00938	2.36922	0.15493	1.39165	-0.19146
194	9	-8	-1.1	-0.72953	2.11657	-2.94617	2.39901	5.68047	2.43832	0.11615	1.03434	0.17201
195	9	-8	-0.1	-0.64849	2.10071	-2.74771	2.36447	5.53038	2.57446	0.3098	1.77727	0.12363
196	9	-8	0.9	-0.46545	2.0517	-2.61978	2.29629	5.15505	2.53956	0.03687	1.46303	0.12834
197	9	-8	1.9	-0.27181	2.22675	-1.54299	1.92275	4.21051	2.30585	0.21475	0.95153	0.46436
198	9	-8	2.9	-0.23085	1.86441	-1.28628	1.84136	3.61198	2.3045	0.17802	0.68632	0.17073
199	9	-8	3.9	-0.0641	1.87978	-0.78116	1.68239	2.95606	2.10773	-0.09179	0.10299	-0.18944
200	9	-7	3.9	-0.1079	1.86051	-0.84264	1.80809	2.79794	2.14537	-0.02731	0.34156	-0.20466
201	9	-7	2.9	-0.25413	1.88255	-1.12025	1.99776	3.537	2.2311	0.23159	1.0659	0.15521
202	9	-7	1.9	-0.36031	2.16115	-1.27121	2.04064	4.32943	2.36682	0.09317	0.86438	-0.29872
203	9	-7	0.9	-0.69082	1.95234	-1.69396	2.03013	5.0284	2.27938	0.10374	1.08206	0.0378

204	9	-7	-0.1	-0.6907	2.06437	-1.90532	2.11708	5.09407	2.41536	0.0811	1.23153	-0.27537
205	9	-7	-1.1	-0.5198	2.02818	-2.10952	2.01752	5.44592	2.37593	0.20749	0.80324	-0.54699
206	9	-7	-2.1	-0.56678	2.12248	-2.14607	2.07166	5.82451	2.44188	0.25917	0.84353	-0.55538
207	9	-7	-3.1	-0.6678	2.07248	-2.42749	2.43865	5.89993	2.42391	0.56205	0.82756	-0.3967
208	9	-7	-4.1	-0.60046	2.17062	-2.58484	2.49662	6.15443	2.39477	0.53665	0.66516	-0.15749
209	9	-7	-5.1	-0.53289	2.32124	-2.13835	2.60112	6.05886	2.68095	0.19001	-0.46717	-0.08623
210	9	-7	-6.1	-0.74908	2.21949	-2.3331	2.88791	5.9071	2.96558	0.33207	-1.6861	-0.68845
211	9	-6	-8.1	-0.14587	2.16917	-1.99268	2.58356	6.32345	2.45468	0.45561	0.35549	-0.68262
212	9	-6	-7.1	-0.29478	2.12343	-2.08018	2.28627	6.89104	2.35464	0.28293	0.9588	-0.62718
213	9	-6	-6.1	-0.4881	1.98516	-2.43598	2.29935	6.66223	2.32107	0.32923	1.018	-0.31235
214	9	-6	-5.1	-0.29911	2.14882	-2.36982	2.23275	6.41759	2.42961	0.3452	0.82315	-0.39331
215	9	-6	-4.1	-0.35816	1.90833	-2.36968	2.33223	5.90123	2.49855	0.49265	0.88622	-0.81553
216	9	-6	-3.1	-0.37075	2.23284	-2.14677	2.24181	5.95202	2.43747	0.25118	0.41303	-0.22365
217	9	-6	-2.1	-0.34706	2.08107	-2.09535	2.07018	5.69994	2.50683	0.23438	1.08532	-0.06702
218	9	-6	-1.1	-0.46271	2.13182	-1.65378	2.12981	5.54054	2.43224	0.1849	0.67923	-0.22071
219	9	-6	-0.1	-0.4133	2.12066	-1.57539	2.00373	5.08127	2.49538	-0.18842	1.08664	-0.48054
220	9	-6	0.9	-0.23632	2.26515	-1.48952	1.91267	4.44761	2.2569	0.14988	0.96275	-0.80609
221	9	-6	1.9	-0.1978	2.0985	-1.09804	1.91291	4.17059	2.34016	0.07694	0.97119	-0.05274
222	9	-6	2.9	-0.11069	1.96392	-0.73912	1.95751	3.32869	2.37676	0.15899	0.36061	-0.37583
223	9	-6	3.9	-4.20272E-4	2.01197	-0.57466	1.86375	2.8891	2.26203	0.26533	0.48205	-0.09507
224	9	-5	3.9	-0.23419	1.95895	-0.10053	1.80934	2.12204	2.24339	0.06559	0.34839	-0.17322
225	9	-5	2.9	-0.22732	2.20538	-0.79062	2.16614	3.26888	2.60894	0.45663	1.36849	-0.10558
226	9	-5	1.9	-0.21682	2.18403	-0.99015	2.09843	3.60769	2.61453	0.40907	1.71998	0.07775
227	9	-5	0.9	-0.19571	2.28382	-1.15756	2.1669	4.1427	2.50836	0.27488	1.16662	-0.27302
228	9	-5	-0.1	-0.11964	2.20191	-1.43801	2.39996	4.51666	2.54776	0.21131	2.36237	-0.69008
229	9	-5	-1.1	0.06981	2.23799	-1.65732	2.30788	4.59874	2.58869	0.45602	1.66782	-0.46894
230	9	-5	-2.1	-0.12415	2.18741	-1.83909	2.32448	5.00983	2.69388	0.43444	1.39657	-0.43057
231	9	-5	-3.1	-0.01757	2.17284	-2.05462	2.44353	5.17626	2.77957	0.15082	1.64782	-0.60806
232	9	-5	-4.1	0.0113	2.28176	-2.32686	2.54706	5.66936	2.81331	0.25073	1.6524	-0.47569
233	9	-5	-5.1	0.01377	2.30999	-2.60325	2.50099	5.98109	2.6497	0.62967	1.51841	-0.60596
234	9	-5	-6.1	-0.01215	2.26589	-2.74518	2.54326	5.94346	2.88942	0.42011	1.21142	-0.97222
235	9	-5	-7.1	-0.26681	2.37664	-2.8729	2.61619	6.18129	2.75183	0.51749	1.24638	-0.64211
236	9	-5	-8.1	-0.1467	2.38965	-2.85658	2.68084	6.08237	2.75732	0.9855	0.84492	-0.67017
237	9	-4	-7.1	0.09459	2.32604	-2.56229	2.59978	6.49363	2.72915	0.6113	0.9796	-0.7169
238	9	-4	-6.1	0.28582	2.37497	-2.50648	2.54288	6.09825	2.84895	0.24614	1.238	-0.83441
239	9	-4	-5.1	0.29068	2.37517	-2.40031	2.43556	5.80693	2.79488	0.39169	1.03595	-0.98617
240	9	-4	-4.1	0.32525	2.25207	-2.17511	2.47191	5.34712	2.77888	1.08465	1.29534	-0.55183
241	9	-4	-3.1	0.39118	2.3032	-1.85741	2.4877	5.03124	2.63625	0.68653	1.24544	-0.58127
242	9	-4	-2.1	0.47082	2.23324	-1.82928	2.51369	4.68166	2.73638	0.61188	1.87305	-0.6839
243	9	-4	-1.1	0.09768	2.28143	-1.36265	2.2401	4.47189	2.74632	0.30429	1.84004	-0.35413
244	9	-4	-0.1	0.05245	2.151	-1.26881	2.38877	4.10186	2.63621	0.45344	1.75151	-0.09995
245	9	-4	0.9	0.0854	2.15901	-0.86169	2.31899	3.69578	2.69979	0.2511	2.1702	-0.33115
246	9	-4	1.9	-0.10784	2.21348	-0.71815	2.1858	3.56964	2.6027	0.11391	1.64904	-0.4971
247	9	-4	2.9	-0.23815	2.15095	-0.59404	2.17547	2.59822	2.47102	0.10114	1.35097	-0.43297
248	9	-4	3.9	-0.4391	2.0457	-0.28837	2.28908	1.91309	2.81376	0.25662	1.26819	-0.01525
249	9	-3	3.9	-0.44728	2.32504	-0.10257	2.3471	1.75657	2.66023	0.21994	0.43491	-0.41532
250	9	-3	2.9	-0.1759	2.09111	-0.35821	2.4234	2.47603	2.68801	0.21761	1.37049	-0.32577
251	9	-3	1.9	0.14613	2.19977	-0.56784	2.28447	2.90224	2.62627	1.02692	1.29548	-0.67371
252	9	-3	0.9	0.40207	2.33124	-0.84399	2.32446	3.62337	2.7388	0.30887	1.64961	-0.70579
253	9	-3	-0.1	0.17418	2.22667	-1.04009	2.33215	4.01575	2.63281	0.33581	1.26687	-1.12854
254	9	-3	-1.1	0.51119	2.27211	-1.29703	2.26168	4.22576	2.65939	0.38862	1.10207	-0.43143
255	9	-3	-2.1	0.56354	2.30015	-1.5712	2.2801	4.48878	2.72453	0.86104	1.28498	-0.40822
256	9	-3	-3.1	0.48854	2.43376	-1.75211	2.56593	5.17986	2.91691	0.85807	1.38985	-0.56933

257	9	-3	-4.1	0.6343	2.44561	-2.22485	2.72666	5.10681	2.86502	0.64923	2.02403	-0.62212
258	9	-3	-5.1	0.4039	2.25194	-2.26099	2.5892	5.93459	2.87221	0.61404	1.16729	-0.47909
259	9	-3	-6.1	0.39094	2.27574	-2.44729	2.61555	6.20967	2.88774	0.23791	1.3759	-0.35271
260	9	-3	-7.1	0.20866	2.5627	-2.68003	2.71798	6.3582	2.94224	-0.02492	1.48166	-1.12078
261	9	-2	-6.1	0.54402	2.58804	-2.18408	2.71941	6.40435	3.09767	0.94931	1.49351	-0.09481
262	9	-2	-5.1	0.44895	2.48487	-1.8919	2.64304	5.89426	3.01194	0.8882	1.8819	-0.02889
263	9	-2	-4.1	0.50724	2.61806	-1.72451	2.43354	5.39932	2.88194	0.59838	1.25306	-1.19565
264	9	-2	-3.1	0.64698	2.43064	-1.39242	2.43593	5.02465	2.8983	0.61431	1.17533	-0.27227
265	9	-2	-2.1	0.50703	2.43405	-1.19529	2.36772	4.52865	2.8135	0.99635	1.25728	-0.86411
266	9	-2	-1.1	0.52992	2.24658	-1.29377	2.38519	4.27044	2.79947	0.42367	1.59889	-0.89507
267	9	-2	-0.1	0.46282	2.25987	-0.71949	2.39539	3.94985	2.81434	0.58542	1.03215	-1.11771
268	9	-2	0.9	0.42139	2.33448	-0.70899	2.44933	3.32032	2.69037	0.36908	1.20972	-0.4557
269	9	-2	1.9	0.08154	2.17664	-0.16741	2.21696	2.78996	2.7438	0.65708	1.03654	-0.42224
270	9	-2	2.9	-0.24532	2.25113	-0.04281	2.24427	2.12958	2.72318	0.42424	0.33184	-0.76851
271	9	-2	3.9	-0.40679	1.87346	0.26705	2.37757	1.29969	2.69085	0.38431	0.01029	-0.23363
272	9	-1	3.9	-0.64681	2.01903	0.40451	2.48689	1.66204	2.75309	0.16528	0.05763	0.34179
273	9	-1	2.9	-0.38563	2.15617	0.33412	2.29997	2.3081	2.56634	0.27924	0.331	-0.10928
274	9	-1	1.9	0.05527	2.33263	-0.15065	2.33058	3.02564	2.65079	0.57765	0.63688	-0.39383
275	9	-1	0.9	0.36217	2.54318	-0.12065	2.20672	3.65763	2.68077	0.73321	0.78693	-0.3171
276	9	-1	-0.1	0.3395	2.43696	-0.50548	2.27601	3.85837	2.55661	0.5982	0.89139	-0.87466
277	9	-1	-1.1	0.59059	2.21972	-0.82397	2.43893	4.50195	2.77541	0.7129	1.19909	-0.72098
278	9	-1	-2.1	0.70678	2.40509	-0.96868	2.50576	4.91291	2.83807	0.78539	1.39099	-1.12725
279	9	-1	-3.1	0.79625	2.53794	-1.16213	2.49183	5.11246	2.9234	0.94921	1.12465	-0.56478
280	9	-1	-4.1	0.4301	2.41788	-1.41886	2.55881	5.55915	3.00848	0.80609	1.35784	-0.49124
281	9	-1	-5.1	0.57455	2.53053	-1.56679	2.6912	6.21205	2.93736	0.70538	1.65694	-0.47322
282	9	0	-4.1	0.52016	2.54208	-1.15897	2.6636	5.96515	3.06941	0.75082	1.91139	-0.37355
283	9	0	-3.1	0.52211	2.60786	-0.8816	2.56338	5.48615	2.97034	0.47869	1.72676	-0.09697
284	9	0	-2.1	0.54106	2.34539	-0.74766	2.60786	4.92274	2.92953	0.52332	1.71437	-0.67771
285	9	0	-1.1	0.45795	2.48681	-0.43165	2.30698	4.44566	2.68509	0.46388	1.3079	-0.77589
286	9	0	-0.1	0.52474	2.54117	-0.35178	2.43321	3.96104	2.74197	0.59643	1.0852	-0.35685
287	9	0	0.9	0.36635	2.45079	-0.12297	2.3511	3.58685	2.74765	0.53959	1.19464	-0.20388
288	9	0	1.9	0.25459	2.36318	0.19857	2.39018	3.00078	2.54463	0.72215	0.61145	-0.27005
289	9	0	2.9	-0.26611	2.28869	0.26852	2.53086	2.32874	2.67808	0.44684	0.21188	-0.40791
290	9	0	3.9	-0.80772	2.04764	0.57904	2.50187	1.55716	2.83597	-0.00788	0.28506	-0.27584
291	9	1	3.9	-0.81671	2.01668	0.40718	2.27222	1.73558	2.776	0.13885	0.29388	0.31915
292	9	1	2.9	-0.23162	2.21889	0.23045	2.48814	2.64664	2.86454	0.69373	1.21867	-0.003
293	9	1	1.9	0.21714	2.42141	0.30595	2.3982	3.19834	2.67605	0.39817	0.86209	-0.53368
294	9	1	0.9	0.16007	2.35898	-0.05461	2.42572	3.86801	2.74031	0.61811	1.04296	-0.74243
295	9	1	-0.1	0.44131	2.4848	-0.39204	2.52908	4.25168	2.86674	0.83661	1.69311	-1.09352
296	9	1	-1.1	0.3622	2.44961	-0.27561	2.40692	4.83394	2.84872	0.62089	1.35398	-0.60051
297	9	1	-2.1	0.58052	2.42392	-0.26508	2.55709	5.01394	2.90124	0.46581	1.84115	-0.73986
298	9	1	-3.1	0.37942	2.57847	-0.62927	2.66274	5.58695	2.96564	0.29141	1.41967	-0.62175
299	9	2	-3.1	0.77092	2.08611	2.26129	3.4719	2.88976	3.25519	-1.78709	-1.4774	-0.1275
300	9	2	-2.1	0.4453	2.5014	-0.09696	2.58409	5.15609	3.05352	0.64489	1.61184	-0.95852
301	9	2	-1.1	0.63003	2.50839	-0.13638	2.59253	4.98007	3.02058	0.52071	1.99619	-0.73453
302	9	2	-0.1	0.40661	2.48889	-0.20545	2.3744	4.22365	2.88115	0.64136	1.37025	-1.06552
303	9	2	0.9	0.42327	2.50695	0.13312	2.63706	3.89955	2.7686	0.55785	1.68053	-0.64541
304	9	2	1.9	-0.02189	2.23437	0.18759	2.54249	3.32699	2.66327	0.29281	1.45059	-0.40501
305	9	2	2.9	-0.33713	2.02098	0.33927	2.44257	2.79231	2.71133	0.09561	0.55849	-0.35339
306	9	2	3.9	-0.74137	1.91119	0.35784	2.55657	2.19336	2.74239	-0.04494	0.70722	0.03882
307	9	3	3.9	-0.74271	1.99576	0.22105	2.53149	2.53397	2.69322	0.02676	0.93995	-0.15297
308	9	3	2.9	-0.27115	2.0787	0.33107	2.42183	3.35626	2.75332	0.20672	0.94464	0.31052
309	9	3	1.9	0.17663	2.20067	0.25403	2.5376	3.60164	2.83019	0.37862	1.89209	-0.51515

310	9	3	0.9	0.20753	2.23678	0.06043	2.60161	4.12019	2.87791	0.29208	1.80489	-0.5936
311	9	3	-0.1	0.53776	2.39136	-0.0613	2.50831	4.30731	2.87673	0.31278	1.92423	-0.5971
312	9	3	-1.1	0.54352	2.41549	0.13517	2.53937	4.66717	2.87975	0.55975	2.33529	-0.20384
313	9	4	-0.1	0.69843	2.5364	2.34118	3.21661	3.43415	2.99893	1.119	-4.16219	-0.23601
314	9	4	0.9	0.12636	2.36531	-0.10983	2.51201	4.28562	2.94793	0.30502	1.78364	-0.42482
315	9	4	1.9	0.04322	2.15105	0.25987	2.43769	4.13959	2.80191	0.01854	0.80263	-0.53252
316	9	4	2.9	-0.27778	2.31155	0.05575	2.50396	3.40984	2.64909	-0.04589	1.16207	-0.43553
317	9	4	3.9	-0.62171	2.30918	0.15469	2.3179	2.98877	2.59583	0.19051	0.82029	-0.23776
318	9	5	3.9	-0.59871	2.26691	-0.13215	2.35008	3.21992	2.77743	0.06324	1.30234	-0.68086
319	9	5	2.9	-0.27871	2.29099	0.1405	2.39763	4.00326	2.7561	0.44811	1.21033	-0.35928
320	9	5	1.9	-0.13462	2.40064	-0.04756	2.54841	4.55971	2.91118	0.29875	2.02113	-0.47348
321	9	5	0.9	0.01917	2.35921	0.14886	2.58829	4.82889	2.93169	0.30707	1.64045	-0.98554
322	9	6	0.9	-0.02465	2.58368	-0.08819	2.80395	5.12844	3.04343	0.61192	2.47004	-0.59053
323	9	6	1.9	-0.14607	2.26955	0.08768	2.59034	5.14581	2.89614	0.42901	1.94013	-0.72976
324	9	6	2.9	-0.38564	2.35212	-0.02873	2.60441	4.81267	2.85061	0.71943	1.87066	-0.29064
325	9	6	3.9	-0.58408	2.17786	0.19048	2.49903	3.92113	2.73965	-0.00467	1.19464	-0.29149
326	9	7	3.9	-0.55257	2.13099	0.29986	2.661	4.99339	2.77922	0.27903	1.65038	-0.56556
327	9	7	2.9	-0.50226	2.20872	-0.13989	2.69538	5.45586	3.00653	0.18934	2.25945	-0.92601
328	9	7	1.9	-0.49982	2.34617	-0.01978	2.76721	5.84795	2.87314	0.87813	2.42994	-0.84481
329	9	8	2.9	-0.57909	2.21758	0.07748	2.8291	7.24518	3.19927	1.15791	1.78216	-1.40528
330	9	8	3.9	-0.32658	2.27276	0.85251	2.78403	6.4653	3.37575	0.87768	2.80779	-0.32672
331	9	9	3.9	-0.11215	2.3953	0.92059	3.19117	3.97605	3.18164	0.78181	5.7688	0.45408

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	10	18.5	-6.9	7.22234	3.10183	8.26151	2.87415	6.68472	2.99855	0.98727	0.06517	-3.76221
2	10	17.5	-7.9	6.25119	3.14073	7.36502	2.41955	7.11188	3.06081	0.18275	0.50393	-2.44003
3	10	18.5	-7.9	5.88241	2.97017	8.07469	2.58587	7.46188	3.03982	0.54002	1.09981	-0.98158
4	10	19.5	-7.9	5.44709	2.66596	8.46035	2.70762	6.48683	3.16025	-0.16624	0.81005	-1.10922
5	10	20.5	-8.9	3.29883	2.88712	7.54845	2.89006	5.39856	3.57429	1.23334	-1.28417	-2.14807
6	10	19.5	-8.9	3.52766	2.99672	7.3483	2.79898	5.7341	3.33469	1.3245	-1.02719	-1.49892
7	10	18.5	-8.9	4.37056	3.32816	7.17705	2.69926	6.40862	3.6656	1.57916	-0.78931	-2.60105
8	10	17.5	-8.9	4.43295	3.36935	6.87356	2.73161	7.03183	3.68095	1.71767	-0.48843	-2.75515
9	10	16.5	-8.9	5.06066	3.66416	6.69512	2.57432	7.41896	3.62611	1.56708	0.69088	-3.07622
10	10	15.5	-9.9	4.40338	3.43965	5.60698	2.60759	7.43966	3.50595	2.16388	0.14572	-2.80647
11	10	16.5	-9.9	4.01222	3.2971	5.60952	2.86833	6.18001	3.77508	2.08191	-0.07299	-1.71105
12	10	17.5	-9.9	3.30163	3.29441	6.1381	2.81681	5.91405	3.70903	2.08055	-0.65713	-1.45244
13	10	18.5	-9.9	2.723	3.10936	6.33214	2.95454	5.08128	3.38083	1.6728	-0.4603	-1.7425
14	10	19.5	-9.9	2.35882	2.90285	6.49586	2.83589	4.77278	3.25611	1.63342	-0.97617	-1.49954
15	10	20.5	-9.9	1.92859	3.01551	6.33993	2.90452	4.24088	2.98132	1.71073	-1.00964	-0.14099
16	10	21.5	-9.9	1.55286	2.83047	6.19512	3.21242	3.86642	2.91137	2.06249	-2.52788	-0.81706
17	10	22.5	-10.9	0.33376	2.63514	4.70601	3.03809	2.38739	2.66604	1.68761	-1.60063	0.01299
18	10	21.5	-10.9	0.3763	2.50299	4.70613	2.8622	3.04083	2.65854	1.06879	-1.81409	0.14773

19	10	20.5	-10.9	0.76762	2.61783	5.03346	2.91716	3.38333	2.63008	0.84452	-1.70325	0.00352
20	10	19.5	-10.9	1.18376	2.58243	5.25719	2.61108	3.79279	2.66089	1.35141	-1.15279	-0.4235
21	10	18.5	-10.9	1.55711	2.80613	5.28598	2.84108	4.21135	2.78428	1.57779	-0.60935	-0.2586
22	10	17.5	-10.9	1.8583	2.82026	5.25121	2.69418	4.81764	2.99647	1.36546	-0.84597	-0.44655
23	10	16.5	-10.9	2.44372	2.97964	5.18726	2.80398	5.31191	3.11518	2.20252	0.05759	-0.806
24	10	15.5	-10.9	3.05016	3.2592	4.67626	2.68917	6.22034	3.37775	1.79992	0.50826	-0.98938
25	10	14.5	-10.9	4.03307	3.34962	4.35933	2.59186	7.01804	3.50897	1.58613	1.65129	-1.82285
26	10	13.5	-11.9	3.17362	3.47814	3.47037	2.61606	6.84236	3.19133	2.55155	0.99266	-0.53864
27	10	14.5	-11.9	2.53306	3.07405	4.00797	2.62991	6.01412	2.76016	2.23679	0.70196	-0.29146
28	10	15.5	-11.9	1.88859	2.93932	4.21753	2.83965	5.3109	2.81305	2.31295	0.73935	0.2351
29	10	16.5	-11.9	1.56985	2.8962	4.18005	2.68401	4.65788	2.62384	1.29139	-0.49392	0.60771
30	10	17.5	-11.9	1.1009	2.67157	4.34361	2.711	3.95205	2.44753	1.40507	-0.20649	0.02797
31	10	18.5	-11.9	0.89054	2.62958	4.29496	2.60769	3.5008	2.50014	1.10409	-0.68848	0.59161
32	10	19.5	-11.9	0.39136	2.49791	4.06053	2.87053	2.89992	2.26933	1.56748	-1.18262	0.58067
33	10	20.5	-11.9	-0.0446	2.49231	3.77602	2.83319	2.19234	2.29134	0.70527	-1.25379	0.30515
34	10	21.5	-11.9	-0.37305	2.40066	3.37801	2.81699	1.71795	2.18765	1.63865	-1.23911	-0.09611
35	10	22.5	-11.9	-0.65659	2.48695	3.09226	2.74108	1.08256	2.30135	1.52468	-0.80729	0.5475
36	10	23.5	-11.9	-1.20201	2.3078	2.99353	2.67032	0.368	2.08482	1.04421	-1.17042	0.29519
37	10	24.5	-12.9	-1.77112	1.70997	2.42727	2.35566	-0.79931	1.97147	-0.21808	-1.2074	-0.17438
38	10	23.5	-12.9	-2.34294	1.91956	2.09906	2.00107	-0.95043	1.49265	0.39994	-0.23465	0.35297
39	10	22.5	-12.9	-1.85932	2.15387	1.80822	2.19999	-0.24074	1.80457	0.40949	-0.75698	0.31263
40	10	21.5	-12.9	-1.23611	2.18958	1.92955	2.62879	0.26739	1.74113	0.95689	-0.38575	-0.0897
41	10	20.5	-12.9	-0.61208	2.23875	2.49475	2.56791	0.91906	2.00217	0.51282	-0.61692	0.39423
42	10	19.5	-12.9	-0.39919	2.3	2.95721	2.52854	1.56715	2.23314	0.78196	-0.98566	0.57851
43	10	18.5	-12.9	-0.27544	2.31935	3.3075	2.43445	2.30215	2.21652	0.92072	-0.86288	-0.02711
44	10	17.5	-12.9	0.21598	2.51797	3.45307	2.54438	3.02393	2.19153	1.64915	-0.95396	0.04727
45	10	16.5	-12.9	0.59195	2.72023	3.44751	2.58086	3.49106	2.13806	1.10412	-0.88134	0.34278
46	10	15.5	-12.9	1.05349	2.81125	3.32463	2.62995	4.03339	2.29299	1.96655	-0.1555	0.24113
47	10	14.5	-12.9	1.47941	3.08009	3.22859	2.758	4.82797	2.55517	1.62026	0.54373	0.85339
48	10	15.5	-13.9	-0.19973	2.52376	2.84059	2.46092	2.85724	2.1506	1.13693	-0.31795	0.43224
49	10	16.5	-13.9	-0.33479	2.2644	2.64763	2.49981	2.28007	1.9418	1.42349	-0.61465	-0.05257
50	10	17.5	-13.9	-0.58554	2.10154	2.48355	2.05431	1.81158	1.94007	0.26629	-0.78434	0.37067
51	10	18.5	-13.9	-0.97297	1.85017	2.36275	1.91504	1.34067	1.58276	0.12601	-0.62562	0.32571
52	10	19.5	-13.9	-1.12511	1.89536	2.10589	2.12402	0.65907	1.81602	0.36838	-0.3743	0.19501
53	10	20.5	-13.9	-1.3658	1.94001	1.3005	2.20903	-0.2729	1.55438	0.55313	-0.04853	0.06217
54	10	21.5	-13.9	-2.01011	1.83248	0.67011	1.90722	-0.54413	1.4522	0.39096	-0.04111	-0.32826
55	10	22.5	-13.9	-2.45273	1.68273	1.26558	1.74326	-0.62339	1.45537	0.21915	-0.21572	-0.14046
56	10	23.5	-13.9	-2.64444	1.67132	2.19923	1.65189	-1.06594	1.27249	-0.17603	-0.02325	-0.30109
57	10	24.5	-13.9	-1.83529	1.64239	2.66491	2.3736	-0.22088	2.32339	-0.76515	-1.04796	-0.57156
58	10	25.5	-13.9	-0.48851	1.61991	1.86002	2.54161	2.04691	2.51699	0.48365	-0.55102	-0.14627
59	10	26.5	-14.9	0.5997	1.34379	1.12017	1.7653	3.63774	1.47	0.67062	-0.30989	0.03804
60	10	25.5	-14.9	0.02091	1.37716	1.87069	1.93135	3.24923	1.67068	0.22371	-0.6626	-0.04662
61	10	24.5	-14.9	-1.72875	1.35971	4.00046	2.01966	0.74938	2.03378	-1.06913	-0.6077	-0.61406
62	10	23.5	-14.9	-2.8523	1.39082	2.28821	1.43596	-0.14724	1.21367	-0.34094	0.05772	-0.1219
63	10	22.5	-14.9	-2.50959	1.53007	0.68044	1.58509	-0.1489	1.50414	0.34299	-0.15366	-0.05199
64	10	21.5	-14.9	-1.82579	1.57315	0.76056	1.73443	-0.50774	1.56077	0.15364	-0.12141	-0.47374
65	10	20.5	-14.9	-1.97982	1.51359	0.95509	1.63834	-0.5727	1.29513	0.07701	0.06424	-0.22462
66	10	19.5	-14.9	-2.07697	1.57381	1.35018	1.67801	0.24544	1.33624	-0.1407	-0.21423	0.00364
67	10	18.5	-14.9	-1.54299	1.61319	1.62223	1.6969	0.78482	1.34082	0.22341	-0.44448	0.08293
68	10	17.5	-14.9	-1.37578	1.73139	1.92898	1.70836	1.13435	1.41078	-0.2989	-0.38298	0.10145
69	10	16.5	-14.9	-1.1826	1.95892	2.06069	1.93962	1.2422	1.77066	0.27637	-0.94276	-0.12154
70	10	17.5	-15.9	-1.86393	1.53348	1.33187	1.43352	1.09026	1.24778	0.23178	-0.06537	-5.61639E-4
71	10	18.5	-15.9	-2.2641	1.50051	0.96415	1.29912	0.48767	1.07931	0.16619	0.00368	0.00389

72	10	19.5	-15.9	-2.45071	1.27149	0.83078	1.31892	0.25444	1.20053	0.17756	-0.12984	-0.01326
73	10	20.5	-15.9	-2.29412	1.1832	0.90105	1.21957	-0.17612	1.09675	0.11583	0.03918	-0.14444
74	10	21.5	-15.9	-2.06239	1.19326	0.91732	1.36705	-0.18185	1.17022	0.07332	-0.21311	-0.23296
75	10	22.5	-15.9	-2.15376	1.20539	1.31645	1.35871	0.31181	1.13711	-0.0265	-0.18932	-0.34788
76	10	23.5	-15.9	-1.96381	1.27013	1.58285	1.41654	0.78659	1.40149	0.2286	-0.30417	-0.18601
77	10	24.5	-15.9	-1.86817	1.42357	2.76116	1.44705	1.70764	1.54235	-0.39836	-0.56599	-0.19347
78	10	25.5	-15.9	-0.20846	0.91993	1.3239	1.57525	3.68825	1.29906	0.04256	-0.13451	-0.08976
79	10	26.5	-15.9	0.43225	1.10596	0.24462	1.53331	3.87984	1.25179	0.33704	0.04073	0.15645
80	10	27.5	-15.9	0.06074	1.3096	-0.65034	1.81397	3.76154	1.46782	0.79082	0.25938	0.63357
81	10	28.5	-16.9	-0.06186	1.28013	-2.3369	1.48634	3.27861	1.5375	-0.07771	0.04954	0.53036
82	10	27.5	-16.9	0.14846	1.41681	-1.52522	1.49607	3.67781	1.44288	0.44222	0.52957	0.32759
83	10	26.5	-16.9	-0.09113	1.19934	-0.34277	1.36208	4.07886	1.24695	0.10817	0.24075	0.19776
84	10	25.5	-16.9	-1.04957	0.95934	1.27508	1.30522	3.49435	1.20906	-0.08264	-0.36124	-0.23672
85	10	24.5	-16.9	-1.75984	1.21946	2.37238	1.10903	1.65713	1.1627	-0.02494	-0.32772	-0.25654
86	10	23.5	-16.9	-2.30396	0.94995	2.06308	1.00658	0.64792	1.18996	-0.13572	-0.53094	0.2215
87	10	22.5	-16.9	-2.50877	0.96368	1.358	1.06176	0.26691	1.09378	0.10438	-0.43651	-0.07995
88	10	21.5	-16.9	-2.29857	1.06959	1.01274	1.09854	-0.02596	1.06269	0.03373	-0.30537	-0.08376
89	10	20.5	-16.9	-2.43014	1.18103	0.68908	1.02442	-0.00458	1.00073	0.1567	-0.11965	-0.13112
90	10	19.5	-16.9	-2.53514	1.04896	0.46252	1.00547	0.11215	1.05164	0.18739	-0.09629	-0.04503
91	10	18.5	-16.9	-2.33303	1.32929	0.46088	0.95964	0.18329	1.0832	0.13185	-0.10946	-0.22722
92	10	19.5	-17.9	-2.09216	1.20953	0.39036	0.89587	0.094	1.09069	-0.04538	-0.18424	0.11876
93	10	20.5	-17.9	-2.30038	0.97767	0.51687	1.0329	-0.13654	1.01927	0.15064	-0.24325	0.05587
94	10	21.5	-17.9	-2.34844	0.96177	0.66793	1.10333	0.05376	1.07135	0.01515	-0.47813	0.09238
95	10	22.5	-17.9	-2.3322	1.09827	0.99033	1.04777	0.3082	0.97186	0.14049	-0.37494	0.03381
96	10	23.5	-17.9	-2.41112	1.18734	1.28469	0.99583	0.66866	1.02278	0.00334	-0.35865	0.07706
97	10	24.5	-17.9	-2.45394	0.81545	1.62429	0.95892	1.24912	0.99513	0.03524	-0.24597	-0.09251
98	10	25.5	-17.9	-2.02382	1.02028	1.5562	1.05564	2.48624	0.9459	-0.01659	-0.28731	-0.08906
99	10	26.5	-17.9	-1.42657	0.99306	0.47257	1.10732	3.95315	0.95436	-0.07967	-0.15361	-0.12488
100	10	27.5	-17.9	-0.95694	1.01858	-1.04154	1.46479	4.59182	1.10029	0.09644	0.24463	-0.07339

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	14	-30	4.9	1.3052	1.75206	-2.66352	1.21603	0.11855	1.159	-0.04161	0.47094	0.03664
2	14	-30	3.9	0.83961	2.18193	-2.40903	1.20521	-0.03284	1.14109	-0.17886	0.39284	-0.17706
3	14	-29	4.9	1.11892	2.23899	-2.81357	1.2176	0.11463	1.12806	-0.19563	0.67062	-0.09216
4	14	-29	3.9	1.00926	2.12269	-2.29697	1.29605	-0.0163	1.2506	0.00673	0.72092	-0.00816
5	14	-29	2.9	0.88623	2.0897	-1.94132	1.39341	0.03078	1.36334	-0.00793	0.96921	0.03111
6	14	-28	1.9	0.77786	2.2744	-1.54696	1.27757	0.01802	1.22265	-0.18943	0.53001	-0.11147
7	14	-28	2.9	0.84374	2.16667	-1.90671	1.37304	0.11786	1.42598	-0.07281	1.00711	-0.12
8	14	-28	3.9	1.18177	2.07508	-2.2527	1.31899	0.12525	1.33009	0.0594	0.74537	-0.06016
9	14	-28	4.9	1.34432	2.03733	-2.7211	1.3986	0.16765	1.28307	0.18525	0.84218	0.2269
10	14	-27	4.9	1.29264	1.86571	-2.74305	1.30057	0.21731	1.22208	-0.14429	0.70602	-0.11522
11	14	-27	3.9	1.11342	2.05298	-2.19168	1.36066	0.16568	1.25868	-0.13784	0.78228	-0.07629

12	14	-27	2.9	0.9758	1.98804	-1.7218	1.32767	0.04411	1.29147	-0.13532	0.52986	-0.16341
13	14	-27	1.9	0.68547	2.38483	-1.43681	1.35107	0.03801	1.35882	-0.16909	0.78865	0.20253
14	14	-27	0.9	0.18723	2.26653	-1.15298	1.60792	0.03597	1.60089	0.04842	0.62686	-0.02057
15	14	-26	0.9	0.24743	2.08089	-0.99864	1.52319	0.12169	1.51	-0.11487	0.88877	-0.22437
16	14	-26	1.9	0.7176	2.35478	-1.32528	1.35715	0.22218	1.38808	-0.05343	0.76762	0.04996
17	14	-26	2.9	0.92988	2.1992	-1.72285	1.38405	0.16184	1.41506	0.15951	0.92775	-0.14119
18	14	-26	3.9	0.9871	2.12821	-2.06903	1.33608	0.20156	1.34946	-0.29099	0.95927	-0.1328
19	14	-26	4.9	1.1729	1.97975	-2.75508	1.37371	0.1836	1.30489	-0.06965	0.64604	0.01807
20	14	-25	4.9	1.42799	1.88656	-2.679	1.39971	0.22882	1.4052	-0.1796	0.62876	-0.10936
21	14	-25	3.9	1.18243	1.94415	-2.10765	1.43823	0.25276	1.34867	-0.03414	0.98075	-0.07079
22	14	-25	2.9	0.81137	2.13599	-1.64307	1.52079	0.12019	1.60256	-0.02466	0.90499	0.34759
23	14	-25	1.9	0.49602	2.15514	-1.03823	1.66915	0.20764	1.65176	0.0153	1.36682	-0.25954
24	14	-25	0.9	0.64617	1.90311	-0.81539	1.50492	0.28607	1.43012	-0.10901	0.97401	0.06601
25	14	-25	-0.1	0.30317	2.09836	-0.65171	1.63047	0.11375	1.57438	-0.34577	0.64644	-0.20197
26	14	-24	-1.1	-0.1372	2.29062	-0.46579	1.72302	0.19489	1.82741	-0.25368	1.07225	-0.04837
27	14	-24	-0.1	0.08349	2.3294	-0.55388	1.57856	0.17171	1.55309	0.06312	1.11665	-0.02904
28	14	-24	0.9	0.32739	2.20501	-0.7434	1.81246	0.17528	1.74026	0.23482	1.09507	0.22661
29	14	-24	1.9	0.55432	2.13253	-1.03377	1.45376	0.17477	1.38122	-0.39708	0.7444	-0.28392
30	14	-24	2.9	0.82085	2.09311	-1.68753	1.42357	0.15044	1.44686	0.0702	0.91602	0.12411
31	14	-24	3.9	1.0881	2.26456	-2.03837	1.31528	0.28419	1.33785	-0.00761	0.72707	-0.06606
32	14	-24	4.9	1.33354	2.08287	-2.62359	1.42087	0.2617	1.34309	-0.15365	0.74414	-0.09467
33	14	-23	4.9	1.32266	2.11698	-2.55208	1.34617	0.30956	1.31191	-0.09939	0.53626	-0.14758
34	14	-23	3.9	1.15893	2.10908	-1.8605	1.47551	0.32623	1.35533	0.10336	0.91852	0.08972
35	14	-23	2.9	0.85007	2.15711	-1.31892	1.63919	0.2804	1.50493	-0.06638	1.0021	-0.05762
36	14	-23	1.9	0.58127	2.18487	-1.0164	1.74856	0.33834	1.7047	0.07824	1.20325	-0.17284
37	14	-23	0.9	0.32676	1.93543	-0.75045	1.69583	0.06502	1.72909	0.26474	1.0184	-0.18508
38	14	-23	-0.1	0.06799	2.10048	-0.51795	1.54708	0.01005	1.59826	-0.13718	0.73412	0.11782
39	14	-23	-1.1	0.10708	2.15602	-0.3669	1.77852	0.02131	1.77649	0.00786	0.94866	-0.28857
40	14	-23	-2.1	-0.08584	2.07291	-0.22389	1.57331	0.11403	1.52128	-0.14298	0.89306	0.0853
41	14	-22	-3.1	-0.18035	1.72791	0.11279	1.86002	0.21109	1.85388	0.26782	1.45304	-0.05003
42	14	-22	-2.1	-0.1144	2.17295	-0.16888	1.82659	0.29738	1.76086	-0.055	0.81425	-0.06502
43	14	-22	-1.1	-0.10532	2.14626	-0.24991	1.8357	0.15761	1.83427	-0.21661	0.63078	-0.21424
44	14	-22	-0.1	-0.02078	2.29123	-0.40554	1.68431	0.26407	1.62517	-0.23866	0.87526	-0.06418
45	14	-22	0.9	0.21679	2.23576	-0.66853	1.79571	0.24087	1.75631	0.19822	1.35935	0.14664
46	14	-22	1.9	0.26769	2.11328	-0.98054	1.67647	0.08189	1.60964	0.2201	0.81402	-0.08959
47	14	-22	2.9	0.60358	1.9655	-1.19456	1.65586	0.4095	1.56866	-0.06717	0.79052	-0.22663
48	14	-22	3.9	1.06729	2.0212	-1.87649	1.38921	0.3473	1.40404	-0.08542	0.82133	-0.14876
49	14	-22	4.9	1.44201	2.18533	-2.53231	1.3604	0.2803	1.30289	-0.1427	0.69298	-0.13242
50	14	-21	4.9	1.44166	2.14495	-2.37541	1.51771	0.45712	1.46439	-0.18757	1.09055	-0.07349
51	14	-21	3.9	1.18008	2.10723	-1.59343	1.4548	0.45861	1.45719	8.26963E-4	0.96656	0.12359
52	14	-21	2.9	0.63062	2.22275	-1.18546	1.61457	0.27931	1.57789	-0.13653	1.15352	0.01156
53	14	-21	1.9	0.45568	2.42081	-0.92541	1.63175	0.22002	1.56585	0.02205	1.1449	-0.02693
54	14	-21	0.9	0.09885	1.96061	-0.57042	1.69417	0.21911	1.59384	0.17303	0.73034	0.32051
55	14	-21	-0.1	-2.96199E-4	2.24051	-0.31987	1.67503	0.12332	1.76893	0.24435	0.93577	0.25967
56	14	-21	-1.1	-0.09018	1.97426	-0.26244	1.91449	0.24007	1.95223	-0.15997	1.23516	0.11286
57	14	-21	-2.1	-0.40792	2.17075	-0.22605	1.81554	0.16789	1.87763	-0.2256	1.15565	0.08789
58	14	-21	-3.1	-0.29358	1.96526	-0.10725	1.58899	0.07002	1.63881	0.33949	0.71735	-0.0971
59	14	-20	-4.1	-0.17826	2.18253	-0.0699	1.78883	0.12985	1.77327	0.3418	0.87758	0.11702
60	14	-20	-3.1	-0.42414	1.84294	-0.25896	1.75122	0.11351	1.76425	0.06029	1.04067	-0.06732
61	14	-20	-2.1	-0.36374	2.026	-0.13261	2.10591	0.18926	2.07533	0.46382	1.45351	-0.29723
62	14	-20	-1.1	-0.32523	2.11591	-0.22106	1.72146	0.16335	1.75656	-0.16659	0.79166	0.10312
63	14	-20	-0.1	0.02386	2.11758	-0.13253	1.72363	0.10668	1.71034	0.10967	0.86589	0.22398
64	14	-20	0.9	0.0138	2.00936	-0.53329	1.69904	0.20009	1.72743	0.09329	0.80009	-0.08726

65	14	-20	1.9	0.36727	1.96822	-0.58833	1.58941	0.42775	1.57561	0.29501	0.99469	0.21495
66	14	-20	2.9	0.63093	2.24274	-1.02083	1.65326	0.32569	1.61934	0.02767	1.11224	0.12048
67	14	-20	3.9	1.07847	2.30983	-1.62412	1.41806	0.39606	1.45044	-0.2394	0.78998	0.20774
68	14	-20	4.9	1.51292	2.2617	-2.25884	1.4709	0.46523	1.53147	0.01558	0.97856	0.11575
69	14	-19	4.9	1.44544	2.38076	-2.27082	1.48353	0.41875	1.46046	-0.02577	0.79388	-0.11641
70	14	-19	3.9	1.14099	2.05204	-1.44769	1.52421	0.51302	1.56411	-0.16097	1.04523	0.08433
71	14	-19	2.9	0.90012	2.25285	-0.90752	1.73733	0.50827	1.70888	0.01126	1.13171	0.00438
72	14	-19	1.9	0.27566	2.26084	-0.66485	1.59697	0.31209	1.72984	-4.33895E-4	0.87851	0.17921
73	14	-19	0.9	0.14246	2.39653	-0.37502	1.71481	0.24508	1.74346	0.23009	0.78455	0.21422
74	14	-19	-0.1	-0.20371	2.17225	-0.29537	1.91093	0.25229	1.71609	0.09155	0.59945	0.05081
75	14	-19	-1.1	-0.29133	2.14154	-0.22607	1.79214	0.14067	1.91556	0.14567	1.16994	0.03737
76	14	-19	-2.1	-0.46137	2.18194	-0.19606	1.70447	0.08372	1.76569	0.345	1.10465	-0.0365
77	14	-19	-3.1	-0.2166	2.18616	-0.15645	1.93116	0.28262	1.96084	0.01077	0.90491	-0.14954
78	14	-19	-4.1	-0.57392	1.9668	-0.04424	1.82411	0.13124	1.76071	0.46927	0.53686	-0.00481
79	14	-19	-5.1	-0.48944	2.00549	-0.25033	1.87561	0.01978	1.78978	-0.03823	1.02622	-0.19605
80	14	-18	-6.1	-0.53205	2.01761	-0.02438	1.73149	0.11757	1.70786	0.24923	0.53926	0.00855
81	14	-18	-5.1	-0.2282	1.84602	-0.08142	1.78266	0.13903	1.79764	0.11914	0.88944	-0.35834
82	14	-18	-4.1	-0.23202	1.97952	-0.3191	1.93919	0.24941	1.9067	0.14819	1.32361	0.06294
83	14	-18	-3.1	-0.23356	2.09387	-0.07787	1.80139	0.24174	1.8122	0.33427	0.9858	-0.00568
84	14	-18	-2.1	-0.22514	2.00574	-0.03927	1.86015	0.50141	1.83661	0.16087	1.02413	-0.05308
85	14	-18	-1.1	-0.34669	2.02171	-0.18559	1.76647	0.29017	1.82572	0.23188	0.97916	0.19473
86	14	-18	-0.1	-0.3111	2.23125	-0.08752	1.9403	0.34237	1.82098	0.08151	1.11408	0.11813
87	14	-18	0.9	-0.13132	1.93304	-0.33242	1.82205	0.38013	1.79743	0.61933	1.38089	0.11114
88	14	-18	1.9	0.04632	2.05536	-0.53041	1.8905	0.3642	1.89155	0.05753	1.33407	-0.06278
89	14	-18	2.9	0.53877	2.11183	-0.7687	1.76932	0.47464	1.70936	-0.09382	1.24673	0.2336
90	14	-18	3.9	1.13034	2.07644	-1.33127	1.56143	0.51874	1.52555	-0.00889	0.95769	0.22572
91	14	-18	4.9	1.62273	2.19121	-2.017	1.47735	0.53773	1.41095	-0.354	0.62949	-0.00146
92	14	-17	4.9	1.50802	2.4257	-1.88298	1.53399	0.62334	1.57455	-0.16454	0.93557	0.18093
93	14	-17	3.9	1.05599	2.34117	-1.27942	1.70622	0.50356	1.66542	-0.25937	1.24997	-0.26675
94	14	-17	2.9	0.63163	2.23634	-0.74514	1.72253	0.39795	1.68045	-0.22193	1.13524	-0.13005
95	14	-17	1.9	0.29871	2.23663	-0.48563	1.98152	0.36443	1.93148	-0.15982	1.58184	0.10258
96	14	-17	0.9	-0.05548	2.20141	-0.23651	1.83466	0.3998	1.97773	-0.11855	1.41421	0.05664
97	14	-17	-0.1	-0.23335	2.13627	-0.12906	1.87215	0.45425	1.72467	-0.08872	1.15777	-0.13471
98	14	-17	-1.1	-0.18902	2.14138	-0.19549	1.78183	0.45594	1.97594	-0.00249	0.97794	-0.02672
99	14	-17	-2.1	-0.30022	1.92841	-0.21255	1.86593	0.23673	1.90102	0.13706	1.34538	0.08865
100	14	-17	-3.1	-0.25683	1.78992	-0.1314	1.92032	0.32958	1.77518	0.2961	0.90588	-0.11441
101	14	-17	-4.1	-0.51002	2.00203	-0.18112	1.75332	0.46942	1.88008	0.5745	1.00258	0.11733
102	14	-17	-5.1	-0.38919	1.86048	-0.04791	1.83685	0.39138	1.87526	0.07421	0.92073	-0.16402
103	14	-17	-6.1	-0.42751	1.83982	0.00782	2.03046	0.43787	1.89228	0.11587	0.98141	-0.32435
104	14	-17	-7.1	-0.55103	1.84579	-0.17334	2.05412	0.36574	2.03718	0.29613	1.3892	-0.08833
105	14	-16	-7.1	-0.29473	1.90069	-0.10055	1.99879	0.58471	1.9018	-0.00429	1.30047	0.08509
106	14	-16	-6.1	-0.35147	1.88071	-0.15819	2.15105	0.72537	1.91726	0.66035	0.85049	0.47456
107	14	-16	-5.1	-0.46059	2.21216	-0.2935	1.87948	0.69295	1.80748	-0.17938	0.96448	0.09908
108	14	-16	-4.1	-0.38742	1.85849	-0.18144	1.95725	0.71737	1.90357	9.48735E-4	1.13347	-0.17798
109	14	-16	-3.1	-0.48564	1.8795	0.04807	1.971	0.76809	1.86213	0.38906	0.85983	0.05739
110	14	-16	-2.1	-0.29326	1.88691	0.01453	1.82445	0.65727	1.90417	0.17583	0.89859	0.01418
111	14	-16	-1.1	-0.18867	1.99321	-0.02145	1.94406	0.52884	1.85535	-9.25116E-4	1.29735	-0.10386
112	14	-16	-0.1	-0.16288	1.94199	-0.13157	1.93789	0.38767	1.87636	-0.1393	1.18379	-0.04294
113	14	-16	0.9	0.29869	2.04785	-0.12514	1.77456	0.45635	1.90646	-0.09883	1.16322	-0.00464
114	14	-16	1.9	0.16222	2.16928	-0.31526	1.84752	0.43641	1.86584	-0.09663	1.27908	-0.04807
115	14	-16	2.9	0.66324	2.21896	-0.60528	1.65805	0.42043	1.63526	-0.03203	1.03334	0.25384
116	14	-16	3.9	1.31154	2.26859	-1.06326	1.67605	0.57712	1.66993	-0.05553	1.41015	0.14543
117	14	-16	4.9	1.65332	2.41376	-1.83811	1.51409	0.69407	1.44458	-0.49825	0.74132	-0.24419

118	14	-15	4.9	1.62721	2.39235	-1.67151	1.71212	0.75808	1.67171	-0.14467	0.91216	-0.01863
119	14	-15	3.9	1.24618	2.16904	-1.06374	1.73205	0.72526	1.58412	0.05266	0.94928	0.11876
120	14	-15	2.9	0.56111	2.11627	-0.54883	1.67405	0.68145	1.63496	0.26007	1.021	0.2828
121	14	-15	1.9	0.30763	2.35557	-0.22805	1.79709	0.56479	1.81211	-0.02029	0.96734	-0.08139
122	14	-15	0.9	-0.05479	2.13344	0.01207	1.83407	0.37539	1.81251	-0.00117	1.34795	-0.05308
123	14	-15	-0.1	-0.16145	2.04203	0.04675	1.87792	0.4799	1.9252	-0.13595	1.03755	0.02303
124	14	-15	-1.1	-0.21232	2.01561	-0.02187	1.85244	0.46016	1.84909	0.39079	1.2571	-0.24859
125	14	-15	-2.1	-0.33537	2.02811	0.10249	1.88671	0.78355	1.99002	0.25181	1.26833	-0.04899
126	14	-15	-3.1	-0.28043	1.83775	-0.05374	1.98404	0.77146	2.10776	-0.08142	1.7738	-0.04209
127	14	-15	-4.1	-0.3111	2.02657	-0.0975	2.06915	0.79018	2.06071	-0.23621	1.31468	-0.20844
128	14	-15	-5.1	-0.36785	1.7904	-0.04577	2.1114	1.02897	2.06819	0.10582	1.05081	0.00634
129	14	-15	-6.1	-0.49959	1.72245	-0.17275	1.94039	1.08146	1.90934	0.17319	1.15959	-0.37271
130	14	-15	-7.1	-0.54329	1.95189	-0.22663	1.98011	0.95927	1.91974	0.12109	1.14275	0.08066
131	14	-15	-8.1	-0.60013	1.80346	-0.2302	1.96748	1.1081	1.88975	0.15363	0.74472	-0.18423
132	14	-14	-9.1	-0.61141	2.01951	0.05764	1.90656	1.13212	1.77694	-0.03587	1.3369	-0.21285
133	14	-14	-8.1	-0.5997	1.95281	-0.09563	2.08686	1.25305	1.86056	0.21434	0.76204	-0.27044
134	14	-14	-7.1	-0.56935	1.82404	-0.10455	1.95974	1.36209	1.85813	0.14475	0.98752	-0.12548
135	14	-14	-6.1	-0.41457	1.93764	-0.17344	2.00949	1.25551	1.89608	0.27031	1.22853	0.05921
136	14	-14	-5.1	-0.3152	2.13056	0.01596	1.91975	1.18293	1.86201	-0.09343	0.77278	-0.37344
137	14	-14	-4.1	-0.20487	1.99146	-0.09042	1.89765	0.95713	1.96361	0.09951	1.11768	0.05133
138	14	-14	-3.1	-0.28755	1.85198	0.09255	1.95882	0.78107	1.95687	0.22482	1.20354	-0.17297
139	14	-14	-2.1	-0.21091	1.93615	0.11299	1.8772	0.73693	1.93162	0.28776	0.67529	-0.00627
140	14	-14	-1.1	-0.21965	2.00331	-0.01328	1.89091	0.47699	2.00682	0.08711	0.93341	0.22599
141	14	-14	-0.1	-0.3445	2.02027	0.07112	1.8314	0.3727	2.03648	-0.048	1.3849	0.09858
142	14	-14	0.9	0.11961	2.23791	-0.05741	2.0044	0.56097	1.99005	0.32201	1.42454	0.01255
143	14	-14	1.9	0.09419	2.03544	-0.29946	1.77529	0.5104	1.76777	0.17858	0.83432	0.17414
144	14	-14	2.9	0.6838	2.24556	-0.42517	1.77176	0.65239	1.68984	0.17505	0.93159	0.4182
145	14	-14	3.9	1.02651	2.35252	-1.11598	1.85577	0.79754	1.81786	-0.09755	1.03603	0.19054
146	14	-14	4.9	1.81871	2.21433	-1.57403	1.6513	0.89333	1.81156	-0.17462	1.10813	-0.03282
147	14	-13	4.9	1.91392	2.27612	-1.42472	1.67712	0.90007	1.59858	-0.03865	0.72451	0.01108
148	14	-13	3.9	1.03998	2.15834	-0.91922	1.85997	1.00438	1.90803	0.0179	1.46915	0.26472
149	14	-13	2.9	0.71792	2.05148	-0.49165	1.92576	0.73281	1.82976	-0.17342	1.0385	-0.17436
150	14	-13	1.9	0.21401	1.87968	-0.07313	1.91369	0.71113	1.87154	-0.38612	0.82423	0.09189
151	14	-13	0.9	-0.06053	2.13557	0.14945	1.96044	0.58282	1.88815	-0.10919	1.60902	0.18278
152	14	-13	-0.1	-0.02575	1.92458	0.16154	1.8906	0.46702	1.80035	-0.1724	1.00537	-0.10265
153	14	-13	-1.1	-0.0909	2.08378	0.35621	1.94499	0.50498	2.00316	-0.04328	1.06511	0.25342
154	14	-13	-2.1	-0.23119	1.86351	0.26572	1.84576	0.76718	1.89279	-0.01934	0.8433	-0.09522
155	14	-13	-3.1	-0.1947	1.9714	0.11648	1.95288	0.77247	2.07394	-0.07037	0.94945	0.13353
156	14	-13	-4.1	-0.11343	1.90727	0.18212	1.86204	1.01603	1.91047	0.06922	0.9683	-0.38743
157	14	-13	-5.1	-0.38726	1.85074	0.00702	1.9824	1.09039	2.06759	0.33509	1.02904	-0.10802
158	14	-13	-6.1	-0.34034	2.11932	-0.00365	1.94977	1.47596	2.03559	0.16848	1.01344	-0.07897
159	14	-13	-7.1	-0.53105	1.79487	-0.11125	2.03403	1.61338	1.90602	0.04657	0.91984	-0.37343
160	14	-13	-8.1	-0.58087	1.89331	-0.20274	2.0383	1.56716	1.94859	0.08402	1.27122	-0.27853
161	14	-13	-9.1	-0.7652	1.71768	-0.11606	2.04228	1.59149	1.81226	0.07738	0.83196	-0.06445
162	14	-12	-8.1	-0.58252	1.93887	-0.16696	2.32811	1.88137	2.13014	0.35188	1.84713	-0.31732
163	14	-12	-7.1	-0.24428	1.92835	0.0299	2.1756	1.51595	2.14311	0.22173	1.61447	-0.09848
164	14	-12	-6.1	-0.18408	1.88751	0.23412	2.11936	1.28626	2.06734	0.23245	1.56406	0.07595
165	14	-12	-5.1	-0.20243	1.9095	0.12672	2.05835	0.96203	2.15229	-0.00567	1.75441	0.14798
166	14	-12	-4.1	-0.14944	2.08702	0.31663	1.98648	0.91027	2.01627	0.18889	1.07902	0.31676
167	14	-12	-3.1	-0.04333	2.01386	0.3925	1.98545	0.60707	2.01848	0.09274	1.42283	-0.18201
168	14	-12	-2.1	-0.16814	2.04473	0.26948	1.82503	0.50912	1.84447	0.10339	1.10443	0.05971
169	14	-12	-1.1	-0.26573	2.15471	0.11548	2.06899	0.38169	2.02486	0.15969	1.40786	0.3497
170	14	-12	-0.1	-0.06605	2.0524	0.13631	1.9145	0.48886	1.82638	-0.04096	0.87701	0.24905

171	14	-12	0.9	-0.01627	2.16295	-0.0249	1.9886	0.82263	2.01338	-0.35287	0.98049	0.32547
172	14	-12	1.9	0.22257	2.05042	-0.20379	1.9016	0.75466	1.89148	-0.11646	0.8993	0.23674
173	14	-12	2.9	0.57058	2.20915	-0.606	2.07525	0.88728	1.96368	-0.15394	1.52462	0.25924
174	14	-12	3.9	1.13316	2.23403	-0.92037	1.85282	1.0195	1.85306	-0.11164	1.03352	0.09888
175	14	-12	4.9	1.92569	2.29345	-1.35627	1.80526	0.96057	1.80809	-0.14676	1.1244	-0.0904
176	14	-11	4.9	2.06172	2.38695	-1.21288	1.77513	0.83966	1.84524	-0.2124	0.93651	-0.20083
177	14	-11	3.9	1.24239	2.21619	-0.73611	1.94801	0.94932	1.93745	0.05311	1.37751	0.0661
178	14	-11	2.9	0.4775	2.33312	-0.41222	1.92562	0.99612	2.08405	-0.37674	1.36832	0.03027
179	14	-11	1.9	0.11811	2.00174	-0.27162	1.95243	0.76492	1.8291	0.02387	1.26609	0.37831
180	14	-11	0.9	-0.03022	1.92841	-0.0873	2.10708	0.79613	2.08806	-0.26057	1.37499	0.20619
181	14	-11	-0.1	-0.0447	2.02642	0.06589	2.01776	0.68088	1.9908	-0.35382	1.27236	-0.07621
182	14	-11	-1.1	-0.04865	1.86384	0.10268	2.00704	0.64302	2.00785	-0.17631	1.22792	0.05031
183	14	-11	-2.1	-0.11169	1.90231	0.27092	2.05956	0.54445	1.85718	-0.13773	1.08759	-0.04559
184	14	-11	-3.1	-0.0774	2.13276	0.42019	1.87302	0.47606	1.90709	0.03592	0.75412	-0.06394
185	14	-11	-4.1	-0.03495	1.85941	0.33314	1.98681	0.80312	2.01687	0.06082	1.11736	-0.06886
186	14	-11	-5.1	-0.07639	1.96368	0.36339	1.95376	0.76451	2.09449	0.06708	1.40568	0.10751
187	14	-11	-6.1	0.04191	2.01373	0.20899	2.0384	1.06096	2.21547	-0.24681	1.75551	-0.15043
188	14	-11	-7.1	-0.00658	2.21254	0.15135	2.28926	1.40034	2.20252	0.29858	1.49737	0.01986
189	14	-10	-6.1	0.1989	2.132	0.18925	2.09794	0.85814	2.12719	0.16091	1.29569	0.10779
190	14	-10	-5.1	0.26003	2.13898	0.24756	1.93321	0.74104	2.06911	0.24156	1.20998	-0.04258
191	14	-10	-4.1	0.01668	2.12041	0.31641	2.10522	0.65363	2.11913	0.05404	1.47966	0.33309
192	14	-10	-3.1	0.16019	2.02971	0.2625	1.9627	0.61867	1.97047	-0.1029	1.15647	0.18847
193	14	-10	-2.1	0.16333	2.15678	0.16936	1.95763	0.77847	2.02692	-0.25831	1.05862	0.10662
194	14	-10	-1.1	-0.14452	2.02905	0.17083	1.99747	0.74639	2.09871	-0.26312	1.28748	0.31699
195	14	-10	-0.1	-0.11857	2.01513	0.06182	1.96128	0.70727	2.14006	-0.33656	1.31304	0.61178
196	14	-10	0.9	0.15468	2.09628	-0.03961	1.72083	0.69604	1.87371	-0.06429	1.18332	0.19262
197	14	-10	1.9	-0.11426	2.10831	-0.1618	1.73725	0.83871	1.89486	-0.16939	1.16293	0.38552
198	14	-10	2.9	0.53383	2.25992	-0.34149	1.99006	0.85995	1.97839	-0.26985	0.83151	0.06601
199	14	-10	3.9	1.3013	2.40634	-0.68165	1.71024	0.93541	1.76107	0.07283	1.04332	0.1011
200	14	-10	4.9	2.51593	2.73102	-1.16915	1.81179	0.72713	1.68607	-0.14356	1.06014	-0.1302
201	14	-9	4.9	2.25537	2.58423	-0.80891	1.73184	0.66848	1.77146	-0.01428	0.83013	-0.13661
202	14	-9	3.9	1.09031	2.34761	-0.52533	1.83968	0.66914	1.71857	0.19354	1.3582	0.09826
203	14	-9	2.9	0.20369	2.30915	-0.20855	1.87368	0.55769	1.8225	-0.30978	1.25635	-0.26653
204	14	-9	1.9	-0.14039	2.09095	0.23825	1.76295	0.6181	1.86697	0.0094	1.24019	0.04163
205	14	-9	0.9	-0.3266	1.96086	0.29273	1.82533	0.59011	1.86434	0.06251	1.09461	0.50729
206	14	-9	-0.1	-0.10878	2.38012	0.35567	1.88924	0.74162	1.98527	0.07419	1.40136	0.34763
207	14	-9	-1.1	-0.00307	2.25703	0.4793	1.82771	0.80097	1.90941	-0.10342	0.92587	0.25399
208	14	-9	-2.1	-0.15653	1.89166	0.29426	1.87631	0.89577	1.93231	0.27707	1.00459	0.33459
209	14	-9	-3.1	-0.07298	2.1204	0.33688	1.9543	0.87012	1.99929	0.16596	0.76178	0.32755
210	14	-9	-4.1	0.07472	2.28114	0.37025	1.97656	0.84338	1.99212	0.27199	1.05805	0.4492
211	14	-9	-5.1	0.20241	2.1769	0.3877	2.05727	0.8249	2.06833	0.31258	1.39985	0.14457
212	14	-8	-4.1	-0.34638	1.96727	0.3164	1.85864	0.61454	2.01407	0.12821	1.20511	0.33631
213	14	-8	-3.1	-0.32401	1.83745	0.39605	1.83607	0.53398	1.96542	0.25646	1.08523	0.27357
214	14	-8	-2.1	-0.60754	1.9029	0.41649	1.98748	0.55592	2.05505	0.11092	1.20158	-0.03246
215	14	-8	-1.1	-0.53346	1.7042	0.49149	1.93511	0.42177	1.95103	-0.13771	1.22494	0.04109
216	14	-8	-0.1	-0.64	1.93826	0.42928	1.84192	0.24429	1.89734	0.01243	1.3303	-0.12092
217	14	-8	0.9	-0.36479	1.97264	0.50872	1.82684	0.24772	1.8383	0.18659	1.35613	0.1644
218	14	-8	1.9	-0.33612	1.92366	0.32913	1.7782	0.37682	1.77709	0.38203	0.60408	-0.32646
219	14	-8	2.9	0.30652	2.08914	-0.11671	1.93772	0.40285	1.97568	-0.00121	1.61747	-0.00112
220	14	-8	3.9	1.415	2.39545	-0.57423	1.91519	0.49154	1.81055	-0.38899	1.12445	-0.19248
221	14	-8	4.9	2.18485	2.61949	-0.78055	1.84793	0.62233	1.78542	-0.11422	1.00468	-0.03608
222	14	-7	4.9	2.3812	2.36699	-0.78235	1.76032	0.62809	1.87999	-0.32801	0.90968	-0.42904
223	14	-7	3.9	1.22622	2.27668	-0.34689	1.8746	0.43576	1.8163	-0.49019	1.08757	-0.02802

224	14	-7	2.9	-0.09489	2.21355	0.10357	1.85712	0.2612	1.86146	0.11709	1.35563	-0.13018
225	14	-7	1.9	-0.54309	1.813	0.30008	1.82995	0.19875	1.972	0.07056	1.06306	0.04772
226	14	-7	0.9	-0.58579	1.80045	0.22385	1.74965	-0.04741	1.85994	-0.04481	1.43886	-0.32117
227	14	-7	-0.1	-0.76933	1.87439	0.29475	1.88441	0.07763	1.9012	0.02376	1.08598	0.08905
228	14	-7	-1.1	-0.76492	1.63896	0.40518	1.79205	0.07267	1.85098	0.05984	1.03025	-0.05592
229	14	-7	-2.1	-0.56594	1.81933	0.32502	1.92323	0.17924	1.91035	0.12763	1.24879	0.07826
230	14	-7	-3.1	-0.55331	1.76658	0.29937	1.89524	0.32443	1.9367	0.23967	1.63996	0.08719
231	14	-7	-4.1	-0.01431	2.13132	-0.40524	2.61821	0.67641	2.95392	0.79371	-3.30069	-1.9811
232	14	-6	-3.1	-0.7235	1.78491	-0.39428	1.61862	-0.33428	1.52724	0.19799	0.10164	-0.01275
233	14	-6	-2.1	-0.5311	1.86184	0.10977	1.88874	0.16079	1.93991	-0.03984	0.90252	-0.06696
234	14	-6	-1.1	-0.68355	1.72908	0.20913	1.48213	0.0199	1.5737	-0.04097	0.86098	-0.03957
235	14	-6	-0.1	-0.84219	1.65426	0.13404	1.86644	0.01712	1.95676	0.14897	1.20625	-0.0788
236	14	-6	0.9	-0.63386	2.03015	0.28732	1.71076	-0.04059	1.81689	0.01699	0.70228	-0.1874
237	14	-6	1.9	-0.52235	1.98572	0.2	1.88331	0.12606	1.96854	-0.1583	0.82399	-0.30406
238	14	-6	2.9	0.10631	2.00877	-0.08033	2.06767	0.2928	1.95072	0.05874	1.29809	0.09201
239	14	-6	3.9	1.15684	2.35049	-0.35653	2.13805	0.47121	1.83155	-0.18617	1.38135	0.05398
240	14	-6	4.9	2.09429	2.59077	-0.77627	1.89874	0.64639	1.88501	-0.1226	0.88682	-0.31581
241	14	-5	4.9	2.18906	2.3119	-0.69428	1.94259	0.67344	1.80783	-0.21958	0.89589	-0.16639
242	14	-5	3.9	1.14025	2.43099	-0.50587	1.86884	0.49239	1.83251	-0.63428	1.09058	0.22516
243	14	-5	2.9	-0.04439	2.41632	-0.05661	1.96406	0.13851	1.86903	-0.22433	1.07818	0.09697
244	14	-5	1.9	-0.4478	2.19998	0.34772	1.80773	0.17335	1.80443	0.05261	1.10156	0.1536
245	14	-5	0.9	-0.81251	1.55577	0.17309	1.76085	-0.10262	1.836	0.03851	1.22649	-0.31171
246	14	-5	-0.1	-0.82794	1.81059	0.12245	2.08603	0.19968	2.02524	0.24371	1.74998	-0.03551
247	14	-5	-1.1	-0.88412	1.83619	-0.15419	1.89959	0.09005	1.98866	0.13326	1.3859	0.25952
248	14	-4	-0.1	-0.62592	1.82268	-0.05117	1.86052	0.05116	1.78698	-0.02397	1.49526	0.12868
249	14	-4	0.9	-0.69751	1.86669	0.19203	1.68896	-0.00634	1.69032	-0.01017	1.25907	-0.04437
250	14	-4	1.9	-0.53202	2.02842	0.19088	1.82948	-0.02738	1.83627	0.05835	1.06966	-0.10176
251	14	-4	2.9	0.00161	2.06746	0.13866	1.83678	0.10032	1.86271	-0.01668	1.08292	-0.03984
252	14	-4	3.9	1.04842	2.30493	-0.47001	2.01645	0.45656	1.98906	-0.29181	1.476	-0.17647
253	14	-4	4.9	2.04178	2.51925	-0.72955	1.86054	0.62399	2.0425	0.03646	1.07109	0.13689
254	14	-3	4.9	2.03562	2.47981	-0.60545	1.99021	0.65126	1.99993	-0.01762	0.90635	-0.15883
255	14	-3	3.9	1.2939	2.21874	-0.47588	2.03925	0.33712	2.10885	-0.30296	1.29425	-0.1821
256	14	-3	2.9	0.02634	2.02953	-0.05854	2.0343	0.04842	2.07102	-0.09747	1.04898	-0.16727
257	14	-3	1.9	-0.64869	1.66148	0.20612	2.05878	-0.1031	2.11388	-0.01605	1.85416	-0.14752
258	14	-3	0.9	-0.78928	1.60956	-0.00881	1.94955	0.0463	1.98199	0.11207	1.58043	0.09624
259	14	-2	1.9	-0.59434	1.92473	0.21464	1.8989	0.03823	1.84137	0.01965	0.85293	-0.22295
260	14	-2	2.9	0.19179	2.23973	-0.04703	2.03425	0.08888	2.0417	-0.28747	1.43776	-0.11365
261	14	-2	3.9	1.29575	2.33968	-0.54699	1.97621	0.31633	2.00191	0.19129	0.83704	-0.10205
262	14	-2	4.9	2.15039	2.6121	-0.63506	1.93415	0.52319	2.01712	-0.11553	0.94725	-0.26603
263	14	-1	4.9	2.27017	2.45064	-0.60153	1.93483	0.45066	1.95871	-0.44413	0.82725	-0.10671
264	14	-1	3.9	1.41494	2.5118	-0.46815	2.01986	0.34822	1.95394	-0.11729	1.44622	-0.4168
265	14	-1	2.9	0.32817	2.11158	-0.18731	1.8885	0.04158	1.85856	-0.23652	0.96182	-0.40889
266	14	-1	1.9	-0.49141	1.85941	-0.03723	1.95325	-0.08533	2.00484	0.14544	1.59626	0.12521
267	14	0	1.9	-0.43848	1.86456	-0.324	1.91115	-0.10733	1.87132	0.11413	1.05296	-0.0461
268	14	0	2.9	0.44264	2.23448	-0.38099	1.85811	-0.01579	1.76031	0.26162	0.63332	-0.00596
269	14	0	3.9	1.41189	2.44389	-0.55193	1.90091	0.23974	1.79564	0.06359	0.71397	0.05935
270	14	0	4.9	2.42742	2.63316	-0.63342	2.11855	0.6019	2.04593	0.01942	1.01649	-0.12067
271	14	1	4.9	2.39863	2.59818	-0.84966	1.98792	0.70077	1.99762	-0.06503	0.66387	0.32458
272	14	1	3.9	1.51706	2.38846	-0.54868	2.0051	0.24249	2.11439	0.02568	1.02266	-0.06113
273	14	1	2.9	0.33461	2.24482	-0.5904	1.86054	-0.00837	1.85723	0.15974	0.991	0.06934
274	14	1	1.9	-0.48555	1.92788	-0.29387	1.87661	-0.114	1.79844	0.00543	0.84878	0.08565
275	14	2	1.9	-0.34342	2.07534	-0.43789	1.97482	-0.19839	1.82927	0.3199	0.73451	0.19544
276	14	2	2.9	0.25897	2.31218	-0.66028	1.79526	0.11699	1.62312	0.33104	0.59461	0.15678

277	14	2	3.9	1.3601	2.67068	-0.82835	1.90466	0.72123	1.8639	0.00225	0.74422	0.10624
278	14	2	4.9	2.05625	2.64994	-0.8043	1.96199	0.90836	1.96607	0.31184	0.56236	0.26267
279	14	3	4.9	2.26382	2.5962	-0.8452	2.01343	1.21168	2.04597	-0.22906	0.688	-0.18416
280	14	3	3.9	1.28758	2.41689	-0.80892	2.05143	0.90215	2.02593	0.02779	0.90281	0.08137
281	14	3	2.9	0.39356	2.31455	-0.8	1.93959	0.30304	1.96148	0.02761	0.93539	-0.00895
282	14	3	1.9	-0.4709	1.93585	-0.31059	1.77173	-0.15593	1.74946	0.09637	0.8193	0.37605
283	14	4	1.9	-0.32481	2.20528	-0.2962	1.88428	0.13439	1.84533	-0.04857	0.6177	0.20196
284	14	4	2.9	0.24032	2.55922	-0.6171	2.00513	0.72424	1.89912	0.05629	0.94746	0.12369
285	14	4	3.9	1.09789	2.59769	-0.69422	2.07402	1.24522	2.18386	0.08768	1.32855	0.29497
286	14	4	4.9	2.30786	2.73428	-0.78054	2.0004	1.41827	2.23772	0.08693	1.0053	0.27621
287	14	5	4.9	1.96791	2.66764	-0.7378	2.16971	1.56324	2.23673	0.44403	1.31439	0.33295
288	14	5	3.9	1.10089	2.67224	-0.37439	2.11059	1.4643	2.12897	0.32168	1.14464	0.45701
289	14	5	2.9	0.14176	2.35685	-0.13854	2.14104	0.73358	2.12411	-0.06425	1.50425	0.57408
290	14	5	1.9	-0.5192	2.29885	-0.06212	1.84234	0.2986	1.86031	-0.03121	0.71316	0.00789
291	14	5	0.9	-0.86141	1.99787	0.47537	1.85873	0.0941	1.90016	0.30974	0.68584	-0.27692
292	14	6	1.9	-0.50763	2.18985	0.17735	1.99808	0.69137	2.00006	-0.2128	0.57908	0.16826
293	14	6	2.9	0.04495	2.56745	-0.11555	2.35697	0.97862	2.22901	-0.04772	0.63041	0.28471
294	14	6	3.9	0.64256	2.50291	-0.33945	2.38895	1.72032	2.44277	0.32335	0.68383	0.76053
295	14	6	4.9	1.49584	2.76685	-0.67632	2.42111	1.9318	2.38869	0.49644	0.85362	0.59372
296	14	7	4.9	1.0625	2.70642	-0.28902	2.34296	3.26255	2.85055	0.14302	0.56908	0.78834
297	14	7	3.9	0.91617	2.6132	-0.52698	2.73547	3.34463	3.06787	-1.02982	0.72428	1.47635
298	14	7	2.9	0.58778	2.68518	-0.54213	2.5589	3.121	2.80812	-0.50357	-0.32233	1.64765
299	14	8	3.9	1.0307	2.74081	0.16803	2.92817	4.25346	3.08968	-0.19196	3.22622	1.17164
300	14	8	4.9	0.79806	2.66057	0.65152	2.68645	3.68988	2.90358	-0.02305	2.20639	0.75087
301	14	9	4.9	-0.12251	2.42401	1.03644	2.76803	1.92952	2.77878	0.56309	2.60409	0.68374

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	19	-31	4.9	1.22252	1.9215	-2.24719	1.23523	-0.06851	1.28751	-0.02679	0.7042	-0.12918
2	19	-30	3.9	0.75492	2.00583	-1.74899	1.41274	0.17669	1.39418	-0.06268	1.09238	0.02448
3	19	-30	4.9	0.98656	2.15581	-2.35998	1.37423	0.07336	1.24577	0.07672	0.58367	-0.0695
4	19	-29	4.9	1.01956	2.05075	-1.99922	1.34558	0.23098	1.38133	-0.11513	1.00044	0.01235
5	19	-29	3.9	0.76574	2.00913	-1.63061	1.60726	0.2024	1.42143	-0.01943	1.06838	0.08047
6	19	-29	2.9	0.47324	1.95464	-1.54888	1.65203	0.06225	1.7148	-0.39709	1.20671	-0.2548
7	19	-28	1.9	0.33426	1.91192	-1.25685	1.6033	0.04585	1.51806	-0.08022	0.93463	-0.18384
8	19	-28	2.9	0.49717	2.02444	-1.44017	1.49895	0.18651	1.47896	0.3116	0.86107	-0.00171
9	19	-28	3.9	0.73689	2.22108	-1.72551	1.49252	0.20651	1.56349	-0.17302	1.37423	-0.22033
10	19	-28	4.9	1.13735	2.05653	-2.17759	1.4651	0.15419	1.52152	0.07809	0.87457	-0.34051
11	19	-27	4.9	1.04827	2.10631	-2.07081	1.43898	0.28157	1.36389	-0.03178	1.05378	-0.06832
12	19	-27	3.9	0.7965	2.03909	-1.5674	1.63787	0.23932	1.68278	0.08027	1.36604	-0.12544
13	19	-27	2.9	0.46873	2.01731	-1.3702	1.55464	0.10363	1.54844	0.04732	1.03338	0.05281
14	19	-27	1.9	0.30497	1.65389	-1.20998	1.45797	0.17659	1.56395	-0.09294	0.83175	-0.04818
15	19	-27	0.9	0.23866	2.10246	-1.03542	1.55948	-0.03943	1.54988	0.18129	0.7799	-0.15835

16	19	-26	0.9	0.29614	2.05061	-1.06286	1.62121	0.29752	1.58775	0.29568	1.13608	0.22267
17	19	-26	1.9	0.21149	1.91366	-1.47585	1.56629	0.10593	1.59481	0.17821	1.03735	-0.13819
18	19	-26	2.9	0.23285	2.09346	-1.55983	1.5278	0.13993	1.54398	0.23443	1.25937	-0.36207
19	19	-26	3.9	0.79499	2.25499	-1.60875	1.4077	0.20562	1.43767	-0.23351	1.21921	-0.36223
20	19	-26	4.9	1.08054	2.06929	-2.03235	1.38789	0.11744	1.41656	-0.12489	0.86525	-0.24518
21	19	-25	4.9	1.24656	2.08109	-1.89683	1.4411	0.25974	1.42895	-0.05686	0.92466	0.25398
22	19	-25	3.9	0.65294	2.07049	-1.34091	1.69015	0.2528	1.64286	0.06792	1.44486	-0.04841
23	19	-25	2.9	0.12241	2.1007	-1.14787	1.74181	0.32815	1.65425	0.13691	1.5353	-0.05902
24	19	-25	1.9	0.26318	2.2166	-1.21789	1.68799	0.36446	1.72571	0.27278	1.13944	-0.15552
25	19	-25	0.9	0.19948	1.94577	-1.25272	1.73082	0.26103	1.5251	0.09933	0.77183	-0.09806
26	19	-25	-0.1	0.15051	1.83162	-1.28817	1.6644	0.21403	1.55612	0.21831	0.9536	-0.03351
27	19	-24	-1.1	0.11069	1.88333	-1.1119	1.80972	0.42499	1.89701	0.09979	1.23872	-0.03779
28	19	-24	-0.1	0.04688	2.05382	-1.19345	1.77914	0.40916	1.72331	0.08911	0.68615	0.02414
29	19	-24	0.9	0.02347	1.95237	-1.17371	1.57776	0.38523	1.60981	0.21532	1.10629	0.1067
30	19	-24	1.9	0.28284	1.95718	-1.16322	1.64895	0.2781	1.73698	0.14532	1.19128	0.04852
31	19	-24	2.9	0.2256	2.12927	-1.29052	1.58816	0.30066	1.55718	-0.08889	0.79045	-0.22345
32	19	-24	3.9	0.38396	2.17475	-1.37459	1.56913	0.2466	1.52552	0.18227	1.22491	0.15964
33	19	-24	4.9	1.15266	2.33155	-1.78208	1.57628	0.31544	1.61473	0.15807	1.34808	0.23216
34	19	-23	4.9	1.16449	2.04601	-1.71193	1.56759	0.19107	1.52531	-0.12414	1.12824	-0.04015
35	19	-23	3.9	0.56493	2.03995	-1.35331	1.59143	0.31975	1.5461	0.01212	0.98327	-0.11865
36	19	-23	2.9	0.24643	1.99252	-1.21236	1.75608	0.46573	1.66576	0.0078	1.03679	-0.32893
37	19	-23	1.9	-0.0821	2.14621	-1.1984	1.60477	0.38138	1.68094	0.31181	1.08709	-0.1636
38	19	-23	0.9	-0.09391	1.9453	-1.25822	1.69423	0.52593	1.66172	0.04083	1.07424	0.23793
39	19	-23	-0.1	-0.02199	2.03401	-1.39535	1.72017	0.55245	1.65213	0.34409	0.94076	0.39982
40	19	-23	-1.1	0.15578	1.99777	-1.29988	1.76917	0.66773	1.6162	0.29818	0.97065	0.04841
41	19	-23	-2.1	0.09728	1.95446	-1.23863	1.62405	0.4952	1.58447	0.14115	0.98153	-0.02069
42	19	-22	-3.1	-0.06134	1.9829	-1.49592	1.76351	0.50879	1.67265	-0.17905	1.29345	-0.20829
43	19	-22	-2.1	-0.00393	1.99072	-1.48753	1.73818	0.67218	1.67644	-0.02149	1.00858	-0.11567
44	19	-22	-1.1	-0.07433	1.72547	-1.37079	1.8316	0.76772	1.76428	-0.00711	1.31427	-0.05771
45	19	-22	-0.1	-0.15326	1.81363	-1.46024	1.83132	0.66417	1.89054	0.15299	1.57625	0.17904
46	19	-22	0.9	0.0225	1.81543	-1.34612	1.85196	0.61537	1.77565	0.2172	1.37068	0.01495
47	19	-22	1.9	-0.0201	2.13285	-0.92765	1.79047	0.74279	1.85588	0.09752	1.37522	0.25252
48	19	-22	2.9	0.10928	2.17556	-1.10101	1.62599	0.46224	1.74568	-0.03947	1.10947	-0.42817
49	19	-22	3.9	0.5051	2.09978	-1.30934	1.68081	0.27865	1.69604	-7.33288E-5	1.68696	-0.12945
50	19	-22	4.9	1.19082	2.26327	-1.47567	1.66032	0.37062	1.70355	0.00842	1.39388	0.10723
51	19	-21	4.9	0.96865	2.32394	-1.44327	1.65371	0.32109	1.61881	0.12553	1.32176	0.1109
52	19	-21	3.9	0.22431	2.04814	-1.21039	1.67156	0.26706	1.56856	0.12086	0.92683	-0.12754
53	19	-21	2.9	0.0754	1.9771	-1.06585	1.72472	0.49759	1.74502	0.27511	1.31564	-0.12637
54	19	-21	1.9	-0.11595	2.27086	-1.1392	1.84382	0.6501	1.93535	0.15393	1.79138	0.06317
55	19	-21	0.9	-0.1948	2.20001	-1.34458	1.86542	0.7531	1.74684	0.28811	1.26733	0.15451
56	19	-21	-0.1	-1.91668E-4	1.9985	-1.44523	1.71396	0.84799	1.72643	0.05091	1.22914	0.01092
57	19	-21	-1.1	0.07877	2.04124	-1.41887	1.86505	0.82064	1.78533	0.12889	1.57253	0.25609
58	19	-21	-2.1	0.04066	2.3785	-1.5082	1.84578	0.75405	1.638	0.33605	1.11535	-0.16042
59	19	-21	-3.1	-0.08861	2.06403	-1.76841	1.78854	0.69292	1.85983	0.09844	1.62752	-0.12364
60	19	-20	-4.1	-0.02489	1.87364	-1.64668	1.85043	0.8852	1.73466	0.28672	1.00002	0.02546
61	19	-20	-3.1	0.08057	2.19589	-1.70816	1.86544	1.11128	1.72248	0.00933	1.41204	0.10585
62	19	-20	-2.1	-0.00194	2.16033	-1.56736	1.86393	1.09202	1.81434	-0.10139	1.52426	0.01303
63	19	-20	-1.1	0.08669	2.06487	-1.39985	1.89327	1.17184	1.82562	0.03015	1.56711	-0.12147
64	19	-20	-0.1	-0.0836	2.19231	-1.37369	1.73422	1.05601	1.70055	0.19978	1.45671	0.00613
65	19	-20	0.9	-0.13081	2.02298	-1.23203	1.97183	0.78515	1.89536	0.11666	1.42527	0.29313
66	19	-20	1.9	-0.09324	1.88286	-0.98911	1.77974	0.76424	1.9089	0.38347	1.55575	0.33855
67	19	-20	2.9	0.08342	2.1416	-0.71356	1.9045	0.70072	1.91016	-0.22542	1.58538	-0.15414
68	19	-20	3.9	0.44376	2.11028	-0.83184	1.59291	0.38601	1.56562	0.03366	0.97124	-0.26162

69	19	-20	4.9	1.16421	2.18312	-1.20201	1.69679	0.29123	1.57753	-0.09418	0.92483	-0.23243
70	19	-19	4.9	1.02675	2.3277	-1.17301	1.61827	0.23762	1.58248	-0.09159	1.34929	-0.13854
71	19	-19	3.9	0.46387	2.18966	-0.75497	1.65044	0.51687	1.69127	-0.4175	1.20235	-0.37929
72	19	-19	2.9	0.00219	2.00368	-0.74794	1.63993	0.56896	1.72267	0.14877	1.06301	-0.03571
73	19	-19	1.9	-0.03285	2.33166	-0.76313	1.89405	0.72409	1.97566	0.10907	1.71079	-0.39205
74	19	-19	0.9	-0.00726	2.11188	-1.15463	1.7792	0.82531	1.80176	0.02735	1.4375	0.0406
75	19	-19	-0.1	-0.1295	2.13316	-1.3196	1.7775	0.93498	1.70412	0.22362	1.09798	0.08181
76	19	-19	-1.1	-0.08701	2.26947	-1.49131	1.86875	1.05733	1.8961	0.31795	1.69213	0.19269
77	19	-19	-2.1	-0.0591	2.04532	-1.64799	1.87566	1.3315	1.85862	-0.05565	1.57961	-0.11666
78	19	-19	-3.1	-0.00334	2.04857	-1.85733	1.88414	1.24376	1.76172	-0.03248	1.34308	0.14546
79	19	-19	-4.1	0.06231	1.81119	-1.87156	1.85505	1.11275	1.61962	0.1537	1.16977	0.00596
80	19	-19	-5.1	-0.06454	2.09516	-2.01328	1.85285	0.84163	1.64009	0.11825	1.18459	0.15661
81	19	-18	-6.1	-0.00698	2.12243	-1.9399	1.95303	1.16794	1.80165	-0.19843	1.26426	-0.02134
82	19	-18	-5.1	-0.07674	2.13035	-2.02001	1.8825	1.25425	1.79805	-0.1521	1.35344	-0.18337
83	19	-18	-4.1	0.019	1.98897	-2.02924	1.84571	1.39395	1.67176	0.05455	1.24635	0.08285
84	19	-18	-3.1	1.74692E-4	2.27078	-1.8667	1.87707	1.40091	1.78502	-0.35892	1.23022	-0.12467
85	19	-18	-2.1	-0.09996	2.23029	-1.49708	1.87298	1.36876	1.70911	0.0114	1.21699	-0.11664
86	19	-18	-1.1	0.11644	2.12909	-1.40269	1.62511	1.07916	1.62942	0.38976	0.65701	-0.0816
87	19	-18	-0.1	-0.12375	2.11861	-1.12875	1.73645	1.17811	1.70526	-0.27633	1.12559	-0.16811
88	19	-18	0.9	0.01125	2.13762	-1.16298	1.88295	0.74434	1.85572	0.08854	1.24691	0.04011
89	19	-18	1.9	-0.0175	2.07977	-0.7779	1.7929	0.48336	1.86688	0.54506	1.35486	0.11835
90	19	-18	2.9	-0.13306	2.04551	-0.65608	1.67538	0.36656	1.71824	0.15075	1.21596	-0.2201
91	19	-18	3.9	0.51447	2.24184	-0.60318	1.84625	0.22875	1.78791	0.0967	1.6255	0.00907
92	19	-18	4.9	0.88793	2.35101	-0.78025	1.83262	0.40934	1.76199	-0.16441	1.76307	-0.0262
93	19	-17	4.9	1.15046	2.28429	-0.96564	1.67392	0.20849	1.75736	-0.12042	1.09868	0.49089
94	19	-17	3.9	0.46416	1.9217	-0.53669	1.82649	0.39101	1.82738	0.15817	1.02748	0.00196
95	19	-17	2.9	0.07973	2.35989	-0.29762	1.90212	0.37181	2.02677	0.64358	1.81888	0.47718
96	19	-17	1.9	0.02954	2.01568	-0.61672	1.85652	0.53208	1.79697	0.10483	1.3031	-0.08458
97	19	-17	0.9	-0.1107	2.2529	-0.98316	1.73318	0.5513	1.61614	0.33627	0.85002	-0.08891
98	19	-17	-0.1	-0.10332	1.82992	-1.25732	1.86778	0.69189	1.77689	0.30219	1.01477	0.23222
99	19	-17	-1.1	-0.27717	1.89509	-1.48677	1.8808	0.98222	1.96739	-0.13318	1.17604	0.00862
100	19	-17	-2.1	0.01726	2.08177	-1.73985	1.79004	1.21664	1.65796	0.13537	0.85329	0.14728
101	19	-17	-3.1	0.03929	1.94771	-2.05394	1.82386	1.30265	1.8268	-0.09351	1.20463	0.15148
102	19	-17	-4.1	0.01254	2.20213	-2.16978	1.90031	1.47507	1.80254	-0.01194	1.2074	0.0962
103	19	-17	-5.1	0.16643	1.97171	-2.41025	1.95275	1.38514	1.82282	0.0072	1.02032	0.22225
104	19	-17	-6.1	0.20841	2.04032	-2.26664	2.03883	1.22215	1.90182	0.19017	1.2856	-0.27509
105	19	-17	-7.1	0.05457	2.13912	-2.19714	1.95122	1.16865	1.68407	-0.40762	1.33831	0.0246
106	19	-16	-7.1	0.0647	2.1688	-2.54179	2.01122	1.31177	1.74015	-0.32726	1.26979	-0.05514
107	19	-16	-6.1	0.23099	2.0129	-2.53121	2.03074	1.56079	1.92283	-0.27743	1.48984	-0.01793
108	19	-16	-5.1	0.03622	2.21332	-2.42753	1.95405	1.51027	1.89802	-0.49327	1.48549	-0.16499
109	19	-16	-4.1	0.0328	2.11029	-2.40713	1.86587	1.39917	1.91607	-0.02557	1.35075	0.05941
110	19	-16	-3.1	0.16324	1.92884	-1.90051	1.89891	1.29181	1.89327	0.03954	0.91415	-0.31485
111	19	-16	-2.1	-0.122	2.05098	-1.52293	1.84869	1.06235	1.87622	0.12629	1.23416	-0.07348
112	19	-16	-1.1	-0.20908	2.07813	-1.3433	1.84842	0.8624	1.90058	0.04791	1.46597	0.16046
113	19	-16	-0.1	-0.11695	2.10483	-0.8904	1.84306	0.7413	1.91664	-0.0777	1.49495	0.08882
114	19	-16	0.9	-0.3658	1.78801	-0.66678	1.95856	0.56245	2.06178	0.18501	1.58752	-0.08103
115	19	-16	1.9	-0.08925	2.17842	-0.63198	1.81068	0.36932	1.83362	0.18939	1.53071	0.17588
116	19	-16	2.9	0.15115	2.13252	-0.24828	1.89493	0.11379	1.80923	0.29693	1.52296	-0.06887
117	19	-16	3.9	0.57144	1.97604	-0.47861	1.7753	0.3736	1.79867	0.21389	1.33986	0.13678
118	19	-16	4.9	1.12237	2.29102	-0.75714	1.83151	0.18558	1.6655	-0.18176	1.08656	-0.37703
119	19	-15	4.9	1.23656	2.20468	-0.66844	1.79876	0.3251	1.82392	-0.17559	1.28704	-0.06381
120	19	-15	3.9	0.34283	2.29921	-0.39715	1.89098	0.22471	1.99639	0.11476	1.81458	-0.07403
121	19	-15	2.9	0.0284	2.06686	-0.12387	1.90068	0.26492	1.89793	0.14005	1.58933	-0.0929

122	19	-15	1.9	-0.06072	2.11093	-0.51804	1.80914	0.29677	1.96659	0.70793	1.07393	0.17427
123	19	-15	0.9	-0.33594	2.01892	-0.64603	1.83922	0.58804	1.85733	0.41556	0.6939	0.37557
124	19	-15	-0.1	-0.2685	2.08583	-0.93915	1.77786	0.57707	1.92833	-0.07426	1.42085	0.05029
125	19	-15	-1.1	-0.29527	2.17036	-1.0875	1.80404	0.84638	1.9595	0.46857	1.4051	0.39468
126	19	-15	-2.1	0.00359	2.01416	-1.56624	1.96598	1.0343	1.94203	0.18504	0.93444	-0.02966
127	19	-15	-3.1	0.18535	2.11149	-1.82933	1.87555	1.20752	1.95677	-0.30514	0.6467	-0.18621
128	19	-15	-4.1	0.21707	2.20298	-2.29759	1.88364	1.55172	1.97143	-0.19837	0.81704	-0.09107
129	19	-15	-5.1	0.39032	2.2267	-2.56507	1.86455	1.40668	1.88471	-0.11231	0.65663	-0.01644
130	19	-15	-6.1	0.42575	2.29343	-2.84029	2.00123	1.76147	1.81397	-0.25389	0.73101	0.06692
131	19	-15	-7.1	0.29097	2.20005	-2.78874	2.11704	1.49125	1.82545	-0.45655	1.21731	0.1815
132	19	-15	-8.1	0.29636	2.07476	-2.44468	2.03785	1.26498	1.79699	-0.8755	1.23169	0.00104
133	19	-14	-8.1	0.38712	2.19509	-2.85847	2.06129	1.4082	1.73934	-0.48272	0.88211	0.1811
134	19	-14	-7.1	0.6042	2.31188	-3.14154	2.00643	1.69618	1.85921	-0.16862	0.5388	0.01894
135	19	-14	-6.1	0.44807	2.19378	-3.0408	2.09559	1.92751	1.96659	-0.15148	0.82608	-0.13659
136	19	-14	-5.1	0.56781	2.09897	-2.80351	1.95688	1.64578	2.03223	-0.10985	0.83942	-0.20696
137	19	-14	-4.1	0.39462	2.1077	-2.14827	1.88604	1.34888	2.09466	0.11425	0.65731	-0.26457
138	19	-14	-3.1	0.20084	2.15492	-1.80126	1.86778	1.04363	1.90278	-0.05722	0.5176	-0.08031
139	19	-14	-2.1	0.03132	2.24225	-1.4199	1.85343	0.7292	1.89035	0.08544	1.02191	-0.03789
140	19	-14	-1.1	0.12292	2.10851	-1.05677	1.79253	0.62957	1.84864	0.35551	0.98902	0.0315
141	19	-14	-0.1	-0.17358	1.97371	-0.759	1.86886	0.49089	1.90565	0.25898	1.05403	0.32827
142	19	-14	0.9	-0.36999	1.89276	-0.56352	1.8593	0.39313	2.02053	0.00232	1.5153	-0.0654
143	19	-14	1.9	-0.33516	1.94492	-0.4085	1.95289	0.16483	1.97036	0.23149	1.24141	-0.0125
144	19	-14	2.9	0.04263	1.97721	-0.17562	1.92753	0.24181	1.91011	0.11765	1.2063	0.21369
145	19	-14	3.9	0.48671	2.14585	-0.24511	1.7912	0.07929	1.78068	-0.06136	0.9401	-0.39614
146	19	-14	4.9	0.9804	2.4262	-0.52642	1.79008	0.29026	1.7554	-0.24807	1.28274	-0.24302
147	19	-13	4.9	1.15989	2.36177	-0.58328	1.85476	0.3512	1.61813	-0.2039	1.15039	-0.3017
148	19	-13	3.9	0.33344	1.86898	-0.19152	1.83769	0.17652	1.82258	0.02333	1.04289	0.06249
149	19	-13	2.9	0.00375	2.07712	-0.17583	1.85638	0.03876	1.8309	0.14695	1.32665	0.09643
150	19	-13	1.9	-0.23771	1.85849	-0.11518	1.88296	0.23188	1.95665	-0.03096	1.10995	-0.25656
151	19	-13	0.9	-0.24534	1.82924	-0.66294	1.87362	0.09894	1.78673	0.23978	1.11184	0.04899
152	19	-13	-0.1	-0.35987	1.86592	-0.88773	1.83972	0.22779	1.84858	-0.06653	1.01517	-0.13217
153	19	-13	-1.1	-0.21098	1.78872	-1.01098	1.71308	0.53837	1.83384	0.34703	0.95436	-0.1286
154	19	-13	-2.1	0.05468	2.04647	-1.36584	1.92283	0.75172	2.06209	0.0545	0.87582	-0.00563
155	19	-13	-3.1	0.19655	2.15777	-1.73623	1.9103	1.09352	2.0168	-0.06406	0.53033	0.12866
156	19	-13	-4.1	0.44479	2.10808	-2.22655	1.93904	1.47871	2.07945	0.10964	0.58862	-0.17793
157	19	-13	-5.1	0.65774	2.24531	-2.79289	1.93222	1.77578	2.07729	-0.04354	0.23081	0.07199
158	19	-13	-6.1	0.86099	2.28163	-3.31024	1.99158	1.88167	1.99019	-0.24487	0.06832	-0.17533
159	19	-13	-7.1	0.77406	2.42627	-3.50535	2.0562	1.8457	1.99015	-0.45657	0.40594	-0.03015
160	19	-12	-6.1	1.17223	2.26712	-3.30396	2.06991	1.99933	2.03306	-0.24722	0.39895	0.14588
161	19	-12	-4.1	0.57162	2.25266	-2.30348	1.99144	1.49816	2.18486	0.03057	0.75873	-0.04058
162	19	-12	-3.1	0.30006	2.2437	-1.8303	1.96492	0.88933	2.00189	0.09001	0.68466	-0.26629
163	19	-12	-2.1	0.05748	2.21585	-1.28134	1.98233	0.66821	2.06383	0.01828	1.02816	-0.18944
164	19	-12	-1.1	-0.13448	1.94627	-0.99542	1.9304	0.61028	2.08402	-0.21131	0.97121	-0.19737
165	19	-12	-0.1	-0.41555	2.1493	-0.8231	1.82675	0.21453	1.81345	0.06301	1.00347	0.18516
166	19	-12	0.9	-0.11417	2.12027	-0.71162	1.8929	-0.02748	1.87854	0.09112	1.42173	0.21566
167	19	-12	1.9	-0.29605	1.89628	-0.11326	1.98088	0.05679	1.96589	-0.12073	1.1884	-0.02619
168	19	-12	2.9	-0.11246	2.23053	-0.19521	1.84332	0.06395	1.85095	0.05762	1.19578	0.12814
169	19	-12	3.9	0.51743	2.08545	-0.13056	1.91047	0.18374	1.91196	-0.16434	1.28187	-0.19238
170	19	-12	4.9	1.34407	2.3173	-0.55319	2.0181	0.25998	1.86325	-0.14598	1.28715	-0.50622
171	19	-11	4.9	1.33905	2.25051	-0.49269	1.77501	0.19713	1.61951	-0.2435	1.20881	-0.21284
172	19	-11	3.9	0.46356	2.32856	-0.36913	1.81862	0.00936	1.77722	0.0054	1.34572	-0.18397
173	19	-11	2.9	-0.11018	1.78419	-0.17654	1.91751	0.29136	1.85018	-0.06472	1.31075	-0.12646
174	19	-11	1.9	-0.12262	2.14137	-0.35919	1.88335	0.07842	1.90527	0.33712	1.42195	-0.17608

175	19	-11	0.9	-0.38866	1.96549	-0.5458	1.82096	0.27318	1.77974	-0.12495	1.04112	-0.10246
176	19	-11	-0.1	-0.18795	1.82779	-0.99177	1.79376	0.15594	1.99971	0.18537	1.24956	0.18776
177	19	-11	-1.1	-0.27407	2.00838	-1.04182	2.06182	0.6181	1.9799	-0.05841	1.57143	0.07929
178	19	-11	-2.1	0.01976	1.96933	-1.31445	1.83782	0.66444	1.97294	0.0021	0.82808	0.02147
179	19	-11	-3.1	0.26347	2.18486	-1.53691	1.83034	1.02717	2.04302	0.18964	0.72954	0.2255
180	19	-11	-5.1	1.2013	2.40333	-2.72657	2.17166	1.96443	2.11595	-0.22096	0.75238	-0.0486
181	19	-11	-6.1	1.47445	2.34027	-3.36682	1.93263	2.25786	1.938	-0.2061	0.52483	0.03609
182	19	-10	-6.1	1.59065	2.56359	-2.82814	2.19638	2.12545	2.21902	-0.10252	0.24898	0.08354
183	19	-10	-5.1	1.17333	2.56259	-2.39643	2.02037	2.0362	2.19444	0.0414	1.13218	0.03785
184	19	-10	-4.1	0.82486	2.42347	-1.94189	1.92361	1.55193	1.95949	0.11442	0.33277	-0.23536
185	19	-10	-2.1	0.25034	2.14914	-1.28095	1.83804	1.09989	1.82902	0.03418	0.7244	0.23246
186	19	-10	-1.1	-0.13389	2.05272	-1.166	1.89979	0.55492	1.87309	0.11228	0.98086	-0.32738
187	19	-10	-0.1	-0.29724	1.92125	-0.84927	1.83258	0.48966	1.86502	-0.02477	0.89948	-0.09537
188	19	-10	0.9	-0.27727	1.97093	-0.7052	1.79584	0.15262	1.85299	-0.07652	1.17847	0.10207
189	19	-10	1.9	-0.2323	1.93016	-0.44869	2.01564	0.33694	1.98027	-0.21358	1.43845	0.06142
190	19	-10	2.9	0.12671	1.86861	-0.07885	2.01647	0.17064	2.00225	0.30635	1.63693	-0.16205
191	19	-10	3.9	0.60009	2.20286	-0.3417	1.93558	0.0812	1.87514	0.04446	1.36406	-0.26015
192	19	-10	4.9	1.43551	2.45766	-0.56044	1.7774	0.16792	1.7122	0.11529	1.22059	-0.08087
193	19	-9	4.9	1.30585	2.52453	-0.40388	1.70792	0.13523	1.70321	0.07105	1.11587	-0.18283
194	19	-9	3.9	0.69454	2.28422	-0.27527	1.89525	0.09614	1.87191	0.03635	0.99221	-0.41689
195	19	-9	2.9	0.07185	1.95615	-0.25381	1.92121	0.23596	1.80065	-0.07723	1.25892	0.11795
196	19	-9	1.9	-0.38225	1.86357	-0.31471	1.98212	0.41162	1.92859	-0.00186	1.8681	-0.10635
197	19	-9	0.9	-0.16252	2.0913	-0.80494	2.04114	0.39596	1.8596	0.06396	1.50717	-0.05971
198	19	-9	-0.1	-0.05103	2.09019	-0.62719	1.95647	0.94056	2.00821	0.0723	1.68419	-0.08136
199	19	-9	-1.1	-0.02869	1.84488	-1.02741	1.83457	1.03528	1.91054	0.13971	1.35174	0.20028
200	19	-9	-3.1	0.66829	2.25981	-1.71155	1.83993	1.47361	1.97707	-0.16552	1.29195	0.07349
201	19	-9	-4.1	1.25776	2.19116	-1.88609	1.86498	1.78752	2.07636	0.2372	1.06922	0.06169
202	19	-9	-5.1	1.24213	2.44125	-2.1485	2.14448	2.18144	2.17267	-0.18308	1.50317	-0.04895
203	19	-8	-4.1	1.41885	2.61182	-1.59563	1.88179	1.70656	1.91027	-0.21982	1.35453	-0.04749
204	19	-8	-3.1	0.37129	2.47798	-1.18061	1.83267	1.36103	1.90427	-0.09491	1.97406	0.28372
205	19	-8	-2.1	0.7223	2.17587	-1.15582	1.69756	1.48274	1.72166	0.05862	1.22427	0.26271
206	19	-8	-1.1	0.10946	1.95862	-1.02833	1.88764	1.37284	1.97816	-0.00469	2.0486	-0.20774
207	19	-8	-0.1	0.07343	1.92662	-0.70816	1.84873	1.06963	2.02534	-0.25923	1.89796	-0.02748
208	19	-8	0.9	0.08852	2.1652	-0.62037	1.88182	0.84768	1.91384	0.30052	1.51712	0.04752
209	19	-8	1.9	-0.13893	2.12807	-0.46519	1.78303	0.48884	1.86406	0.37041	1.4389	0.32674
210	19	-8	2.9	0.18723	2.27503	-0.26856	1.79478	0.29251	2.00598	-0.06404	1.49701	-0.21932
211	19	-8	3.9	0.95789	2.49998	-0.17283	1.69365	0.17233	1.58087	0.04565	1.12262	-0.21113
212	19	-8	4.9	1.38615	2.65914	-0.30192	1.77967	0.29688	1.6253	-0.20851	0.94338	-0.14035
213	19	-7	4.9	1.36729	2.59134	-0.35614	1.84216	0.24255	1.72394	0.13071	1.41028	-0.40745
214	19	-7	3.9	0.78526	2.38426	-0.26962	1.92362	0.31771	1.98893	-0.00555	1.41355	-0.33153
215	19	-7	2.9	0.01771	2.39591	-0.16627	1.7164	0.37343	1.83658	0.29223	1.32546	-0.10921
216	19	-7	1.9	-0.10864	2.37955	-0.32606	1.67132	0.55733	1.84909	0.09361	1.31694	-0.0533
217	19	-7	0.9	-0.08959	2.12934	-0.4606	1.89685	1.02884	1.98927	0.11737	2.06741	0.22257
218	19	-7	-0.1	-0.09812	2.12371	-0.49669	1.85914	1.40304	1.8634	0.18046	1.62817	-0.03292
219	19	-7	-1.1	-0.14337	2.21769	-0.81508	2.02045	1.55225	2.11829	0.13183	2.51522	0.46717
220	19	-7	-2.1	0.51683	2.41011	-0.86676	1.95555	1.58902	1.96009	0.22939	2.18526	0.56149
221	19	-7	-3.1	0.17761	2.24306	-0.64955	2.02618	0.43317	2.03613	-0.33488	2.09043	0.34719
222	19	-6	-2.1	-0.09172	2.30205	-0.55753	1.89968	0.74259	1.82804	-0.0651	1.91552	-0.05415
223	19	-6	-1.1	-0.21183	2.46979	-0.58554	1.81778	0.83389	2.06297	-0.23331	2.12746	0.34566
224	19	-6	-0.1	-0.2093	2.41171	-0.40296	1.64863	1.07267	1.85897	0.19982	1.60747	0.24226
225	19	-6	0.9	-0.10617	2.327	-0.13231	1.77367	0.92385	1.85389	0.01468	1.72282	-0.15748
226	19	-6	1.9	-0.00978	2.34485	-0.14913	2.0157	0.64276	2.01077	-0.20026	1.73116	-0.06866
227	19	-6	2.9	0.15983	2.38697	-0.15576	1.82329	0.29496	1.90204	0.30622	1.19011	0.14993

228	19	-6	3.9	0.78602	2.59943	-0.26186	1.61188	0.12762	1.67852	0.55633	1.18751	0.09268
229	19	-6	4.9	1.25548	2.48016	-0.38676	1.78911	0.02855	1.74163	0.37836	1.13235	0.05577
230	19	-5	4.9	1.32983	2.72206	-0.435	1.77342	-0.00628	1.68687	-0.13235	0.99896	-0.20474
231	19	-5	3.9	0.72467	2.4738	-0.12843	1.71149	-0.08249	1.68866	0.24788	0.62954	-0.26262
232	19	-5	2.9	0.32004	2.54249	-0.11599	1.816	0.00264	1.80117	-0.05455	0.95147	-0.15419
233	19	-5	1.9	-0.00332	2.56024	0.06649	1.78263	0.40068	1.85477	0.05348	1.22661	-0.32331
234	19	-5	0.9	-0.176	2.36065	-0.23709	1.81379	0.5262	1.96455	0.32758	0.73886	0.2839
235	19	-5	-0.1	-0.45246	2.23285	-0.26046	1.80462	0.55097	1.83897	0.11334	1.41598	0.16085
236	19	-5	-1.1	-0.33366	2.22049	-0.5541	1.82899	0.45205	1.91584	-0.00404	1.79387	0.06194
237	19	-4	-1.1	-0.35561	2.30413	-0.72781	1.57014	-0.10638	1.65687	0.03024	0.94884	0.1463
238	19	-4	-0.1	-0.38981	2.34211	-0.37842	1.95044	0.07719	1.98628	0.16633	1.4759	0.07065
239	19	-4	0.9	-0.30083	2.33568	-0.06244	1.81405	-0.11522	1.75128	0.16666	0.82374	-0.07751
240	19	-4	2.9	0.53522	2.64566	-0.1483	1.80274	-0.35905	1.8159	-0.01571	0.75249	-0.0471
241	19	-4	3.9	1.12522	2.62772	-0.3166	1.77401	-0.32204	1.64994	0.1731	0.6379	0.4108
242	19	-4	4.9	1.60429	2.61617	-0.63645	1.71887	-0.10868	1.599	0.09607	0.66277	-0.34095
243	19	-3	4.9	1.74027	2.77224	-0.94933	1.67121	-0.21485	1.61272	-0.0635	0.94989	-0.27821
244	19	-3	3.9	1.27525	2.77943	-0.684	1.76146	-0.63541	1.69996	-0.334	0.74436	-0.02367
245	19	-3	1.9	0.28579	2.6716	-0.70871	1.58389	-0.11133	1.65234	-0.91297	-0.52565	0.41866
246	19	-3	0.9	-0.17161	2.47292	-0.37853	1.87266	-0.43026	1.99696	0.66682	0.92059	-0.17369
247	19	-3	-0.1	-0.36492	2.18509	-0.5421	1.71098	-0.55671	1.72616	0.15538	0.92172	-0.0402
248	19	-2	4.9	-0.13943	3.14652	0.00202	1.50094	-0.72678	1.65998	-0.0853	0.32533	-1.07231
249	19	-1	4.9	1.41214	2.78255	-0.55866	1.9737	-0.12968	1.84186	0.09241	0.3784	-0.02015
250	19	-1	3.9	1.07352	2.59964	-0.55308	1.80112	-0.65238	1.80076	0.02823	0.30216	-0.02235
251	19	-1	1.9	0.36533	2.7551	-0.5775	1.91956	-0.71691	1.83914	0.33041	0.21823	0.00512
252	19	0	2.9	0.6148	2.52275	-1.12706	1.68125	-0.46032	1.61014	0.39642	0.14821	-0.29543
253	19	0	3.9	1.20415	2.45878	-0.85021	1.69906	-0.47751	1.71715	0.43372	0.86215	-0.13229
254	19	0	4.9	1.46263	2.77078	-0.84761	1.87071	-0.16991	1.67298	0.05677	0.77439	-0.42404
255	19	1	4.9	1.51141	2.68383	-1.22231	1.79219	-0.25041	1.61759	-0.1051	0.65386	-0.51137
256	19	1	3.9	0.9997	2.5653	-1.12271	1.73953	-0.43333	1.79982	0.10366	0.84532	-0.09944
257	19	2	4.9	1.39415	2.57584	-1.45294	1.72958	-0.34415	1.57168	0.30467	1.06005	0.34238
258	19	4	4.9	0.81583	2.29375	-1.56045	1.74419	0.74492	1.87934	0.67739	0.41474	-0.64388
259	19	5	4.9	0.58589	2.04417	-1.27428	2.11701	2.25199	2.20122	0.4507	1.16938	-0.23659
260	19	5	3.9	0.46195	1.98157	-1.34479	1.97321	2.97613	2.32554	0.10519	1.77395	0.2356
261	19	6	2.9	0.37532	1.89715	-1.1937	2.14431	3.2075	2.35736	-0.23186	2.73304	0.23955
262	19	6	3.9	0.58041	2.04452	-1.36663	2.12504	3.28035	2.3169	-0.21539	2.09166	-0.23298
263	19	6	4.9	1.00097	1.99042	-1.07671	1.81729	2.78277	2.13287	0.19443	1.4452	-0.01881
264	19	7	4.9	1.01327	2.22246	-0.65733	1.92521	2.30615	2.21787	0.3009	1.16125	0.41681
265	19	7	3.9	1.0944	2.51357	-1.27782	2.03966	3.04676	2.07975	0.18628	1.4853	0.36899
266	19	7	2.9	1.25225	2.58526	-1.8051	1.97509	3.57742	2.02751	0.01677	1.44901	0.42069
267	19	8	3.9	1.15428	2.79905	-0.71331	1.95177	2.77341	2.11392	0.09548	1.61101	0.31931
268	19	8	4.9	1.22088	2.76333	-0.29979	2.10256	2.25785	2.20351	0.29056	1.59847	0.14307
269	19	9	4.9	0.89584	2.82122	0.33414	2.25773	2.08684	2.4042	0.44145	2.46295	0.8366

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	24	-31	4.9	0.87119	2.49027	-1.787	1.1653	0.11634	1.19246	-0.07976	0.45652	-0.11456
2	24	-30	3.9	0.41236	2.23077	-1.5251	1.29953	0.12835	1.31323	0.29207	0.65044	-0.03046
3	24	-30	4.9	0.57698	2.24184	-1.79318	1.28709	0.21	1.32121	0.05645	0.40731	-0.16837
4	24	-29	4.9	0.71216	2.4527	-1.68698	1.34003	0.25634	1.24663	-0.03464	0.84377	0.13314
5	24	-29	3.9	0.45638	2.5676	-1.54137	1.44292	0.30496	1.50216	-0.07873	0.91818	-0.17068
6	24	-29	2.9	0.01797	2.6174	-1.32382	1.49868	0.21082	1.55827	-0.1883	1.0826	0.16253
7	24	-28	1.9	-0.23825	2.63507	-1.34737	1.41592	0.19441	1.39996	0.0355	0.7459	-0.06692
8	24	-28	2.9	-0.03581	2.81784	-1.27432	1.42616	0.31941	1.41242	-0.1254	0.61623	0.19007
9	24	-28	3.9	0.25294	2.54131	-1.43701	1.42112	0.37901	1.42891	0.34757	0.76755	-0.18389
10	24	-28	4.9	0.57044	2.55851	-1.68774	1.42321	0.3051	1.36349	-0.09801	0.53036	-0.09929
11	24	-27	4.9	0.52287	2.54474	-1.7111	1.55286	0.18386	1.4888	0.10181	0.78667	0.00692
12	24	-27	3.9	0.07394	2.5606	-1.53953	1.42506	0.3475	1.39285	-0.09261	0.59491	0.28284
13	24	-27	2.9	-0.19915	2.48318	-1.43796	1.56505	0.23486	1.69618	-0.02335	0.8807	0.03553
14	24	-27	1.9	0.02374	2.41318	-1.4215	1.44998	0.4686	1.47269	0.39934	0.69825	-0.01666
15	24	-27	0.9	-0.05467	2.48802	-0.97878	2.18203	0.87632	2.30182	0.34868	3.39242	0.07213
16	24	-26	0.9	-0.19412	2.33186	-1.40185	1.45214	0.41374	1.49439	0.20815	0.81688	0.06216
17	24	-26	1.9	0.01149	2.50714	-1.33418	1.54909	0.65563	1.47857	-0.09825	1.04642	-0.02082
18	24	-26	2.9	-0.04775	2.30035	-1.38335	1.5356	0.55589	1.56243	-0.14356	1.05534	-0.00277
19	24	-26	3.9	0.20229	2.58066	-1.54994	1.49132	0.42575	1.53906	0.20095	0.88392	0.389
20	24	-26	4.9	0.67905	2.55864	-1.35901	1.49921	0.41939	1.58123	-0.19898	0.8719	-0.37634
21	24	-25	4.9	0.40536	2.65686	-1.37273	1.34029	0.36233	1.35228	-0.19505	0.54292	-0.3302
22	24	-25	3.9	0.04867	2.40957	-1.26212	1.53325	0.61228	1.54251	-0.06424	0.94136	-0.26331
23	24	-25	2.9	-0.03575	2.39207	-1.33633	1.54012	0.4018	1.51798	0.07648	0.78951	-0.03319
24	24	-25	1.9	-0.06601	2.4823	-1.34198	1.79676	0.55085	1.79552	0.13861	1.76597	0.41463
25	24	-25	0.9	0.07303	2.55888	-1.36009	1.78446	0.50539	1.60893	-0.24881	1.07599	-0.05188
26	24	-25	-0.1	0.10989	2.68234	-1.2701	1.7108	0.5899	1.67494	0.06063	1.00124	0.33549
27	24	-24	-1.1	-0.17298	2.35342	-1.49399	1.67064	0.40982	1.57548	-0.25394	1.10927	0.04111
28	24	-24	-0.1	0.04375	2.5017	-1.4846	1.67964	0.69735	1.53195	0.04425	0.9368	0.21319
29	24	-24	0.9	0.37363	2.71798	-1.49649	1.57328	0.68979	1.59196	-0.07828	0.8529	0.1887
30	24	-24	1.9	-0.11387	2.49261	-1.43992	1.5626	0.72863	1.56212	-0.13344	0.87106	0.00991
31	24	-24	2.9	0.32291	2.66429	-1.27774	1.59172	0.5758	1.51758	0.02709	0.8307	-0.17336
32	24	-24	3.9	0.54428	2.56593	-1.29486	1.43071	0.5796	1.4838	0.23039	0.66726	-0.24527
33	24	-24	4.9	0.73509	2.56611	-1.42198	1.37705	0.30832	1.34007	0.18913	0.86499	0.00145
34	24	-23	4.9	0.5736	2.43281	-1.19945	1.58604	0.41509	1.53309	0.06637	0.99515	-0.3294
35	24	-23	3.9	0.28914	2.53543	-1.13996	1.52045	0.60685	1.41707	-0.04994	1.02839	-0.1456
36	24	-23	2.9	0.06437	2.35419	-1.3784	1.70254	0.61228	1.68075	-0.02404	1.21863	0.03148
37	24	-23	1.9	0.13021	2.48337	-1.44936	1.57771	0.64397	1.61974	-0.21211	1.02775	0.01328
38	24	-23	0.9	0.13997	2.63386	-1.39669	1.72753	0.83289	1.73184	0.02293	1.56812	-0.0897
39	24	-23	-0.1	0.15525	2.58891	-1.47965	1.5348	0.70376	1.47939	0.02328	0.82695	0.05333
40	24	-23	-1.1	0.23455	2.58699	-1.39097	1.80092	0.73385	1.68582	-0.31736	1.53366	-0.15266
41	24	-23	-2.1	-0.09091	2.55246	-1.39641	1.5642	0.74425	1.59124	0.22788	1.02489	-0.13709
42	24	-22	-3.1	0.05761	2.47358	-1.37592	1.65235	0.58838	1.65654	-5.41196E-4	1.32278	0.11977
43	24	-22	-2.1	0.22991	2.7113	-1.31014	1.74146	0.67484	1.63647	-0.00605	1.06194	-0.39872
44	24	-22	-1.1	0.0793	2.56804	-1.37554	1.69754	0.69896	1.60324	-0.01833	0.80486	-0.05275
45	24	-22	-0.1	0.24021	2.39141	-1.59912	1.49256	0.66834	1.54489	0.17455	1.11561	0.21912
46	24	-22	0.9	0.30692	2.3852	-1.54269	1.5495	0.6609	1.59053	-0.10405	0.85929	0.15199
47	24	-22	1.9	-0.05975	2.44176	-1.45299	1.53645	0.54271	1.58896	0.01017	1.05306	0.28253
48	24	-22	2.9	0.07753	2.20158	-1.42876	1.64962	0.57825	1.53123	0.28033	0.88777	0.29043
49	24	-22	3.9	0.41323	2.2727	-1.07014	1.61901	0.55135	1.62443	-0.14258	0.85293	0.07725
50	24	-22	4.9	0.65403	2.51177	-1.24735	1.52556	0.26605	1.56551	0.13902	0.65093	0.04192
51	24	-21	4.9	0.68202	2.62696	-1.11386	1.60025	0.41528	1.5459	-0.31472	0.80532	-0.48422

52	24	-21	3.9	0.2568	2.43932	-1.07138	1.71931	0.50688	1.77043	0.16364	1.357	-0.28763
53	24	-21	2.9	0.08319	2.48249	-1.19656	1.7522	0.67861	1.68011	0.01774	1.83807	0.19279
54	24	-21	1.9	0.19596	2.53041	-1.34757	1.73832	0.69486	1.65359	0.04409	1.01829	-0.02872
55	24	-21	0.9	0.02843	2.49437	-1.47646	1.65804	0.78072	1.73646	-0.41811	1.20934	-0.13313
56	24	-21	-0.1	0.13598	2.3091	-1.47292	1.85807	0.76492	1.76054	0.10386	1.53201	0.28473
57	24	-21	-1.1	-0.03103	2.53529	-1.57084	1.6385	0.70401	1.5945	-0.04026	1.26866	0.27193
58	24	-21	-2.1	0.14844	2.53853	-1.47224	1.722	0.72406	1.68024	-0.24205	1.32907	0.29358
59	24	-21	-3.1	-0.01687	2.4442	-1.53717	1.63282	0.54383	1.53234	-0.33082	1.40896	-0.04247
60	24	-20	-4.1	0.16567	2.46832	-1.45649	1.68108	0.49293	1.6311	-0.15824	0.90636	-0.25304
61	24	-20	-3.1	0.19398	2.77915	-1.37913	1.90777	0.89948	1.81023	0.42125	2.02887	-0.01271
62	24	-20	-2.1	-0.02885	2.42626	-1.49827	1.85728	0.77793	1.81965	-0.4524	1.96328	0.25819
63	24	-20	-1.1	0.13323	2.49842	-1.58011	1.67257	0.81067	1.69463	0.15123	1.36502	0.09436
64	24	-20	-0.1	0.04487	2.33875	-1.5177	1.59334	0.71033	1.56362	-0.27273	1.02751	0.16289
65	24	-20	0.9	-0.20913	2.37207	-1.33957	1.6702	0.54286	1.6432	0.3628	0.66591	0.2182
66	24	-20	1.9	0.1549	2.32613	-1.16564	1.63763	0.83563	1.59917	-0.03878	1.19804	0.4091
67	24	-20	2.9	0.10408	2.53404	-1.11488	1.5865	0.48732	1.61951	-0.08322	1.36307	0.03293
68	24	-20	3.9	0.35339	2.56464	-1.07429	1.76712	0.50973	1.68804	-0.17421	1.12161	-0.09957
69	24	-20	4.9	0.57307	2.54864	-1.01082	1.76029	0.55964	1.68423	0.19706	1.01098	-0.08896
70	24	-19	4.9	0.50166	2.61037	-1.11507	1.69963	0.29746	1.65476	-0.12842	1.21134	-0.1422
71	24	-19	3.9	0.27554	2.61963	-0.96429	1.6218	0.41637	1.68347	-0.03039	1.18506	-0.20252
72	24	-19	2.9	0.19454	2.57748	-1.08656	1.80079	0.6353	1.85264	-0.62162	1.97298	-0.8493
73	24	-19	1.9	0.03898	2.29778	-1.0562	1.52008	0.73047	1.56047	-0.0193	1.21239	-0.13331
74	24	-19	0.9	-0.11024	2.2974	-1.45032	1.69279	0.68274	1.66881	0.18194	0.98007	0.09265
75	24	-19	-0.1	0.1212	2.44636	-1.20565	1.6327	0.73071	1.67499	0.00852	0.99789	-0.12333
76	24	-19	-1.1	0.0956	2.30024	-1.44905	1.56066	0.69702	1.55906	-0.0298	1.17871	0.21685
77	24	-19	-2.1	0.04899	2.41028	-1.46819	1.70739	0.76966	1.62056	-0.06431	1.6127	0.13628
78	24	-19	-3.1	-0.04353	2.46349	-1.6231	1.63503	0.55291	1.59188	0.22828	1.02706	0.34755
79	24	-19	-4.1	-0.11674	2.29921	-1.33123	1.82646	0.58003	1.71765	-0.08287	1.16374	0.16178
80	24	-19	-5.1	0.0707	2.4593	-1.16429	1.85376	0.47018	1.77312	0.00588	1.55974	0.00219
81	24	-18	-6.1	-0.22498	2.34684	-0.97549	1.67722	0.46602	1.73436	0.04665	1.28739	-0.00625
82	24	-18	-5.1	-0.07093	2.81831	-1.14744	1.76089	0.57266	1.64496	-0.21875	1.21107	0.27158
83	24	-18	-4.1	0.06049	2.72863	-1.40067	1.83654	0.69063	1.89699	-0.38574	1.46237	-0.39895
84	24	-18	-3.1	0.07668	2.53315	-1.40178	1.72615	0.77212	1.65421	-0.05178	1.09447	-0.01047
85	24	-18	-2.1	-0.23638	2.43755	-1.43266	1.7983	0.87706	1.73781	-0.16483	1.62432	0.24333
86	24	-18	-1.1	-0.307	2.80552	-1.36348	1.76434	0.82538	1.73059	-0.27811	1.32998	-0.07982
87	24	-18	-0.1	-0.12153	2.1212	-1.23685	1.62153	0.71487	1.62695	-0.11433	1.35072	0.18249
88	24	-18	0.9	-0.05311	2.33274	-1.09888	1.83265	0.69983	1.87294	-0.17885	1.33786	0.19037
89	24	-18	1.9	0.01846	2.63817	-1.02241	1.76381	0.71049	1.81324	0.07948	1.85241	0.30261
90	24	-18	2.9	-0.06946	2.53095	-0.96267	1.90412	0.63746	1.87325	0.23733	1.88974	0.25425
91	24	-18	3.9	0.09073	2.50933	-0.89821	1.69153	0.41254	1.81034	0.13356	1.2954	-0.20677
92	24	-18	4.9	0.41593	2.72217	-0.91539	1.69115	0.38062	1.6634	0.31044	1.18836	-0.01415
93	24	-17	4.9	0.66071	2.58986	-0.81154	1.74073	0.31837	1.75711	-0.14366	1.39419	-0.25348
94	24	-17	3.9	0.22752	2.70947	-0.89439	1.71113	0.54833	1.82714	0.0561	1.18096	0.08685
95	24	-17	2.9	-0.32581	2.43408	-0.91308	1.76682	0.67923	1.875	-0.44467	0.84623	-0.13312
96	24	-17	1.9	-0.30096	2.36358	-1.13511	1.64553	0.62109	1.73221	-0.33716	1.37387	0.06128
97	24	-17	0.9	0.05407	2.56515	-1.20702	1.83607	0.60298	1.74136	0.24176	1.5572	-0.01255
98	24	-17	-0.1	-0.12345	2.67321	-1.10519	1.71691	0.83244	1.75962	-0.08495	1.6294	0.28997
99	24	-17	-1.1	0.092	2.41848	-1.29231	1.62099	0.73649	1.70895	0.10517	1.34902	0.3053
100	24	-17	-2.1	-0.12875	2.17079	-1.39654	1.63969	0.73746	1.77418	-0.08962	1.2043	0.00277
101	24	-17	-3.1	-0.07653	2.21711	-1.22722	1.65693	0.60856	1.69691	-0.08546	1.27588	-0.01732
102	24	-17	-4.1	0.03623	2.34973	-1.25049	1.77063	0.6635	1.80362	-0.22223	1.41433	0.27946
103	24	-17	-5.1	-0.24698	2.60825	-1.17985	1.63661	0.65275	1.50952	-0.26156	1.1336	0.30759
104	24	-17	-6.1	-0.38787	2.47982	-1.00531	1.68208	0.49914	1.75157	0.1785	1.38873	0.02604

105	24	-17	-7.1	-0.04499	2.5991	-0.77307	1.83335	0.59697	1.78291	-0.09109	0.90713	-0.13794
106	24	-16	-7.1	-0.30749	2.68823	-0.67782	2.25304	0.53401	2.03951	0.41079	2.39154	0.07405
107	24	-16	-6.1	-0.04845	2.24146	-0.8793	1.8997	0.59439	1.73702	-0.28987	1.50201	0.05257
108	24	-16	-5.1	0.14185	2.29621	-1.17539	1.82007	0.66166	1.84012	-0.13635	1.72737	-0.09256
109	24	-16	-4.1	-0.03302	2.43831	-1.18419	1.75217	0.88445	1.6156	-0.05278	1.13963	-0.16373
110	24	-16	-3.1	-0.06949	2.69245	-1.24705	1.86541	0.72485	1.76187	-0.15493	1.54817	-0.06857
111	24	-16	-2.1	-0.12876	2.45708	-1.21634	1.6554	0.79041	1.68904	0.15193	1.24484	0.1374
112	24	-16	-1.1	-0.00363	2.66654	-1.12063	1.59146	0.84948	1.64954	0.30244	1.18671	-0.09502
113	24	-16	-0.1	-0.0328	2.46508	-1.32275	1.67223	0.65858	1.72908	-0.20156	1.41942	0.3638
114	24	-16	0.9	-0.16744	2.35491	-1.11826	1.65477	0.84256	1.624	0.22872	1.01275	0.32293
115	24	-16	1.9	-0.0551	2.40974	-0.79095	1.80062	0.89134	1.77962	-0.06783	1.62929	-0.01765
116	24	-16	2.9	0.02901	2.40507	-0.83961	1.74747	0.55355	1.93445	0.05599	1.62083	0.32318
117	24	-16	3.9	0.30414	2.50453	-0.70197	1.82407	0.34564	1.84105	0.14455	0.8889	-0.3998
118	24	-16	4.9	0.62782	2.68829	-0.74236	1.5648	0.23865	1.51323	0.32177	0.95189	-0.02756
119	24	-15	4.9	0.76799	2.81782	-0.68287	1.6956	0.17097	1.74215	0.19969	1.18364	-0.21373
120	24	-15	3.9	0.43863	2.6607	-0.60229	1.88852	0.48779	1.87904	0.42268	0.92863	-0.20551
121	24	-15	2.9	-0.09088	2.63007	-0.79874	1.67492	0.54276	1.90837	0.29481	1.11419	0.73633
122	24	-15	1.9	-0.26806	2.67626	-0.7609	1.71972	0.57126	1.7346	0.58496	0.92932	0.32846
123	24	-15	0.9	-0.04199	2.51007	-1.12487	1.7771	0.55118	1.8173	-0.0985	1.49562	-0.12102
124	24	-15	-0.1	-0.10801	2.58866	-1.21476	1.66982	0.70021	1.72474	-0.16065	1.40279	-0.04145
125	24	-15	-1.1	0.03909	2.65169	-1.14989	1.66925	0.71177	1.65595	0.14339	1.5422	0.13095
126	24	-15	-2.1	0.0771	2.52625	-1.25015	1.73521	0.87677	1.76398	0.22363	1.37472	0.66128
127	24	-15	-3.1	0.10895	2.60441	-1.03463	1.84433	0.95989	1.78839	0.4146	1.62777	0.35124
128	24	-15	-4.1	-0.12109	2.22127	-1.17403	1.74825	0.53956	1.76476	0.02	1.62108	0.31252
129	24	-15	-5.1	-0.20776	2.52157	-1.01288	1.73421	0.72156	1.72583	0.13336	1.34963	0.03833
130	24	-15	-6.1	-0.29203	2.55638	-0.95817	1.86246	0.43932	1.79275	0.2741	1.22795	-0.05756
131	24	-14	-5.1	0.22093	2.42323	-0.96234	1.77189	0.64457	1.72897	-0.27752	1.61059	0.12033
132	24	-14	-4.1	-0.06551	2.26637	-0.98663	1.74367	0.61433	1.69694	-0.35801	1.52922	0.12919
133	24	-14	-3.1	-0.06752	2.61233	-1.01408	1.60338	0.65084	1.7244	0.26486	1.12841	0.43529
134	24	-14	-2.1	-0.1103	2.62388	-1.09265	1.79769	0.70848	1.88248	-0.05057	1.8911	0.44273
135	24	-14	-1.1	-0.12334	2.43619	-1.05565	1.75856	0.64157	1.75936	0.2023	1.4765	0.41519
136	24	-14	-0.1	-0.08294	2.44435	-1.2057	1.69624	0.77998	1.8013	-0.42633	1.48883	0.04132
137	24	-14	0.9	-0.04003	2.48803	-0.87314	1.86117	0.76138	1.8587	0.17126	1.69148	0.1281
138	24	-14	1.9	0.03065	2.43862	-0.85189	1.61694	0.66888	1.71534	0.0412	1.28627	0.13193
139	24	-14	2.9	0.16008	2.53047	-0.78142	1.89732	0.64553	1.87857	0.01633	0.64468	0.0834
140	24	-14	3.9	0.18099	2.6419	-0.71778	1.79156	0.34939	1.81974	0.21953	1.04199	-0.09978
141	24	-14	4.9	0.91097	2.38699	-0.68384	1.64071	0.17489	1.54395	-0.06324	1.02245	-0.30439
142	24	-13	4.9	0.83058	2.54814	-0.4888	1.77108	0.38792	1.70473	0.30838	1.11179	-0.26683
143	24	-13	3.9	0.57328	2.53088	-0.5056	1.6834	0.27986	1.73389	0.1683	0.90981	0.47547
144	24	-13	2.9	-0.15352	2.20649	-0.37772	1.71607	0.68687	1.77659	0.36682	1.40557	0.01446
145	24	-13	1.9	-0.14263	2.18077	-0.73876	1.85129	0.50045	1.88156	0.15002	1.55614	0.12445
146	24	-13	0.9	-0.12249	2.40903	-0.81506	1.71704	0.50799	1.7424	-0.13908	1.4304	0.09641
147	24	-13	-0.1	-0.17777	2.05685	-1.00442	1.72942	0.62991	1.71628	-0.02709	1.72307	0.2757
148	24	-13	-1.1	-0.26606	2.12535	-0.87123	1.8325	0.67412	1.81903	0.12591	2.09672	0.37599
149	24	-13	-2.1	-0.04902	2.30026	-0.84361	2.00392	0.69555	2.01143	-0.14183	2.40007	-0.08009
150	24	-13	-3.1	-0.07475	2.38316	-0.8041	1.92003	0.83241	1.87686	-0.18838	2.04043	0.34706
151	24	-13	-4.1	-0.16274	2.38242	-0.82891	1.91815	0.59909	1.89288	-0.10782	2.05032	0.30623
152	24	-13	-5.1	-0.30485	2.44318	-0.68319	1.90808	0.61298	1.93356	-0.25395	2.2575	-0.21689
153	24	-12	-4.1	-0.28233	2.51902	-0.74441	2.00014	0.54123	1.93485	0.01276	2.15811	0.24674
154	24	-12	-3.1	-0.33265	2.45065	-0.61373	1.92375	0.61468	1.90781	-0.49129	2.2359	-0.1387
155	24	-12	-2.1	-0.08016	2.7038	-0.75259	1.84638	0.57754	1.85433	-0.15444	2.00792	0.08991
156	24	-12	-1.1	-0.17886	2.59855	-0.73772	1.90615	0.60723	1.88333	-0.08954	2.16346	0.16975
157	24	-12	-0.1	-0.37864	2.43877	-0.65346	1.90518	0.56711	1.94389	0.12045	2.27936	0.36997

158	24	-12	0.9	-0.35319	2.4504	-0.60872	2.00293	0.55479	1.99701	-0.04388	2.18085	0.20805
159	24	-12	1.9	-0.16417	2.49676	-0.50959	1.91744	0.41361	1.99155	-0.08584	2.07309	0.07791
160	24	-12	2.9	0.02411	2.6968	-0.34737	2.16202	0.47309	2.05927	-0.27245	2.44901	-0.77961
161	24	-12	3.9	0.29534	2.50885	-0.37543	1.89664	0.22295	2.00545	0.09861	1.85149	-0.20653
162	24	-12	4.9	0.97427	2.79469	-0.46641	1.81517	0.23261	1.83771	0.09976	1.40086	-0.1634
163	24	-11	4.9	1.0494	2.76283	-0.52277	1.90399	0.27819	1.8593	0.25743	1.24172	0.00685
164	24	-11	3.9	0.59838	2.69049	-0.61081	1.80098	0.12853	1.8016	0.00893	1.48209	0.22852
165	24	-11	2.9	-0.01989	2.57878	-0.58451	1.97741	0.19965	2.12297	0.26015	1.85544	-0.13304
166	24	-11	1.9	-0.24948	2.47051	-0.28782	1.84101	0.60415	1.83593	0.00748	1.82718	-0.23496
167	24	-11	0.9	-0.64555	2.32402	-0.51009	2.03298	0.53346	1.88895	-0.24654	2.30624	-0.18471
168	24	-11	-0.1	-0.21239	2.69602	-0.45506	1.90767	0.81767	1.96892	-0.27952	2.20142	-0.16076
169	24	-11	-1.1	-0.37638	2.50879	-0.57814	1.75528	0.58891	1.88361	-0.05372	1.94962	-0.14823
170	24	-11	-2.1	-0.16738	2.56845	-0.52832	2.05056	0.68125	2.04995	-0.05734	2.63251	0.44393
171	24	-11	-3.1	-0.32157	2.33969	-0.58146	1.87712	0.49526	1.81704	0.21424	1.96675	0.32614
172	24	-10	-2.1	-0.28768	2.71404	-0.60376	2.19535	0.57571	2.03337	0.2829	2.32757	0.7135
173	24	-10	-1.1	-0.04336	2.71316	-0.61503	1.94955	0.34438	2.03224	0.18898	2.29307	0.39133
174	24	-10	-0.1	-0.20314	2.62459	-0.23787	1.93809	0.58603	2.07123	-0.41472	1.95305	-0.18054
175	24	-10	0.9	-0.37848	2.57352	-0.33336	1.84182	0.51489	1.95407	0.11219	1.8652	0.2888
176	24	-10	1.9	-0.17462	2.6159	-0.30645	2.04898	0.35311	2.01714	0.86712	1.96168	0.38989
177	24	-10	2.9	0.08749	2.61082	-0.28984	2.1736	0.36459	2.1243	0.20052	1.76304	0.16048
178	24	-10	3.9	0.43243	2.85215	-0.33105	1.95866	0.13623	1.92172	0.18148	1.85371	-0.17908
179	24	-10	4.9	1.1001	2.87573	-0.35507	2.04266	0.29109	1.97835	0.067	1.33934	-0.00101
180	24	-9	4.9	1.08546	2.81508	-0.31401	2.09121	0.33537	1.95843	-0.15941	1.5375	0.10599
181	24	-9	3.9	0.42751	2.68958	-0.40053	1.9003	0.24939	1.86614	0.45395	1.2937	-0.10802
182	24	-9	2.9	0.09442	2.58219	-0.09272	1.97775	0.39092	1.97951	-0.19643	1.76854	-0.23925
183	24	-9	1.9	-0.39958	2.4927	-0.17542	1.97733	0.3825	1.96986	0.38864	1.69103	-0.11545
184	24	-9	0.9	-0.61977	2.48344	-0.32632	1.97094	0.34621	1.91796	-0.28666	2.10986	-0.24282
185	24	-9	-0.1	-0.24374	2.69488	-0.25132	1.91558	0.55898	1.93334	0.04785	1.26253	0.17141
186	24	-9	-1.1	-0.38955	2.30828	-0.38633	2.00491	0.5395	1.90469	-0.19985	2.30051	0.15057
187	24	-8	-0.1	-0.30292	2.52995	-0.38295	1.94651	0.42353	1.99269	-0.04996	2.32765	-0.28577
188	24	-8	0.9	-0.3506	2.4518	-0.15595	2.05932	0.38972	1.95264	0.25776	2.19478	0.12457
189	24	-8	1.9	-0.36641	2.32576	-0.27245	1.95792	0.25432	2.06286	-0.15114	1.53954	-0.38215
190	24	-8	2.9	0.03793	2.67094	-0.19419	2.06822	0.25924	2.03448	0.48104	1.94545	0.39838
191	24	-8	3.9	0.53377	2.6584	-0.24458	1.96738	0.16123	1.98422	-0.08045	1.79122	0.06582
192	24	-8	4.9	1.08217	2.70515	-0.29223	1.87878	0.13282	1.91425	0.30802	1.44313	-0.31354
193	24	-7	4.9	1.13708	2.62574	-0.39486	1.86496	0.04498	1.78177	-0.11436	1.13774	-0.05525
194	24	-7	3.9	0.72614	2.7357	0.05645	2.13958	0.19243	2.08064	-0.15167	1.74381	-0.32739
195	24	-7	2.9	1.84553E-4	2.57384	-0.15268	1.87854	0.09522	1.91372	0.4469	1.60492	0.29453
196	24	-7	1.9	-0.30701	2.61869	-0.20905	2.02338	0.16313	2.04887	-0.20928	1.69538	0.10577
197	24	-7	0.9	-0.12499	2.5297	-0.13131	1.96688	0.32088	2.0767	0.18732	1.79242	0.20152
198	24	-6	1.9	0.08494	2.57643	-0.11501	1.97358	0.09935	2.02264	-0.08384	1.64868	0.01725
199	24	-6	2.9	0.4576	2.64247	-0.21168	1.94693	0.07475	1.92657	0.07615	1.48961	0.00499
200	24	-6	3.9	0.80456	2.67132	-0.09942	1.91056	-0.02257	1.87336	-0.06821	1.48154	-0.12165
201	24	-6	4.9	1.27711	2.56813	-0.10701	2.08039	0.1924	1.93123	0.39012	1.76514	0.16756
202	24	-5	4.9	1.59302	2.70941	-0.34803	1.82682	-0.28651	1.68828	-0.24637	1.12929	-0.18541
203	24	-5	3.9	0.84442	2.54533	-0.12212	1.88553	-0.04947	1.94578	0.31643	1.73568	-9.71763E-4
204	24	-5	2.9	0.26926	2.62895	-0.08386	1.98864	0.00489	2.03771	-0.25583	1.69557	-0.40699
205	24	-4	3.9	1.15153	2.62396	-0.38891	1.83931	-0.40327	1.8126	-0.05344	1.0213	-0.01424
206	24	-4	4.9	1.63673	2.86411	-0.35984	1.83863	-0.34976	1.79027	-0.0174	1.39018	-0.39491
207	24	-3	4.9	1.67962	2.77416	-0.51334	1.85475	-0.45293	1.76114	-0.00506	0.94589	-0.36677
208	24	-2	-1.1	1.31848	2.92682	-0.56479	3.03572	0.41513	3.53977	-1.12717	-3.3866	-1.3156
209	24	0	4.9	2.14802	2.66187	-0.62821	1.73756	-0.15389	1.65992	0.33447	0.87859	0.02145
210	24	1	4.9	1.69372	2.72371	-0.95419	1.77224	-0.0384	1.74952	0.26694	1.00611	-0.12657

211	24	1	3.9	1.24704	2.49683	-0.45522	1.8654	-0.29975	1.85776	0.36312	1.01442	-0.25462
212	24	2	2.9	-0.03618	2.42658	-0.64208	1.75332	-0.30321	1.74893	0.2552	1.57706	0.12007
213	24	2	3.9	0.70557	2.6483	-0.64007	1.74791	-0.05379	1.66242	0.0926	1.19565	-0.15027
214	24	2	4.9	0.85738	2.80502	-0.88076	1.71753	0.13576	1.67826	0.18542	1.39524	-0.02208
215	24	3	4.9	0.5762	2.55559	-0.77462	1.94214	0.3304	1.95439	-0.02191	1.98486	-0.24331
216	24	3	3.9	-0.19333	2.40723	-0.53009	1.87225	0.03715	1.91909	0.19864	1.98178	0.22457
217	24	3	2.9	-0.77291	2.29422	-0.4129	1.76677	0.18673	1.91011	0.20591	1.68741	-0.01415
218	24	3	1.9	-0.76391	1.95932	-0.60744	1.75151	0.22087	1.80015	-0.10795	1.57785	-0.07017
219	24	4	2.9	-0.61518	2.22006	-0.53301	1.84863	0.33514	1.78745	0.03701	1.83668	0.07027
220	24	4	3.9	-0.32799	2.35507	-0.72554	1.77579	0.154	1.92121	0.19579	1.71626	0.04608
221	24	4	4.9	0.03529	2.66482	-0.77121	1.96481	0.48443	1.82441	0.05315	1.81267	-0.18399
222	24	5	4.9	0.34034	2.52385	-0.75841	2.00028	1.03956	2.0941	-0.28784	2.34979	0.04969
223	24	5	3.9	-0.06344	2.50713	-0.70921	2.1227	0.7738	2.05015	-0.17923	2.60122	0.0306
224	24	6	4.9	0.4445	2.35339	-0.61784	1.89414	1.43215	2.04008	-0.05661	2.28378	-0.06434
225	24	7	5.9	0.87637	2.49876	0.24524	1.84772	0.62177	1.95276	0.18349	2.08987	0.25824
226	24	6	5.9	0.96134	2.5631	-0.17784	1.90628	1.25979	1.99226	-0.22826	2.01478	-0.2429
227	24	5	5.9	0.72836	2.48472	-0.83164	1.85903	1.09798	1.86721	0.08562	1.97374	0.00514
228	24	4	5.9	0.97932	2.56254	-0.91462	1.71197	0.65023	1.68545	0.15324	1.34258	-0.09194
229	24	3	5.9	1.10058	2.67788	-1.10652	1.78761	0.47539	1.74261	0.18014	1.84298	0.20417
230	24	2	5.9	1.42428	2.70793	-1.21536	1.70433	0.41922	1.6971	0.23096	1.66681	-0.18031
231	24	1	5.9	2.14969	2.69739	-1.29298	1.66633	0.18809	1.59461	0.06571	1.32052	-0.05899
232	24	0	5.9	2.27942	2.85706	-1.37848	1.73046	-0.01036	1.72116	-1.40544E-4	1.29664	-0.28126
233	24	-1	5.9	2.78766	2.69953	-1.3138	1.67656	-0.05781	1.55633	-0.09042	1.22321	-0.27569
234	24	-2	5.9	2.74181	2.549	-1.37492	1.56237	-0.21126	1.5152	-0.11129	0.99162	-0.3831
235	24	-3	5.9	2.67862	2.71112	-1.07172	1.75454	-0.23646	1.51638	0.42814	1.2352	0.0738
236	24	-4	5.9	2.62071	2.61581	-0.64643	1.64669	-0.19824	1.57701	-0.01599	1.29374	-0.28193
237	24	-5	5.9	2.16205	2.86806	-0.46062	1.66958	-0.05783	1.62495	-0.07246	1.26046	-0.036
238	24	-6	5.9	1.88609	2.5945	-0.38673	1.90908	0.1456	1.77264	0.04955	1.68073	-0.04974
239	24	-7	5.9	1.89401	2.49714	-0.51629	1.83265	0.06694	1.6738	-0.17582	1.45058	-0.20248
240	24	-8	5.9	2.06859	2.42277	-0.38098	1.8878	0.20132	1.82023	0.0196	2.03015	-0.34449
241	24	-9	5.9	1.91746	2.41463	-0.40042	1.80583	0.22218	1.68448	0.34995	1.69684	0.12954
242	24	-10	5.9	2.10847	2.49899	-0.48526	1.82165	0.28076	1.74956	0.04383	1.5323	0.10398
243	24	-11	5.9	1.98487	2.53633	-0.64197	1.85448	0.24984	1.78263	0.02636	1.91292	-0.17385
244	24	-12	5.9	2.21676	2.63785	-0.78078	2.14977	0.26233	1.90509	-0.05967	2.46651	0.14411
245	24	-13	5.9	1.73245	2.59502	-0.71837	1.74442	0.28034	1.7144	-0.27638	1.61897	-0.34743
246	24	-14	5.9	1.73467	2.70493	-0.87457	1.82399	0.30742	1.76956	-0.15918	1.51212	-0.13283
247	24	-15	5.9	1.67265	2.67269	-0.87563	1.71043	0.26891	1.59172	0.2024	1.39328	-0.01569
248	24	-16	5.9	1.6368	2.67964	-0.84062	1.76215	0.36632	1.81618	0.02233	1.58559	-0.19759
249	24	-17	5.9	1.583	2.62321	-0.99709	1.8382	0.30335	1.78402	0.24107	1.66473	0.03795
250	24	-18	5.9	1.60226	2.66168	-1.00099	1.87759	0.42345	1.78624	-0.00235	1.83976	0.19616
251	24	-19	5.9	1.46666	2.41923	-1.13207	1.84855	0.34145	1.83936	0.16783	2.0453	0.04685
252	24	-20	5.9	1.41677	2.52926	-1.15841	1.83274	0.43767	1.77589	-0.00421	2.08792	-0.1314
253	24	-21	5.9	1.41161	2.55735	-1.31993	1.8091	0.4331	1.78952	-0.34969	1.99318	-0.30298
254	24	-22	5.9	1.56419	2.66598	-1.43125	1.76859	0.37941	1.66829	0.03846	1.83037	-0.02471
255	24	-23	5.9	1.4365	2.77361	-1.49244	1.67633	0.40037	1.60594	0.11549	1.61036	-0.13604
256	24	-24	5.9	1.43014	2.47596	-1.47862	1.71622	0.48176	1.74972	-0.0235	1.79312	-0.06705
257	24	-25	5.9	1.45599	2.62181	-1.60971	1.7398	0.46007	1.71026	-0.22158	1.89208	-0.14114
258	24	-26	5.9	1.42437	2.52628	-1.84321	1.45146	0.27292	1.46831	-0.2225	1.11437	-0.22438
259	24	-27	5.9	1.32969	2.4629	-1.81418	1.56091	0.44738	1.55502	-0.08694	1.46789	-0.12261
260	24	-28	5.9	1.4305	2.50025	-1.85049	1.71143	0.3766	1.67178	-0.34896	1.49762	-0.24712
261	24	-29	5.9	1.25981	2.59467	-2.02602	1.39703	0.28684	1.42795	0.03058	1.14046	-0.09786
262	24	-30	5.9	1.22689	2.46162	-1.86929	1.67205	0.29295	1.66917	-0.01418	1.68802	0.10057
263	24	-31	5.9	1.15496	2.66561	-2.05419	1.44886	0.20056	1.45283	0.06442	1.13452	-0.01143

264	24	-32	5.9	1.11779	2.52627	-2.00203	1.52489	0.10512	1.52928	-0.04033	1.27337	0.08878

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	29	-32	6.9	1.14165	2.52354	-1.53076	1.38178	0.22233	1.25004	-0.15963	0.42478	0.1187
2	29	-31	6.9	1.01591	2.73867	-1.55412	1.38206	0.16372	1.32541	-0.05551	0.64178	0.17419
3	29	-31	5.9	0.96574	2.62117	-1.37918	1.37671	0.22555	1.40994	-0.3141	1.0427	-0.30294
4	29	-30	4.9	0.65835	2.64286	-1.19151	1.39348	0.21232	1.48179	-0.08544	0.77215	-0.61403
5	29	-30	5.9	0.96961	2.43542	-1.41214	1.45012	0.23686	1.42058	-0.08585	0.91873	0.11219
6	29	-30	6.9	1.06254	2.72369	-1.44914	1.46453	0.32198	1.36264	-0.27886	0.92772	-0.14763
7	29	-29	6.9	0.98518	2.41067	-1.43542	1.50201	0.3712	1.41117	0.0205	0.58197	-0.14076
8	29	-29	5.9	1.05231	2.47772	-1.29316	1.42199	0.27265	1.43942	-0.25344	1.01342	-0.17629
9	29	-29	4.9	0.67073	2.6238	-1.13576	1.61984	0.4052	1.54938	0.02054	1.22971	0.16851
10	29	-29	3.9	0.31283	2.62975	-1.00158	1.64061	0.23372	1.71052	0.01202	1.33353	-0.21201
11	29	-28	2.9	0.30465	2.53802	-0.80627	1.69869	0.29378	1.60432	9.71164E-4	1.3821	-0.13327
12	29	-28	3.9	0.44618	2.52068	-0.93275	1.56265	0.48162	1.55456	0.061	0.95953	0.18406
13	29	-28	4.9	0.85809	2.61883	-1.11524	1.54303	0.27454	1.54302	0.51323	1.23918	0.19467
14	29	-28	5.9	1.01585	2.58591	-1.24558	1.62172	0.29179	1.54821	-0.40811	1.09034	-0.28254
15	29	-28	6.9	1.14242	2.55902	-1.50432	1.51391	0.35247	1.48844	0.16323	1.13365	0.08996
16	29	-27	6.9	1.22907	2.55755	-1.3541	1.54545	0.2902	1.47327	0.07479	0.95259	-0.09538
17	29	-27	5.9	1.05516	2.54351	-1.17428	1.49312	0.34341	1.43174	0.14667	0.73582	0.24798
18	29	-27	4.9	0.6042	2.43745	-0.97232	1.72819	0.35193	1.72295	-0.0019	1.51112	-0.16374
19	29	-27	3.9	0.41264	2.5656	-0.82563	1.63031	0.45816	1.63781	0.18421	1.41905	0.30805
20	29	-27	2.9	0.35748	2.32328	-0.89691	1.76846	0.37646	1.67865	0.01992	1.27171	-0.00909
21	29	-27	1.9	0.07021	2.52856	-0.73781	1.75002	0.37612	1.84293	-0.05853	1.66198	0.03602
22	29	-26	0.9	0.07195	2.55946	-0.67233	1.74773	0.27003	1.74961	0.22695	1.11306	0.35796
23	29	-26	1.9	0.26016	2.56293	-0.82446	1.72648	0.38425	1.66858	0.10651	1.6258	-0.27699
24	29	-26	2.9	0.21371	2.56944	-0.93136	1.64143	0.32182	1.63759	-0.21179	1.18767	0.10338
25	29	-26	3.9	0.4235	2.64529	-0.94662	1.76195	0.36873	1.72709	0.15331	1.44308	0.09294
26	29	-26	4.9	0.52031	2.53159	-0.96164	1.60144	0.41006	1.59368	-0.02392	1.28417	0.0318
27	29	-26	5.9	1.00144	2.55663	-1.10227	1.42542	0.32727	1.45096	0.01161	1.02888	-0.06861
28	29	-26	6.9	1.38715	2.75236	-1.3501	1.37687	0.28675	1.31332	-0.10921	0.79051	0.17835
29	29	-25	6.9	1.11656	2.80023	-1.23273	1.51219	0.39677	1.49011	-0.24632	1.3221	-0.24557
30	29	-25	5.9	0.97184	2.59884	-1.16615	1.49665	0.31984	1.4629	-0.02491	0.94221	0.07616
31	29	-25	4.9	0.59284	2.53326	-0.98501	1.50335	0.43076	1.56695	-0.07797	0.97373	-0.02024
32	29	-25	3.9	0.34862	2.52973	-0.87725	1.59424	0.33819	1.54693	0.26054	1.06841	0.32859
33	29	-25	2.9	0.29204	2.63781	-0.82151	1.70571	0.38033	1.73009	0.16255	1.60372	-0.24406
34	29	-25	1.9	0.1524	2.70942	-0.89737	1.61656	0.24165	1.65959	0.17987	1.1374	-0.05522
35	29	-25	0.9	0.17811	2.58211	-0.75436	1.77037	0.41717	1.64366	0.06358	1.46577	0.21726
36	29	-25	-0.1	0.15139	2.61369	-0.73177	1.68588	0.19734	1.51673	0.70733	0.77828	0.07852
37	29	-24	-1.1	0.33946	2.35182	-0.70388	1.81591	0.24299	1.76201	0.50342	1.01384	0.33039
38	29	-24	-0.1	-0.00238	2.70715	-0.47652	1.84459	0.46168	1.88477	0.49539	1.77326	0.36369
39	29	-24	0.9	0.24499	2.7362	-0.64577	1.88973	0.4746	1.90621	0.31696	1.83546	-0.11647

40	29	-24	1.9	0.4152	2.76813	-0.73268	1.73841	0.50452	1.67322	-0.02832	1.55078	-0.26819
41	29	-24	2.9	0.38193	2.78195	-0.62173	1.99674	0.61644	1.94443	-0.21753	2.67954	-0.23134
42	29	-24	3.9	0.35261	2.48005	-0.82041	1.90486	0.40265	1.87962	-0.00401	1.44127	-0.23691
43	29	-24	4.9	0.83131	2.52596	-0.8008	1.81687	0.61114	1.82185	0.26153	2.09465	0.03945
44	29	-24	5.9	0.95994	2.39917	-0.9479	1.85731	0.52761	1.81939	0.03322	1.6559	-0.04098
45	29	-24	6.9	1.34418	2.65456	-1.34165	1.55571	0.3294	1.51733	-0.18798	1.07545	-0.06528
46	29	-23	6.9	1.58716	2.49784	-1.1043	1.68921	0.47861	1.5814	0.23225	1.6608	0.16022
47	29	-23	5.9	1.07978	2.54292	-0.99847	1.68012	0.34683	1.6681	0.13392	1.53281	-0.28732
48	29	-23	4.9	0.58479	2.55778	-0.87598	1.71612	0.34146	1.69019	-0.0388	1.04356	-0.08413
49	29	-23	3.9	0.51024	2.54212	-0.71027	1.80706	0.43517	1.79821	0.19351	1.94624	0.25813
50	29	-23	2.9	0.36006	2.62576	-0.82787	1.70484	0.46895	1.78004	0.17894	1.11671	-0.01265
51	29	-23	1.9	0.38667	2.38582	-0.82027	1.77274	0.33148	1.70711	0.05808	1.67994	0.05183
52	29	-23	0.9	0.1959	2.51261	-0.91741	1.79734	0.33317	1.75978	-0.02234	1.58595	-0.02931
53	29	-23	-0.1	0.20052	2.54541	-0.80372	1.66123	0.5424	1.68729	-0.16923	1.39965	0.10501
54	29	-23	-1.1	0.22257	2.46683	-0.88956	1.62626	0.1117	1.70589	-0.03889	1.48098	0.13416
55	29	-23	-2.1	0.03702	2.61884	-0.48279	2.43031	0.50793	2.37896	-0.33857	3.56386	0.38079
56	29	-22	-3.1	0.00578	2.43045	0.00512	2.82961	0.85783	2.9481	0.53463	6.30445	0.32873
57	29	-22	-2.1	-0.01691	2.41333	-0.51768	2.10502	0.40203	2.02765	0.23559	2.44987	0.63057
58	29	-22	-1.1	0.06793	2.4149	-0.62708	1.71556	0.41215	1.69067	0.05117	1.50454	0.2081
59	29	-22	-0.1	0.13364	2.36985	-0.8265	1.54934	0.43071	1.62194	-0.23354	1.32919	-0.11809
60	29	-22	0.9	0.06484	2.65962	-0.66491	1.71078	0.41524	1.78154	0.16129	1.46534	0.59717
61	29	-22	1.9	0.26446	2.83538	-0.60933	1.60127	0.58228	1.60205	-0.28491	1.38359	0.21889
62	29	-22	2.9	0.28623	2.66311	-0.80704	1.81173	0.39041	1.88563	-0.19768	1.694	0.02279
63	29	-22	3.9	0.36322	2.57776	-0.76606	1.82512	0.33641	1.79653	-0.22604	1.78731	-0.01893
64	29	-22	4.9	0.68727	2.50981	-0.86001	1.70347	0.43432	1.71841	0.20832	1.31266	0.10061
65	29	-22	5.9	1.06233	2.56667	-0.79507	1.81453	0.41483	1.79632	-0.10998	1.35803	-0.14397
66	29	-22	6.9	1.04168	2.76977	-0.93283	1.65659	0.44438	1.64316	-0.04819	0.99326	-0.09349
67	29	-21	6.9	1.52302	2.72499	-1.06541	1.44746	0.27293	1.47035	0.06155	1.1432	-0.2375
68	29	-21	5.9	0.93777	2.7126	-0.81753	2.06402	0.47465	2.0349	-0.10489	1.96865	0.04834
69	29	-21	4.9	0.39076	2.75785	-0.73602	1.89095	0.36419	1.73963	-0.31608	1.68434	-0.1582
70	29	-21	3.9	0.38597	2.69358	-0.61172	1.83028	0.60486	1.95245	0.08924	2.09425	0.17545
71	29	-21	2.9	0.14082	2.7132	-0.72194	1.99298	0.40286	1.94409	0.08931	1.93863	0.50747
72	29	-21	1.9	-0.20701	2.38649	-0.84421	1.65849	0.34236	1.5439	-0.32293	0.94237	0.17371
73	29	-21	0.9	0.16893	2.64588	-0.54507	2.14126	0.79951	2.18064	0.19243	2.65529	0.29905
74	29	-21	-0.1	-0.03113	2.4741	-0.544	1.9448	0.45429	2.01706	-0.01535	2.10067	-0.07294
75	29	-21	-1.1	-0.12721	2.45206	-0.74025	1.73208	0.23228	1.81122	0.18658	1.66534	0.01669
76	29	-21	-2.1	0.07729	2.38276	-0.82336	1.937	0.25324	1.88179	0.00952	1.99981	0.2444
77	29	-21	-3.1	0.04377	2.58231	-0.72042	1.79482	0.088	1.96889	-0.14952	1.75493	0.21525
78	29	-20	-4.1	-0.12911	2.51401	-0.51028	1.96823	0.26263	1.95458	0.25017	1.63127	0.25003
79	29	-20	-3.1	-0.2635	2.60145	-0.4962	2.13766	0.39628	2.24845	0.59254	2.88128	0.08983
80	29	-20	-2.1	-0.09998	2.09826	-0.7533	1.81659	0.18909	1.80354	0.10031	1.42184	0.02031
81	29	-20	-1.1	-0.07842	2.29435	-0.76266	1.79235	0.38374	1.80347	-0.12128	1.89159	0.1171
82	29	-20	-0.1	0.02862	2.5654	-0.87444	1.80242	0.26615	1.82737	0.13625	1.46147	0.09436
83	29	-20	0.9	0.10718	2.59649	-0.71826	1.8323	0.46071	1.82231	0.04891	1.7149	0.3169
84	29	-20	1.9	0.2288	2.55642	-0.80205	1.75999	0.26562	1.76821	0.15014	1.27374	-0.01834
85	29	-20	2.9	0.27096	2.4187	-0.73547	1.73507	0.56013	1.82789	0.19232	1.33822	0.37779
86	29	-20	3.9	0.39846	2.79229	-0.77328	1.70888	0.43107	1.79577	0.08909	1.5893	-0.03331
87	29	-20	4.9	0.69567	2.53808	-0.75864	1.68951	0.39362	1.72818	0.06126	1.25138	0.01474
88	29	-20	5.9	1.28885	2.44706	-0.81935	1.5594	0.35951	1.56989	-0.16088	1.00605	0.20138
89	29	-20	6.9	1.65018	2.73931	-1.03964	1.51087	0.18954	1.47916	0.39429	1.12797	0.39691
90	29	-19	6.9	1.63711	2.69856	-0.83139	1.60198	0.34505	1.59537	-0.13448	1.43847	-0.12265
91	29	-19	5.9	1.1706	2.52492	-0.76964	1.74798	0.47125	1.8277	0.60536	1.50808	0.54273
92	29	-19	4.9	0.91277	2.88537	-0.6545	1.99788	0.35373	1.98216	-0.20274	2.51703	0.24397

93	29	-19	3.9	0.1114	2.42989	-0.48235	2.23134	0.55511	2.10391	0.51245	2.89127	0.58849
94	29	-19	2.9	-0.17799	2.70777	-0.79969	2.0243	0.36564	2.03609	-0.06739	2.41349	-0.14121
95	29	-19	1.9	0.26733	2.44901	-0.57108	2.001	0.47361	1.99014	0.201	2.59446	0.37134
96	29	-19	0.9	-0.05325	2.53872	-0.38562	2.22854	0.64024	2.2181	0.38191	3.39883	0.29602
97	29	-19	-0.1	-0.20712	2.43585	-0.3991	2.26722	0.46605	2.23008	-0.02067	3.40978	0.05807
98	29	-19	-1.1	-0.31634	2.53347	-0.52316	2.23867	0.38504	2.21885	0.17761	3.40003	0.3414
99	29	-19	-2.1	-0.05393	2.61521	-0.33769	2.21909	0.48506	2.09602	0.36733	3.31018	0.41307
100	29	-19	-3.1	-0.17233	2.50588	-0.61228	2.23634	0.38388	2.21179	0.22956	2.84785	0.18292
101	29	-19	-4.1	-0.18313	2.42187	-0.48402	2.12752	0.21404	2.0461	0.59242	2.43197	0.81236
102	29	-19	-5.1	-0.24519	2.25059	-0.23685	2.26551	0.50012	2.12414	-0.05767	3.21631	0.205
103	29	-18	-6.1	-0.24429	2.06467	-0.11855	2.19393	0.37841	2.28205	0.37191	2.98697	0.03681
104	29	-18	-5.1	-0.19461	2.36455	-0.37539	2.42187	0.19681	2.25568	0.73521	3.27144	-0.05628
105	29	-18	-4.1	-0.1875	2.45692	-0.23908	2.11582	0.52505	2.2808	0.3818	3.21932	0.39633
106	29	-18	-3.1	-0.26674	2.33062	-0.19505	2.23613	0.49271	2.17707	-0.16146	3.25336	0.02553
107	29	-18	-2.1	-0.22978	2.31934	-0.35077	2.07762	0.37187	2.12187	0.11026	3.03177	0.08459
108	29	-18	-1.1	0.22026	2.63521	-0.53723	2.03494	0.3122	2.22793	0.09029	2.965	0.10799
109	29	-18	-0.1	-0.21253	2.41458	-0.5515	2.35187	0.50334	2.28015	0.46714	2.98216	0.26503
110	29	-18	0.9	-0.02438	2.38943	-0.71772	2.1953	0.35694	2.14281	-0.21572	2.57114	-0.02566
111	29	-18	1.9	-0.03939	2.47775	-0.51744	2.30554	0.55577	2.20109	0.1213	3.11053	0.1077
112	29	-18	2.9	0.05811	2.51711	-0.4491	2.28491	0.62169	2.26757	0.43851	2.84204	0.13953
113	29	-18	3.9	0.3489	2.67366	-0.43657	2.04346	0.60952	2.062	-0.11221	2.74078	-0.04254
114	29	-18	4.9	0.64803	2.62825	-0.28672	2.18808	0.60606	2.18031	0.51115	2.92195	0.55829
115	29	-18	5.9	1.00599	2.65744	-0.26672	2.19172	0.67407	2.05054	0.49064	3.08068	0.23794
116	29	-18	6.9	1.31737	3.0487	-0.39551	2.21347	0.64761	2.18772	0.19713	3.36856	0.32938
117	29	-17	6.9	1.58558	2.67529	-0.45861	2.11808	0.69799	2.15293	0.07094	2.93394	-0.07119
118	29	-17	5.9	1.19019	2.64825	-0.40909	2.16001	0.59813	2.21056	0.19066	2.94582	-0.00476
119	29	-17	4.9	0.38455	2.44266	-0.46682	2.29038	0.52663	2.23264	0.05108	3.39129	0.06367
120	29	-17	3.9	0.3017	2.48158	-0.45192	2.20561	0.48418	2.25506	0.23885	3.26603	0.00505
121	29	-17	2.9	0.20513	2.57419	-0.45407	2.26652	0.5474	2.23771	0.17992	3.40937	0.10549
122	29	-17	1.9	0.12058	2.44591	-0.30016	2.24742	0.41496	2.23114	0.0771	3.19178	0.59683
123	29	-17	0.9	-0.01376	2.39757	-0.39174	2.24624	0.37587	2.13697	0.20707	2.90231	0.16512
124	29	-17	-0.1	-0.13476	2.28437	-0.35883	2.24395	0.47195	2.06566	0.41293	2.96923	0.45372
125	29	-17	-1.1	-0.31513	2.58673	-0.30077	2.24177	0.54631	2.19116	-0.53308	3.18755	-0.1521
126	29	-17	-2.1	-0.28403	2.49492	-0.3878	1.94202	0.15639	1.98166	-0.17666	1.80965	0.21884
127	29	-17	-3.1	-0.28965	2.11052	-0.50439	2.15672	0.27758	2.01764	-0.00147	2.82467	0.0577
128	29	-17	-4.1	-0.57194	2.43183	-0.51159	2.33037	0.41138	2.31151	0.54348	3.57159	0.11713
129	29	-17	-5.1	-0.26576	2.41204	-0.10659	2.1965	0.36576	2.1731	0.47659	3.09551	0.40077
130	29	-17	-6.1	-0.56356	2.28157	-0.05708	2.59027	0.57648	2.42827	-0.33835	4.43909	-0.25374
131	29	-17	-7.1	-0.14287	2.494	0.20654	2.50665	0.48734	2.37786	0.1561	3.90932	0.16513
132	29	-16	-7.1	-0.21211	2.43639	-0.04704	2.27263	0.34242	2.35114	-0.33709	3.08394	-0.02134
133	29	-16	-6.1	-0.2318	2.56786	0.02325	2.41893	0.36815	2.49765	-0.07806	4.45532	-0.34308
134	29	-16	-5.1	-0.40057	2.34257	6.90409E-4	2.33789	0.58185	2.24987	0.30509	3.42234	0.77808
135	29	-16	-4.1	-0.55134	2.48266	-0.32192	2.35025	0.32169	2.34757	0.11148	3.42316	0.47904
136	29	-16	-3.1	-0.09122	2.54393	0.00903	2.33119	0.42064	2.18833	0.04544	3.78783	0.03721
137	29	-16	-2.1	-0.31236	2.42265	-0.30406	2.50595	0.38553	2.5243	-0.14975	4.54274	-0.36954
138	29	-16	-1.1	-0.33325	2.41135	-0.28502	2.34122	0.4308	2.18593	0.10186	3.45745	-0.07107
139	29	-16	-0.1	-0.31573	2.42485	-0.39995	2.28589	0.35032	2.14519	0.24552	2.74725	-0.01446
140	29	-16	0.9	-0.28199	2.47072	-0.20801	2.63159	0.67218	2.54082	0.34071	4.41155	0.46368
141	29	-16	1.9	0.07297	2.82977	-0.46453	2.08539	0.22059	2.10365	0.07148	3.00701	0.05202
142	29	-16	2.9	0.04123	2.66258	-0.44078	2.35886	0.64624	2.32919	0.06202	3.37227	0.37494
143	29	-16	3.9	0.08971	2.44225	-0.27536	2.2835	0.75684	2.34024	-0.03944	3.45019	-0.00918
144	29	-16	4.9	0.55511	2.76742	-0.35585	2.22428	0.35676	2.27255	0.36799	3.26857	0.36367
145	29	-16	5.9	0.86199	2.69092	-0.28131	2.29454	0.5735	2.2861	-0.00368	3.6948	0.34058

146	29	-16	6.9	1.67079	2.67135	-0.40702	2.07248	0.72794	2.15436	0.03677	3.13385	0.28276
147	29	-15	6.9	1.82079	2.87119	-0.84106	1.80327	0.4179	1.52608	-0.17256	1.43198	-0.3211
148	29	-15	5.9	1.11326	2.87153	-0.61699	1.77354	0.2358	1.70828	-0.05743	1.38552	0.19595
149	29	-15	4.9	0.71848	2.74045	-0.56344	1.90433	0.28592	1.71686	-0.24854	1.87301	-0.06419
150	29	-15	3.9	0.02177	2.42231	-0.46529	1.77955	0.24382	1.82508	0.02234	1.88054	0.22037
151	29	-15	2.9	-0.20098	2.3383	-0.48297	1.96378	0.12873	1.98268	0.24909	2.32855	0.68928
152	29	-15	1.9	-0.53168	2.11638	-0.45813	2.11887	0.30945	2.05975	0.2839	2.96751	-0.07091
153	29	-15	0.9	-0.53764	2.20182	-0.49093	2.03409	0.36666	2.08751	-0.01975	1.95148	-0.08141
154	29	-15	-0.1	-0.6301	2.21671	-0.13426	1.92325	0.27836	1.94305	0.31969	1.92916	0.02896
155	29	-15	-1.1	-0.52084	2.05513	-0.14018	1.99521	0.26985	2.09474	-0.11284	2.17704	-0.18971
156	29	-15	-2.1	-0.55389	2.24253	0.04374	2.07393	0.6365	2.15298	0.34322	2.53611	0.23331
157	29	-15	-3.1	-0.71351	2.48904	-0.26955	2.25116	0.33253	2.25281	0.39398	2.32831	0.55405
158	29	-15	-4.1	-0.60324	2.25158	-0.2505	2.02974	0.21352	2.02553	-0.00114	2.43156	0.26638
159	29	-15	-5.1	-0.74695	2.09563	-0.17429	2.18389	0.16472	2.18071	0.43494	2.47529	0.48457
160	29	-15	-6.1	-0.67127	2.13019	-0.02573	2.28788	0.24938	2.19173	0.18976	2.62016	0.23325
161	29	-15	-7.1	-0.5757	2.3026	-0.06743	2.09377	0.24151	2.08989	0.06222	2.0244	-0.23404
162	29	-14	-6.1	-0.72782	2.34264	-0.17996	2.1105	0.21311	2.05931	-0.00939	2.90387	-0.5905
163	29	-14	-5.1	-0.48943	2.28071	-0.17076	2.02681	0.1398	2.03987	0.11932	2.23008	-0.05681
164	29	-14	-4.1	-0.71635	2.32631	-0.13857	1.95867	0.29277	1.90842	-0.03268	1.79578	0.04926
165	29	-14	-3.1	-0.71876	1.98572	-0.14155	2.25624	0.301	2.16663	0.49957	2.56727	0.33165
166	29	-14	-2.1	-0.4901	2.1899	-0.25293	1.84603	0.15116	1.90434	-0.27744	1.76932	-0.5503
167	29	-14	-1.1	-0.80804	2.34836	-0.37882	2.12965	0.18684	2.07581	0.20203	2.53965	0.03153
168	29	-14	-0.1	-0.35554	2.47393	-0.12996	2.09545	0.31791	2.12139	0.24693	2.38379	0.15886
169	29	-14	0.9	-0.53108	2.20862	-0.53057	1.92467	0.02677	2.00323	-0.17595	2.03551	-0.45432
170	29	-14	1.9	-0.566	2.57057	-0.29357	2.17401	0.41955	2.17723	0.02957	2.50017	0.14002
171	29	-14	2.9	-0.20664	2.53666	-0.4426	2.1347	0.19545	2.12949	0.02444	2.50973	-0.03196
172	29	-14	3.9	0.04435	2.67973	-0.33817	2.00365	0.24786	2.06825	0.26553	1.99236	-0.02387
173	29	-14	4.9	0.63905	2.48206	-0.64505	2.0964	0.27676	2.04484	0.33097	2.00241	0.57079
174	29	-14	5.9	1.17964	2.70798	-0.45672	1.93937	0.46442	1.86528	0.15145	2.22565	-0.05337
175	29	-14	6.9	1.66679	2.92701	-0.6498	1.78544	0.46626	1.70629	-0.19194	1.94097	0.04888
176	29	-13	6.9	2.02886	2.65191	-0.67915	1.77614	0.35676	1.83281	-0.13252	1.72097	-0.22774
177	29	-13	5.9	1.20238	2.68333	-0.46524	1.88852	0.41107	1.89861	0.38448	2.11221	0.07374
178	29	-13	4.9	0.70609	2.35034	-0.53085	2.04736	0.17541	1.9231	0.13912	2.13917	-0.02965
179	29	-13	3.9	-0.03042	2.47409	-0.09083	2.09329	0.33943	2.14586	0.29097	2.83627	-0.02215
180	29	-13	2.9	-0.38822	2.58419	-0.20024	1.90542	0.32457	2.01377	0.35556	2.24172	-0.02287
181	29	-13	1.9	-0.52071	2.74681	-0.40917	1.81576	0.08942	1.83342	1.00156	1.5364	0.51064
182	29	-13	0.9	-0.27667	2.5629	-0.14486	1.9821	0.46009	1.98559	-0.01182	1.68931	0.14153
183	29	-13	-0.1	-0.97259	2.33866	-0.14069	1.95779	0.36593	1.97515	-0.09972	2.47389	-0.1015
184	29	-13	-1.1	-0.51152	2.47892	-0.02525	1.70524	0.27478	1.7086	-0.33339	1.55693	-0.18671
185	29	-13	-2.1	-0.63513	2.24392	-0.2737	2.20431	0.17234	2.13883	0.24098	2.57324	0.47762
186	29	-13	-3.1	-0.60472	2.21228	-0.2955	2.1397	0.33488	2.17713	-0.15055	2.34632	0.0464
187	29	-13	-4.1	-0.53927	2.19075	-0.38459	1.94042	0.08782	1.89418	-0.24814	1.74849	0.21857
188	29	-13	-5.1	-0.60778	2.36237	-0.26363	1.87035	0.03981	1.89797	-0.05608	1.82405	-0.30244
189	29	-12	-4.1	-0.6496	2.34581	-0.11779	2.16172	0.17432	2.17576	-0.08621	2.45134	0.35809
190	29	-12	-3.1	-0.6246	2.33792	-0.43554	2.24597	-0.03261	2.22917	0.26556	2.92391	-0.25255
191	29	-12	-2.1	-0.69171	2.38103	-0.19824	2.15769	0.38014	2.12723	0.04348	2.6231	0.26379
192	29	-12	-1.1	-0.4597	2.35277	-0.18368	2.13071	0.14698	2.19581	0.46926	2.48385	0.13858
193	29	-12	-0.1	-0.46105	2.29337	-0.0345	2.36835	0.53846	2.33901	0.20052	3.0403	0.04694
194	29	-12	0.9	-0.46411	2.28913	-0.04435	2.37642	0.46767	2.43288	0.1772	3.17792	-0.22892
195	29	-12	1.9	-0.69512	2.47537	-0.24729	2.23938	0.17702	2.20053	0.24897	2.50184	-0.04495
196	29	-12	2.9	-0.23561	2.51279	-0.24787	2.19959	0.48184	2.19448	0.14189	2.7175	0.20629
197	29	-12	3.9	0.26318	2.53437	-0.26968	1.94404	0.14256	2.00101	-0.38259	1.84206	-0.19159
198	29	-12	4.9	0.72025	2.4219	-0.33652	2.02812	0.28382	2.06851	0.13988	2.2767	0.08158

199	29	-12	5.9	1.40731	2.50685	-0.33159	2.19307	0.55712	2.16758	0.23378	2.77154	-0.02488
200	29	-12	6.9	1.91912	2.57955	-0.69802	1.85654	0.33713	1.79754	0.36328	1.77276	0.21625
201	29	-11	6.9	1.93613	2.72045	-0.41714	1.99345	0.57969	1.9527	0.38736	2.11561	0.22015
202	29	-11	5.9	1.11722	2.75829	-0.36993	2.17553	0.44505	2.01461	-0.02486	2.56342	-0.0391
203	29	-11	4.9	0.70086	2.67605	-0.30802	2.11548	0.15748	2.15326	0.15926	2.30833	0.09109
204	29	-11	3.9	-0.01768	2.47463	-0.16595	2.25312	0.47468	2.32421	0.16849	2.85051	0.02797
205	29	-11	2.9	-0.1554	2.49001	4.07369E-4	2.16296	0.46609	2.24274	0.4158	2.24352	0.09655
206	29	-11	1.9	-0.6333	2.1857	-0.1713	2.16154	0.36883	2.18122	-0.01603	2.18613	-0.23475
207	29	-11	0.9	-0.61897	1.99772	-0.14007	2.26793	0.34124	2.19398	0.04229	2.73077	0.02275
208	29	-11	-0.1	-0.56917	2.32963	-0.15668	2.24786	0.46048	2.29529	-0.40124	3.05326	-0.64759
209	29	-11	-1.1	-0.52236	2.14339	-0.30416	2.2874	0.47957	2.15258	0.06596	2.8681	-0.0199
210	29	-11	-2.1	-0.08511	2.37261	-0.42607	2.17854	0.16709	2.2006	0.07555	2.39415	0.09472
211	29	-11	-3.1	-0.39975	2.40473	-0.01452	2.06375	0.41245	2.13473	0.02188	2.58401	0.47818
212	29	-10	-2.1	-0.29175	2.16218	-0.28978	2.0072	0.37034	1.99566	-0.07759	2.61958	-0.15235
213	29	-10	-1.1	-0.39722	2.28372	-0.33054	2.0069	0.33993	1.90416	0.27594	1.95675	0.21929
214	29	-10	-0.1	-0.54865	2.24252	-0.16332	2.19835	0.30403	2.2938	0.64041	3.20717	0.54188
215	29	-10	0.9	-0.32453	2.37569	-0.1831	2.15171	0.36407	2.14938	0.15702	2.35506	0.19399
216	29	-10	1.9	-0.40189	2.30842	-0.16895	2.1537	0.41998	2.1171	0.09875	1.89975	0.24207
217	29	-10	2.9	-0.12507	2.35436	-0.25385	2.34153	0.2355	2.15886	0.04663	3.00459	-0.08217
218	29	-10	3.9	0.31976	2.3752	-0.07691	2.25892	0.36795	2.21952	0.2476	2.6609	0.16641
219	29	-10	4.9	0.6883	2.60759	-0.26577	2.10119	0.38768	2.15388	0.04808	2.54774	-0.23914
220	29	-10	5.9	1.24711	2.71077	-0.44188	2.04362	0.20444	2.00436	-0.21481	1.63998	-0.18042
221	29	-10	6.9	1.99307	2.71096	-0.44871	1.92373	0.42048	1.88468	0.03105	1.97385	-0.04586
222	29	-9	6.9	1.95047	2.70626	-0.45095	1.95872	0.34669	1.86833	0.0469	1.78407	0.18095
223	29	-9	5.9	1.26953	2.64068	-0.46776	1.98858	0.22171	2.05449	-0.15011	2.31133	-0.1449
224	29	-9	4.9	0.60714	2.59686	-0.30394	2.01945	0.3393	1.91321	0.03671	2.06258	0.09994
225	29	-9	3.9	0.19563	2.62212	-0.3254	1.97497	0.17437	2.04677	0.32813	1.80539	0.17665
226	29	-9	2.9	-0.05767	2.51859	-0.13446	2.17701	0.30473	2.192	-0.00401	2.52731	-0.06253
227	29	-9	1.9	-0.22785	2.27377	-0.27477	1.81687	0.20145	1.88441	0.02188	2.00168	0.04463
228	29	-9	0.9	-0.28775	2.4273	-0.20851	2.21852	0.40911	2.2544	-0.05981	3.06637	-0.04431
229	29	-9	-0.1	-0.11449	2.3562	-0.33839	1.97194	0.46152	2.01439	0.51276	1.99914	0.49259
230	29	-9	-1.1	-0.41502	2.40352	-0.61613	1.85902	0.28155	1.8802	0.49335	1.85706	0.59338
231	29	-8	-1.1	0.10336	2.53619	-0.59168	1.80626	0.12643	1.75222	0.78225	2.10431	0.61973
232	29	-8	-0.1	-0.05648	2.45321	-0.37407	2.24687	0.36764	2.31769	0.05843	2.51088	-0.2575
233	29	-8	0.9	-0.28185	2.51512	-0.44537	2.27813	0.33392	2.15107	-0.15936	2.2189	-0.13506
234	29	-8	1.9	-0.05724	2.55613	-0.25911	2.29699	0.23729	2.30545	0.52706	2.89151	-0.1489
235	29	-8	2.9	0.06853	2.45025	-0.10634	2.24513	0.36433	2.11126	-0.33146	2.21076	-0.25975
236	29	-8	3.9	0.63873	2.54128	-0.29222	2.05386	0.21242	2.16467	0.43412	2.22139	0.03752
237	29	-8	4.9	0.80877	2.93741	-0.35634	2.12568	0.22227	2.04342	0.27699	2.34817	0.34297
238	29	-8	5.9	1.41556	2.49249	-0.19756	2.13637	0.39147	2.07131	0.10076	2.68315	-0.01372
239	29	-8	6.9	1.79541	2.52424	-0.32627	1.985	0.31479	1.92192	0.16136	2.07447	-0.12817
240	29	-7	6.9	2.21133	2.67642	-0.45938	1.87143	0.27625	1.86047	0.35641	1.79579	0.11329
241	29	-7	5.9	1.5801	2.77497	-0.39238	2.03808	0.14644	1.87661	0.26886	1.7962	-0.00707
242	29	-7	4.9	1.04543	2.65143	-0.24532	2.06359	0.13889	1.98044	0.09559	2.04054	-0.23597
243	29	-7	3.9	0.44291	2.56406	-0.26367	2.18751	0.21924	2.10505	0.3314	2.29181	0.42571
244	29	-7	2.9	0.40786	2.60747	-0.27969	2.03508	0.07124	1.97208	-0.12817	1.86265	-0.06868
245	29	-7	1.9	-0.08263	2.65529	-0.32985	1.89823	0.18768	1.91614	0.01019	1.61663	0.25507
246	29	-7	0.9	-0.17985	2.58014	-0.25229	2.07722	0.40399	2.12486	-0.02374	2.2798	-0.15209
247	29	-7	-0.1	-0.09803	2.48837	-0.58979	1.85182	0.21114	1.85873	0.2017	1.54534	0.34046
248	29	-6	0.9	0.02824	2.6434	-0.46841	1.85119	-0.09974	1.83568	-0.09165	1.94686	0.09087
249	29	-6	1.9	0.53534	2.67973	-0.43068	2.0388	-0.04328	1.96963	0.19971	1.80197	0.42894
250	29	-6	2.9	0.70491	2.53036	-0.32806	1.98707	0.03499	1.86894	0.23172	1.66756	0.25459
251	29	-6	3.9	0.7764	2.66987	-0.29485	2.05179	0.14644	2.08348	0.25982	1.78918	0.19183

252	29	-6	4.9	1.34621	2.76339	-0.47554	2.0128	-0.08411	1.97994	-0.39283	1.65434	-0.29049
253	29	-6	5.9	1.80787	2.65211	-0.72936	1.87711	7.20262E-4	1.75892	0.05228	1.51779	0.03675
254	29	-6	6.9	2.05444	2.82522	-0.54077	1.80133	0.21069	1.78269	0.22576	1.68467	0.29375
255	29	-5	6.9	1.98758	3.04295	-0.7649	1.84687	0.06953	1.64797	-0.06694	1.4668	0.18742
256	29	-5	5.9	2.06371	2.64255	-0.4536	1.92026	0.0518	1.85303	-0.54534	2.0048	-0.10985
257	29	-5	4.9	1.63578	2.87095	-0.23435	1.91983	-0.10989	1.8672	0.096	1.37702	0.10703
258	29	-5	3.9	1.17492	2.60216	-0.3775	1.97408	-0.20162	1.84027	-0.08135	1.51015	-0.13275
259	29	-5	2.9	0.83427	2.66355	-0.43123	2.00117	-0.17516	1.99401	-0.03421	1.90962	-0.10417
260	29	-5	1.9	0.91835	2.64045	-0.57271	1.86651	-0.1586	1.81598	-0.06024	1.60946	0.13356
261	29	-4	3.9	1.65397	3.02671	-0.13862	1.70076	-0.39558	1.75978	-0.30839	1.35443	-0.0544
262	29	-4	4.9	1.88436	3.07539	-0.23121	1.92009	-0.19328	1.82319	0.38038	1.78484	0.09856
263	29	-4	5.9	2.3271	2.80602	-0.76195	1.85146	-0.12107	1.73279	0.01386	1.59486	0.13305
264	29	-4	6.9	2.34033	2.80731	-0.93705	1.8978	0.11333	1.87801	-0.00498	1.33131	0.39243
265	29	-3	6.9	2.30471	2.86936	-1.01295	1.91255	0.25891	1.80507	-0.24367	1.52954	-0.39317
266	29	-3	5.9	2.29515	3.01677	-0.79777	1.87651	-0.04287	1.82768	0.07016	1.63576	0.12841
267	29	-3	4.9	1.92256	2.85703	-0.56682	1.917	-0.30957	1.86	-0.06514	1.44398	-0.19489
268	29	-3	3.9	1.36661	2.8164	0.02224	2.05937	-0.26312	2.08207	-0.25587	1.62905	0.23824
269	29	-2	2.9	0.73015	2.62299	-0.40204	2.12051	0.30199	2.18876	0.3222	0.47713	-0.02806
270	29	-2	3.9	1.34264	2.71107	-0.19122	2.12064	-0.15495	2.02408	0.57779	1.33895	0.81155
271	29	-2	4.9	1.85616	2.66404	-0.7784	1.80045	-0.13607	1.86394	0.13368	1.7612	0.31175
272	29	-2	5.9	2.11576	3.01181	-0.966	1.86403	0.05024	1.73066	-0.18103	1.70714	-0.432
273	29	-2	6.9	1.73412	2.83494	-1.2984	1.88177	0.30643	1.74767	-0.06921	1.82457	-0.1112
274	29	-1	6.9	1.44589	2.97068	-1.24956	1.74541	0.26779	1.7518	-0.10724	1.59405	-0.3582
275	29	-1	5.9	1.50655	2.89898	-1.13989	1.75427	0.2275	1.61089	0.26716	1.09698	0.01759
276	29	-1	4.9	1.71059	2.83541	-0.76184	2.06358	0.15285	1.98498	0.68834	2.43171	0.33859
277	29	-1	3.9	0.96106	2.83152	0.00497	2.3027	0.00586	1.99201	0.16954	1.80535	-0.09381
278	29	-1	2.9	0.26471	2.84368	0.0301	2.15047	0.13412	2.19645	-0.08772	1.20544	0.27759
279	29	0	3.9	1.09303	2.07909	-0.56521	2.19946	-0.09595	1.95561	0.45648	1.91636	-0.34725
280	29	0	4.9	1.14037	3.03236	-0.61337	2.09511	0.49105	2.06309	1.04211	2.63161	0.5295
281	29	0	5.9	0.94709	2.79682	-0.95387	1.94933	0.5182	1.87128	0.33755	1.69457	0.14
282	29	0	6.9	1.34439	3.02711	-0.94246	1.99519	0.65914	2.0343	0.12775	2.89182	0.13407
283	29	1	6.9	0.93876	2.84693	-1.08812	1.96781	0.44557	2.1189	0.13061	2.38835	-0.04329
284	29	1	5.9	0.48563	3.0361	-0.92466	1.78589	0.37388	1.79584	0.51306	1.6727	-0.02381
285	29	1	4.9	0.70053	2.87093	-0.86575	1.83063	0.27623	1.8929	0.49294	1.01162	0.21412
286	29	1	3.9	0.68701	2.91147	-0.43579	2.28708	0.46308	2.25136	0.31897	2.5782	0.24474
287	29	2	2.9	0.18298	2.88099	-0.60678	2.06158	0.36117	1.88776	-0.2463	1.83717	-0.31403
288	29	2	3.9	0.27903	2.50233	-0.59422	2.05502	0.41044	2.12273	0.43321	2.12569	0.238
289	29	2	4.9	0.01202	2.82822	-0.76085	2.02345	0.48936	2.01779	-0.64383	2.70438	-0.74704
290	29	2	5.9	0.00172	2.60746	-0.77695	2.07089	0.5772	2.07278	0.2188	1.96814	0.4459
291	29	2	6.9	0.43742	2.89423	-0.96243	2.00949	0.7318	1.97094	-0.09811	2.37265	-0.26055
292	29	3	6.9	0.30714	2.75352	-0.8044	2.12268	0.60239	2.19153	-0.15395	2.86783	-0.567
293	29	3	5.9	-0.30353	2.42342	-0.85945	1.92932	0.24481	1.84184	0.25206	1.96956	0.54415
294	29	3	4.9	-0.4577	2.5263	-0.5246	1.89155	0.42595	1.98746	0.09542	2.14459	0.09701
295	29	3	3.9	-0.37818	2.37197	-0.53907	2.15543	0.70976	2.01404	-0.04095	2.33147	-0.14089
296	29	3	2.9	-0.4827	2.47825	-0.37685	2.10072	0.66072	2.11765	0.10458	2.13205	-0.08881
297	29	3	1.9	-0.74005	2.58141	-0.36572	1.95594	0.51928	1.96008	-0.43846	2.15086	-0.12086
298	29	4	1.9	-0.56059	2.61281	-0.24813	2.4798	0.79284	2.44981	0.18289	3.80855	-0.19697
299	29	4	2.9	-0.57043	2.11177	-0.43796	2.18888	0.48676	2.06501	0.21918	2.73657	0.26722
300	29	4	3.9	-0.59842	2.48645	-0.49599	2.0276	0.40403	1.98514	-0.59257	2.0404	-0.01729
301	29	4	4.9	-0.71444	2.43119	0.08401	2.4455	1.08326	2.4327	0.37757	4.29805	0.33623
302	29	4	5.9	-0.05763	2.2528	-0.58214	2.12665	0.57053	2.07034	0.4236	2.40651	0.52626
303	29	4	6.9	0.42035	2.67014	-0.48623	2.48807	0.63625	2.41007	0.37934	3.55067	0.18532
304	29	5	6.9	0.13869	2.76075	-0.43647	2.17798	0.52083	2.1907	0.59452	2.36456	0.09619

305	29	5	5.9	-0.00855	2.54618	-0.4967	2.19807	0.67445	2.21204	0.44732	2.71665	0.19012
306	29	5	4.9	-0.69454	2.34407	-0.41043	2.16079	0.69717	2.29355	-0.11752	2.74012	-0.19103
307	29	5	3.9	-0.39041	2.2456	-0.37045	2.02792	0.52632	2.04192	-0.05252	2.40567	-0.22692
308	29	5	2.9	-0.7974	2.34926	-0.4643	2.24718	0.3874	2.07143	0.23982	2.86499	0.33441
309	29	6	3.9	-0.69607	2.40549	-0.3621	2.27585	0.51325	2.24509	0.38391	2.18977	0.12414
310	29	6	4.9	-0.38933	2.50495	-0.15914	2.48997	0.77699	2.40325	0.39794	3.52254	0.5522
311	29	6	5.9	-0.12519	2.77522	-0.45227	2.06683	0.49678	2.113	0.31677	2.45543	0.42336
312	29	6	6.9	0.57056	2.39987	-0.47878	2.03954	0.61086	2.1684	0.53949	1.82719	0.19359
313	29	7	6.9	0.20257	2.46486	-0.20927	2.05283	0.69171	2.16322	0.04761	2.30948	-0.30325
314	29	7	5.9	-0.32731	2.64307	-0.23362	2.25805	0.6899	2.28627	0.0995	2.47491	0.05095
315	29	7	4.9	-0.56825	2.42978	-0.29752	2.43312	0.47803	2.29693	-0.17038	3.39012	-0.20382
316	29	8	5.9	-0.0403	2.75872	-0.27201	2.54999	0.4067	2.36401	0.62137	3.01825	0.0052
317	29	8	6.9	0.47959	2.75702	-0.11187	2.0692	0.48916	2.09095	0.39898	1.69901	-0.26468
318	29	9	6.9	1.08785	2.3568	0.22825	2.09438	0.20917	2.09485	-0.0011	1.30349	-0.21217

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	34	-29	7.9	0.88021	2.76648	-1.1652	1.53395	0.12826	1.47442	-0.31695	1.00848	0.17593
2	34	-29	6.9	1.12676	2.48348	-0.9031	1.83612	0.28607	1.84177	-0.57826	2.40095	-0.19034
3	34	-28	5.9	0.77179	2.73769	-0.83252	1.75026	0.20664	1.74102	0.10056	1.49413	-0.59838
4	34	-28	6.9	0.63463	2.86556	-1.1701	1.78611	0.15338	1.80154	-0.17162	1.48627	-0.62229
5	34	-28	7.9	0.81124	2.84727	-1.09356	1.67004	0.22385	1.56859	0.34198	0.90094	0.49292
6	34	-27	7.9	0.97415	2.75865	-0.92733	1.58575	0.37132	1.50742	0.56841	1.0174	0.07714
7	34	-27	6.9	1.00629	2.74304	-0.69765	1.75486	0.53255	1.84432	-0.29467	1.65644	0.04492
8	34	-27	5.9	0.75847	2.72033	-0.91649	1.51582	0.00849	1.55066	0.11104	0.97235	0.15609
9	34	-27	4.9	0.49163	2.64183	-0.54637	1.91842	0.18939	1.86087	-0.0716	1.85027	0.36711
10	34	-26	3.9	0.0711	2.6573	-0.07783	2.01457	0.00246	1.98497	-0.11057	1.73608	-0.1903
11	34	-26	4.9	0.55291	2.4052	-0.75536	1.59385	0.00831	1.61568	0.01289	1.20202	-0.07231
12	34	-26	5.9	0.75656	2.46701	-0.9184	1.71499	0.09271	1.75748	0.01283	1.64359	0.01452
13	34	-26	6.9	1.09582	2.91958	-1.02725	1.54232	0.19336	1.53246	-0.00287	1.35756	-0.3624
14	34	-26	7.9	1.52403	2.31934	-1.13431	1.57201	0.13129	1.56347	-0.11375	1.14534	0.18883
15	34	-25	7.9	1.65754	2.42529	-1.05164	1.60887	0.26298	1.54154	-0.06734	1.39095	0.12162
16	34	-25	6.9	1.18023	2.42259	-1.11503	1.66857	0.23225	1.5824	-0.07815	1.43058	0.01637
17	34	-25	5.9	0.78554	2.31702	-0.91249	1.62995	0.12906	1.64875	0.18255	1.49589	-0.20889
18	34	-25	4.9	0.56782	2.36266	-0.63869	1.83842	0.16575	1.81359	0.35777	2.04389	0.34889
19	34	-25	3.9	0.00809	2.45002	-0.31723	1.92957	-0.02541	1.86182	0.84279	2.04435	0.48835
20	34	-25	2.9	-0.12525	2.48476	0.02083	1.98819	0.16895	1.91053	0.22294	1.66836	0.28617
21	34	-24	1.9	0.29319	2.3895	-0.46219	2.19509	-0.08461	2.12162	-0.49801	2.08476	0.12871
22	34	-24	2.9	-0.38588	2.46337	-0.11499	2.01813	-0.05179	1.9461	-0.14636	1.5214	0.37858
23	34	-24	3.9	0.28326	2.63784	-0.31653	1.89747	0.14938	1.87974	-0.03614	1.97776	-0.54992
24	34	-24	4.9	0.3416	2.78313	-0.80436	1.65079	0.01468	1.58832	-0.22359	1.40322	0.35928
25	34	-24	5.9	0.55931	2.90407	-0.64735	1.78901	0.17272	1.88008	-0.19503	1.58424	0.11561
26	34	-24	6.9	1.04892	2.64073	-1.01481	1.60029	0.20394	1.6147	0.33768	1.30146	-0.07445

27	34	-24	7.9	1.63404	2.63243	-1.12607	1.64434	0.25573	1.52474	-0.44947	1.16809	-0.48399
28	34	-23	7.9	1.48914	2.56415	-1.07124	1.58064	0.27345	1.62854	-0.16776	1.59681	-0.19675
29	34	-23	6.9	1.15786	2.67467	-0.96935	1.70256	0.20824	1.65231	0.34949	1.96978	0.27718
30	34	-23	5.9	0.85551	2.71015	-0.88482	1.68193	0.15491	1.79534	0.34556	1.90691	0.0062
31	34	-23	4.9	0.631	2.69985	-0.58591	1.90468	0.19125	1.84198	0.09004	1.61315	0.28865
32	34	-23	3.9	0.27523	2.62846	-0.45126	1.96787	0.10701	1.8751	0.37	2.31913	0.28553
33	34	-23	2.9	-0.08651	2.66693	0.15559	2.09968	0.24653	2.12838	0.37863	3.1035	0.08094
34	34	-23	1.9	0.02366	2.23037	-0.46555	2.10623	0.21745	2.09421	0.02511	2.08556	0.22962
35	34	-22	3.9	0.50752	2.5335	-0.40905	2.08794	0.22246	2.12035	0.38923	2.40543	-0.07354
36	34	-22	4.9	0.72728	2.48545	-0.75811	1.92948	-0.01106	1.91132	0.35039	2.49557	-0.00137
37	34	-22	5.9	0.74724	2.601	-0.80858	1.83465	0.30147	1.77509	0.30347	2.04681	0.39762
38	34	-22	6.9	1.22065	2.31	-1.12735	1.71343	0.02934	1.70312	0.20974	1.82321	0.2605
39	34	-22	7.9	1.561	2.6113	-0.98167	1.72912	0.34148	1.63556	-0.18388	1.89406	-0.26279
40	34	-21	7.9	1.27631	2.68624	-1.1526	1.64448	0.31886	1.61615	0.109	1.38867	0.20767
41	34	-21	6.9	1.0693	2.64428	-0.98504	1.58654	0.20603	1.57898	0.06468	1.49704	0.14903
42	34	-21	5.9	1.12734	2.87799	-0.78935	1.68659	0.14009	1.69082	0.27063	1.90094	0.19175
43	34	-21	4.9	0.22693	2.85143	-0.64124	1.74452	0.13105	1.73597	0.06219	1.90174	-0.17106
44	34	-21	3.9	0.04549	2.68498	-0.55634	1.94802	-0.0206	1.94623	-0.3557	1.82495	0.10105
45	34	-21	2.9	-0.08608	2.57157	-0.40326	2.04436	0.15278	2.03137	-0.05736	2.09418	0.18702
46	34	-20	2.9	0.0705	2.63093	-0.23017	1.95841	0.12852	1.977	0.25226	2.24839	0.55276
47	34	-20	3.9	0.16966	2.26275	-0.62105	1.78173	-0.10014	1.73315	0.06346	1.53719	0.22345
48	34	-20	4.9	0.13904	2.55605	-0.65832	1.72772	0.12102	1.68858	-0.10547	1.60309	-0.17765
49	34	-20	5.9	0.7356	2.6284	-0.74505	1.82661	0.18673	1.89476	-0.01865	2.06305	-0.0903
50	34	-20	6.9	1.15335	2.65526	-0.92497	1.82474	0.23223	1.70039	-0.08865	2.02665	0.11205
51	34	-20	7.9	1.53275	2.70574	-1.03921	1.59173	0.22757	1.48167	-0.29627	1.25073	-0.10625
52	34	-19	7.9	1.57098	2.61309	-0.97497	1.59423	0.18755	1.58607	0.32248	1.49775	0.38357
53	34	-19	6.9	1.21254	2.74376	-0.84906	1.82221	0.13016	1.69792	0.04364	1.80992	0.20457
54	34	-19	5.9	0.75221	2.56414	-0.81831	1.64294	0.17224	1.61887	0.33845	1.22381	-0.17669
55	34	-19	4.9	0.45863	2.42411	-0.7787	1.83328	-0.0704	1.68968	-0.21793	1.5864	-0.44728
56	34	-19	3.9	0.12731	2.79281	-0.46109	2.03165	0.3884	1.97518	-0.77603	2.09902	-0.46197
57	34	-19	2.9	0.04423	2.37767	-0.30181	2.09907	0.26232	2.05648	-0.60944	2.42533	-0.23574
58	34	-19	1.9	0.05541	2.93985	-0.39906	2.30694	0.29385	2.2993	0.48498	2.61243	-0.30985
59	34	-18	-0.1	-0.11063	2.7864	-0.67612	2.08001	0.07322	2.23683	0.57088	1.86167	0.6295
60	34	-18	0.9	-0.49608	2.28072	-0.21676	1.84099	0.10793	1.8558	0.13154	1.88201	0.33325
61	34	-18	1.9	-0.162	2.58602	-0.34539	2.14513	0.26241	2.01586	0.19415	2.48357	0.15104
62	34	-18	2.9	-0.12498	2.62123	-0.22604	2.04247	0.31971	2.09726	-0.00579	2.03607	0.3508
63	34	-18	3.9	-0.00549	2.66604	-0.50397	2.15206	0.21997	2.11135	-0.02475	2.56585	-0.26743
64	34	-18	4.9	0.19704	2.75782	-0.58725	1.69997	0.12437	1.86921	-0.09661	1.83365	-0.07659
65	34	-18	5.9	0.8975	2.75406	-0.64489	1.73809	0.3085	1.78033	0.26246	1.84189	-0.01876
66	34	-18	6.9	1.33256	2.72403	-0.92152	1.54877	0.25788	1.54019	0.15033	1.31657	0.17477
67	34	-18	7.9	1.70961	2.70317	-0.94908	1.82194	0.46097	1.72042	-0.12567	1.50294	0.08399
68	34	-17	7.9	1.7781	2.81311	-0.94546	1.52827	0.29023	1.51977	0.10384	1.11408	-0.02944
69	34	-17	6.9	1.09731	2.69017	-0.8256	1.66254	0.06067	1.63868	0.32796	1.65134	-0.06328
70	34	-17	5.9	1.13053	2.75916	-0.70418	2.07094	0.11361	2.1044	0.53279	2.56872	0.02195
71	34	-17	4.9	0.3801	2.57552	-0.53249	1.82922	0.09134	1.9257	-0.09437	1.77332	-0.34135
72	34	-17	3.9	-0.07646	2.82109	-0.41891	1.94569	0.15607	1.9923	-0.29351	2.16672	-0.62622
73	34	-17	2.9	-0.30692	2.62035	-0.47781	1.99615	-0.06246	2.10142	-0.37144	2.45358	-0.42248
74	34	-17	1.9	-0.56541	2.33013	-0.16076	2.08771	0.40208	2.04339	0.42985	2.43626	0.56091
75	34	-17	0.9	-0.53537	2.61321	-0.23522	2.2616	0.18299	2.24878	0.34094	3.24641	0.24278
76	34	-17	-0.1	-0.5246	2.31975	0.04076	2.19477	0.37106	2.09741	-0.14427	2.98214	-0.05798
77	34	-17	-1.1	-0.49227	2.54697	-0.04164	2.35174	0.52425	2.50316	0.13219	3.31236	0.06866
78	34	-16	-2.1	-0.50863	2.67069	-0.05131	2.28482	0.14059	2.30145	-0.00506	3.41512	-0.2034
79	34	-16	-1.1	-0.85982	2.55914	-0.42671	1.89656	-0.1647	1.87854	0.18682	2.21167	0.63246

80	34	-16	-0.1	-0.73942	2.44067	-0.32838	2.18605	0.10542	2.1016	0.27677	3.37797	-0.0715
81	34	-16	0.9	-0.76394	2.38337	-0.36003	2.07895	-0.086	2.18551	0.25538	3.54376	0.28069
82	34	-16	1.9	-0.17298	2.49687	0.06151	2.05512	0.56823	2.36053	0.49507	3.0721	0.46742
83	34	-16	2.9	-0.43186	2.46656	-0.01089	2.00385	0.33109	2.01602	0.23367	2.75917	-0.00885
84	34	-16	3.9	-0.34548	2.51416	-0.63368	1.81181	-0.11604	1.8553	-0.45352	2.16705	-0.31484
85	34	-16	4.9	-0.15147	2.70549	-0.70034	1.93491	-0.00466	2.04812	-0.14588	2.16247	0.02185
86	34	-16	5.9	0.47927	2.7287	-0.75553	1.89971	0.0778	1.98636	0.35376	2.31859	0.07206
87	34	-16	6.9	1.51253	2.31652	-0.66511	2.03895	0.36372	1.92546	-0.29852	2.51218	-0.38302
88	34	-16	7.9	1.84071	2.69981	-0.64153	1.81806	0.39573	1.64453	-0.27688	1.82719	-0.35378
89	34	-15	7.9	1.84002	2.78078	-1.04906	1.59765	0.10552	1.54554	0.03742	1.29563	0.22139
90	34	-15	6.9	1.31777	2.62439	-0.69714	1.89715	0.37108	2.02969	-0.10271	2.2325	-0.1671
91	34	-15	5.9	0.81761	2.92761	-0.73453	2.18883	0.33141	2.18595	0.57562	2.65102	0.43171
92	34	-15	4.9	0.1	2.52504	-0.60537	2.09794	-0.18147	1.99529	-0.38922	2.50186	-0.28628
93	34	-15	3.9	0.03779	2.99404	-0.32928	2.14227	0.3038	2.05915	0.0483	2.56348	0.68426
94	34	-15	2.9	-0.46339	2.53757	-0.28619	1.94413	0.15131	1.9501	0.67879	2.46688	0.55207
95	34	-15	1.9	-0.38993	2.43031	-0.08107	2.11744	0.32401	2.079	-0.45337	2.97834	-0.16604
96	34	-15	0.9	-0.54163	2.67199	-0.09092	2.20628	0.16725	2.20066	-0.36663	3.36376	-0.2943
97	34	-15	-0.1	-0.56044	2.50969	-0.10254	1.98706	0.29032	1.92807	0.36657	2.43031	0.10009
98	34	-15	-1.1	-0.44661	2.64026	-0.29427	2.31793	0.28627	2.23011	0.73288	3.47941	0.79981
99	34	-15	-2.1	-0.56429	2.44574	-0.33882	2.33384	0.05952	2.34265	0.05815	3.42786	-0.05911
100	34	-15	-3.1	-0.37067	2.52977	-0.0365	2.48504	0.45625	2.38175	0.25177	4.81251	0.10597
101	34	-14	-4.1	-0.68168	3.31707	-0.23851	1.85776	-0.07811	1.82373	0.06821	2.59035	0.06922
102	34	-14	-3.1	-0.52468	2.55307	-0.15752	2.14509	0.20096	2.02034	0.55154	2.94114	0.96706
103	34	-14	-2.1	-0.84451	2.44126	-0.13261	2.13655	0.14108	2.10784	0.53114	2.78987	0.07416
104	34	-14	-1.1	-0.53305	2.34358	-0.36578	1.91314	0.07995	1.98375	0.38158	2.46658	0.54037
105	34	-14	-0.1	-0.83786	2.49154	-0.09594	2.06531	0.26556	2.10556	-0.08564	3.32893	-0.3803
106	34	-14	0.9	-0.63628	2.61214	-0.31668	1.80305	0.11141	1.80044	-0.01315	1.82487	-0.38937
107	34	-14	1.9	-0.33215	2.57396	-0.18631	2.04311	0.27414	2.0093	0.40322	2.19096	-0.14073
108	34	-14	2.9	-0.49668	2.48039	-0.16106	2.13123	0.34173	2.13737	0.00118	2.50495	-0.38852
109	34	-14	3.9	-0.12744	2.83757	-0.60613	2.16269	-0.03055	2.02298	0.32567	3.15221	0.4305
110	34	-14	4.9	0.03757	2.51221	-0.59098	1.87977	0.24917	1.87095	-0.18503	2.26726	-0.4768
111	34	-14	5.9	1.19398	2.42154	-0.6041	1.93228	0.25392	1.94699	0.40832	1.66027	0.10014
112	34	-14	6.9	1.37537	3.00808	-0.51268	2.08657	0.37326	2.1456	-0.35137	2.97553	-0.82594
113	34	-14	7.9	1.82573	2.92591	-0.89443	1.77256	0.41142	1.76694	-0.22289	1.94084	0.07761
114	34	-13	7.9	1.79168	2.56165	-0.87472	1.55954	0.19956	1.60321	0.39644	0.92193	-0.43858
115	34	-13	6.9	1.51867	2.78893	-0.56562	1.86547	0.23698	1.71731	0.21731	1.79489	-0.34088
116	34	-13	5.9	0.9536	2.9215	-0.51291	2.1628	0.35559	2.25765	0.48312	3.45485	0.42082
117	34	-13	4.9	0.38189	2.67798	-0.54461	1.94813	0.13746	2.05396	0.27667	2.23561	-0.40154
118	34	-13	3.9	0.05534	2.92287	-0.44869	2.43103	0.34369	2.30994	-0.39454	3.34022	-0.46665
119	34	-13	2.9	-0.09938	2.31784	-0.41603	2.20182	0.12993	1.99911	-0.07974	2.59246	-0.37079
120	34	-13	1.9	-0.35219	2.57429	-0.13271	2.05667	0.17249	1.90701	-0.02003	2.50657	-0.12697
121	34	-13	0.9	-0.64177	2.79343	-0.29063	2.34432	0.13004	2.28485	0.36371	2.70828	0.07838
122	34	-13	-0.1	-0.36355	2.38	-0.25754	2.21518	0.25067	2.30157	-0.16444	3.33336	-0.33079
123	34	-13	-1.1	-0.43975	2.58812	-0.47394	2.16443	0.30036	1.90501	0.26597	2.19795	0.18154
124	34	-13	-2.1	-0.49404	2.36698	-0.34069	2.23234	0.14692	2.26367	0.30024	2.98268	0.50213
125	34	-13	-3.1	-0.55363	2.40859	-0.02558	2.25546	0.31491	2.20353	-0.29622	3.35248	0.37308
126	34	-13	-4.1	-0.48929	2.52862	-0.10164	2.17026	0.21227	2.20973	0.18655	3.48186	0.13959
127	34	-13	-5.1	-0.39755	2.6319	-0.2741	2.20765	0.24842	2.18694	-0.35339	2.87799	0.27923
128	34	-12	-6.1	-0.53148	2.78645	-0.19483	1.9807	0.20871	2.0482	0.94264	2.66204	0.8246
129	34	-12	-5.1	-0.40429	2.65777	-0.46201	2.17372	0.1811	2.12502	0.57106	2.53633	0.18488
130	34	-12	-4.1	-0.49364	2.27853	-0.33768	2.07163	0.10044	2.05534	0.1016	2.36875	-0.1607
131	34	-12	-3.1	-0.57846	2.44639	-0.44322	2.14726	0.14558	2.09217	0.04035	2.84136	-0.03958
132	34	-12	-2.1	-0.44735	2.45965	-0.42665	2.01429	0.08029	2.04952	0.07495	2.61721	0.62824

133	34	-12	-1.1	-0.47855	2.40863	-0.36125	2.21383	0.20794	2.13217	0.40021	2.91733	0.40054
134	34	-12	-0.1	-0.53258	2.77602	-0.16574	1.94347	0.15596	2.06928	0.25964	2.19683	0.74742
135	34	-12	0.9	-0.19159	2.6535	-0.34846	2.03595	0.12159	2.02563	0.90646	2.7524	0.34465
136	34	-12	1.9	-0.53302	2.46161	-0.53029	1.99347	0.12639	1.93195	0.57664	2.01282	0.48049
137	34	-12	2.9	-0.37713	2.65146	-0.30162	2.13883	0.22333	2.04162	-0.23749	2.66529	0.29978
138	34	-12	3.9	-0.13072	2.50235	-0.56181	2.22089	0.01921	2.15133	0.19744	2.88063	-0.24199
139	34	-12	4.9	0.38542	2.73414	-0.30859	2.07206	0.34648	2.11106	0.2759	2.78846	-0.00377
140	34	-12	5.9	0.87796	2.81948	-0.57477	2.00259	0.4173	2.01803	0.39985	1.813	-0.41442
141	34	-12	6.9	1.158	2.91054	-0.54956	1.97167	0.24645	1.95768	-0.49787	1.94324	-0.28824
142	34	-12	7.9	2.09626	2.98298	-0.62914	2.05179	0.4862	1.99731	0.41465	2.85437	0.13475
143	34	-11	7.9	1.99456	2.89666	-0.68557	1.82012	0.45868	1.92289	-0.37039	2.20972	-0.15033
144	34	-11	6.9	1.26978	2.73486	-0.60221	1.66481	0.21218	1.71582	0.27397	1.52091	-0.08999
145	34	-11	5.9	0.91929	2.73937	-0.52926	2.06792	0.13739	2.08768	0.06461	2.20304	-0.09897
146	34	-11	4.9	0.32277	2.7751	-0.5058	1.98954	0.29185	1.96246	0.1829	2.03763	0.08344
147	34	-11	3.9	0.12571	2.69103	-0.57347	2.24388	0.15859	2.19536	0.47003	2.88455	0.53986
148	34	-11	2.9	0.06177	2.5227	-0.44265	2.12947	0.13814	2.17816	0.4405	2.54189	0.32744
149	34	-11	1.9	-0.25218	2.36683	-0.31734	2.10888	0.37277	1.98609	0.23659	2.89657	0.16197
150	34	-11	0.9	-0.50592	2.79807	-0.41905	2.22534	0.37105	2.16075	0.19325	2.75464	0.28603
151	34	-11	-0.1	-0.50957	2.55697	-0.48489	2.42766	0.26904	2.14063	0.80184	3.07212	0.76429
152	34	-11	-1.1	-0.25991	2.66219	-0.47912	2.03518	0.206	1.88031	0.13363	1.68935	0.09781
153	34	-11	-2.1	-0.44795	2.54576	-0.76827	1.97208	-0.0455	1.94669	0.32101	2.3158	0.08884
154	34	-11	-3.1	-0.45948	2.55754	-0.39681	1.98144	0.01708	1.9799	0.31708	2.5589	0.02034
155	34	-11	-4.1	-0.32476	2.21551	-0.64712	2.0131	-0.02562	1.99658	-0.07337	2.53317	-0.42696
156	34	-11	-5.1	-0.47652	2.07426	-0.76413	2.01652	-0.10127	1.8497	-0.15516	2.21651	-0.17613
157	34	-11	-6.1	-0.63708	2.3758	-0.35573	2.02145	0.17849	1.87179	-0.12345	2.16403	0.1139
158	34	-10	-5.1	-0.8941	2.11209	-1.5159	2.6142	0.92828	2.86785	2.0166	-1.90956	0.72848
159	34	-10	-4.1	-0.28074	2.65495	-0.54806	1.98961	0.29775	1.93903	-0.4373	1.758	0.16658
160	34	-10	-3.1	0.06355	2.84688	-0.58268	1.78586	-0.09806	1.84091	0.4686	2.76246	-0.23776
161	34	-10	-2.1	-0.54069	2.37595	-0.37969	2.07477	0.35851	2.15691	0.38324	2.68032	0.32763
162	34	-10	-1.1	-0.32659	2.56711	-0.5797	1.89923	0.09083	1.95242	0.66643	2.29281	0.7076
163	34	-10	-0.1	-0.45522	2.2405	-0.49592	1.98756	0.13294	1.92753	0.41965	2.31866	0.03569
164	34	-10	0.9	0.15614	1.75843	-0.46765	1.46131	0.31283	1.53705	-0.10923	0.9352	-0.1207
165	34	-10	1.9	0.13298	2.03015	-0.35471	1.81926	0.2644	1.92246	-0.09134	2.22172	0.01309
166	34	-10	2.9	0.3061	2.14641	-0.5345	1.81643	0.17829	1.83464	-0.00254	1.49366	0.2208
167	34	-10	3.9	0.5573	2.14285	-0.47821	1.76508	0.00947	1.77715	-0.04085	1.66027	0.15464
168	34	-10	4.9	0.85197	2.18578	-0.44569	1.8281	0.08851	1.73881	0.54274	1.88507	0.26738
169	34	-10	5.9	1.36514	2.1067	-0.45955	1.48345	0.06077	1.54707	0.08089	0.89619	5.87414E-4
170	34	-10	6.9	1.75089	2.31827	-0.49692	1.70999	0.14383	1.57905	-0.32553	1.51214	-0.26181
171	34	-10	7.9	2.08112	2.31579	-0.44262	1.57753	0.43273	1.57341	-0.15544	1.19346	-0.16299
172	34	-9	7.9	2.20776	2.20911	-0.50099	1.82007	0.2031	1.73763	-0.00945	1.84742	-0.18198
173	34	-9	6.9	1.92527	2.28587	-0.38353	1.79538	0.26839	1.64371	0.19495	1.77293	0.13589
174	34	-9	5.9	1.52502	2.17412	-0.42676	1.61642	-0.01314	1.64671	0.05961	1.27412	0.04046
175	34	-9	4.9	1.30194	2.33659	-0.36623	1.55158	-0.05855	1.60339	0.16149	1.28542	0.05645
176	34	-9	3.9	1.0815	2.17187	-0.57591	1.70342	0.08082	1.81444	0.24029	1.16256	0.10305
177	34	-9	2.9	0.2076	2.26715	-0.40735	1.67107	-0.08753	1.54606	0.15608	1.29669	-0.0016
178	34	-9	1.9	0.1498	2.19024	-0.33545	1.78803	0.12967	1.71124	-0.08057	1.60731	-0.08593
179	34	-9	0.9	0.13801	2.28975	-0.44413	1.81423	0.27668	1.79623	-0.36373	1.4196	0.11092
180	34	-9	-0.1	0.00415	1.86328	-0.3696	1.50021	0.36768	1.47464	-0.10613	0.84896	-0.42554
181	34	-9	-1.1	0.01179	1.81583	-0.27392	1.86029	0.45791	1.91191	-0.14581	1.83128	0.17514
182	34	-9	-2.1	0.05656	2.06464	-0.32341	1.62106	0.16123	1.5662	0.24438	1.21179	-0.09287
183	34	-9	-3.1	-0.11639	2.2659	-0.41513	1.97003	0.15656	1.97212	-0.14978	2.11197	-0.31099
184	34	-9	-4.1	0.15384	2.16392	-0.45686	1.78295	0.08352	1.80642	-0.07816	1.73872	0.27323
185	34	-8	-3.1	0.12357	2.04117	-0.33376	1.53604	0.14802	1.66096	0.09182	1.51354	-0.05218

186	34	-8	-2.1	0.26031	2.11742	-0.34972	1.76627	-0.09557	1.82389	0.57016	2.19404	0.5691
187	34	-8	-1.1	0.26199	1.90067	-0.52308	2.01732	0.20304	2.08773	-0.06217	2.27072	0.60703
188	34	-8	-0.1	0.26162	2.25845	-0.59884	1.88054	0.10578	1.80737	0.26308	1.22202	0.52989
189	34	-8	0.9	0.32916	2.01527	-0.49651	1.70236	-0.09826	1.56179	-0.20783	1.20773	-0.07005
190	34	-8	1.9	0.45879	2.09749	-0.45195	1.72459	-0.11982	1.75223	-0.22198	1.60942	-0.01549
191	34	-8	2.9	0.79147	2.03572	-0.68866	1.61189	-0.11973	1.73889	0.15127	1.02796	0.23895
192	34	-8	3.9	1.12967	2.21551	-0.42173	1.81226	-0.09086	1.82398	0.19888	1.62162	-0.01006
193	34	-8	4.9	1.59097	2.04922	-0.56604	1.68353	-0.24063	1.55539	-0.14613	0.86273	-0.29144
194	34	-8	5.9	1.70208	2.31848	-0.53715	1.55848	-0.22585	1.59139	0.0583	1.20217	0.03396
195	34	-8	6.9	2.10731	2.25304	-0.69731	1.39014	0.03012	1.39484	0.28634	0.94177	0.38953
196	34	-8	7.9	2.0812	2.34179	-0.70199	1.54612	0.29579	1.53626	-0.04461	1.24661	0.04418
197	34	-7	7.9	2.17036	2.43685	-1.14809	1.44775	0.11371	1.21175	0.23672	0.85861	-0.05438
198	34	-7	6.9	2.2007	2.4338	-0.74205	1.75085	0.11864	1.61224	-0.5688	1.54074	-0.19116
199	34	-7	5.9	1.86464	2.44509	-0.69871	1.49078	-0.24915	1.54229	-0.15141	0.99557	-0.19855
200	34	-7	4.9	1.68363	2.44896	-0.52257	1.74875	-0.35318	1.6228	0.16702	0.77686	-0.1561
201	34	-7	3.9	1.5705	2.34566	-0.56905	1.73585	-0.35021	1.68485	-0.13412	1.45519	-0.06015
202	34	-7	2.9	0.9977	2.02526	-0.45539	1.68718	-0.12015	1.7685	-0.36148	0.98258	-0.47179
203	34	-7	1.9	0.86823	2.17006	-0.35302	1.81254	-0.04383	1.76414	0.13644	1.2984	-0.00125
204	34	-7	0.9	0.48928	2.2779	-0.16119	1.77663	0.16927	1.75144	-0.1479	1.40063	-0.24728
205	34	-7	-0.1	0.19738	1.717	-0.48535	1.64876	-0.15913	1.763	0.21625	1.55217	-0.12317
206	34	-7	-1.1	0.24004	2.12009	-0.46382	1.68574	0.0685	1.64928	-0.26528	1.33971	-0.04096
207	34	-7	-2.1	0.17796	2.15478	-0.67936	1.4595	-0.0315	1.48798	0.27566	0.84319	0.4119
208	34	-6	-1.1	0.30091	1.99232	-0.14501	1.89886	0.20788	1.84835	-0.03376	1.89998	-0.42321
209	34	-6	-0.1	0.19027	2.043	-0.61182	1.6889	-0.20692	1.71485	-0.17513	1.1411	-0.33346
210	34	-6	0.9	0.87104	2.27938	-0.29106	1.70521	-0.21732	1.73124	-0.09752	1.31193	0.01628
211	34	-6	1.9	1.07628	2.08433	-0.34629	1.88885	-0.06209	1.93952	0.17581	2.03423	0.12827
212	34	-6	2.9	1.59587	1.92116	-0.5104	1.99916	-0.30214	1.84911	0.17718	1.31567	-0.17468
213	34	-6	3.9	1.68625	2.27771	-0.46448	1.7084	-0.22776	1.73666	0.41185	1.25697	0.1182
214	34	-6	4.9	2.1575	2.20463	-0.55285	1.80551	-0.40674	1.59589	0.03036	1.4872	0.1658
215	34	-6	5.9	2.26211	2.28149	-0.68629	1.83769	-0.11183	1.67888	-0.0965	1.48544	-0.20453
216	34	-6	6.9	2.26155	2.32527	-1.02718	1.57165	0.03732	1.4512	-0.02996	1.08005	0.2013
217	34	-6	7.9	2.43337	2.29156	-1.17205	1.41008	0.17766	1.24776	0.21029	0.99107	0.08639
218	34	-5	7.9	2.12276	2.37854	-1.24439	1.52505	0.29448	1.49039	0.10899	1.17193	0.15336
219	34	-5	6.9	2.25935	2.54436	-1.00835	1.62912	0.05769	1.51669	0.13725	1.38716	-0.13139
220	34	-5	5.9	2.21664	2.30617	-0.76067	1.6029	-0.26039	1.46706	-0.25855	1.01154	-0.09827
221	34	-5	4.9	2.04506	2.39907	-0.61932	1.39429	-0.44425	1.4142	0.095	0.77827	0.05226
222	34	-5	3.9	1.77558	2.50406	-0.5298	1.53556	-0.54603	1.53249	-0.09704	0.68663	0.15516
223	34	-5	2.9	1.39419	2.55074	-0.25471	1.82449	-0.3319	1.78232	-0.16974	1.58599	-0.23447
224	34	-5	1.9	0.96879	2.39695	-0.5183	1.68883	-0.35933	1.74395	-0.20734	1.2835	-0.38455
225	34	-5	0.9	0.77029	1.98829	-0.17592	1.90387	-0.11021	1.84553	-0.16487	1.47275	-0.28746
226	34	-5	-0.1	0.48627	2.30287	-0.27526	1.73395	-0.06493	1.63202	0.23044	1.23471	0.18219
227	34	-4	-0.1	0.19919	2.32172	-0.27644	1.90162	0.22147	1.89901	0.14266	1.67993	0.05979
228	34	-4	0.9	0.64362	2.05747	-0.45871	1.54398	-0.32286	1.51133	-0.00495	0.60305	-0.33811
229	34	-4	1.9	1.1481	2.45902	-0.15302	1.79231	-0.14733	1.88568	0.70673	1.2272	-0.43567
230	34	-4	2.9	1.44807	2.35886	-0.31377	1.58787	-0.29013	1.56881	0.21028	0.92097	-0.0914
231	34	-4	3.9	1.806	2.33138	-0.45259	1.78889	-0.26708	1.67039	-0.02339	1.3612	-0.08302
232	34	-4	4.9	1.9245	2.38326	-0.49793	1.75228	-0.08417	1.7162	-0.34378	1.67065	-0.77798
233	34	-4	5.9	2.09844	2.39899	-0.84836	1.50412	0.00419	1.49966	0.15441	0.93841	0.00378
234	34	-4	6.9	2.2263	2.3506	-1.20338	1.4162	-0.0562	1.29131	0.12189	0.70231	0.19626
235	34	-4	7.9	2.38185	2.20005	-1.31615	1.41343	0.10875	1.3469	0.18264	0.84205	-0.18015
236	34	-3	7.9	1.96706	2.19793	-1.26408	1.58882	0.25327	1.55635	-0.26517	1.51244	-0.26071
237	34	-3	6.9	1.81187	2.50821	-1.15402	1.61132	0.16323	1.53989	0.12838	1.02055	-0.1445
238	34	-3	5.9	1.65686	2.39646	-0.80439	1.49787	0.06626	1.46194	0.12635	0.80832	-0.16574

239	34	-3	4.9	1.71507	2.34872	-0.76995	1.65	-0.21096	1.52795	0.21862	1.23464	-0.2037
240	34	-3	3.9	1.65122	2.23794	-0.40677	1.67761	-0.11606	1.65085	-0.03276	1.18704	-0.60215
241	34	-3	2.9	1.4789	2.2961	-0.12603	1.67109	-0.17232	1.57184	0.12903	1.22183	-0.04326
242	34	-3	1.9	1.13101	2.14428	-0.11128	1.70837	-0.25502	1.65727	0.03651	1.33668	-0.18506
243	34	-3	0.9	0.30404	2.20464	-0.23765	1.63061	-0.10478	1.62901	0.05052	1.24785	-0.26869
244	34	-2	1.9	0.67141	2.47001	-0.20083	1.78761	0.13333	1.71744	0.33815	1.34861	0.19225
245	34	-2	2.9	1.06245	2.50167	-0.37522	1.70275	-0.01117	1.73806	-0.01069	1.18324	-0.26413
246	34	-2	3.9	1.31666	2.27364	-0.37913	1.61772	-0.0208	1.5432	0.40354	0.92552	-0.32413
247	34	-2	4.9	1.6871	2.19948	-0.64522	1.6172	-0.0152	1.66105	0.03332	1.17109	-0.57613
248	34	-2	5.9	1.5014	2.43814	-0.87866	1.44307	0.12235	1.49961	0.13643	1.13827	-0.18994
249	34	-2	6.9	1.27275	2.30607	-1.01973	1.55521	0.20099	1.52955	0.22012	0.95197	0.22132
250	34	-2	7.9	1.61944	2.23918	-1.25902	1.40671	0.13765	1.41605	-0.08887	0.93245	-0.03255
251	34	-1	7.9	1.47626	2.37302	-1.16783	1.5193	0.17775	1.54859	0.04316	1.33234	-0.06045
252	34	-1	6.9	0.82118	2.29569	-0.74559	1.75519	0.28691	1.66157	-0.12425	1.76219	-0.2239
253	34	-1	5.9	1.1584	2.18698	-0.86367	1.55784	0.29419	1.6343	0.19738	1.49961	-0.06786
254	34	-1	4.9	0.92507	2.32317	-0.55799	1.65199	0.31504	1.71751	-0.06144	1.28609	-0.42115
255	34	-1	3.9	1.1239	2.20189	-0.3532	1.76629	-0.00764	1.81418	0.10814	1.32791	0.01479
256	34	-1	2.9	0.75008	2.19115	-0.22487	1.76534	0.10549	1.71207	0.34025	1.6033	-0.07578
257	34	0	3.9	0.19212	2.19333	-0.39676	1.6309	0.29979	1.64685	0.44782	1.14374	0.21279
258	34	0	4.9	0.58205	2.13968	-0.55299	1.65921	0.28326	1.72363	0.16855	1.48365	-0.19092
259	34	0	5.9	0.39115	2.19818	-0.59144	1.75256	0.47522	1.7686	0.20273	1.89657	-0.18708
260	34	0	6.9	0.86539	1.9957	-0.63428	1.49432	0.47318	1.5503	-0.119	1.20239	0.07112
261	34	0	7.9	1.28889	2.00438	-0.87548	1.53568	0.2906	1.56302	0.21351	1.43097	-0.00174
262	34	1	7.9	0.96589	2.3216	-0.78208	1.67308	0.17504	1.72361	0.51502	1.33689	0.17227
263	34	1	6.9	0.2128	2.32349	-0.69679	1.69483	0.22641	1.75818	0.41543	1.82426	0.01778
264	34	1	5.9	-0.23583	2.11761	-0.59402	1.79637	0.51443	1.7985	0.24213	1.77908	-0.10123
265	34	1	4.9	0.16965	1.91557	-0.38566	1.63832	0.45688	1.59633	0.08472	1.7078	-0.00594
266	34	2	5.9	0.00256	2.13704	-0.35993	1.92264	0.61803	1.8238	0.21176	2.20685	0.18279
267	34	2	6.9	0.0527	2.12174	-0.39359	1.8567	0.33505	1.94293	-0.1304	2.08134	-0.3954
268	34	2	7.9	0.78679	2.24783	-0.48548	1.6645	0.19112	1.69519	-0.12805	1.5038	-0.29248
269	34	3	7.9	0.76676	2.47903	-0.27527	1.98627	0.19322	1.96999	0.42215	2.09319	0.18872
270	34	4	7.9	2.87823	4.16747	0.18992	2.61921	0.42755	2.60955	-0.29342	5.21826	-0.19741
271	34	5	7.9	0.77141	2.06127	-0.16955	1.68911	0.073	1.7122	-0.0014	1.14273	-0.11619
272	34	6	7.9	0.78307	2.15134	-0.32263	1.53269	0.26257	1.50176	-0.00555	0.85451	0.04343
273	34	7	7.9	0.55585	2.37951	-0.12188	1.75545	0.37126	1.7244	0.14426	1.48345	-0.06123
274	34	7	6.9	-0.25502	2.18131	-0.25234	1.85853	0.11295	1.80709	-0.44529	1.89093	-0.27317
275	34	7	5.9	-0.49053	2.49982	-0.30781	1.67354	0.28305	1.69288	0.29069	0.79538	0.0553
276	34	8	5.9	-0.38038	2.14384	-0.29306	1.74423	0.21238	1.75072	0.15503	1.33464	-0.1383
277	34	8	6.9	-0.39002	2.12868	-0.2594	1.76334	0.10192	1.70093	0.0033	1.58725	0.31316
278	34	8	7.9	0.91978	1.98504	-0.20515	1.76677	-0.01544	1.70546	0.15911	1.19254	0.03936
279	34	9	7.9	0.74595	2.35936	0.20686	1.79008	0.37391	1.83498	-0.09471	1.80878	-0.03185
280	34	9	6.9	0.07319	2.18928	-0.07445	1.78818	0.2341	1.84073	-0.28226	1.84841	-0.22634
281	34	10	7.9	0.88677	2.46082	0.09521	1.64951	0.23186	1.58374	-0.31375	1.00221	-0.47595

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	39	-24	8.9	0.07795	2.24792	-0.57938	1.46234	0.4823	1.34841	0.01019	-0.90148	-0.11982
2	39	-23	8.9	0.50445	2.69908	-0.50818	0.91725	0.13083	0.69169	-0.142	-0.0413	0.01112
3	39	-23	7.9	1.26081	2.71213	-0.70382	0.79018	-0.01798	0.76316	-0.16909	-0.17332	0.09734
4	39	-22	6.9	1.0189	2.77411	-0.71858	0.86931	-0.04234	0.79467	0.09103	0.11784	-0.14632
5	39	-22	7.9	1.21562	2.94429	-0.76502	0.80173	0.06127	0.72331	-0.22958	-0.10426	0.03217
6	39	-22	8.9	0.84441	2.62013	-0.61563	0.92523	0.15245	0.73806	0.00985	-0.02039	0.08046
7	39	-21	8.9	0.96081	2.76136	-0.60733	0.86023	0.21439	0.65776	-0.13997	-0.09615	0.02433
8	39	-21	7.9	1.18615	2.83838	-0.69787	0.89603	0.12987	0.85276	0.12391	-0.08196	-0.11597
9	39	-21	6.9	0.92633	2.6018	-0.59153	0.81464	0.00477	0.81716	0.00523	0.01077	-0.082
10	39	-21	5.9	0.42959	2.58331	-0.49872	0.89521	0.07767	0.86133	-0.11331	-0.06699	-0.4053
11	39	-20	4.9	0.44273	2.71304	-0.42501	1.04774	0.12029	1.00533	-0.1028	0.00992	-0.18253
12	39	-20	5.9	0.81776	2.65779	-0.50396	0.9232	0.0104	0.83689	0.01087	0.08677	-0.17892
13	39	-20	6.9	0.83889	2.56086	-0.58646	0.87108	0.08092	0.85224	-0.02104	0.05567	-0.19386
14	39	-20	7.9	1.19951	2.93251	-0.65281	0.83992	0.18886	0.76293	-0.05525	-0.04677	-0.146
15	39	-20	8.9	1.32634	2.59556	-0.66409	0.89497	0.24065	0.73711	-0.192	-0.06807	-0.0115
16	39	-19	8.9	1.40924	2.69017	-0.72534	1.01906	0.22208	0.80554	0.0892	-0.08775	0.125
17	39	-19	7.9	1.16227	2.59745	-0.62475	0.83541	0.19717	0.77382	0.03439	-0.00891	-0.23322
18	39	-19	6.9	0.86958	2.72001	-0.53116	0.88869	0.16393	0.85366	-0.16565	0.01288	-4.49124E-4
19	39	-19	5.9	0.78882	2.82109	-0.41189	0.99347	0.12275	0.97038	0.05425	0.05016	-0.18053
20	39	-19	4.9	0.42756	2.79378	-0.26583	0.82659	0.09711	0.84102	0.15218	-0.06317	0.03856
21	39	-19	3.9	0.01628	2.65495	-0.26761	0.87695	0.14962	0.85366	-0.01431	0.06071	-0.14909
22	39	-18	2.9	-0.17248	2.58998	-0.10788	0.77068	0.18731	0.83188	-0.28707	-0.06866	-0.20362
23	39	-18	3.9	0.00371	2.96235	-0.33564	0.93087	0.12712	0.86814	-0.01996	6.54022E-4	-0.16396
24	39	-18	4.9	0.26351	2.75813	-0.3402	0.944	0.0743	1.02799	-0.02861	-0.05995	-0.16597
25	39	-18	5.9	0.5406	2.56389	-0.3722	0.91802	-0.01028	0.84565	0.02272	-0.03514	-0.17595
26	39	-18	6.9	1.09112	2.77859	-0.52032	0.95177	0.13178	0.85766	-0.11026	0.00919	-0.23273
27	39	-18	7.9	1.24437	2.74382	-0.58298	0.94814	0.14303	0.81141	0.08383	0.02479	-0.01278
28	39	-18	8.9	1.37192	2.88217	-0.66054	0.8772	0.22865	0.72984	-0.02709	-0.03743	0.04747
29	39	-17	8.9	1.48123	2.62223	-0.70589	0.94911	0.29361	0.79701	0.04872	-0.01182	-0.20462
30	39	-17	7.9	1.28577	2.95025	-0.63471	0.89768	0.2087	0.79035	0.10148	0.01275	0.02763
31	39	-17	6.9	1.07211	2.91899	-0.51164	0.97364	0.195	0.88693	-0.13291	-0.10792	-0.03352
32	39	-17	5.9	0.7581	2.77199	-0.40175	0.90473	0.05783	0.96061	0.07375	-0.03513	-0.21017
33	39	-17	4.9	0.34469	2.95144	-0.29713	0.93221	0.15421	0.86472	-0.31264	-0.11146	0.16296
34	39	-17	3.9	-0.29331	2.91997	-0.22063	0.84485	0.11154	0.872	-0.12061	0.07201	-0.10486
35	39	-17	2.9	-0.20545	2.86389	-0.13596	0.90384	0.09075	0.8845	-0.00581	0.22111	0.00656
36	39	-17	1.9	-0.87597	2.74067	-0.04738	0.97543	0.03639	1.01297	-0.30253	0.12827	-0.03298
37	39	-16	0.9	-0.67315	3.06792	-0.05035	0.95746	0.09224	0.97393	-0.00108	0.29185	0.273
38	39	-16	1.9	-0.43854	2.97223	-0.06919	0.99731	0.26844	0.8796	0.07898	-0.20587	-0.26463
39	39	-16	2.9	-0.21845	3.02852	-0.15738	0.95022	0.22679	0.88385	-0.2318	-0.10766	0.18758
40	39	-16	3.9	0.01344	2.64555	-0.16016	0.87809	0.23705	0.92531	0.09223	0.0376	-0.13717
41	39	-16	4.9	-0.08464	2.35553	-0.3367	1.05075	0.19	1.04715	-0.2206	-0.15198	-0.36485
42	39	-16	5.9	0.45417	2.5772	-0.3362	0.8505	0.25155	0.84536	-0.01739	-0.03961	-0.20173
43	39	-16	6.9	0.84078	2.89449	-0.54333	1.01279	0.13514	0.93042	-0.28659	-0.016	0.04655
44	39	-16	7.9	1.24629	2.84962	-0.53536	0.89735	0.25103	0.82448	0.14802	-0.02603	-0.2898
45	39	-16	8.9	1.50559	2.77657	-0.58557	0.89349	0.28579	0.72699	-0.22381	-0.08123	-0.08969
46	39	-15	8.9	1.21421	2.90508	-0.43061	0.8985	0.30678	0.69155	-0.18702	-0.06506	-0.05054
47	39	-15	7.9	1.25154	2.8594	-0.48589	0.96195	0.26126	0.85563	-0.12572	0.01731	-0.02728
48	39	-15	6.9	0.96918	2.89904	-0.47987	1.00537	0.18173	0.92936	0.06029	-0.08443	0.23835
49	39	-15	5.9	0.80917	2.67308	-0.29915	0.92109	0.13131	0.97637	0.02287	-0.06104	-0.01819
50	39	-15	4.9	0.36557	2.72054	-0.35938	1.11085	0.0375	0.99243	-0.036	0.17447	-0.29982
51	39	-15	3.9	0.06477	2.88976	-0.13156	0.77352	0.13836	0.78211	0.44634	0.04035	0.04868

52	39	-15	2.9	-0.24012	2.75852	-0.16106	0.98763	0.09819	0.99215	0.18094	0.1414	0.36342
53	39	-15	1.9	-0.37114	2.7546	-0.01489	0.95047	0.04715	0.87714	-0.2028	-0.08715	-0.15946
54	39	-15	0.9	-0.48825	2.66769	0.0916	0.87689	0.0985	0.89497	-0.09115	-0.11032	-0.19391
55	39	-15	-0.1	-0.31992	2.53101	-0.00135	1.01622	0.11092	0.87795	-0.09728	-0.23368	0.01829
56	39	-14	-1.1	-0.57676	2.85481	-0.17588	0.95025	0.16107	0.96362	0.21143	-0.23673	0.4283
57	39	-14	-0.1	-0.57545	2.74017	-0.28681	1.02621	0.12518	0.92409	-0.04353	-0.18292	-0.14922
58	39	-14	0.9	-0.40974	2.44069	-0.24323	0.90893	0.1669	0.89237	0.08623	-0.10228	0.14976
59	39	-14	1.9	-0.00102	2.77027	-0.36439	1.12001	0.1677	1.01875	-0.1786	-0.18098	0.05112
60	39	-14	2.9	-0.47617	2.75347	-0.22197	0.97666	0.12097	1.02464	-0.06079	-0.10124	0.04534
61	39	-14	3.9	-0.42551	2.65521	-0.16378	0.88767	0.12775	0.88307	0.04163	-0.03937	-0.15982
62	39	-14	4.9	-0.18247	2.66155	-0.2808	0.95183	0.16028	0.95249	0.0061	-0.0657	0.03445
63	39	-14	5.9	0.74016	2.86427	-0.31702	1.0034	0.14299	0.8903	-0.13533	0.07859	-0.42568
64	39	-14	6.9	0.97955	2.81447	-0.39398	0.96668	0.11251	0.87465	0.20929	-0.05972	-0.07096
65	39	-14	7.9	1.3569	2.77985	-0.59498	0.87318	0.23238	0.92293	-0.10142	-0.00522	0.15962
66	39	-14	8.9	1.36011	3.28368	-0.55982	0.98302	0.26353	0.84266	-0.09917	0.05712	0.06234
67	39	-13	8.9	1.25801	3.06121	-0.5022	1.02857	0.29142	0.80077	-0.00808	-0.00253	0.00275
68	39	-13	7.9	1.31147	3.19891	-0.54418	0.93675	0.25542	0.83807	-0.02784	0.06873	-0.00532
69	39	-13	6.9	0.9363	2.9151	-0.51938	0.98286	0.19698	0.94642	-0.02511	0.07954	-0.07899
70	39	-13	5.9	0.63453	3.07337	-0.40179	1.05876	0.10738	0.9357	-0.0732	0.0114	-0.17932
71	39	-13	4.9	0.30466	3.07746	-0.48902	1.08922	0.19479	0.96816	-0.02549	0.12097	-0.29711
72	39	-13	3.9	-0.03034	2.82402	-0.32976	1.12613	0.16551	1.15998	-0.04244	-0.08276	-0.29133
73	39	-13	2.9	-0.46907	2.84335	-0.20145	0.97221	0.13575	0.92097	-0.20982	0.11793	-0.17443
74	39	-13	1.9	-0.45561	2.67234	-0.14352	1.02961	0.21246	1.00877	-0.13523	-0.04182	0.09606
75	39	-13	0.9	-0.4968	2.74296	-0.19779	1.1358	0.27377	1.10058	-0.11954	-0.03709	0.03066
76	39	-13	-0.1	-0.52717	2.87588	-0.10047	1.11928	0.2576	1.10511	0.14658	-0.06526	-0.02177
77	39	-13	-1.1	-0.42399	2.60645	-0.06404	0.95402	0.15722	0.95505	0.00669	0.14126	-0.0717
78	39	-13	-2.1	-0.54478	2.73592	-0.23008	1.04377	0.17018	0.99266	0.12852	-0.07954	0.22991
79	39	-12	-2.1	-0.50494	2.91626	-0.19404	0.98118	0.09269	1.01198	0.26953	0.12131	0.05297
80	39	-12	-1.1	-0.38182	2.84426	-0.43237	0.93272	0.17784	0.93217	-0.10937	-0.07052	-0.08127
81	39	-12	-0.1	-0.2583	3.00064	-0.33755	0.95053	0.1395	0.92234	-0.07647	0.04544	-0.08463
82	39	-12	0.9	-0.2115	2.89972	-0.44006	0.93654	0.18428	0.97237	-0.06268	-0.01752	0.03715
83	39	-12	1.9	-0.25966	3.01237	-0.51119	1.0275	0.14232	0.98965	-0.12122	-0.04053	0.09941
84	39	-12	2.9	-0.14449	2.9449	-0.38012	0.98455	0.14777	0.93758	-0.16651	0.044	-0.14438
85	39	-12	3.9	-0.18256	2.92062	-0.37143	1.15073	0.20474	1.10255	-0.11894	-0.04159	-0.04307
86	39	-12	4.9	0.32353	2.91808	-0.33187	1.03466	0.15564	0.99557	-0.17501	0.06353	-0.12473
87	39	-12	5.9	0.55998	3.10581	-0.51186	1.16607	0.08959	1.01565	-0.12509	0.01673	-0.13416
88	39	-12	6.9	0.63526	3.19714	-0.42419	1.0088	0.22264	0.95069	-0.08343	0.04068	-0.0867
89	39	-12	7.9	1.1692	3.17136	-0.48373	0.96907	0.21769	0.84324	-0.03923	0.00387	0.00275
90	39	-12	8.9	1.2234	3.00627	-0.43081	0.92916	0.27997	0.77069	0.06954	0.02784	0.08174
91	39	-11	8.9	1.44413	3.04252	-0.45284	0.9408	0.22279	0.67584	0.05408	-0.02592	0.06827
92	39	-11	7.9	1.29098	3.11505	-0.49961	0.96391	0.21391	0.8015	-0.17566	0.05225	-0.01611
93	39	-11	6.9	0.93949	3.18407	-0.45419	0.97465	0.08206	0.89894	-0.01783	0.0464	-0.05763
94	39	-11	5.9	0.56111	3.20533	-0.42348	1.0245	0.05484	0.94709	-0.35651	0.11871	-0.20377
95	39	-11	4.9	0.44477	3.2575	-0.40009	1.00863	0.11773	0.90338	-0.06251	0.1	-0.20816
96	39	-11	3.9	0.23079	3.29539	-0.36424	0.99141	0.10137	1.01902	0.03818	0.05773	0.00276
97	39	-11	2.9	-0.19677	2.73358	-0.39581	1.07573	0.06037	0.96334	0.03898	0.00715	-0.1679
98	39	-11	1.9	-0.03981	3.25975	-0.36769	0.9479	0.10153	0.93563	-0.05677	0.06642	-0.01964
99	39	-11	0.9	-0.15786	2.70317	-0.29932	1.02398	-0.00569	0.92014	-0.08902	0.24523	-0.09713
100	39	-11	-0.1	-0.38654	2.81712	-0.32451	0.93977	0.08588	0.94788	-0.09726	0.02512	0.10463
101	39	-11	-1.1	-0.55218	2.70487	-0.39019	1.02655	0.11143	1.00063	-0.26068	-0.04958	-0.11395
102	39	-11	-2.1	-0.67299	2.66265	-0.30923	0.84811	0.01918	0.78726	0.15224	0.12274	0.11719
103	39	-11	-3.1	-0.64544	2.85808	-0.35014	0.979	0.06034	0.95631	0.00763	-0.0487	-0.20243
104	39	-10	-4.1	-0.76627	2.85626	-0.38596	0.84367	-0.08321	0.83077	-0.0455	0.08364	0.06361

105	39	-10	-3.1	-0.36304	3.03493	-0.5122	0.90383	-0.01349	0.95356	-0.17894	0.1752	-0.0827
106	39	-10	-2.1	-0.56921	2.76051	-0.40232	0.95923	0.03347	1.01726	0.07991	0.03356	-0.10852
107	39	-10	-1.1	-0.64717	2.87064	-0.44722	0.92236	0.04505	0.94179	0.07555	0.02181	-0.31958
108	39	-10	-0.1	-0.29153	2.82165	-0.36723	1.07187	0.10439	1.07992	-0.11248	-0.09836	0.06137
109	39	-10	0.9	0.02295	2.96911	-0.49171	1.01639	0.07132	0.99802	0.14222	0.1094	-0.34001
110	39	-10	1.9	-0.0267	3.40707	-0.39089	1.08278	0.06587	1.08747	0.00855	0.047	-0.02823
111	39	-10	2.9	0.08528	3.05512	-0.41545	1.0044	0.09918	0.9436	-0.24102	0.06809	-0.06831
112	39	-10	3.9	0.03062	3.16043	-0.40649	1.07635	0.03506	1.0107	-0.24587	0.0705	-0.0854
113	39	-10	4.9	0.43768	3.20676	-0.40912	1.09961	0.00587	1.00143	-0.15188	0.05424	0.02277
114	39	-10	5.9	0.8274	3.04115	-0.57148	1.15592	0.00742	1.04855	-0.22449	0.14397	-0.05162
115	39	-10	6.9	1.03895	3.04766	-0.57765	1.10414	0.08154	1.00985	0.21314	0.14433	-0.03403
116	39	-10	7.9	1.23881	3.14185	-0.60868	1.0263	0.11989	0.82943	0.17194	0.05734	0.14539
117	39	-10	8.9	1.4589	3.20592	-0.60187	1.06333	0.21237	0.76484	9.03494E-4	0.08894	-0.02324
118	39	-9	8.9	1.31608	3.37501	-0.60827	1.07688	0.25229	0.84103	-0.16836	0.08082	0.15069
119	39	-9	7.9	1.47663	3.1067	-0.66979	1.04042	0.08894	0.88148	0.02824	0.08864	0.03509
120	39	-9	6.9	1.07146	3.01021	-0.52797	1.03772	0.07745	0.84645	-0.16232	0.04645	0.09875
121	39	-9	5.9	0.96008	3.08526	-0.53288	1.11958	0.02691	0.98908	-0.2269	0.07763	-0.00827
122	39	-9	4.9	0.8732	2.97632	-0.59382	1.04235	0.03107	1.00494	-0.34035	0.13219	-0.26082
123	39	-9	3.9	0.73904	2.90325	-0.57593	0.98864	0.01992	1.014	-0.03591	0.13343	-0.22688
124	39	-9	2.9	0.52368	3.22408	-0.59465	1.13015	-0.06396	1.08572	0.13383	0.13306	-0.15154
125	39	-9	1.9	0.4369	3.07952	-0.58261	1.02585	0.01697	1.02425	-0.24423	0.16745	-0.17738
126	39	-9	0.9	-0.22253	2.8951	-0.53995	0.96275	0.15288	1.14122	-0.06214	0.01098	-0.03984
127	39	-9	-0.1	-0.32273	3.04548	-0.32432	0.923	-0.01485	0.9627	0.08467	0.1114	-0.13122
128	39	-9	-1.1	-0.31189	2.92431	-0.43097	0.80742	0.08029	0.86107	-0.01954	0.01051	-0.25322
129	39	-9	-2.1	-0.73232	2.71075	-0.31415	0.80476	0.08966	0.70356	-0.05277	0.0976	0.27465
130	39	-9	-3.1	-0.31094	3.04318	-0.43442	0.84598	0.02973	0.86809	0.01431	0.01996	-0.10203
131	39	-9	-4.1	-0.44322	2.65768	-0.369	0.69148	-0.0441	0.71848	0.11063	0.02392	-0.10975
132	39	-8	-4.1	-0.61774	2.80225	-0.43049	0.7229	0.11206	0.86797	0.1163	-0.1374	-0.2459
133	39	-8	-3.1	-0.8335	2.81534	-0.37939	0.78187	0.04544	0.78129	-0.21263	-0.08017	0.13814
134	39	-8	-2.1	-0.59559	2.7674	-0.47224	0.98578	0.01321	0.95858	-0.08366	-0.12827	0.23333
135	39	-8	-1.1	-0.33352	3.04499	-0.43766	0.92802	0.06129	0.94524	-0.17411	-0.02346	-0.24918
136	39	-8	-0.1	-0.16499	2.67	-0.53895	1.10211	0.03547	1.02978	-0.27399	-0.00348	0.01621
137	39	-8	0.9	0.19486	2.82624	-0.57887	1.1084	0.02937	1.12519	0.04666	-0.02296	-0.43335
138	39	-8	1.9	0.49216	3.01055	-0.63934	1.08655	0.01649	1.11318	-0.02767	-0.01477	-0.02225
139	39	-8	2.9	0.42183	3.06337	-0.67091	1.02131	-0.14132	1.04531	-0.08094	0.07381	-0.05598
140	39	-8	3.9	0.74002	3.06142	-0.5864	1.13284	-0.09642	1.04063	-0.03701	-0.06089	-0.12476
141	39	-8	4.9	1.10679	3.11634	-0.52731	1.13996	-0.12954	0.99239	-0.24264	-0.04698	-0.13491
142	39	-8	5.9	1.13542	3.11693	-0.49285	1.08505	-0.08139	0.96339	-0.03568	0.06259	-0.12975
143	39	-8	6.9	1.54158	3.04078	-0.71071	1.12151	-0.03403	1.02806	-0.03671	0.0136	0.05113
144	39	-8	7.9	1.61405	3.28554	-0.68533	1.10045	0.0755	0.88626	0.12246	-0.02567	-0.00566
145	39	-8	8.9	1.67687	2.94537	-0.73693	1.03334	0.18712	0.69499	-0.09614	0.04205	0.03469
146	39	-7	8.9	1.85912	3.09824	-0.9025	1.04071	0.17249	0.74232	-0.08494	0.00571	-0.09521
147	39	-7	7.9	1.84911	3.09064	-0.84713	1.02319	0.0263	0.81801	-0.01661	0.02184	-0.02347
148	39	-7	6.9	1.69474	3.04502	-0.69099	1.13643	-0.07337	0.91182	-0.19373	0.06375	0.0273
149	39	-7	5.9	1.4846	2.87744	-0.67062	1.04399	-0.21744	0.9742	-0.06976	0.12553	-0.01337
150	39	-7	4.9	1.32335	2.94544	-0.48434	1.10572	-0.1784	1.00781	-0.25114	0.04664	-0.16918
151	39	-7	3.9	1.075	2.9919	-0.5877	1.13797	-0.16114	1.00075	0.13665	0.16228	-0.1557
152	39	-7	2.9	0.69934	2.98214	-0.62688	1.11588	-0.17263	1.03527	0.06145	0.16136	-0.0512
153	39	-7	1.9	0.61969	3.09982	-0.63958	1.08889	-0.05012	1.03188	-0.22119	-0.01058	-0.42893
154	39	-7	0.9	0.26831	2.99778	-0.51651	1.11465	-0.05492	1.06664	-0.03436	-0.07404	-0.23695
155	39	-7	-0.1	-0.11044	2.96061	-0.50609	0.94334	0.13647	0.99554	-0.01513	-0.15661	0.02464
156	39	-7	-1.1	-0.63945	2.78351	-0.53459	0.90871	0.07278	1.03936	0.10257	-0.00884	-0.08393
157	39	-7	-2.1	-0.32936	2.8369	-0.39667	0.82692	0.16774	0.82706	-0.15563	-0.13771	-0.18375

158	39	-7	-3.1	-0.23387	3.18299	-0.38054	0.80609	0.14739	0.84188	0.14936	-0.08713	-0.11232
159	39	-6	-2.1	-0.21025	2.83175	-0.43588	0.8656	0.21932	0.81522	-0.14856	-0.1232	0.1223
160	39	-6	-1.1	-0.49049	2.98458	-0.41969	1.02323	0.11076	1.05178	0.04073	-0.10521	0.15591
161	39	-6	-0.1	0.36783	2.97536	-0.56294	0.9224	-0.0477	1.02899	-0.07889	-0.00333	-0.03684
162	39	-6	0.9	0.09116	2.94278	-0.5905	1.06904	-0.06578	1.08933	-0.23907	-0.05195	-0.05103
163	39	-6	1.9	0.43827	3.11063	-0.60665	1.07593	-0.20043	1.0248	-0.19113	-0.0276	-0.24215
164	39	-6	2.9	0.8862	2.94882	-0.59715	1.09598	-0.26129	1.03621	-0.16481	0.04426	-0.28994
165	39	-6	3.9	1.19937	3.20603	-0.64522	1.09373	-0.29259	0.98859	-0.15125	0.17043	-0.17015
166	39	-6	4.9	1.31023	3.12453	-0.60421	1.15129	-0.28199	0.97799	-0.08862	0.09992	-0.26462
167	39	-6	5.9	1.49839	3.17715	-0.71788	1.09707	-0.30091	0.89123	0.04792	-0.01906	-0.14491
168	39	-6	6.9	1.73976	3.08433	-0.71625	1.03087	-0.13028	0.84592	-0.02494	0.00739	0.19795
169	39	-6	7.9	1.54503	3.21858	-0.86498	1.09322	5.11015E-4	0.77937	0.28551	-0.00964	0.15435
170	39	-6	8.9	1.80027	3.02744	-0.988	0.99652	0.16874	0.71043	0.18466	-0.04191	-0.14192
171	39	-5	8.9	1.51135	3.06398	-1.05802	1.01014	0.20774	0.7501	0.10594	0.03659	0.06426
172	39	-5	7.9	1.62946	3.2948	-0.89944	0.97199	0.07111	0.80795	0.06946	0.09034	-0.14019
173	39	-5	6.9	1.29602	3.25797	-0.85123	0.99604	-0.14879	0.84029	-0.04835	0.09401	-0.02915
174	39	-5	5.9	1.60422	3.11725	-0.72167	1.02239	-0.20139	0.88486	-0.09425	-0.00734	-0.1134
175	39	-5	4.9	1.3609	3.12866	-0.57152	1.02304	-0.20591	0.93445	-0.03458	0.06422	-0.1149
176	39	-5	3.9	1.23282	3.36215	-0.518	1.14069	-0.29308	1.07009	0.19709	0.11167	-0.29431
177	39	-5	2.9	0.97365	3.12953	-0.5714	1.09507	-0.22246	1.0071	-0.22266	0.02185	-0.2757
178	39	-5	1.9	0.42632	2.85236	-0.53631	1.1574	-0.0839	1.12459	-0.09828	-0.09505	-0.24343
179	39	-5	0.9	0.35078	2.99926	-0.55493	0.99048	-0.10127	1.03841	-0.08314	-0.05917	-0.04756
180	39	-5	-0.1	-0.0413	3.07585	-0.42258	0.95894	0.03315	0.98592	0.05874	-0.01486	0.0265
181	39	-5	-1.1	-0.4328	2.93191	-0.44559	0.77235	0.156	0.82324	-0.04248	0.04556	0.01949
182	39	-4	-0.1	-0.01849	2.99335	-0.40638	0.94721	0.113	0.96003	-0.03009	0.0326	-0.10645
183	39	-4	0.9	0.44088	3.0265	-0.41704	1.02567	7.53426E-4	0.9961	-0.35937	-0.09303	-0.14501
184	39	-4	1.9	0.60067	2.95876	-0.46746	0.99813	-0.13347	1.05657	-0.18601	0.0425	-0.36585
185	39	-4	2.9	1.0898	3.09337	-0.43713	1.06271	-0.29797	1.01216	-0.2098	0.05635	-0.33095
186	39	-4	3.9	1.09776	3.14737	-0.4592	1.03519	-0.27298	1.03816	0.00817	-0.02276	-0.3821
187	39	-4	4.9	1.57673	3.17353	-0.56651	1.13584	-0.27779	0.9805	-0.15939	0.08304	-0.11749
188	39	-4	5.9	1.25682	3.10624	-0.67147	1.04079	-0.14199	0.94131	-0.01879	0.01798	-0.12826
189	39	-4	6.9	1.34751	3.25214	-0.77343	0.96025	-0.06865	0.84813	0.08771	0.07001	-0.00827
190	39	-4	7.9	1.50303	3.19221	-0.99462	0.94248	0.0197	0.76061	0.20179	-0.00596	0.03435
191	39	-4	8.9	1.32739	3.0921	-1.0969	0.9551	0.11913	0.7491	0.24593	0.03017	-0.04414
192	39	-3	8.9	1.28912	3.06605	-1.08103	0.8846	0.16017	0.76608	-0.0289	3.93443E-4	-0.18303
193	39	-3	7.9	1.33917	3.05885	-0.92142	0.86344	0.07515	0.84728	0.15988	0.04793	0.07057
194	39	-3	6.9	1.28817	3.13037	-0.80369	0.94113	-0.02943	0.88016	-0.137	-0.01695	0.12707
195	39	-3	5.9	0.94745	2.89483	-0.62728	0.9588	0.0094	0.9474	0.10254	0.06073	-0.05484
196	39	-3	4.9	1.11169	3.08716	-0.50509	0.90169	-0.06195	0.89322	0.1179	-0.01909	0.06588
197	39	-3	3.9	0.65571	3.09801	-0.42314	0.98301	-0.05718	1.08609	0.24502	-0.07815	-0.15192
198	39	-3	2.9	0.53832	3.28295	-0.3517	1.02936	-0.19903	0.98561	-0.02846	-0.00569	-0.25051
199	39	-3	1.9	0.24044	3.10645	-0.39711	0.98329	-0.20011	1.0017	0.07318	-0.04521	-0.33362
200	39	-3	0.9	0.17654	2.99201	-0.33127	1.08068	0.04022	1.07266	-0.06408	-0.17829	-0.3153
201	39	-2	1.9	0.53856	2.83503	-0.24627	1.00911	-0.01125	1.00378	0.42782	-0.09974	0.03131
202	39	-2	2.9	0.41924	3.03329	-0.23962	0.91141	0.20609	0.94157	0.17634	0.0691	-0.31764
203	39	-2	3.9	0.76086	3.14522	-0.28217	1.00078	0.08364	0.97495	0.28058	-0.04222	-0.33408
204	39	-2	4.9	0.7242	2.89263	-0.42989	0.99046	0.2259	0.99284	0.20131	-0.06916	0.13711
205	39	-2	5.9	0.47175	3.1993	-0.60212	0.91432	0.24443	0.99269	0.15879	0.09642	-0.09817
206	39	-2	6.9	0.41945	3.01341	-0.71345	0.87307	0.21369	0.92216	0.28616	-0.05777	-0.09027
207	39	-2	7.9	0.64539	2.97362	-0.75404	0.8268	0.11131	0.85252	-0.04464	0.01569	-0.11264
208	39	-2	8.9	0.74399	2.96882	-0.83344	0.79383	0.20037	0.80591	-0.05951	0.02314	-0.11105
209	39	-1	8.9	0.44026	2.90755	-0.67364	0.80168	0.2058	0.76858	-0.02872	0.03887	-0.16659
210	39	-1	7.9	0.47087	2.80201	-0.68777	0.91686	0.17327	0.98843	0.12219	0.06102	4.55442E-4

211	39	-1	6.9	0.40465	3.14629	-0.53809	0.87912	0.32085	0.89853	-0.00654	0.03298	-0.18731
212	39	-1	5.9	0.59969	2.99469	-0.39195	0.87876	0.38421	0.88201	0.2075	0.12558	0.04303
213	39	-1	4.9	0.42213	2.78625	-0.31637	0.95523	0.35083	0.88383	0.15439	-0.05316	0.01274
214	39	-1	3.9	0.69687	2.969	-0.22844	0.90386	0.2881	0.86754	0.15321	0.00223	-0.27328
215	39	-1	2.9	0.45377	2.95736	-0.23712	0.96466	0.18344	0.93933	-0.14224	-0.0665	-0.226
216	39	0	3.9	0.33118	3.10332	-0.20728	0.99286	0.4894	0.98728	-0.06477	-0.09401	0.13872
217	39	0	4.9	0.09447	2.90545	-0.25924	0.92935	0.4761	1.00731	0.16612	-0.03755	-0.11906
218	39	0	5.9	-0.08627	2.8619	-0.34845	0.88132	0.48294	0.98735	0.07291	0.00711	-0.07952
219	39	0	6.9	-0.05253	2.79581	-0.43252	0.82899	0.35201	0.95071	0.06671	0.06302	-0.14756
220	39	0	7.9	0.42208	2.72156	-0.5591	0.8696	0.25452	0.92218	0.02536	0.04164	-0.14198
221	39	0	8.9	0.85661	3.01549	-0.59113	0.87584	0.21616	0.85088	-0.02486	0.05054	-0.13835
222	39	1	8.9	0.63169	3.05035	-0.43109	0.89727	0.20237	0.9042	-0.06941	0.05901	-0.32958
223	39	1	7.9	0.3899	3.13318	-0.41028	0.88032	0.23584	0.9595	0.22482	0.08896	-0.17516
224	39	1	6.9	0.05976	2.73935	-0.42887	0.97847	0.41369	1.02195	0.18846	0.11613	-0.03605
225	39	1	5.9	-0.04245	2.79223	-0.17711	0.85215	0.39339	0.95234	0.0591	0.01163	0.20224
226	39	1	4.9	-0.21557	2.90382	-0.18449	0.81835	0.55501	0.79558	0.09623	-0.02984	-0.00433
227	39	1	3.9	-0.23287	2.93199	-0.15548	0.89256	0.55244	0.85766	0.06087	-0.09785	-0.12628
228	39	2	4.9	0.02707	2.80096	-0.07309	0.74218	0.53393	0.78175	0.1062	-0.02504	-0.02727
229	39	2	5.9	-0.3863	2.84132	-0.27194	0.91432	0.3654	1.00209	0.01005	-0.04876	0.12816
230	39	2	6.9	-0.10133	2.9489	-0.34606	0.95856	0.16895	0.98154	0.16159	0.00509	0.09674
231	39	2	7.9	0.15336	2.71174	-0.37902	0.9555	0.11131	0.97406	0.13095	0.03898	-0.1581
232	39	2	8.9	0.63967	2.99808	-0.36558	0.91711	0.12211	0.9145	-0.06311	-0.04655	-0.15966
233	39	3	8.9	0.80456	2.83409	-0.23007	0.83483	0.11449	0.81197	-0.04107	7.06699E-4	-0.10311
234	39	3	7.9	0.2516	2.83922	-0.30729	0.9257	0.03244	0.93394	0.07315	0.03147	-0.08565
235	39	3	6.9	-0.03046	3.0029	-0.46614	1.08022	-0.02973	1.00612	-0.13034	0.11613	-0.05663
236	39	4	6.9	0.07372	2.86952	-0.58449	1.03885	-0.10378	1.02933	-0.17185	0.05749	0.09741
237	39	4	7.9	0.14227	2.7343	-0.32863	0.95037	-0.07426	0.90642	0.00778	-0.02264	-0.01328
238	39	4	8.9	0.66736	2.95625	-0.18234	0.83254	0.07312	0.7219	0.07108	-0.01688	-0.11332
239	39	5	8.9	0.71696	2.72717	-0.20693	0.84348	0.09178	0.76478	0.15668	-0.00814	0.01448
240	39	5	7.9	0.16779	3.01508	-0.40806	0.93811	-0.03609	0.92313	-0.01644	-0.07345	-0.01758
241	39	5	6.9	-0.26764	2.77673	-0.52985	0.97855	-0.02134	0.88822	0.08207	0.11159	0.12116
242	39	6	6.9	-0.38443	2.71605	-0.31014	0.74047	0.14604	0.83283	-0.05105	0.02454	0.21574
243	39	6	7.9	0.11298	2.81799	-0.31866	0.84993	0.10278	0.91062	-0.05464	-0.11336	0.07613
244	39	6	8.9	0.80203	2.86029	-0.17558	0.87147	0.10559	0.783	0.16191	-0.108	0.01371
245	39	7	8.9	0.4876	2.91763	-0.12155	0.87192	0.1949	0.83408	-0.11699	-0.18326	-0.14925
246	39	7	7.9	-0.21434	2.82653	-0.13611	0.8745	0.1226	0.88727	-0.11111	-0.00153	-0.13247
247	39	7	6.9	-0.72219	2.80076	-0.36703	0.88885	0.28392	0.94151	0.11565	-0.0026	-0.18272
248	39	8	6.9	-0.45206	2.79185	-0.21012	0.90405	0.37448	0.89614	-0.08145	-0.07433	-0.06285
249	39	8	7.9	0.15187	3.0268	-0.07849	0.77669	0.2629	0.82077	0.12574	-0.05265	-0.13243
250	39	8	8.9	0.41199	2.89398	-0.03766	0.88988	0.23205	0.85024	0.29155	-0.09629	-0.13746
251	39	9	8.9	0.73933	2.8296	0.12332	0.94337	0.23162	0.93939	0.09046	-0.01353	-0.15836
252	39	9	7.9	-0.20085	2.92728	0.08597	0.83943	0.38444	0.87567	-0.04824	-0.08412	-0.09449
253	39	10	8.9	0.57839	2.75781	0.23255	0.91704	0.15814	0.88553	-0.14037	0.01225	0.0109
254	39	11	8.9	0.85024	2.89074	0.38383	0.90016	0.14964	0.83546	0.00553	-0.00736	-0.15393

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	44	-17	8.9	1.24232	3.02365	-0.51632	1.10338	0.16417	1.09405	0.22946	-0.3576	-0.1961
2	44	-16	7.9	1.03757	2.82932	-0.55687	1.01015	0.17334	0.96002	-0.05743	-0.18319	-0.13806
3	44	-16	8.9	1.14275	2.88345	-0.60592	1.00416	0.14591	0.92729	0.08175	-0.13391	-0.09449
4	44	-15	8.9	1.31943	2.8464	-0.58079	1.03891	0.1732	0.88446	-0.04565	-0.10405	-0.02188
5	44	-15	7.9	1.22405	3.05422	-0.59334	1.05137	0.15651	0.98049	-0.01011	-0.15224	-0.10029
6	44	-15	6.9	0.78071	2.70762	-0.54221	1.01426	0.09594	0.95784	-0.21854	-0.13467	-0.14826
7	44	-14	5.9	0.69644	2.69754	-0.53043	1.08875	0.16003	1.09946	-0.37705	-0.27606	0.07155
8	44	-14	6.9	1.00276	2.87748	-0.51401	1.10786	0.13509	1.04522	-0.00686	-0.18965	-0.2849
9	44	-14	7.9	1.3839	2.74763	-0.61238	1.04258	0.16875	0.96444	-0.05417	-0.16844	-0.158
10	44	-14	8.9	1.11878	3.08096	-0.48695	0.92525	0.2603	0.86593	0.36389	-0.19139	-0.03476
11	44	-13	8.9	1.52223	2.85529	-0.50474	1.02479	0.23718	0.9021	-0.06278	-0.19782	0.0295
12	44	-13	7.9	1.19201	2.86757	-0.61242	1.13056	0.21199	1.02224	-0.12516	-0.30292	-0.04266
13	44	-13	6.9	1.02208	2.99067	-0.43732	1.06332	0.10636	0.96899	-0.30387	-0.14144	0.00381
14	44	-13	5.9	0.82391	2.61296	-0.52713	1.15735	0.10639	1.04577	-0.15731	-0.12231	-0.1914
15	44	-13	4.9	0.71616	2.85493	-0.53121	1.13387	0.18221	1.06278	-0.29714	-0.24796	0.0037
16	44	-12	3.9	0.38076	2.83057	-0.51453	1.14052	0.08835	1.07555	-0.12377	-0.26012	-0.32977
17	44	-12	4.9	0.5479	2.58828	-0.55203	1.1186	0.10361	1.12646	-0.01394	-0.28034	-0.37049
18	44	-12	5.9	0.92836	2.85222	-0.66884	1.24075	0.10226	1.24887	-0.19295	-0.51511	-0.08998
19	44	-12	6.9	1.22011	2.87699	-0.53321	1.02238	0.05078	0.96938	0.06106	-0.12141	-0.08417
20	44	-12	7.9	1.22417	2.80259	-0.54525	1.05296	0.18196	0.94918	5.31577E-4	-0.1318	0.11016
21	44	-12	8.9	1.57485	2.63453	-0.5979	1.04425	0.22681	0.89763	0.01555	-0.07273	0.06365
22	44	-11	8.9	1.66871	2.70726	-0.61998	1.0497	0.21413	0.87262	0.0083	-0.11454	0.04646
23	44	-11	7.9	1.52491	3.05684	-0.61747	1.07288	0.10293	0.99345	0.01459	-0.18407	-0.07845
24	44	-11	6.9	1.22582	2.92904	-0.62246	1.08966	-3.9437E-4	0.97949	-0.15933	-0.08269	-0.14338
25	44	-11	5.9	1.16048	2.92428	-0.61006	1.16693	0.09184	1.10532	0.10433	-0.21575	-0.12733
26	44	-11	4.9	0.87799	2.98872	-0.59068	1.09975	0.10808	1.05969	-0.10422	-0.15602	-0.20429
27	44	-11	3.9	0.57151	2.84781	-0.61852	1.12814	0.09312	1.00959	-0.06915	-0.11597	0.0809
28	44	-11	2.9	0.45072	2.95282	-0.69944	1.16711	0.06356	1.15171	-0.13909	-0.19377	-0.0565
29	44	-10	1.9	0.62857	2.79638	-0.72866	1.12081	-0.00492	1.07066	-0.33754	0.03528	-0.2388
30	44	-10	2.9	0.7234	2.64027	-0.65249	1.21628	-0.04075	1.16187	-0.13914	-0.35832	-0.09569
31	44	-10	3.9	1.01842	2.75137	-0.66161	1.16315	0.01066	1.07784	-0.22244	-0.26149	-0.23514
32	44	-10	4.9	1.08141	2.72442	-0.6433	1.18551	-0.00967	1.10621	-0.12684	-0.25806	-0.12089
33	44	-10	5.9	1.27302	2.88746	-0.61731	1.18334	-0.02837	1.0839	-0.24367	-0.20914	0.03203
34	44	-10	6.9	1.4637	2.83031	-0.6692	1.12935	0.03369	0.99168	-0.36562	-0.13141	-0.06702
35	44	-10	7.9	1.65913	2.95366	-0.7612	1.22921	0.10647	1.04563	-0.06794	-0.2969	-0.06853
36	44	-10	8.9	1.45312	3.00684	-0.66436	1.00862	0.25765	0.86012	0.09874	-0.15579	0.02738
37	44	-9	8.9	1.59588	2.92614	-0.80037	1.14069	0.15185	0.83254	0.09088	-0.22184	-0.01422
38	44	-9	7.9	1.83996	2.82124	-0.82496	1.11744	0.06187	0.98403	-0.17988	-0.16656	-0.03077
39	44	-9	6.9	1.69385	2.78461	-0.71847	1.19444	0.02697	1.0562	-0.12946	-0.17069	-0.09845
40	44	-9	5.9	1.58926	2.67243	-0.72879	1.221	0.01225	1.10581	-0.00657	-0.25486	-0.41372
41	44	-9	4.9	1.13247	2.85202	-0.66768	1.22197	-0.12072	1.15084	-0.25892	-0.29024	0.03457
42	44	-9	3.9	1.10528	2.71893	-0.73466	1.25485	0.0088	1.18544	-0.14843	-0.32689	-0.15563
43	44	-9	2.9	0.77218	2.94415	-0.81426	1.28225	-0.08286	1.21626	-0.04565	-0.35436	-0.50911
44	44	-9	1.9	0.70895	2.94852	-0.71488	1.1278	0.02049	1.13531	-0.20444	-0.22506	-0.06073
45	44	-9	0.9	0.6363	2.7615	-0.80202	1.14441	0.04417	1.03779	-0.07576	-0.08859	-0.31308
46	44	-8	-0.1	0.09602	2.58406	-0.61824	1.08359	0.0618	1.16795	-0.08659	-0.24388	-0.27806
47	44	-8	0.9	0.47905	2.75877	-0.68575	1.17013	-0.08775	1.25275	0.17859	-0.22525	-0.15859
48	44	-8	1.9	0.88816	2.73383	-0.87569	1.27896	-0.01498	1.27966	-0.03413	-0.4013	-0.19892
49	44	-8	2.9	1.42587	2.61712	-0.79107	1.26554	-0.17256	1.26772	-0.29438	-0.26631	-0.10244
50	44	-8	3.9	1.39474	3.18294	-0.75626	1.2379	-0.15681	1.14486	-0.23662	-0.07062	-0.1941

51	44	-8	4.9	1.39947	2.96681	-0.70395	1.19075	-0.1356	1.06693	-0.14805	-0.14173	-0.05942
52	44	-8	5.9	1.36418	2.8869	-0.68703	1.12607	-0.12286	1.03439	-0.1384	-0.06123	-0.19898
53	44	-8	6.9	1.69993	2.81223	-0.72037	1.1407	-0.0335	0.98682	-0.04726	-0.15627	-0.30524
54	44	-8	7.9	1.80242	2.86173	-0.85873	1.02825	0.03647	0.88693	-0.15267	-0.02828	0.03648
55	44	-8	8.9	1.80809	2.87575	-0.82402	1.15505	0.15378	0.96946	0.009	-0.19242	0.07364
56	44	-7	8.9	1.65672	2.90851	-0.8118	1.08872	0.18501	0.90585	0.04024	-0.17664	0.08705
57	44	-7	7.9	1.62552	2.87107	-0.80755	1.1585	0.03452	1.05033	-0.07816	-0.10275	0.07369
58	44	-7	6.9	1.70775	3.05304	-0.81583	1.13873	-0.05436	1.06848	0.07054	-0.28343	-0.06719
59	44	-7	5.9	1.56238	3.04541	-0.60059	1.24285	-0.1143	1.0924	-0.0809	-0.15598	-0.09149
60	44	-7	4.9	1.38114	2.99071	-0.73437	1.20563	-0.12516	1.14999	-0.12833	-0.19551	-0.212
61	44	-7	3.9	1.26271	2.86723	-0.65065	1.18368	-0.12624	1.14388	-0.08342	-0.22286	0.0118
62	44	-7	2.9	1.047	2.8303	-0.67147	1.22305	-0.15102	1.1864	0.03118	-0.10748	0.06194
63	44	-7	1.9	0.98811	2.822	-0.69923	1.17263	-0.08677	1.14705	-0.40061	-0.29669	-0.16396
64	44	-7	0.9	0.58724	2.63078	-0.73318	1.14189	-0.06903	1.15316	-0.06039	-0.08267	-0.24294
65	44	-7	-0.1	0.21226	2.97288	-0.64325	1.17493	0.19462	1.18594	0.18276	-0.3813	-0.50576
66	44	-7	-1.1	0.06974	2.51021	-0.62949	1.09526	0.16997	1.04804	0.05294	-0.21468	-0.24374
67	44	-6	-2.1	0.03996	2.66079	-0.54914	1.17274	0.34715	1.21338	-0.17678	-0.57083	0.16707
68	44	-6	-1.1	-0.30064	2.61576	-0.517	1.10539	0.2603	1.16176	-0.10487	-0.40228	-0.01107
69	44	-6	-0.1	0.18019	3.00092	-0.52387	1.07383	0.02098	1.07106	-0.10409	-0.16413	-0.52487
70	44	-6	0.9	0.67448	2.80733	-0.59826	1.19022	-0.14908	1.12312	0.00797	-0.12886	-0.30382
71	44	-6	1.9	0.879	2.85439	-0.60697	1.13339	-0.20559	1.14079	0.06908	-0.23032	-0.26364
72	44	-6	2.9	1.36111	2.86192	-0.50438	1.08004	-0.1977	1.03081	-0.07712	-0.10873	-0.30269
73	44	-6	3.9	1.69726	2.7895	-0.51449	1.13691	-0.18345	1.00675	0.03018	-0.09921	-0.21508
74	44	-6	4.9	1.59946	2.66785	-0.61652	1.18437	-0.07413	1.14892	-0.10436	-0.25409	-0.11463
75	44	-6	5.9	1.71847	2.97284	-0.67048	1.026	-0.03618	1.03235	0.06243	-0.14345	-0.03902
76	44	-6	6.9	1.40918	3.06061	-0.71892	1.0879	-0.06	0.9518	0.00487	-0.0701	-0.16219
77	44	-6	7.9	1.54788	3.17627	-0.79238	0.98247	-0.06697	0.90956	-0.20593	-0.03091	0.1759
78	44	-6	8.9	1.38699	2.73637	-0.76218	1.03173	0.06855	0.95945	0.06583	-0.26427	-0.01826
79	44	-5	8.9	1.44736	2.80362	-0.7841	0.9526	0.10819	0.89081	0.30243	-0.14648	-0.08564
80	44	-5	7.9	1.19279	2.9955	-0.81765	1.02886	0.0901	1.0242	0.16744	-0.19399	0.17458
81	44	-5	6.9	1.46698	2.70401	-0.64686	0.99892	-0.00278	1.01699	-0.00674	-0.05485	-0.08251
82	44	-5	5.9	1.14811	2.9621	-0.58146	1.07958	-0.0685	0.98356	0.19439	-0.27226	0.03668
83	44	-5	4.9	1.25925	2.88626	-0.47554	1.08204	-0.0537	1.02693	0.01601	-0.08073	-0.21275
84	44	-5	3.9	1.34908	3.10484	-0.48448	1.08361	-0.20815	0.98776	0.09451	-0.155	0.09292
85	44	-5	2.9	1.25737	2.9959	-0.47044	1.17415	-0.03996	1.11452	-0.16721	-0.38198	0.02456
86	44	-5	1.9	1.04834	2.71717	-0.57127	1.11688	-0.00327	1.12852	0.08259	-0.13516	-0.05667
87	44	-5	0.9	0.57597	2.6884	-0.47303	1.16396	-0.01631	1.08875	-0.06763	-0.05013	-0.33687
88	44	-5	-0.1	0.40781	2.73927	-0.55959	1.16645	0.10054	1.23285	0.09419	-0.3508	-0.04682
89	44	-5	-1.1	-0.1099	2.7841	-0.45302	1.14429	0.27032	1.08416	-0.00373	-0.36116	-0.00756
90	44	-5	-2.1	0.51368	2.865	-0.58633	2.00144	0.46428	1.96562	-0.32684	-3.45375	-0.0012
91	44	-4	-1.1	-0.2485	2.68663	-0.35639	0.97636	0.1077	0.98691	0.18954	-0.13133	-0.07834
92	44	-4	-0.1	0.28344	2.69364	-0.38094	1.03523	0.07403	1.02014	0.03188	-0.19558	-0.25677
93	44	-4	0.9	0.49939	2.84157	-0.30154	0.98218	0.12582	1.10026	0.01736	-0.16198	-0.25584
94	44	-4	1.9	0.73091	2.71647	-0.35716	1.21531	0.12577	1.17968	0.17947	-0.2821	-0.22583
95	44	-4	2.9	0.96233	2.87166	-0.38292	1.20241	0.06226	1.15724	0.15275	-0.37854	-0.20034
96	44	-4	3.9	1.44918	2.95508	-0.36754	1.04823	0.01306	1.06484	-0.06733	-0.16493	-0.02959
97	44	-4	4.9	1.23518	2.99745	-0.39419	0.99013	-0.02949	0.94262	-0.17998	-0.04164	-0.11509
98	44	-4	5.9	1.20578	2.94465	-0.58913	1.03359	0.00352	1.03583	-0.0105	-0.12997	0.12156
99	44	-4	6.9	1.32652	3.03912	-0.63887	0.97749	0.03071	1.01529	-0.12516	-0.16473	-0.13424
100	44	-4	7.9	1.09261	2.74841	-0.74918	1.04872	0.18892	1.03089	0.03754	-0.22633	0.09887
101	44	-4	8.9	1.14127	2.73389	-0.78625	1.00484	0.20279	0.92779	0.06016	-0.08079	0.15069
102	44	-3	8.9	0.97208	2.67642	-0.67353	0.9607	0.20498	0.96778	0.24813	-0.17639	-0.03062
103	44	-3	7.9	0.82839	3.04416	-0.63681	0.97741	0.14181	0.96622	0.26139	-0.05957	-0.05391

104	44	-3	6.9	0.83854	2.76073	-0.60961	1.18104	0.27693	1.08446	0.4036	-0.35743	0.02123
105	44	-3	5.9	0.96013	2.96036	-0.50973	1.15847	0.26703	1.11773	0.15969	-0.21076	-2.2198E-4
106	44	-3	4.9	1.04033	2.80821	-0.47407	1.19716	0.1223	1.12525	0.22244	-0.3441	0.12796
107	44	-3	3.9	1.00176	2.9469	-0.19349	1.08672	0.00213	1.00746	0.06131	-0.01049	0.04088
108	44	-3	2.9	0.77814	2.76351	-0.18413	1.02723	0.05717	1.02446	0.0582	-0.11315	-0.27296
109	44	-3	1.9	0.7813	2.99009	-0.32271	1.26991	0.14197	1.24239	-0.20135	-0.21967	-0.23703
110	44	-3	0.9	0.31889	2.75004	-0.37	1.15831	0.07549	1.15568	0.15117	-0.21795	-0.19941
111	44	-3	-0.1	-0.0209	2.77965	-0.3029	1.1628	0.24817	1.10785	0.13476	-0.29759	-0.0338
112	44	-2	0.9	0.35714	2.5657	-0.40164	1.21082	0.19868	1.30645	0.21632	-0.46239	-0.28969
113	44	-2	1.9	0.63281	2.70938	-0.28393	1.10856	0.20418	1.15864	0.06612	-0.31744	-0.0923
114	44	-2	2.9	0.66078	2.75504	-0.19535	1.01587	0.25421	1.00406	0.22279	-0.14487	-0.02589
115	44	-2	3.9	0.74477	2.99543	-0.16732	1.10882	0.202	1.05549	0.06979	-0.13896	0.21232
116	44	-2	4.9	0.80181	2.85367	-0.22768	1.03187	0.26005	1.13665	0.1967	-0.12019	0.0816
117	44	-2	5.9	0.64096	2.72667	-0.31947	1.02391	0.17928	1.04558	0.17364	-0.01305	-0.23565
118	44	-2	6.9	0.66779	2.95784	-0.48504	1.15895	0.31352	1.1394	-0.15551	-0.2896	-0.11138
119	44	-2	7.9	0.60151	2.73916	-0.51713	0.92881	0.23867	0.94159	-0.09008	0.02603	0.02934
120	44	-2	8.9	0.81927	2.80769	-0.66174	0.96708	0.18371	1.02463	0.12605	-0.12667	-0.24139
121	44	-1	8.9	0.60368	2.73047	-0.51898	1.05495	0.17483	1.03701	0.16916	-0.1785	-0.2487
122	44	-1	7.9	0.73815	3.00139	-0.4991	1.06375	0.25909	1.16187	0.06742	-0.07363	0.07618
123	44	-1	6.9	0.45404	2.88105	-0.38892	1.01768	0.42048	1.03055	-0.03176	-0.15556	0.09174
124	44	-1	5.9	0.58037	3.00738	-0.3146	1.02017	0.48403	1.05532	0.06565	-0.20784	-0.06772
125	44	-1	4.9	0.35861	2.89316	-0.27852	1.05967	0.39549	1.10464	-0.18235	-0.15824	-0.09696
126	44	-1	3.9	0.491	2.73181	-0.16126	1.11489	0.40954	1.07401	0.13221	-0.24218	-0.09535
127	44	-1	2.9	0.23904	2.64109	-0.1942	1.12993	0.2575	1.11261	0.04716	-0.18076	0.04254
128	44	-1	1.9	0.3978	3.02534	-0.31394	1.11752	0.19481	1.07872	0.38898	-0.12418	-0.16582
129	44	0	2.9	-0.10749	2.73293	-0.07888	1.27887	0.37313	1.2024	0.38859	-0.01293	-0.03988
130	44	0	3.9	-0.0149	2.56045	-0.53972	2.76455	0.22139	2.88254	-0.93128	-6.37381	0.56446
131	44	0	4.9	0.18753	2.95401	-0.20049	1.07978	0.37193	1.10589	-0.19278	-0.08517	0.03614
132	44	0	5.9	0.25409	2.90688	-0.31285	1.10531	0.38579	1.14755	-0.13043	-0.25052	0.06369
133	44	0	6.9	0.19003	2.91958	-0.46477	1.10814	0.40089	1.19908	-0.00742	-0.14915	0.00497
134	44	0	7.9	0.56512	2.77732	-0.47187	1.12028	0.34755	1.13749	0.26455	-0.1927	-0.16184
135	44	0	8.9	0.38053	2.88602	-0.42826	0.99401	0.26507	1.0016	0.18828	-0.12778	-0.03742
136	44	1	8.9	0.39108	2.83344	-0.3502	0.89799	0.18844	0.94959	-0.07145	-0.13076	0.14995
137	44	1	7.9	0.40845	2.78779	-0.42201	1.12441	0.29011	1.11482	0.14428	-0.29761	-0.11865
138	44	1	6.9	0.16777	2.65082	-0.36485	0.98746	0.30913	1.08013	-0.02403	-0.066	-0.33398
139	44	1	5.9	-0.07448	2.77072	-0.40075	1.26977	0.4098	1.23264	0.39543	-0.40752	-0.10143
140	44	1	4.9	0.12309	2.85339	-0.18206	1.08811	0.47476	1.13214	-0.12845	-0.3105	0.17244
141	44	1	3.9	0.03823	2.92524	-0.05541	1.10587	0.49113	1.0978	0.2266	-0.25115	-0.07074
142	44	2	3.9	-0.20998	2.26096	-0.72667	2.61168	1.04844	2.71664	0.13219	-4.34796	-0.13882
143	44	2	4.9	-0.15778	2.48823	-0.19442	1.26733	0.44674	1.2731	-0.04309	-0.28812	-0.0153
144	44	2	5.9	-0.15913	2.64789	-0.2752	1.10199	0.35804	1.1185	0.04709	-0.24246	0.1446
145	44	2	6.9	-0.00878	2.9754	-0.37103	1.09769	0.25748	1.13599	0.07205	0.03713	-0.00347
146	44	2	7.9	0.06056	3.05859	-0.2887	0.93611	0.16436	0.96014	-0.08093	-0.05972	-0.11475
147	44	2	8.9	0.34047	2.85883	-0.30625	1.06549	0.25543	1.01987	0.21386	-0.23142	-0.04467
148	44	3	8.9	0.3909	2.86691	-0.2065	0.94448	0.07938	0.87844	0.00573	-0.0195	0.14954
149	44	3	7.9	-0.0567	2.70842	-0.33931	0.96444	0.20293	1.01049	-0.00643	-0.18554	0.10869
150	44	3	6.9	0.07806	2.77816	-0.26033	1.11686	0.23592	1.05614	-0.13234	-0.23022	0.03166
151	44	3	5.9	0.05701	2.73519	-0.20332	1.14854	0.23563	1.14058	0.12107	-0.09174	0.05819
152	44	4	6.9	0.05701	2.73519	-0.20332	1.14854	0.23563	1.14058	0.12107	-0.09174	0.05819
153	44	4	7.9	0.04406	2.6598	-0.25959	1.13372	0.15633	1.16023	-0.01842	-0.20258	-0.09759
154	44	4	8.9	0.72164	2.99676	-0.16885	1.08985	0.05465	1.0864	-0.41213	-0.33792	0.18009
155	44	5	8.9	0.43911	2.81374	-0.223	1.07579	0.14908	1.10045	-0.03823	-0.43083	-0.03659
156	44	5	7.9	0.08204	2.84882	-0.25946	1.17695	0.13969	1.17458	-0.02297	-0.41655	0.13248

157	44	5	6.9	-0.43797	2.76257	-0.40683	1.42164	0.4169	1.31758	-0.05591	-0.89097	0.1355
158	44	6	6.9	-0.41266	2.87913	-0.50063	1.46334	0.5105	1.49042	0.58958	-1.09102	-0.26319
159	44	6	7.9	0.02192	2.95858	-0.20656	1.41751	0.10448	1.35537	0.27363	-0.40473	-0.30504
160	44	6	8.9	0.21436	2.85467	-0.19218	1.24907	0.24689	1.17936	0.06885	-0.68739	-0.18173
161	44	7	8.9	0.16254	2.82853	-0.21442	1.32296	0.16044	1.33659	0.12057	-0.48877	-0.13037
162	44	7	7.9	-0.0591	2.85605	-0.11978	1.32358	0.20674	1.32853	0.15744	-0.64253	0.03727
163	44	7	6.9	-0.48987	2.57844	-0.46058	1.45233	0.2505	1.41539	0.4391	-0.82797	-0.41452
164	44	8	7.9	0.27361	3.20145	-0.12878	1.4539	0.25145	1.40774	0.19943	-1.25065	-0.8792
165	44	8	8.9	0.72069	3.21246	-0.11611	1.18126	0.15858	1.17936	-0.06339	-0.46166	0.15314
166	44	9	8.9	0.21198	2.8904	-0.14328	1.2208	0.14594	1.18353	0.13463	-0.42857	-0.22414

Data Spread Sheet File for Explorer Engine Compartment Test.
Settings: Engine at Idle, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	49	-12	9.9	2.11978	0.93914	-0.48084	0.98037	0.07514	0.74868	-0.08518	-0.05583	0.08288
2	49	-11	9.9	1.93711	1.16935	-0.58057	1.11236	0.07696	0.97495	-0.07366	-0.23744	0.05086
3	49	-11	8.9	2.18798	1.3767	-0.66166	1.05475	0.06178	0.92251	-0.08429	-0.26215	-0.10462
4	49	-10	7.9	2.18484	1.22229	-0.6887	1.01215	-0.05417	0.96272	-0.07785	-0.19044	-0.00586
5	49	-10	8.9	2.21341	1.33685	-0.57318	1.08587	0.08751	0.95209	-0.14755	-0.20549	-0.05115
6	49	-10	9.9	1.92715	1.26216	-0.53965	1.03335	0.09383	0.84706	0.02654	-0.07294	0.01316
7	49	-9	9.9	2.04577	1.31381	-0.54859	1.06313	0.10255	0.86583	-0.09829	-0.2146	0.2481
8	49	-9	8.9	2.35735	1.43357	-0.58791	0.96338	0.0661	0.79816	-0.17142	-0.18224	0.07393
9	49	-9	7.9	2.21951	1.38919	-0.64839	1.0096	0.01132	0.87704	-0.02894	-0.16788	0.00768
10	49	-9	6.9	2.13878	1.40133	-0.64671	1.11784	-0.10615	1.03573	-0.01813	-0.1792	-0.01836
11	49	-8	5.9	2.33325	1.16981	-0.62282	1.03872	-0.11404	0.94811	-0.15276	-0.12532	-0.04967
12	49	-8	6.9	2.26858	1.25987	-0.63343	1.04792	-0.08721	1.01683	-0.03424	-0.15277	-0.02565
13	49	-8	7.9	2.45082	1.06204	-0.6017	0.99526	-0.10868	0.85742	0.108	-0.16965	-0.08113
14	49	-8	8.9	2.34525	1.0347	-0.63526	1.21161	0.14914	1.0095	0.12616	-0.43601	-0.04394
15	49	-8	9.9	2.0519	1.07443	-0.68937	0.99502	0.24982	0.85595	0.06949	-0.14566	0.05087
16	49	-7	9.9	1.75905	1.38999	-0.57638	1.0549	0.08268	0.95258	0.05889	-0.26517	-0.0477
17	49	-7	8.9	2.02597	1.71226	-0.52009	0.97595	0.02543	0.79885	-0.03465	0.05896	0.05417
18	49	-7	7.9	2.04104	1.43737	-0.62025	0.99204	-0.08455	0.91114	0.15886	-0.02047	-0.07991
19	49	-7	6.9	2.19993	1.38895	-0.46611	0.8945	-0.11953	0.90893	0.05372	-0.04419	-0.05255
20	49	-7	5.9	2.06229	1.29625	-0.36989	0.87526	-0.12227	0.95752	0.08348	-0.01094	-0.18364
21	49	-7	4.9	2.21993	0.99191	-0.34938	1.08526	-0.09946	1.02014	-0.19049	0.0566	-0.05426
22	49	-6	3.9	1.74066	1.47875	-0.44135	1.05597	-0.23572	1.01148	0.05379	-0.11682	-0.06205
23	49	-6	4.9	1.95333	1.27469	-0.49673	1.06224	-0.16762	0.93442	0.09089	-0.11527	-0.11111
24	49	-6	5.9	1.84273	1.46176	-0.54383	1.04094	-0.04604	0.94407	0.01389	-0.24439	0.03519
25	49	-6	6.9	2.04624	1.19884	-0.51904	0.99171	-0.12346	0.96367	0.08499	-0.18812	-0.04655
26	49	-6	7.9	2.11536	1.09957	-0.51371	1.01959	-0.0202	0.96845	0.17363	-0.193	-0.00269
27	49	-6	8.9	1.9793	1.20613	-0.50818	1.02287	0.00558	0.94455	0.0628	-0.1902	0.06371
28	49	-6	9.9	1.80842	1.17914	-0.60567	1.08208	0.11501	0.99552	0.0089	-0.3814	0.06293
29	49	-5	9.9	1.68335	1.06701	-0.51391	1.05278	0.0053	0.97716	0.12883	-0.07145	0.06194
30	49	-5	8.9	1.74473	1.14652	-0.49538	0.95726	0.12373	0.94588	0.20562	-0.11245	-0.06053

31	49	-5	7.9	1.7773	1.11757	-0.53936	0.96736	0.01591	0.97805	0.21161	-0.07437	-0.03053
32	49	-5	6.9	1.96586	1.13346	-0.49199	1.07201	-0.00206	1.10014	0.13602	-0.19701	-0.02702
33	49	-5	5.9	1.96819	1.271	-0.48842	1.14522	0.04798	1.10106	-0.02007	-0.24517	-0.06429
34	49	-5	4.9	1.93592	1.13188	-0.32368	1.13981	-0.03059	1.17148	0.06511	-0.44944	-0.10898
35	49	-5	3.9	1.62235	1.24685	-0.27252	1.04316	-0.07593	1.07046	0.16366	-0.13721	-0.12542
36	49	-5	2.9	1.63988	1.19717	-0.27216	1.11504	-0.00996	1.03633	0.0535	-0.04965	-0.23163
37	49	-4	1.9	1.24674	1.17653	-0.25755	1.18902	0.0565	1.12384	0.22574	-0.3149	-0.19172
38	49	-4	2.9	1.43225	1.31583	-0.26297	1.20248	0.02946	1.17102	-0.00359	-0.42078	-0.20229
39	49	-4	3.9	1.41444	1.30114	-0.14776	1.05281	0.02409	1.05444	-0.03316	-0.18032	0.07971
40	49	-4	4.9	1.36935	1.53976	-0.3763	1.08784	0.07939	1.1553	0.10526	-0.2025	-0.05419
41	49	-4	5.9	1.37547	1.38072	-0.3512	1.12862	0.13488	1.18306	0.0899	-0.27179	0.12156
42	49	-4	6.9	1.29321	1.42231	-0.31803	1.09019	0.12011	1.09484	0.15476	-0.30121	0.03188
43	49	-4	7.9	1.3436	1.39461	-0.48467	1.05509	0.17336	1.12623	0.0937	-0.2677	0.06546
44	49	-4	8.9	1.42481	1.32621	-0.447	1.25632	0.07541	1.19185	0.13892	-0.31858	-0.04631
45	49	-4	9.9	1.2788	1.10735	-0.46738	1.14989	0.20026	1.09045	0.11053	-0.24781	-0.00158
46	49	-3	9.9	1.04823	1.47024	-0.47231	1.12429	0.12334	1.0668	0.01804	-0.23024	-0.08184
47	49	-3	8.9	1.06523	1.54855	-0.42116	1.18931	0.22351	1.19795	0.10912	-0.57242	0.04575
48	49	-3	7.9	1.15374	1.50911	-0.36537	1.08351	0.16997	1.10319	0.15113	-0.35293	0.10397
49	49	-3	6.9	1.1238	1.27132	-0.37076	1.13042	0.1065	1.13795	0.09584	-0.32683	0.10062
50	49	-3	5.9	1.18611	1.40644	-0.20792	1.05481	0.1283	0.99877	0.09272	-0.19983	0.04183
51	49	-3	4.9	1.21055	1.43085	-0.27947	1.13164	0.14818	1.09917	0.15908	-0.12418	-0.10937
52	49	-3	3.9	1.2846	1.39386	-0.2263	1.13858	0.00293	1.0536	-0.08123	0.11107	-0.15352
53	49	-3	2.9	1.14577	1.61039	-0.25805	1.06948	0.04631	1.07233	0.07775	-0.23055	-0.18143
54	49	-3	1.9	0.91504	1.27938	-0.30637	1.30045	0.05231	1.28626	0.18341	-0.3383	-0.31441
55	49	-3	0.9	0.88775	1.2606	-0.19166	1.16929	0.17104	1.25834	0.07507	-0.42698	-0.09648
56	49	-2	-0.1	0.34888	1.26256	-0.48977	1.42459	0.09487	1.38694	0.09047	-0.61738	0.00538
57	49	-2	0.9	0.50432	1.09937	-0.35647	1.19234	0.07652	1.13292	0.0318	-0.42858	-0.08494
58	49	-2	1.9	0.96794	1.26218	-0.15703	1.28769	0.08622	1.28681	0.20393	-0.24623	0.03679
59	49	-2	2.9	0.89653	1.20314	-0.25338	1.30473	0.21103	1.2873	0.22215	-0.58139	-0.05436
60	49	-2	3.9	1.18087	1.12439	-0.23372	1.16754	0.10265	1.10692	0.1778	-0.35041	-0.04457
61	49	-2	4.9	1.14588	1.25428	-0.37057	1.18372	0.23448	1.13088	0.24084	-0.13583	-0.0095
62	49	-2	5.9	1.31153	1.263	-0.18307	0.90617	0.19011	0.96009	0.10456	-0.07807	0.05379
63	49	-2	6.9	1.15189	1.09241	-0.26708	0.84484	0.20185	0.91882	0.10927	-0.07066	0.06729
64	49	-2	7.9	1.06824	1.39138	-0.28586	0.96987	0.16585	0.98436	0.19254	-0.25807	0.04206
65	49	-2	8.9	0.98851	1.3374	-0.30034	0.86091	0.11156	0.89152	0.05626	-0.05908	0.03242
66	49	-2	9.9	1.10936	1.08702	-0.39864	0.95824	0.2225	0.94301	0.10029	-0.29396	-0.04025
67	49	-1	9.9	0.95184	1.15175	-0.23883	0.90539	0.10905	0.83818	0.05003	-0.17899	0.02674
68	49	-1	8.9	0.90833	1.12522	-0.19131	0.97777	0.07114	0.98897	0.00378	-0.25939	0.06667
69	49	-1	7.9	0.78836	1.1824	-0.31148	0.97775	0.12566	0.97827	0.18402	-0.23433	-0.05368
70	49	-1	6.9	0.76502	1.11528	-0.2689	1.02122	0.11249	1.01365	0.09033	-0.26478	-0.03043
71	49	-1	5.9	0.8879	1.1361	-0.20533	1.01368	0.04702	1.06725	0.0936	-0.0802	-0.07753
72	49	-1	4.9	0.72323	1.32439	-0.29554	1.16939	0.16498	1.14416	0.13755	-0.31724	-0.17734
73	49	-1	3.9	0.58863	1.29099	-0.29432	1.21532	0.12259	1.2864	0.12104	-0.29748	0.172
74	49	-1	2.9	0.5241	1.20856	-0.19684	1.20038	-0.00163	1.20194	0.14188	-0.27195	0.02546
75	49	-1	1.9	0.23552	1.33931	-0.31771	1.1459	-0.03654	1.22177	0.08337	-0.45515	0.03509
76	49	-1	0.9	0.16539	1.12029	-0.35668	1.12374	0.021	1.16269	0.13708	-0.38425	0.01412
77	49	-1	-0.1	0.14148	1.01279	-0.31816	1.01393	-0.19952	0.9589	0.11109	-0.14023	-0.08908
78	49	0	0.9	-0.21783	1.40438	-0.50755	1.30399	-0.18112	1.30983	0.16848	-0.77136	-0.14493
79	49	0	1.9	0.04892	1.20937	-0.24608	1.05111	-0.17218	0.98521	0.1592	-0.02766	-0.04041
80	49	0	2.9	0.17029	1.14593	-0.32906	1.11446	-0.14918	1.11426	0.11775	-0.2108	0.0192
81	49	0	3.9	0.30112	1.10917	-0.17971	1.06134	-0.06007	1.05526	0.1492	-0.40868	0.01116
82	49	0	4.9	0.44858	1.35651	-0.21847	1.2114	0.04831	1.14162	0.12583	-0.28762	0.04095
83	49	0	5.9	0.48798	1.27397	-0.11814	1.09507	0.01771	1.07421	0.15399	-0.20893	0.01328

84	49	0	6.9	0.62293	1.11359	-0.31214	1.17855	0.09638	1.24303	0.021	-0.45442	0.08481
85	49	0	7.9	0.64902	1.35031	-0.24394	1.0823	0.08337	1.10842	-0.00473	-0.26829	-0.1284
86	49	0	8.9	0.97452	0.95102	-0.30796	1.0297	0.06906	0.98707	-0.07286	-0.17374	-0.01716
87	49	0	9.9	0.79594	1.11384	-0.26979	1.0273	0.05157	1.05378	0.14146	-0.1711	0.00491
88	49	1	9.9	0.83381	0.90829	-0.33584	1.12637	0.02097	1.14708	0.05062	-0.22279	0.02326
89	49	1	8.9	0.73421	1.29465	-0.31404	1.02166	0.00911	1.02971	0.00746	-0.27999	-0.01478
90	49	1	7.9	0.53011	1.24725	-0.33905	1.13978	0.13901	1.19889	-0.09096	-0.64274	0.04511
91	49	1	6.9	0.42772	1.21463	-0.28094	1.29198	-0.06261	1.28739	0.19942	-0.41471	0.01884
92	49	1	5.9	0.34009	1.04559	-0.23222	1.07645	0.03424	1.07324	0.0487	-0.4669	0.00888
93	49	1	4.9	0.23789	1.14695	-0.15645	0.98142	-0.06762	0.97935	0.18455	-0.13738	0.05664
94	49	1	3.9	-0.01443	1.24641	-0.28535	1.24629	-0.21881	1.20661	0.22204	-0.26641	0.03662
95	49	1	2.9	-0.1639	1.09106	-0.29896	1.19896	-0.25915	1.12929	-0.03934	-0.51034	0.00571
96	49	1	1.9	-0.35458	0.99258	-0.51198	1.09417	-0.28831	1.0293	0.08425	-0.44861	-0.04376
97	49	2	2.9	-0.30357	0.96612	-0.44166	1.13791	-0.33939	1.13738	0.07921	-0.31905	0.00838
98	49	2	3.9	-0.24946	1.11323	-0.39113	1.1666	-0.28508	1.10968	0.04838	-0.50638	-0.04338
99	49	2	4.9	0.04509	1.26712	-0.37624	1.08393	-0.20756	1.00718	0.07146	-0.27112	-0.01828
100	49	2	5.9	0.12016	1.18809	-0.21384	1.09861	-0.0956	1.17328	0.06105	-0.39565	-0.08501
101	49	2	6.9	0.43521	1.13735	-0.30208	1.04992	-0.11694	1.0791	0.03222	-0.30438	0.00952
102	49	2	7.9	0.68141	1.00861	-0.34461	1.13821	-0.0268	1.18353	0.01681	-0.55333	-0.04633
103	49	2	8.9	0.77109	1.12	-0.21545	0.97477	-0.02525	1.02496	-0.07014	-0.2186	-0.00343
104	49	2	9.9	0.70736	1.30601	-0.15695	0.94544	0.02343	0.96072	-0.13002	-0.32186	-0.00277
105	49	3	9.9	0.78336	1.09569	-0.20945	1.36314	0.02459	1.2749	0.08891	-0.4215	0.05099
106	49	3	8.9	0.82369	1.01599	-0.36596	1.10354	-0.07827	1.07303	0.07419	-0.42748	0.02029
107	49	3	7.9	0.55599	1.2709	-0.19221	1.00416	-0.29615	0.89527	0.04037	-0.10464	-0.02064
108	49	3	6.9	0.41458	1.15799	-0.36459	1.12408	-0.02778	1.08227	0.0636	-0.6065	-0.09099
109	49	3	5.9	0.08377	1.16262	-0.36142	1.04718	-0.2401	1.05305	0.13756	-0.31128	-0.02563
110	49	3	4.9	-0.21947	1.08523	-0.42324	1.04221	-0.26096	1.00585	-0.01981	-0.26446	-0.06148
111	49	3	3.9	-0.34834	1.06149	-0.41472	1.02339	-0.42103	0.95315	-0.03244	-0.37903	0.04029
112	49	4	4.9	-0.23296	1.05422	-0.53775	1.13128	-0.34434	1.07073	-0.05212	-0.66593	0.00401
113	49	4	5.9	-0.09233	1.26796	-0.34947	1.19342	-0.2004	1.09522	0.04147	-0.5149	0.08868
114	49	4	6.9	0.18427	1.1749	-0.41252	1.23016	-0.22342	1.19663	0.14221	-0.51519	-0.07065
115	49	4	7.9	0.41113	1.1449	-0.1452	1.19433	-0.17849	1.12873	0.05401	-0.59694	-0.14309
116	49	4	8.9	0.82703	0.92348	-0.24347	1.15805	-0.0506	1.12751	0.00415	-0.50141	-0.01258
117	49	4	9.9	0.75211	1.11048	-0.04304	1.06569	0.03806	0.96243	0.08204	-0.19383	-0.06993
118	49	5	9.9	0.76315	1.02594	-0.14631	0.98898	-0.15354	0.95669	0.01969	-0.21703	0.0033
119	49	5	8.9	0.64716	1.08951	-0.24155	1.08662	-0.10833	1.06114	0.00667	-0.43999	0.00845
120	49	5	7.9	0.54418	1.1093	-0.19813	1.03444	-0.3166	0.99138	0.15931	-0.1875	-0.11248
121	49	5	6.9	0.2597	1.05578	-0.32034	1.11524	-0.35664	0.98009	0.12608	-0.05699	-0.06788
122	49	5	5.9	-0.07299	0.98764	-0.485	1.1202	-0.26064	1.04468	0.07683	-0.54802	0.00742
123	49	6	6.9	0.05228	1.0836	-0.24684	1.03119	-0.3959	1.06826	0.01364	-0.56656	0.02101
124	49	6	7.9	0.30783	1.13879	-0.22143	1.00466	-0.28102	0.96501	0.0134	-0.30256	0.01271
125	49	6	8.9	0.52877	1.29821	-0.13605	1.09894	-0.17306	0.98751	0.06875	-0.39815	0.07782
126	49	6	9.9	0.4198	1.17471	-0.13359	1.13894	-0.01847	1.03125	0.16957	-0.39264	0.06037
127	49	7	9.9	0.62795	1.16295	-0.03967	0.94245	-0.12942	0.92238	0.01597	-0.30132	0.03862
128	49	7	8.9	0.48596	1.1028	-0.0755	0.99666	-0.32422	0.97426	-0.02262	-0.09763	-0.05444
129	49	7	7.9	0.29607	1.05109	-0.23976	1.19655	-0.25132	1.18347	-0.05409	-0.63274	-0.06757
130	49	8	8.9	0.57712	1.28239	-0.15838	1.15638	-0.19498	1.07704	0.03734	-0.4444	-0.04498
131	49	8	9.9	0.62698	0.89614	-0.10491	1.12582	-0.12247	1.0887	-0.14324	-0.34334	-0.04432
132	49	9	9.9	0.60825	1.13156	-0.21714	1.21157	0.05791	1.19088	-0.05082	-0.72787	-0.02455

Explorer Interior Vent Test:

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	3.5	11	7	-0.71703	2.12812	-0.12557	0.46817	-0.58301	1.69534	-0.00694	-0.0566	-0.06184
2	3.5	10	7	-0.69549	1.86439	-0.12142	0.52839	-0.44817	1.47068	0.02489	0.04268	0.05727
3	3.5	9	7	-0.56581	2.04158	-0.21018	0.50227	-0.67682	1.51433	8.77121E-4	0.01662	-0.12053
4	3.5	8	7	-0.74844	2.19199	-0.17048	0.58456	-0.67535	1.82186	0.01606	0.06312	-0.18571
5	3.5	7	7	-0.83846	2.16477	-0.30065	0.52841	-0.55932	1.41681	-0.03387	0.06514	0.15618
6	3.5	6	7	-0.7726	2.2788	-0.24311	0.55018	-0.72632	1.53892	0.12586	0.10595	0.70095
7	3.5	5	7	-0.761	2.18627	-0.20582	0.52505	-0.80052	1.45596	0.07689	0.04024	0.29823
8	3.5	4	7	-0.93617	2.67321	-0.16557	0.48815	-0.72125	1.41687	0.03072	-0.01778	-0.00652
9	3.5	3	7	-0.69284	1.70387	-0.09099	0.5301	-0.85889	1.6824	-0.04454	-0.04066	0.06104
10	3.5	2	7	-0.65176	1.63704	-0.08152	0.57233	-0.80563	1.73022	0.01334	0.0319	0.22335
11	3.5	1	7	-0.75631	1.85556	-0.1205	0.52572	-0.83866	1.72161	0.01646	-0.05088	0.02209
12	3.5	0	7	-0.59409	1.83374	-0.0612	0.51486	-0.79845	1.69724	0.03689	0.02728	0.1356
13	3.5	-1	7	-0.86301	2.11747	-0.06248	0.50134	-0.77558	1.52856	-0.01823	0.06402	0.08101
14	3.5	-2	7	-0.69255	1.72968	7.12685E-4	0.4856	-0.76162	1.76897	0.00644	0.02288	0.20914
15	3.5	-3	7	-0.60254	1.88762	-0.0666	0.47376	-0.75535	1.55127	0.07957	-0.01034	0.17277
16	3.5	-3	6	-0.84682	2.3184	0.06129	0.4888	-0.77265	1.63461	0.01038	0.01262	-0.00206
17	3.5	-2	6	-0.77969	2.03828	0.01915	0.50924	-0.7728	1.74818	0.05834	0.01957	-0.02223
18	3.5	-1	6	-0.78588	2.15027	-0.01535	0.48012	-0.73068	1.65073	0.04182	0.06423	-1.43487E-4
19	3.5	0	6	-0.75826	1.89364	-0.14825	0.52956	-0.76551	1.52946	0.01312	-0.06649	0.19828
20	3.5	1	6	-0.63858	1.75971	-0.20329	0.63619	-0.76591	1.71762	-0.0756	-0.0462	0.06964
21	3.5	2	6	-0.32179	1.77467	-0.20825	0.74852	-0.65359	1.5497	0.02158	-0.09878	0.25725
22	3.5	3	6	-0.07753	1.76161	-0.17972	0.87302	-0.44721	1.76364	0.10249	0.0538	0.21214
23	3.5	4	6	-0.01537	2.04754	-0.35783	1.01769	-0.52685	1.8923	-0.11672	-0.16901	0.32218
24	3.5	5	6	-0.08918	2.67387	-0.35621	1.02152	-0.39035	1.92572	-0.05129	-0.0753	0.76333
25	3.5	6	6	-0.53565	2.23217	-0.29197	0.83359	-0.52426	1.82596	0.05809	0.02764	0.07863
26	3.5	7	6	-0.83913	2.26896	-0.26483	0.64516	-0.58876	2.01128	0.02646	0.0583	0.33918
27	3.5	8	6	-1.07743	2.30856	-0.21494	0.53963	-0.68731	1.91215	0.03083	-0.03275	0.09068
28	3.5	9	6	-0.91507	2.25559	-0.22516	0.53783	-0.61851	1.81559	-0.05579	-0.04504	-0.11861
29	3.5	10	6	-0.77503	2.2966	-0.2019	0.54321	-0.40099	1.86299	-0.02632	-0.00194	0.15784
30	3.5	11	6	-0.872	2.46593	-0.18765	0.47658	-0.65028	2.02859	-0.00268	0.03559	0.57639
31	3.5	11	5	-0.82082	2.4084	-0.17489	0.49178	-0.55954	1.79045	-0.0473	0.07552	-0.02073
32	3.5	10	5	-0.92141	2.53034	-0.19975	0.48522	-0.45379	1.64443	0.06446	0.00506	0.33595
33	3.5	9	5	-0.99744	2.56664	-0.3432	0.5549	-0.68362	1.80908	-0.00361	-0.05539	-0.29452
34	3.5	8	5	-1.06418	2.59666	-0.25916	0.78923	-0.42658	1.90476	0.03732	0.00277	-0.13543
35	3.5	7	5	1.17001	2.43921	-0.32398	1.23971	0.05446	1.8276	0.16116	-0.03037	0.75677
36	3.5	6	5	2.30709	2.60169	-0.35206	1.27493	-0.25504	1.62154	0.15932	-0.21809	0.45303
37	3.5	5	5	3.99024	2.14482	-0.46053	1.33536	0.01708	1.48382	-0.0769	0.01376	0.33042
38	3.5	4	5	3.09355	2.35421	-0.27472	1.22426	-0.10884	1.42002	-0.1719	-0.08458	0.44432
39	3.5	3	5	2.87182	2.47151	-0.35758	1.13965	-0.1457	1.5668	-0.05185	-0.04054	0.53264
40	3.5	2	5	1.01152	2.5619	-0.3331	1.13925	-0.59229	1.70378	-0.34433	0.01101	0.13151
41	3.5	1	5	-0.18915	2.23327	-0.09585	0.83808	-0.62935	1.62611	-0.0243	0.03125	0.19617

42	3.5	0	5	-0.6575	2.06112	-0.16912	0.57532	-0.87771	1.63524	-0.05383	0.02582	-0.07133
43	3.5	-1	5	-0.86502	1.89129	-0.05092	0.48547	-0.84843	1.60895	0.01127	0.0414	0.1074
44	3.5	-2	5	-0.71197	1.71562	0.06763	0.53526	-0.52668	1.61098	0.0314	0.05503	-0.10496
45	3.5	-3	5	-0.63394	1.87627	0.08839	0.50071	-0.68139	1.72233	7.10778E-4	0.06451	0.22635
46	3.5	-3	4	-0.66242	1.92708	0.06025	0.50788	-0.74119	1.52035	-0.02282	0.0639	-0.08666
47	3.5	-2	4	-0.76057	2.06559	0.00964	0.52528	-0.75681	1.55874	0.05128	0.01027	0.16731
48	3.5	-1	4	-0.64847	2.07908	-0.1017	0.59698	-0.89268	1.64876	-0.06557	-0.0217	0.06106
49	3.5	0	4	0.17298	2.64125	-0.30983	0.94136	-0.65672	1.60792	-0.24764	0.04156	0.24592
50	3.5	1	4	2.22513	2.3957	-0.35665	1.23189	-0.36015	1.69456	-0.35835	0.14537	0.34923
51	3.5	2	4	3.95995	2.73614	-0.24057	1.30242	-0.27861	1.5708	-0.48579	-0.05301	0.65614
52	3.5	3	4	5.5721	2.37253	-0.17572	1.18796	-0.17917	1.38611	-0.20394	-0.03046	0.28915
53	3.5	4	4	5.04014	2.35752	-0.04548	1.05087	-0.26602	1.27941	0.06312	0.01978	0.39927
54	3.5	5	4	5.35252	2.12538	-0.12591	1.055	-0.01751	1.28248	0.07911	0.05838	0.16583
55	3.5	6	4	5.23961	2.462	-0.1931	1.12272	-0.01418	1.304	-0.1645	0.04715	0.26311
56	3.5	7	4	4.36463	3.17021	-0.22113	1.16105	0.21489	1.48645	0.13333	-0.01146	0.45625
57	3.5	8	4	0.9099	2.45634	-0.20644	1.20918	0.01626	1.6743	0.20722	-0.09153	0.40795
58	3.5	9	4	-0.8516	2.17716	-0.38548	0.64222	-0.33216	1.75103	0.06776	-0.11976	0.36764
59	3.5	10	4	-0.61291	2.19006	-0.28128	0.48801	-0.53055	1.82904	0.06571	-0.03778	0.13342
60	3.5	11	4	-0.60531	2.09522	-0.13936	0.473	-0.59556	1.76917	-0.04366	-0.04048	0.35709
61	3.5	11	3	-0.52817	2.10572	-0.16955	0.49493	-0.35337	1.89226	0.04267	-0.03831	0.32175
62	3.5	10	3	-0.61779	1.91226	-0.28883	0.50692	-0.4659	1.77915	-0.05468	0.03457	-0.00799
63	3.5	9	3	-0.48233	2.24538	-0.36688	0.74559	0.02732	1.66725	0.04918	-0.04555	0.07095
64	3.5	8	3	2.25058	2.45193	-0.1447	1.13463	0.21193	1.75345	0.65269	-0.07801	0.38923
65	3.5	7	3	6.11195	2.61829	-0.23163	1.07206	0.28096	1.29907	0.18434	-0.03253	0.1619
66	3.5	6	3	6.55125	1.87058	-0.26108	1.07835	-0.00442	1.28723	-0.28624	-0.0691	0.05686
67	3.5	5	3	5.92699	2.33958	-0.2586	0.9965	0.04537	1.30895	0.04327	-0.0307	0.10364
68	3.5	4	3	5.60257	2.09541	-0.29726	1.02845	-0.07443	1.33555	-0.09406	-0.06361	0.05127
69	3.5	3	3	5.93162	2.52464	-0.29651	1.0937	-0.1267	1.36826	-0.03624	-0.0549	0.13329
70	3.5	2	3	5.34317	3.44583	-0.28283	1.09568	-0.00595	1.53616	0.0471	0.02126	0.04868
71	3.5	1	3	4.47896	2.70103	-0.61564	1.11333	-0.05132	1.4826	-0.5403	0.04276	0.34884
72	3.5	0	3	1.89414	2.37515	-0.60535	1.0534	-0.39845	1.44409	-0.57882	0.08007	0.09684
73	3.5	-1	3	-0.2776	1.86409	-0.22379	0.82703	-1.04018	1.65398	-0.14029	0.11153	-0.18577
74	3.5	-2	3	-0.728	2.00102	0.08914	0.47198	-0.83233	1.53638	0.0077	0.01696	0.17587
75	3.5	-3	3	-0.66306	2.08297	0.08543	0.42626	-0.80165	1.51363	-0.05489	0.00671	0.14874
76	3.5	-3	2	-0.73733	2.13898	0.15618	0.46345	-0.86828	1.6677	-2.2656E-4	-0.07499	0.01707
77	3.5	-2	2	-0.84626	2.24691	0.20959	0.51427	-0.95022	1.47427	0.02343	0.02057	-0.07375
78	3.5	-1	2	-0.01342	2.5924	-0.05934	0.91654	-1.10914	1.71947	-0.13905	0.05525	-0.06153
79	3.5	0	2	2.06388	3.02614	-0.70477	1.1244	0.00406	1.59373	-0.76155	-0.14271	0.27275
80	3.5	1	2	4.74221	3.05952	-0.6873	0.97656	0.30441	1.42058	-0.15615	-0.003	0.25433
81	3.5	2	2	5.85372	3.24817	-0.46809	1.02745	0.20423	1.36255	0.21684	0.04602	0.18481
82	3.5	3	2	5.27788	3.4975	-0.37909	0.96338	-0.04304	1.24062	-0.05138	0.00457	0.23346
83	3.5	4	2	5.1849	3.62313	-0.2285	1.00033	0.07994	1.29783	0.03613	0.04139	0.05195
84	3.5	5	2	5.04472	3.561	-0.38654	0.98908	-0.04344	1.27836	-0.08046	-0.12939	0.43093
85	3.5	6	2	5.18616	3.44323	-0.32967	0.95995	0.24051	1.39589	0.0214	0.05069	0.04526
86	3.5	7	2	5.34302	3.36419	-0.21065	0.99429	0.28106	1.34913	0.25739	-0.04808	-0.15051
87	3.5	8	2	3.58767	2.77297	0.00597	0.97908	0.46834	1.52551	-0.01428	-0.01428	0.01787
88	3.5	9	2	0.75625	2.27215	0.13504	0.95132	0.41806	1.80329	0.42043	0.16251	0.41495
89	3.5	10	2	-0.60772	2.19171	-0.21655	0.55157	-0.33874	1.87255	0.02068	0.02432	0.3654
90	3.5	11	2	-0.65727	2.03478	-0.16787	0.47618	-0.39981	1.79785	-0.00287	0.0029	0.24753
91	3.5	11	1	-0.71593	2.03545	-0.15518	0.46504	-0.31966	1.67194	0.01099	0.00868	0.19968
92	3.5	10	1	-0.61265	1.96382	-0.14	0.55957	-0.40441	1.93155	-0.0148	0.07437	0.13237
93	3.5	9	1	0.38103	2.26797	0.19451	0.86714	0.24547	1.68612	0.32525	0.09002	0.25491
94	3.5	8	1	1.9808	2.38727	0.1794	0.98908	0.39407	1.45679	0.01329	0.09484	-0.00202

95	3.5	7	1	3.58035	2.84968	-0.11851	1.00125	0.29323	1.43152	0.27147	0.08323	0.02051
96	3.5	6	1	4.66687	2.89857	-0.46083	1.04793	0.20003	1.45604	0.05372	0.05087	0.07391
97	3.5	5	1	4.69221	2.78991	-0.4112	1.07067	-0.06095	1.42775	0.00289	-0.07403	-0.16465
98	3.5	4	1	5.11838	2.83494	0.15693	1.1847	-0.23098	1.46733	0.04243	0.14961	-0.00502
99	3.5	3	1	5.89778	2.68282	-0.02888	1.01375	0.18512	1.39269	-0.12522	0.09519	-0.05138
100	3.5	2	1	6.24175	2.53147	-0.44142	0.97506	0.54696	1.48142	0.04329	-0.01159	-0.03806
101	3.5	1	1	4.57886	2.4889	-0.80732	1.08136	0.57543	1.52093	-0.18757	-0.01461	-0.06936
102	3.5	0	1	2.03021	2.20435	-0.25724	1.07058	-0.14294	1.65333	-0.48559	-0.11966	0.03839
103	3.5	-1	1	-0.16637	2.04726	0.47624	0.74089	-1.15794	1.43269	-0.07794	0.03413	-0.16297
104	3.5	-2	1	-0.40392	1.87162	0.36567	0.51093	-0.91837	1.40926	-0.01563	0.01926	-0.05104
105	3.5	-3	1	-0.63842	2.17522	0.2768	0.47672	-0.62957	1.61111	-0.03379	-0.01031	0.27619
106	3.5	-3	0	-0.58623	2.02064	0.2625	0.52449	-0.62004	1.79033	-0.02795	0.00377	-0.01515
107	3.5	-2	0	-0.61054	2.17091	0.52808	0.48679	-0.88903	1.46137	0.06399	-0.03513	-0.004
108	3.5	-1	0	-0.58166	2.54159	0.63094	0.55555	-0.79928	1.71754	0.03356	-0.04589	0.20776
109	3.5	0	0	-0.15785	2.70107	0.57679	0.83758	-0.6915	1.56051	-0.06158	0.02414	0.05618
110	3.5	1	0	2.45852	3.04877	-0.22643	1.30393	-0.0341	1.54039	-0.07194	0.1509	-0.20663
111	3.5	2	0	1.50644	2.65587	-0.42765	1.35873	0.29127	1.73365	-0.12697	0.06005	-0.45482
112	3.5	3	0	3.61652	2.67801	-0.10862	1.37425	0.27055	1.67424	-0.25999	0.08895	-0.48962
113	3.5	4	0	4.11725	2.47635	-0.01088	1.19258	-0.09288	1.5444	-0.11971	0.28966	-0.0435
114	3.5	5	0	3.17054	2.1191	0.10301	1.14761	-0.03513	1.48421	-0.09027	0.00148	-0.22722
115	3.5	6	0	3.09227	2.53706	-0.13171	1.15978	0.08448	1.49122	-0.00271	0.04827	-0.35245
116	3.5	7	0	1.23565	2.52346	0.0691	0.98706	0.21994	1.44047	-0.05787	0.19478	-0.10978
117	3.5	8	0	0.66766	2.49154	0.18778	0.79366	0.08616	1.56199	0.0096	0.00245	0.00819
118	3.5	9	0	-0.3323	2.34203	0.04034	0.73847	-0.09025	1.66326	0.10365	0.11299	0.08324
119	3.5	10	0	-0.74905	2.41714	-0.06098	0.55047	-0.23914	1.49705	0.09649	0.10945	-0.01527
120	3.5	11	0	-0.69197	2.32956	-0.14422	0.48632	-0.37763	1.43361	-0.0249	0.0753	0.0503
121	3.5	11	-1	-0.93063	2.51668	-0.06692	0.53326	-0.27384	1.49215	0.08428	0.06739	0.30946
122	3.5	10	-1	-0.92731	2.22752	-0.05237	0.60862	-0.29741	1.63206	-0.02731	0.07953	0.17481
123	3.5	9	-1	-0.70726	2.49935	0.0883	0.62609	-0.23989	1.62441	0.01217	0.07904	0.0798
124	3.5	8	-1	-0.69879	2.43658	0.19945	0.60537	0.13266	1.52979	-0.00205	0.0641	-0.18079
125	3.5	7	-1	-0.63565	2.52766	0.18053	0.69577	0.14392	1.4664	-0.08728	0.07282	-0.1055
126	3.5	6	-1	-0.37099	2.54669	0.30203	0.77511	0.17091	1.44378	-0.0521	0.02741	0.20992
127	3.5	5	-1	0.25111	2.73364	0.37944	0.84916	-0.09698	1.77967	0.05768	0.03754	-0.23172
128	3.5	4	-1	0.22129	2.61345	0.16063	0.88542	-0.11502	1.72665	-0.23533	0.07867	-0.03049
129	3.5	3	-1	-0.34714	2.55259	0.32053	0.76038	0.20966	1.55267	-0.12467	0.06997	-0.02619
130	3.5	2	-1	-0.20158	2.60921	0.82746	0.89503	0.28048	1.41729	0.21041	-0.00381	0.20609
131	3.5	1	-1	-0.19852	2.87483	1.16941	0.88001	-0.28204	1.51524	0.12087	0.00821	-0.10925
132	3.5	0	-1	-0.47006	2.53958	0.82987	0.54469	-0.54768	1.66479	-0.04091	-0.0687	-0.14317
133	3.5	-1	-1	-0.62587	2.69943	0.7278	0.50307	-0.71087	1.58527	-0.06127	-0.04784	-0.04383
134	3.5	-2	-1	-0.65721	2.65403	0.51091	0.46148	-0.79683	1.69308	0.02474	-0.0353	0.05327
135	3.5	-3	-1	-0.74511	2.44374	0.22263	0.4585	-0.47767	1.53069	0.02406	-0.03528	0.05568
136	3.5	-3	-2	-0.70216	2.11209	0.23778	0.53761	-0.4402	1.34724	0.0506	-0.03094	0.12768
137	3.5	-2	-2	-0.63202	2.08209	0.47946	0.44584	-0.65817	1.73994	0.02092	-0.02481	-0.03586
138	3.5	-1	-2	-0.91853	2.67503	0.63225	0.52401	-0.63477	1.77587	-0.00841	0.00851	0.42981
139	3.5	0	-2	-0.72454	2.29187	0.72723	0.5734	-0.40654	1.65313	0.09573	-0.0975	-0.03977
140	3.5	1	-2	-0.66921	2.34488	0.82396	0.61675	-0.31872	1.41338	0.03109	-0.02115	0.07961
141	3.5	2	-2	-1.12735	2.70014	0.73547	0.62862	-0.06313	1.74537	0.02459	0.03117	0.03599
142	3.5	3	-2	-0.7314	2.59796	0.48685	0.60796	0.10604	1.39967	-0.06277	-0.00389	0.03105
143	3.5	4	-2	-0.76253	2.2108	0.38613	0.58977	-0.00506	1.27169	-0.04438	-0.0095	0.12729
144	3.5	5	-2	-0.91084	2.4436	0.36786	0.64221	0.09914	1.61534	0.08138	-0.00846	0.20481
145	3.5	6	-2	-0.94256	2.2445	0.26943	0.57203	0.04257	1.34565	0.02529	0.01984	-0.12271
146	3.5	7	-2	-0.84067	2.4185	0.28212	0.6127	0.09347	1.44879	-0.04313	0.02665	0.0635
147	3.5	8	-2	-1.11491	2.75774	0.09273	0.63126	-0.09602	1.75419	0.05941	0.13724	0.04929

148	3.5	9	-2	-0.94314	2.64461	0.01743	0.57068	-0.1795	1.82702	0.21612	0.08144	0.25576
149	3.5	10	-2	-0.67413	2.28921	0.04822	0.54201	-0.17826	1.33321	0.0671	0.06429	-0.1137
150	3.5	11	-2	-0.60737	2.26305	0.03148	0.55473	-0.33328	1.71752	-0.00877	0.05757	-0.12823
151	3.5	11	-3	-0.6744	2.03746	0.03874	0.58825	-0.42135	1.71658	0.03579	0.0965	0.23768
152	3.5	10	-3	-0.81323	2.42329	0.02541	0.51422	-0.25323	1.4263	-0.05753	0.06063	-0.01081
153	3.5	9	-3	-0.88021	2.34627	0.12525	0.54875	-0.09789	1.55041	-0.0589	-0.00314	0.21931
154	3.5	8	-3	-0.53807	2.17155	0.1608	0.56171	-0.03123	1.44191	0.04817	-0.01543	0.09365
155	3.5	7	-3	-0.5858	2.16565	0.26181	0.51307	-0.01447	1.55378	0.01658	-0.00542	0.20162
156	3.5	6	-3	-0.79247	1.93164	0.33143	0.54573	-0.1057	1.63284	-0.05243	0.0035	-0.12113
157	3.5	5	-3	-0.75848	1.83728	0.34851	0.51403	-0.1218	1.45662	0.00401	0.02067	-0.04065
158	3.5	4	-3	-0.49135	1.77611	0.40977	0.52552	-0.15103	1.64381	0.07265	-0.05305	-0.10027
159	3.5	3	-3	-0.78701	2.212	0.44796	0.54622	-0.10367	1.36348	-0.00746	-0.01164	0.24384
160	3.5	2	-3	-0.59563	2.2568	0.65356	0.5358	-0.12939	1.37453	-0.02393	-0.02837	0.08169
161	3.5	1	-3	-0.73081	2.31013	0.6456	0.53368	-0.30377	1.35717	0.01703	-0.05463	0.00323
162	3.5	0	-3	-0.75358	2.54676	0.56245	0.53436	-0.2735	1.40557	-0.01689	0.01707	0.06981
163	3.5	-1	-3	-0.79061	2.50703	0.58519	0.50121	-0.41392	1.34019	0.02458	-0.01166	0.16378
164	3.5	-2	-3	-0.75479	2.5343	0.53236	0.45241	-0.51237	1.24272	0.005	-0.00824	-0.14823
165	3.5	-3	-3	-0.65852	2.42219	0.28051	0.48713	-0.44445	1.39426	-0.03866	-0.06202	0.16918
166	3.5	-3	-4	-0.37172	2.76542	0.34653	0.50878	-0.38302	1.18953	-0.04886	0.063	0.43317
167	3.5	-2	-4	-0.58503	2.0301	0.43884	0.54244	-0.39961	1.20528	0.01206	-0.02897	0.0175
168	3.5	-1	-4	-0.52561	2.10539	0.5094	0.56746	-0.40041	1.26614	-0.00409	-0.00266	-0.00829
169	3.5	0	-4	-0.65881	2.10731	0.55874	0.62269	-0.29929	1.39315	-0.02951	-0.03041	-0.06698
170	3.5	1	-4	-0.74952	2.26243	0.5631	0.52715	-0.29486	1.4016	0.0473	-0.01967	-0.05599
171	3.5	2	-4	-0.74379	2.45985	0.57318	0.59314	-0.28374	1.60853	0.02275	-0.06517	0.03204
172	3.5	3	-4	-0.75405	2.33994	0.41594	0.59645	-0.09575	1.4463	0.08891	-0.03244	-0.05793
173	3.5	4	-4	-0.89643	2.55891	0.34417	0.59127	0.04209	1.49721	0.02089	0.00602	0.15908
174	3.5	5	-4	-0.74558	2.35524	0.39881	0.71607	0.0345	1.28786	0.08716	-0.03217	0.09709
175	3.5	6	-4	-0.94115	2.78876	0.32398	0.62854	-0.1099	1.32922	0.02748	-0.01368	0.10304
176	3.5	7	-4	-0.67829	2.55562	0.24987	0.58481	0.046	1.39971	-0.05438	0.01241	-0.11306
177	3.5	8	-4	-0.59822	2.46052	0.17122	0.61702	0.07309	1.28176	-0.06015	-0.03659	0.17361
178	3.5	9	-4	-0.70069	2.82027	0.05877	0.66866	-0.19166	1.45264	0.05139	0.01809	0.13252
179	3.5	10	-4	-0.60604	2.77301	0.05346	0.74887	-0.27298	1.19177	0.06686	8.35298E-4	0.05441
180	3.5	11	-4	-0.72425	2.83027	0.10103	0.61732	-0.18301	1.16864	0.13018	0.00109	0.04676

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	6.5	11	7	-0.84088	2.77863	-0.17611	0.50081	-0.44174	2.18843	0.03712	0.02472	0.25578
2	6.5	10	7	-0.7524	2.64705	-0.19538	0.50492	-0.56193	2.02514	-0.0562	0.02348	0.22357
3	6.5	9	7	-1.06084	2.57306	-0.21336	0.47585	-0.63497	2.09174	-0.01367	-0.01266	0.17018
4	6.5	8	7	-0.7816	2.79183	-0.28484	0.55914	-0.40127	2.1432	0.0209	-0.02602	0.28888
5	6.5	7	7	-0.54284	2.61041	-0.25156	0.60347	-0.51753	2.17464	0.08069	-0.04103	0.17669
6	6.5	6	7	-0.7664	2.81074	-0.23997	0.6068	-0.59193	2.04273	-0.05695	0.01586	0.05979
7	6.5	5	7	-0.55684	2.38069	-0.26817	0.67482	-0.46366	2.21866	0.10791	0.03136	-0.1668

8	6.5	4	7	-0.64367	2.47473	-0.29004	0.66649	-0.53404	2.20476	0.00914	-0.06732	0.11579
9	6.5	3	7	-0.67285	2.69674	-0.2014	0.62553	-0.75483	2.04324	-0.01385	-0.07879	0.12334
10	6.5	2	7	-0.77609	2.67048	-0.16706	0.56287	-0.80542	2.12071	0.15661	-0.07206	0.02581
11	6.5	1	7	-0.82692	2.40253	-0.18762	0.52522	-0.7433	2.16226	0.0729	0.03238	-0.03683
12	6.5	0	7	-0.82157	2.06992	-0.12489	0.52741	-0.89081	2.05533	0.01845	0.03092	0.20956
13	6.5	-1	7	-0.71215	2.06522	-0.0283	0.46771	-0.73285	2.21447	0.08346	0.09368	0.11923
14	6.5	-2	7	-0.69877	2.34899	-0.0768	0.47018	-0.6961	2.18727	-0.0096	-0.01048	0.47661
15	6.5	-3	7	-0.75882	2.4578	0.00364	0.45736	-0.61749	2.20486	-0.04756	0.00464	0.46482
16	6.5	-3	6	-0.78905	2.58344	0.06144	0.48436	-0.76082	2.10963	-0.05572	-0.05359	-0.03035
17	6.5	-2	6	-0.64903	2.13265	-0.01357	0.49324	-0.72999	1.98272	0.05002	-0.01553	0.46933
18	6.5	-1	6	-0.66931	2.04582	-0.06774	0.4937	-0.81653	2.18353	-0.06352	-0.04859	0.25862
19	6.5	0	6	-0.74251	2.11531	-0.11841	0.54846	-0.74377	2.10825	0.06431	-0.00398	-0.06109
20	6.5	1	6	-0.66387	2.70578	-0.36	0.69443	-0.82334	2.02889	-0.01225	-0.01856	-0.00918
21	6.5	2	6	-0.41901	2.90156	-0.45881	0.90125	-0.45918	2.06783	-0.19551	-0.05689	0.13658
22	6.5	3	6	0.45513	2.73805	-0.41169	1.08955	-0.37596	2.18234	-0.03418	0.10176	0.18182
23	6.5	4	6	1.02723	2.67953	-0.4813	1.14842	-0.14128	2.18835	-0.07571	0.01805	0.27428
24	6.5	5	6	1.15932	2.57075	-0.33276	1.15864	-0.13008	2.07239	-0.03556	0.01857	0.32463
25	6.5	6	6	0.55581	2.47076	-0.34458	1.01619	-0.29061	1.84004	0.22181	0.00323	0.35759
26	6.5	7	6	-0.03465	2.44329	-0.19913	0.88182	-0.33793	2.01993	0.09463	-0.0223	0.31542
27	6.5	8	6	-0.55098	2.20473	-0.1636	0.75543	-0.57561	2.05162	0.0022	0.04978	0.04653
28	6.5	9	6	-0.70309	2.70078	-0.17325	0.56812	-0.53191	2.22784	-0.02504	0.02649	-0.04497
29	6.5	10	6	-0.95235	2.83714	-0.18793	0.51205	-0.60276	2.17073	-0.04161	-0.01803	0.16815
30	6.5	11	6	-0.88815	2.59405	-0.15883	0.50422	-0.56034	2.29329	0.05094	-0.01414	0.44241
31	6.5	11	5	-0.78353	2.62123	-0.16954	0.48918	-0.54403	2.12478	-0.05651	-4.67029E-4	-0.12258
32	6.5	10	5	-0.69912	2.57197	-0.15002	0.54299	-0.47199	2.27562	0.09848	-0.03142	0.50721
33	6.5	9	5	-0.52989	2.65644	-0.14818	0.75053	-0.58634	2.40571	0.02796	-0.07786	-0.17816
34	6.5	8	5	0.33107	3.00114	-0.1412	1.06079	-0.33305	2.25095	0.28081	0.15089	0.4712
35	6.5	7	5	1.56286	3.08275	-0.32062	1.22299	0.12124	2.20109	0.14884	-0.15542	0.75646
36	6.5	6	5	1.99588	3.4931	-0.29554	1.26823	0.03391	2.00481	0.15459	-0.03004	0.96205
37	6.5	5	5	2.92044	3.43434	-0.38528	1.20943	0.08568	1.95982	-0.00226	0.01466	0.508
38	6.5	4	5	2.88369	3.1519	-0.32871	1.19817	-0.01687	1.80159	-0.14692	0.00393	0.2162
39	6.5	3	5	2.19216	3.11111	-0.31194	1.1787	-0.10893	1.89295	-0.28692	0.02246	0.45791
40	6.5	2	5	1.46807	3.01801	-0.39338	1.25135	-0.30901	2.08535	-0.27128	-0.03793	0.57649
41	6.5	1	5	0.34338	2.36546	-0.42841	0.9909	-0.6844	1.8811	-0.10554	0.01128	0.28712
42	6.5	0	5	-0.55208	2.42714	-0.26884	0.73621	-0.87506	1.92206	-0.00909	-0.06912	-0.03541
43	6.5	-1	5	-0.72911	2.16898	-0.04684	0.61781	-0.83622	1.9816	-0.02501	-0.0321	0.08806
44	6.5	-2	5	-0.71646	1.9353	0.02154	0.51415	-0.7235	2.09963	0.03612	-0.01792	-0.01681
45	6.5	-3	5	-0.88743	2.52811	0.04718	0.45671	-0.84507	2.21655	0.02215	0.01735	0.3227
46	6.5	-3	4	-0.78903	2.45929	-0.01446	0.47068	-0.80841	2.06844	0.03106	0.03377	-0.30443
47	6.5	-2	4	-0.81666	2.38844	-0.00655	0.53351	-0.65363	2.16899	0.05706	0.06407	-0.05966
48	6.5	-1	4	-0.06167	2.13847	-0.23859	0.87239	-0.6471	2.0324	-0.13043	0.04708	0.10963
49	6.5	0	4	0.89513	2.36733	-0.58018	1.15096	-0.65604	1.94309	-0.32524	-0.09218	0.34615
50	6.5	1	4	2.8783	2.66864	-0.66063	1.3448	-0.27504	1.83515	-0.60604	0.09223	0.68604
51	6.5	2	4	4.01556	2.85597	-0.37277	1.30012	-0.15969	1.8758	-0.41069	0.01198	0.57863
52	6.5	3	4	5.17989	2.97044	-0.26499	1.09793	-0.03949	1.81139	-0.26505	0.06009	0.10459
53	6.5	4	4	5.18183	2.80021	-0.19138	0.95888	0.03517	1.58773	0.02131	0.08347	0.24531
54	6.5	5	4	4.91632	3.26212	-0.24502	0.93198	-0.00721	1.5754	0.10513	0.03149	0.21956
55	6.5	6	4	4.593	3.38679	-0.21035	1.00457	0.08289	1.81218	-0.07446	0.06147	0.1143
56	6.5	7	4	4.37241	3.308	-0.15674	1.14905	0.16995	1.87529	0.11317	-0.02063	0.62367
57	6.5	8	4	2.16921	2.71365	-0.1804	1.23672	0.10813	1.819	0.6924	0.13476	0.60467
58	6.5	9	4	0.38643	2.26695	-0.17965	0.90969	-0.10237	2.28549	0.00992	0.04153	0.12779
59	6.5	10	4	-0.57752	2.24241	-0.17411	0.64621	-0.4566	2.08626	0.06166	-0.01975	0.24711
60	6.5	11	4	-0.8638	2.12131	-0.13407	0.51334	-0.70832	2.07006	-0.06319	-0.01806	0.08243

61	6.5	11	3	-0.54619	1.93039	-0.13703	0.4912	-0.5501	2.2485	0.03424	0.04679	0.04447
62	6.5	10	3	-0.13412	2.02804	-0.08659	0.72176	-0.30638	2.13179	0.11994	0.04856	0.46222
63	6.5	9	3	1.06728	2.36696	0.00949	1.0375	0.09349	2.27152	0.21625	0.06589	0.2416
64	6.5	8	3	3.58474	2.8255	0.02604	1.14605	0.27128	1.92677	0.61636	0.04168	0.5616
65	6.5	7	3	5.86398	3.13899	-0.10202	0.88792	0.33096	1.63945	-0.12303	-0.00539	0.28322
66	6.5	6	3	6.10205	3.17478	-0.27749	0.90259	0.08709	1.49876	-0.28322	-0.00851	0.30299
67	6.5	5	3	5.70495	3.23792	-0.29577	0.82398	0.02412	1.74086	0.09639	-0.09651	0.05232
68	6.5	4	3	5.75287	3.22914	-0.31995	0.85368	0.04781	1.54656	-0.17281	-0.03361	0.25489
69	6.5	3	3	5.31632	3.8361	-0.40831	0.8764	-0.08556	1.53753	-0.18288	-0.0338	0.17704
70	6.5	2	3	5.48042	3.62894	-0.48781	0.96051	0.06427	1.76882	-0.21267	-0.10438	0.43736
71	6.5	1	3	4.51094	3.57252	-0.66004	1.13976	-0.1673	1.65789	-0.61293	-0.03784	0.14086
72	6.5	0	3	2.47862	3.14935	-0.70227	1.18857	-0.45474	2.01062	-0.88695	0.11835	0.36248
73	6.5	-1	3	0.81622	2.67439	-0.62179	1.05266	-0.7634	2.11356	-0.51507	-0.074	0.47158
74	6.5	-2	3	-0.54639	2.41332	-0.06652	0.7945	-0.86292	2.0225	-0.08834	-0.01142	-0.07146
75	6.5	-3	3	-0.69153	2.0729	0.04719	0.5717	-0.882	2.08016	-0.03705	-0.01664	0.02535
76	6.5	-3	2	-0.53482	1.93998	0.19535	0.58302	-0.88657	2.0357	0.00192	-0.00631	-5.72808E-5
77	6.5	-2	2	-0.05112	1.96999	-0.05874	0.90967	-0.9609	1.79177	-0.19983	-0.00924	-0.0747
78	6.5	-1	2	1.4596	2.54541	-0.79235	1.18983	-0.80825	1.87411	-0.6829	0.02384	0.22413
79	6.5	0	2	3.61233	2.82148	-0.91584	1.07601	0.07683	1.88412	-0.4677	0.03092	0.32368
80	6.5	1	2	5.56548	3.40723	-0.81037	0.94363	0.20439	1.76603	-0.47852	-0.12561	0.15031
81	6.5	2	2	6.29633	3.29844	-0.59332	0.84026	0.32168	1.51932	0.09943	0.06011	0.17999
82	6.5	3	2	5.98469	3.48127	-0.31591	0.84195	-0.01671	1.55547	0.20085	0.02304	0.27568
83	6.5	4	2	5.93912	3.25635	-0.31628	0.81502	0.12743	1.62048	0.20024	-0.04791	0.13131
84	6.5	5	2	6.33832	2.82828	-0.37752	0.817	0.09828	1.58691	-0.08031	-0.02808	0.21092
85	6.5	6	2	6.2493	2.76246	-0.34512	0.87079	0.27019	1.36714	0.08903	-0.02995	-0.11087
86	6.5	7	2	5.84959	2.65967	-0.15682	0.95255	0.32686	1.45571	0.24424	0.02407	-0.05997
87	6.5	8	2	3.58448	2.88639	0.0977	0.96983	0.28466	1.96123	0.4077	0.09479	0.08976
88	6.5	9	2	1.22835	2.34671	0.14952	0.97655	5.21691E-4	2.11595	0.34431	0.24326	0.05949
89	6.5	10	2	-0.48143	2.80865	-0.01449	0.71082	-0.326	2.45197	0.19629	0.02902	-0.19399
90	6.5	11	2	-0.63912	2.47254	-0.12322	0.49887	-0.54148	2.19117	-0.01737	0.00685	-0.02562
91	6.5	11	1	-0.58251	2.24886	-0.13265	0.50215	-0.59602	2.12356	-0.02119	-0.0151	-0.16595
92	6.5	10	1	-0.405	2.0921	-0.07599	0.65965	-0.42307	2.02502	0.06224	0.04965	0.08381
93	6.5	9	1	0.51052	2.16989	0.04482	0.88645	-0.21391	2.1294	0.17715	0.02563	0.24626
94	6.5	8	1	1.67632	2.34219	0.13446	0.98222	0.19352	1.94427	0.24656	0.03015	-0.0805
95	6.5	7	1	3.14062	2.93259	-0.08705	1.00434	0.21445	1.71511	0.28829	0.07813	-0.45454
96	6.5	6	1	4.52843	2.82807	-0.24572	1.00559	0.02867	1.56493	0.17461	9.20425E-4	0.00329
97	6.5	5	1	4.80096	2.91077	-0.26135	0.91261	-0.05069	1.44446	0.09591	-0.00658	-0.07581
98	6.5	4	1	5.19512	3.26988	-0.03128	0.93378	-0.14768	1.55456	0.08099	0.12077	0.22639
99	6.5	3	1	5.38504	3.45968	-0.0993	0.97231	0.33226	1.70194	0.05718	0.179	-0.18522
100	6.5	2	1	5.30543	3.17884	-0.56456	1.15015	0.46419	1.86508	-0.12519	-0.02148	-0.54678
101	6.5	1	1	4.86216	2.6908	-0.87134	1.27165	0.25803	1.71851	-0.29101	-0.02548	-0.41971
102	6.5	0	1	3.25696	2.37035	-0.65908	1.22703	0.0788	1.96836	-0.71578	-0.15705	-0.02542
103	6.5	-1	1	1.32264	2.06979	-0.10154	1.14517	-0.89539	2.00537	-0.40607	-0.01397	-0.09684
104	6.5	-2	1	0.15181	1.95549	0.2095	0.90481	-1.21942	1.76551	-0.22761	0.05586	0.08403
105	6.5	-3	1	-0.60265	1.98429	0.23362	0.58096	-0.80819	1.90481	0.03554	0.01159	0.08846
106	6.5	-3	0	-0.72088	2.14893	0.36498	0.50829	-0.71778	1.95441	0.0863	0.01119	0.0032
107	6.5	-2	0	-0.57935	2.30325	0.52194	0.65056	-1.05788	2.16525	-0.06535	0.07698	-0.19854
108	6.5	-1	0	0.23768	2.53194	0.62437	0.83818	-0.93423	1.96331	-0.11521	-0.02879	-0.1546
109	6.5	0	0	1.01395	2.54941	0.27074	1.05881	-0.46376	2.09698	-0.42306	0.02946	0.1696
110	6.5	1	0	2.21084	2.70607	-0.08443	1.3301	-0.09081	1.96645	-0.22207	-0.05255	-0.18817
111	6.5	2	0	1.77095	2.38375	-0.22549	1.34535	0.10029	2.19963	0.0965	0.14979	-0.43714
112	6.5	3	0	2.41985	2.45048	-0.20904	1.30909	0.06935	2.03191	-0.39326	0.10739	-0.32821
113	6.5	4	0	3.64582	2.55501	0.08416	1.24666	-0.21953	1.81742	-0.10352	0.16505	-0.25374

114	6.5	5	0	3.38965	2.45881	0.15876	1.09532	-0.19521	1.7652	0.24699	0.00526	-0.10669
115	6.5	6	0	2.49272	2.53784	0.1939	1.1413	0.06527	1.86985	0.10445	0.09014	-0.17771
116	6.5	7	0	1.09763	2.53883	0.10409	1.04731	4.43939E-5	1.93637	0.12096	0.149	0.0067
117	6.5	8	0	0.18336	2.59501	0.13095	0.88417	-0.12375	2.28938	-0.0814	0.04961	-0.30982
118	6.5	9	0	-0.30813	2.5241	0.0485	0.72707	-0.37084	2.37475	0.07367	-0.01915	-0.04646
119	6.5	10	0	-0.68319	2.67642	-0.06559	0.60238	-0.2503	2.09247	0.04819	0.05083	0.13419
120	6.5	11	0	-0.75087	2.40289	-0.16092	0.5211	-0.63289	2.30567	-0.05522	0.0538	0.26486
121	6.5	11	-1	-0.81436	2.32228	-0.02819	0.5536	-0.42404	2.28246	0.09649	0.02763	-0.03071
122	6.5	10	-1	-0.69732	2.14392	-0.01612	0.55583	-0.492	2.32622	0.03821	0.07766	0.08897
123	6.5	9	-1	-0.46239	1.93576	-0.01825	0.6406	-0.21336	2.20144	0.03677	0.09639	0.27907
124	6.5	8	-1	-0.34963	2.06534	0.04867	0.72651	-0.17873	2.23457	0.01743	0.23317	0.11489
125	6.5	7	-1	-0.08282	2.15638	0.21041	0.85213	-0.1164	2.16275	0.00423	0.02572	-0.08336
126	6.5	6	-1	0.54039	2.16611	0.27221	0.90844	-0.21925	2.09774	0.03271	-0.00333	0.09038
127	6.5	5	-1	0.829	2.6494	0.13939	1.03784	-0.33252	1.8131	-0.08237	-0.04201	-0.19873
128	6.5	4	-1	0.77684	2.62121	0.06972	1.05705	-0.26199	2.02949	-0.16976	0.19027	-0.34032
129	6.5	3	-1	0.16832	2.43888	0.18889	1.01032	0.07124	2.08058	-0.04091	0.16586	-0.02361
130	6.5	2	-1	0.27768	2.51917	0.63278	0.94176	-0.16949	2.36581	0.14177	0.09543	-0.64265
131	6.5	1	-1	0.56974	2.35196	0.70998	0.93535	-0.32192	2.22313	-0.15321	0.05539	-0.07431
132	6.5	0	-1	0.08458	2.14378	0.85314	0.72944	-0.53245	2.22743	0.042	0.04418	0.07987
133	6.5	-1	-1	-0.21903	1.97171	0.86168	0.66371	-0.79019	2.10279	-0.01158	-0.07735	-0.04888
134	6.5	-2	-1	-0.41261	1.94857	0.57359	0.53982	-0.68472	2.01492	0.05581	-0.04063	-0.02638
135	6.5	-3	-1	-0.83797	2.32233	0.3267	0.52322	-0.55628	2.1389	-0.04848	-0.01045	0.05715
136	6.5	-3	-2	-0.79269	2.29201	0.34642	0.51309	-0.62246	2.14212	0.01518	-0.10305	0.04508
137	6.5	-2	-2	-0.73536	2.40613	0.60557	0.50595	-0.64909	1.87696	-0.02109	-0.03215	-0.31403
138	6.5	-1	-2	-0.61647	2.22391	0.76234	0.58943	-0.65695	2.08714	0.02836	-0.06664	0.04592
139	6.5	0	-2	-0.50284	2.11633	0.8446	0.61093	-0.6073	2.3111	0.08698	-0.00151	0.20062
140	6.5	1	-2	-0.25291	2.04922	0.89686	0.64446	-0.47049	2.15556	0.00518	-0.09335	0.1181
141	6.5	2	-2	-0.30389	2.08195	0.70899	0.72339	-0.31179	2.21858	0.00326	0.04216	0.09233
142	6.5	3	-2	-0.63086	2.4483	0.50857	0.6287	-0.06156	2.28608	-0.02446	-0.0231	-0.12949
143	6.5	4	-2	-0.58743	2.4082	0.38106	0.61899	-0.382	2.07246	-0.02923	8.26507E-4	0.04567
144	6.5	5	-2	-0.55446	2.22867	0.28862	0.65717	-0.20857	2.23534	-0.05242	0.01856	0.151
145	6.5	6	-2	-0.57076	2.13484	0.31435	0.65695	-0.17984	2.37033	0.04105	-0.00952	-0.26225
146	6.5	7	-2	-0.64126	1.99804	0.15054	0.70157	-0.27963	2.19933	-0.09855	0.05974	-0.05469
147	6.5	8	-2	-0.68424	2.05904	0.09619	0.65112	-0.21115	2.32298	0.01147	0.09907	0.16201
148	6.5	9	-2	-0.63417	2.23671	0.0466	0.60109	-0.36827	2.34622	0.02664	0.04934	0.06848
149	6.5	10	-2	-0.92898	2.43566	-0.04927	0.55502	-0.43641	2.26199	-0.03452	0.11916	-0.17373
150	6.5	11	-2	-0.79268	2.5849	-0.03847	0.55775	-0.42944	2.18195	0.05553	-0.03158	0.14134
151	6.5	11	-3	-0.78784	2.6705	0.05909	0.5318	-0.38095	2.4481	0.07359	0.05589	0.56161
152	6.5	10	-3	-0.76125	2.30359	0.00671	0.56556	-0.50754	2.30613	0.03543	0.02212	0.42294
153	6.5	9	-3	-0.96627	2.32713	0.05193	0.59094	-0.4052	2.38876	0.06388	0.05412	0.43479
154	6.5	8	-3	-0.66247	1.98847	0.04997	0.62465	-0.54497	2.57714	0.04977	0.04064	-0.16822
155	6.5	7	-3	-0.65196	2.0075	0.16434	0.5838	-0.16266	2.19012	0.0302	-0.00977	0.06481
156	6.5	6	-3	-0.82556	2.17167	0.21759	0.59835	-0.24293	2.29553	0.00968	-0.02493	0.09804
157	6.5	5	-3	-0.53453	2.21003	0.3282	0.57235	-0.26019	2.24628	-0.05967	-0.01466	-0.01819
158	6.5	4	-3	-0.87772	2.40324	0.35645	0.51896	-0.15327	2.25596	-0.00733	-0.08089	0.12348
159	6.5	3	-3	-0.60786	2.62822	0.46188	0.52104	-0.40867	2.13006	-0.06456	0.00971	0.58204
160	6.5	2	-3	-0.61972	2.62257	0.54893	0.58745	-0.53729	2.34799	0.05348	0.03129	-0.01773
161	6.5	1	-3	-0.57129	2.22444	0.7304	0.61997	-0.52171	2.31312	0.02043	-0.0685	0.14503
162	6.5	0	-3	-0.59707	2.17219	0.72879	0.53768	-0.48492	2.48516	-0.00974	-0.03515	-0.06409
163	6.5	-1	-3	-0.48293	2.02296	0.60751	0.50747	-0.64994	2.25756	0.03341	-0.01754	0.05851
164	6.5	-2	-3	-0.60077	2.1369	0.55091	0.47756	-0.6737	2.10757	0.03384	-0.0185	0.1895
165	6.5	-3	-3	-0.76419	2.17281	0.41885	0.44966	-0.51728	2.31092	0.05894	0.01119	0.26612
166	6.5	-3	-4	-0.98604	2.53258	0.43363	0.46867	-0.36491	1.73728	0.08055	0.04256	0.03051

167	6.5	-2	-4	-0.79858	2.49311	0.52884	0.47736	-0.70663	2.1339	0.02736	-0.00427	-0.04846
168	6.5	-1	-4	-0.76188	2.39615	0.54802	0.51284	-0.40867	2.22906	-0.02643	-0.02641	0.20491
169	6.5	0	-4	-0.66333	2.48524	0.58932	0.55368	-0.6933	2.17985	-0.00243	-0.01888	-0.04634
170	6.5	1	-4	-0.61882	2.27597	0.7171	0.53651	-0.48353	2.23176	-0.0224	-0.00203	-0.44723
171	6.5	2	-4	-0.61093	2.22628	0.55944	0.53957	-0.4121	2.31096	-0.0212	0.01605	0.05954
172	6.5	3	-4	-0.95197	2.79179	0.46691	0.55752	-0.44136	2.31482	-0.03375	-0.0602	-0.19025
173	6.5	4	-4	-0.90397	2.66178	0.38686	0.58626	-0.33704	2.42732	-0.00118	0.0043	-0.03232
174	6.5	5	-4	-0.67955	2.33983	0.31942	0.54729	-0.41377	2.21672	0.07454	-0.02436	0.29399
175	6.5	6	-4	-0.66676	2.3123	0.26257	0.5856	-0.2779	2.30195	-0.06096	-0.00613	-0.05446
176	6.5	7	-4	-0.77023	2.2756	0.18793	0.63891	-0.1922	2.22864	-0.06762	-0.04502	0.23925
177	6.5	8	-4	-0.95296	2.66691	0.10377	0.5616	-0.28407	2.03102	-0.04558	0.08688	-0.15946
178	6.5	9	-4	-0.64181	2.67446	-0.00326	0.58794	-0.30845	1.81298	-0.01849	0.05941	0.01554
179	6.5	10	-4	-0.48334	2.51933	0.09544	0.61127	-0.17669	2.0557	0.00803	0.07628	-0.15532
180	6.5	11	-4	-0.59767	2.45714	0.01964	0.56358	-0.19775	1.77268	0.08305	0.13557	0.30584

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	9.5	11	7	-0.67332	2.07286	-0.13298	0.60195	-0.78917	2.68417	0.07903	-0.01675	-0.15662
2	9.5	10	7	-0.66815	2.1593	-0.01699	0.55466	-0.69255	2.96428	0.07537	0.19677	-0.07423
3	9.5	9	7	-0.74373	2.00998	-0.08608	0.68108	-0.88063	2.67842	-0.01682	0.02673	0.18453
4	9.5	8	7	-0.65247	1.97936	-0.07534	0.70346	-0.46401	3.01615	0.0302	0.12334	0.12897
5	9.5	7	7	-0.28693	1.92462	-0.09548	0.76045	-0.48893	2.75016	-0.0921	0.10987	0.0948
6	9.5	6	7	-0.16855	2.03904	-0.12447	0.8855	-0.52138	2.19312	0.17588	0.12797	-0.12321
7	9.5	5	7	0.02038	1.98433	-0.26049	0.91129	-0.60021	2.53522	-0.02722	-0.13003	0.40459
8	9.5	4	7	0.0973	2.0659	-0.2532	0.92757	-0.44399	2.56522	0.15078	-0.03722	0.26554
9	9.5	3	7	-0.10701	2.10879	-0.35425	0.87201	-0.49207	2.70583	-0.0972	-0.02665	0.4425
10	9.5	2	7	-0.31924	1.82462	-0.45193	0.73928	-0.85741	2.41983	-0.09447	0.04465	0.36289
11	9.5	1	7	-0.42551	1.54859	-0.44645	0.64592	-0.86832	2.4566	-0.05946	0.11304	-0.05135
12	9.5	0	7	-0.48282	1.58432	-0.20859	0.50026	-0.77007	2.50341	-0.03271	0.04824	-0.20068
13	9.5	-1	7	-0.41745	1.42635	-0.10251	0.50086	-0.85636	2.54148	-0.02553	0.05663	-0.13937
14	9.5	-2	7	-0.58063	1.73169	-0.12095	0.52075	-0.65908	2.82952	0.00782	0.10705	-0.14446
15	9.5	-3	7	-0.56041	1.97493	-0.19842	0.6195	-0.83468	2.77006	-0.02498	0.01332	-0.16942
16	9.5	-3	6	-0.75605	1.97212	-0.14432	0.58972	-0.81568	2.71163	0.00913	-0.10325	-0.12624
17	9.5	-2	6	-0.66551	2.14983	-0.13298	0.6361	-0.65098	2.95288	0.0247	0.12835	-0.19772
18	9.5	-1	6	-0.63301	2.29262	-0.25358	0.6091	-0.90674	2.59074	-0.02638	0.01367	0.2234
19	9.5	0	6	-0.36949	2.0509	-0.36791	0.71978	-0.67645	2.83746	-0.02376	-0.07099	-0.03118
20	9.5	1	6	-0.1714	2.30248	-0.58471	0.87467	-0.61944	2.77712	0.00253	-0.00632	0.1209
21	9.5	2	6	0.49771	2.51815	-0.82199	1.19512	-0.49705	2.40845	-0.45656	-0.08447	0.45794
22	9.5	3	6	1.2526	2.39329	-0.67994	1.18323	-0.3492	2.19533	-0.19516	-0.08103	0.62805
23	9.5	4	6	1.90412	2.20558	-0.6079	1.24352	-0.13384	2.24845	-0.14534	-0.03421	0.63102
24	9.5	5	6	1.76612	2.39792	-0.42562	1.26768	-0.1229	2.22139	0.03168	0.02006	0.80061
25	9.5	6	6	1.35548	2.33998	-0.41211	1.31236	-0.03074	2.35023	0.07922	-0.09084	0.82641
26	9.5	7	6	1.16094	2.15441	-0.17461	1.24607	-0.1659	2.44979	0.1023	0.01566	0.08783

27	9.5	8	6	0.17895	2.2577	-0.06193	1.07218	-0.60183	2.58922	0.23286	0.10648	0.16917
28	9.5	9	6	-0.38674	2.04942	-0.00953	0.82641	-0.61974	2.64271	0.0291	0.02406	0.2147
29	9.5	10	6	-0.47542	2.02277	-0.00509	0.59963	-0.65122	2.65357	0.00359	-0.03824	0.06859
30	9.5	11	6	-0.64688	2.26356	-0.07146	0.55366	-0.64886	2.55353	-0.02183	0.02809	0.4605
31	9.5	11	5	-0.57002	2.2748	-0.13867	0.59652	-0.92851	2.80139	-0.00966	0.02221	-0.01403
32	9.5	10	5	-0.52279	2.43673	-0.16054	0.64946	-0.56136	3.20575	-0.18455	-0.0512	0.86099
33	9.5	9	5	0.2082	2.4137	-0.1138	0.9811	-0.33859	2.96009	0.19781	0.05591	0.70542
34	9.5	8	5	1.44934	2.67479	-0.21489	1.25157	-0.13493	2.7639	0.37914	-0.09895	0.97752
35	9.5	7	5	2.63745	2.9279	-0.25528	1.41473	0.16933	2.38482	0.49056	0.07264	0.79859
36	9.5	6	5	3.16171	2.91368	-0.51031	1.39938	0.06144	2.28639	0.1921	0.11551	0.66224
37	9.5	5	5	3.75779	2.53867	-0.6276	1.26051	-0.05803	2.54362	0.05267	0.13273	1.06036
38	9.5	4	5	3.76655	2.2734	-0.51871	1.29143	0.14371	2.00313	0.09897	0.07388	0.55122
39	9.5	3	5	3.48995	2.17294	-0.57308	1.44825	-0.09304	2.20032	-0.47405	-8.31268E-4	0.33244
40	9.5	2	5	2.67901	2.12717	-0.62293	1.43122	-0.239	2.17917	-0.25319	0.19123	0.65432
41	9.5	1	5	1.27618	2.05562	-0.69587	1.31624	-0.44333	2.42488	-0.39344	0.10019	0.26548
42	9.5	0	5	0.22466	1.79747	-0.64704	1.10788	-0.93458	2.57317	-0.20363	-0.04838	0.45853
43	9.5	-1	5	-0.38431	1.55619	-0.33906	0.78426	-1.08498	2.4747	-0.09574	-0.00482	0.23672
44	9.5	-2	5	-0.60241	1.76303	-0.22039	0.57816	-1.01771	2.31499	0.0759	0.01919	0.11078
45	9.5	-3	5	-0.47365	1.97096	-0.05798	0.56936	-0.89956	2.41127	0.04777	0.03238	0.06936
46	9.5	-3	4	-0.3699	1.79966	-0.00286	0.71449	-1.09621	2.56767	-0.01052	0.10176	0.14191
47	9.5	-2	4	-0.54934	1.91579	-0.21721	0.84015	-1.10725	2.55747	-0.06976	0.01943	0.08724
48	9.5	-1	4	0.17432	1.95914	-0.51081	1.07563	-1.08262	2.49175	-0.26456	0.07739	0.18242
49	9.5	0	4	1.45254	2.33002	-0.66328	1.35672	-0.64724	2.27072	-0.6144	-0.17907	0.57683
50	9.5	1	4	3.25338	2.47998	-0.64728	1.41804	-0.30192	2.38385	-0.61702	0.24591	0.62255
51	9.5	2	4	4.55555	2.82658	-0.55616	1.38256	-0.1187	2.22192	-0.4635	0.13	0.33313
52	9.5	3	4	5.74748	2.41319	-0.4474	1.15827	-0.03425	2.1819	-0.18191	0.00858	0.92528
53	9.5	4	4	6.05759	1.82338	-0.35188	1.1063	-0.04101	1.99022	-0.11346	0.07058	0.36358
54	9.5	5	4	5.87255	2.00799	-0.35324	1.04062	-0.0349	2.01186	-0.05334	0.06026	0.50797
55	9.5	6	4	6.1183	2.08826	-0.31959	1.10479	0.10877	1.80389	0.04883	0.01111	0.51804
56	9.5	7	4	5.46369	2.52489	-0.32315	1.24988	0.12063	2.01886	0.61581	0.03313	0.93316
57	9.5	8	4	3.47598	2.19153	-0.25676	1.3405	0.15367	2.18056	0.72333	-0.02067	0.68208
58	9.5	9	4	1.22397	2.13243	-0.12144	1.23198	-0.17432	2.46114	0.30662	-0.0021	0.57677
59	9.5	10	4	0.28453	1.84625	-0.06082	0.87639	-0.49279	2.59043	0.12635	0.0878	0.48301
60	9.5	11	4	-0.3817	1.72158	-0.03989	0.71024	-0.54564	2.67648	-0.00285	-0.08871	0.27543
61	9.5	11	3	-0.35503	2.1406	-0.11961	0.6818	-0.6477	2.91449	-0.14941	0.0433	0.31802
62	9.5	10	3	0.15543	2.42395	-0.05275	0.90782	-0.5185	2.67181	0.22874	0.05769	0.39396
63	9.5	9	3	1.7072	2.59189	-0.0286	1.22948	-0.07761	2.54831	0.35026	0.01453	0.46255
64	9.5	8	3	4.00739	2.69669	-0.02382	1.18533	0.23918	2.17007	0.49809	-0.08546	0.55958
65	9.5	7	3	6.086	2.90275	-0.36514	1.03893	0.31608	2.22681	0.44622	0.03261	0.32774
66	9.5	6	3	7.2305	2.2447	-0.37251	0.88109	0.31603	1.91767	-0.06906	-0.13418	0.3202
67	9.5	5	3	6.78408	2.2126	-0.47444	0.85381	0.09082	2.00069	-0.10111	0.0828	0.09848
68	9.5	4	3	6.76264	2.25068	-0.42567	0.81757	-0.03606	1.62606	0.03608	0.00105	0.32982
69	9.5	3	3	6.99857	2.40866	-0.48999	0.89213	0.18261	1.86198	0.00619	0.034	0.09131
70	9.5	2	3	6.97843	2.16008	-0.67973	1.0306	0.16322	1.94681	-0.18741	0.08867	0.16132
71	9.5	1	3	5.40233	2.32466	-0.75294	1.15338	-0.0218	2.01169	-0.63219	0.03168	0.50795
72	9.5	0	3	3.18721	2.37353	-0.83639	1.31136	-0.54197	2.0317	-0.68204	-0.02507	0.81098
73	9.5	-1	3	1.21997	2.07581	-0.75932	1.17211	-0.9749	2.09054	-0.60351	-0.02911	0.1269
74	9.5	-2	3	-0.03302	1.79838	-0.29752	0.87078	-0.95391	2.29562	-0.22412	0.13145	0.34245
75	9.5	-3	3	-0.49548	1.7749	0.0466	0.56949	-0.99299	2.45584	0.01691	0.02206	0.13545
76	9.5	-3	2	-0.47386	1.67115	0.14679	0.60729	-0.87036	2.4354	-0.03221	-0.1236	0.2199
77	9.5	-2	2	0.14682	1.97816	-0.25458	1.0644	-1.15571	2.37992	-0.37953	-0.05951	0.03141
78	9.5	-1	2	1.95085	2.31996	-0.83172	1.2814	-0.81971	2.183	-0.73829	-0.23157	0.34271
79	9.5	0	2	4.08098	2.16872	-1.0519	1.18738	-0.12082	2.18799	-0.72125	-0.22548	0.24969

80	9.5	1	2	6.07299	2.32331	-1.02724	1.04282	0.35628	2.00796	-0.49795	-0.05744	-0.20691
81	9.5	2	2	7.49881	2.00984	-0.73712	0.89976	0.28203	1.85274	-0.21402	0.03055	-0.33748
82	9.5	3	2	7.53173	1.93039	-0.50777	0.7965	0.1707	1.6603	0.02941	0.10673	0.05901
83	9.5	4	2	7.22513	2.205	-0.43461	0.81044	0.07821	1.68532	0.02134	0.06221	-0.16868
84	9.5	5	2	6.83667	2.46525	-0.46658	0.78172	0.10413	1.66948	-0.08348	-0.09151	0.13586
85	9.5	6	2	6.39129	2.7749	-0.51291	0.8707	0.16799	1.63921	-0.07521	-0.0472	-0.00283
86	9.5	7	2	5.3342	2.90556	-0.28094	1.01311	0.19241	1.91376	0.14141	0.11018	-0.10191
87	9.5	8	2	3.43086	2.60906	-0.0652	1.08922	0.136	2.05176	0.35363	0.09306	-0.06072
88	9.5	9	2	1.6672	2.42689	-0.04595	1.03408	0.04743	2.03174	0.33614	0.14631	0.11569
89	9.5	10	2	0.14643	2.33181	-0.06264	0.82033	-0.47782	2.24193	0.14321	0.04144	0.33756
90	9.5	11	2	-0.31256	2.29255	-0.12983	0.62197	-0.54476	2.64082	0.05618	0.09908	-0.32797
91	9.5	11	1	-0.17094	2.07061	-0.15998	0.53803	-0.58809	2.46665	0.02809	0.02982	0.05136
92	9.5	10	1	0.34039	1.71931	-0.15831	0.7068	-0.55315	2.26836	0.12159	0.10654	0.06949
93	9.5	9	1	1.17646	1.93283	0.04383	0.91402	-0.16312	2.07447	0.21862	0.21206	-0.15199
94	9.5	8	1	2.03106	2.32895	-9.24646E-4	1.09006	0.05106	2.04919	0.19038	0.11686	-0.16614
95	9.5	7	1	3.41852	2.29669	-0.14932	1.15319	0.02492	1.95788	0.30534	0.15583	-0.23021
96	9.5	6	1	4.92073	2.11551	-0.29866	1.0648	0.20572	1.73578	0.0949	0.17582	-0.05232
97	9.5	5	1	5.82627	2.26978	-0.27947	0.97519	-0.00504	1.5314	0.16436	0.048	-0.05641
98	9.5	4	1	6.55448	2.2002	-0.1782	0.99353	-0.07967	1.5969	-0.05243	0.17044	-0.23633
99	9.5	3	1	5.7802	2.47746	-0.26759	1.22777	0.21368	2.0149	-0.42843	0.12051	-0.786
100	9.5	2	1	4.82106	2.70437	-0.69136	1.34961	0.39031	1.89902	-0.60134	-0.11362	-0.62639
101	9.5	1	1	3.87992	2.74859	-0.87708	1.31144	0.35368	2.29528	-0.39581	0.08743	-0.41074
102	9.5	0	1	3.01759	2.78565	-0.90419	1.24885	-0.0325	2.10418	-0.52368	-0.20338	-0.17712
103	9.5	-1	1	2.07964	2.31758	-0.66666	1.27332	-0.87643	2.05996	-0.756	-0.17677	0.0473
104	9.5	-2	1	0.53691	2.14028	-0.16078	1.09223	-1.24658	2.02707	-0.53845	0.07652	0.06734
105	9.5	-3	1	-0.48641	1.78854	0.25479	0.65311	-0.90562	2.5088	-0.02015	-0.06345	0.31386
106	9.5	-3	0	-0.50874	1.68995	0.35771	0.62055	-0.72572	2.40067	-0.07816	0.16788	0.01359
107	9.5	-2	0	0.18261	1.8593	0.31677	0.96926	-1.18924	2.31682	-0.30782	-0.04937	-0.35202
108	9.5	-1	0	1.2838	1.94551	0.08142	1.17488	-1.06769	2.10473	-0.39089	0.12698	-0.38446
109	9.5	0	0	1.75615	2.17115	-0.22335	1.18707	-0.39724	2.23312	-0.32013	-0.12107	-0.27428
110	9.5	1	0	2.0357	1.99221	-0.30502	1.24402	0.04656	2.18198	-0.1993	0.06066	-0.46671
111	9.5	2	0	2.00369	1.91411	-0.44476	1.30989	0.25681	1.91683	-0.24119	0.21032	-0.43322
112	9.5	3	0	2.74743	2.02969	-0.45502	1.40771	0.27436	1.97733	-0.44967	0.17252	-0.42176
113	9.5	4	0	3.8391	2.2521	-0.22277	1.33085	-0.13444	1.82478	-0.53807	0.14482	-0.64206
114	9.5	5	0	3.86173	2.44571	0.02773	1.26416	-0.22699	1.82597	0.05574	0.08139	-0.27181
115	9.5	6	0	2.63873	2.40156	0.0733	1.20931	-0.09228	2.0431	0.26045	0.12236	0.14949
116	9.5	7	0	1.62705	2.35025	0.11204	1.09746	0.11645	2.26552	0.22413	0.15645	-0.12283
117	9.5	8	0	0.94926	2.01582	0.06705	1.0013	-0.10783	2.33375	0.08539	0.13368	-0.10301
118	9.5	9	0	0.48176	1.89259	-0.18151	0.80518	-0.43737	2.33596	0.10286	-0.10921	-0.1442
119	9.5	10	0	0.1242	1.67473	-0.27391	0.70306	-0.70711	2.40034	0.18146	-0.02732	0.0222
120	9.5	11	0	0.19682	1.76356	-0.23863	0.64535	-0.75685	2.74267	0.04477	0.08429	-0.42452
121	9.5	11	-1	-0.14148	1.81605	-0.23153	0.68744	-0.65916	2.81303	0.07435	-0.10115	0.28723
122	9.5	10	-1	-0.17392	1.8755	-0.33794	0.66087	-0.60905	2.50041	0.07141	0.11428	0.01052
123	9.5	9	-1	-0.22725	2.32988	-0.19652	0.76481	-0.41634	2.4026	-0.00957	0.13404	0.09523
124	9.5	8	-1	-0.16852	2.44883	-0.02006	0.80086	-0.36062	2.4311	0.0714	0.17482	0.338
125	9.5	7	-1	0.33056	2.36371	0.16128	0.85515	-0.25418	2.25699	0.13629	-0.0319	-0.06016
126	9.5	6	-1	0.93187	2.44896	0.15237	0.98464	-0.07977	2.13751	0.13397	0.10496	-0.01556
127	9.5	5	-1	1.31373	2.6407	-0.06456	1.16091	-0.0929	2.1031	0.06764	0.0749	-0.35367
128	9.5	4	-1	1.37547	2.67221	-0.26124	1.20059	-0.29982	2.18026	-0.18693	0.16465	0.09393
129	9.5	3	-1	0.71342	2.40725	-0.21037	1.10457	0.06818	2.36731	-0.02417	0.13748	0.13986
130	9.5	2	-1	0.46916	2.54196	0.10165	0.96742	0.09951	2.19945	0.12355	-0.05776	0.05773
131	9.5	1	-1	0.61004	2.49708	0.3549	0.94051	-0.2628	2.17605	-0.02396	-0.1067	0.07916
132	9.5	0	-1	0.77512	2.48374	0.49397	1.07046	-0.33263	2.21209	-0.14948	0.07984	-0.11165

133	9.5	-1	-1	0.49957	2.26513	0.69802	0.97513	-0.98213	2.42297	-0.19011	-0.02638	-0.08607
134	9.5	-2	-1	-0.32829	2.16822	0.62109	0.81051	-0.87973	2.52538	-0.08271	0.04372	0.07837
135	9.5	-3	-1	-0.86066	2.21927	0.45871	0.57945	-0.77461	2.56186	0.07503	-0.05943	-0.20275
136	9.5	-3	-2	-0.61694	1.97998	0.46968	0.50354	-0.82711	2.37168	0.0296	-0.02028	-0.20448
137	9.5	-2	-2	-0.56109	1.98406	0.70678	0.61379	-0.93748	2.65845	0.02467	-0.00115	0.37183
138	9.5	-1	-2	0.01789	1.85103	0.89426	0.80047	-0.88153	2.45116	-0.03712	0.04661	-0.19138
139	9.5	0	-2	0.24977	2.09781	0.85896	0.84636	-0.52103	2.46589	-0.03335	-0.05426	0.20202
140	9.5	1	-2	0.13793	2.02459	0.71915	0.84767	-0.20583	2.21562	0.0924	0.08429	0.17554
141	9.5	2	-2	0.11422	2.07102	0.51115	0.84529	-0.08769	2.06217	0.08368	0.0053	-0.21648
142	9.5	3	-2	-0.0169	2.06842	0.2971	0.79563	-0.12603	2.36637	0.03648	0.02174	0.21931
143	9.5	4	-2	0.01487	1.89606	0.1874	0.81027	-0.21285	2.49151	-0.08834	0.10415	0.11495
144	9.5	5	-2	0.02647	1.86683	0.12249	0.83857	-0.23486	2.30717	-0.06002	-0.03254	-0.00519
145	9.5	6	-2	0.01353	1.80916	0.09847	0.78744	-0.52669	2.44554	-0.04574	-0.00801	-0.15873
146	9.5	7	-2	-0.28939	1.92059	0.04657	0.72355	-0.33692	2.37285	0.00821	0.01468	-0.3382
147	9.5	8	-2	-0.35226	1.75827	-0.01315	0.75445	-0.3607	2.37615	-0.04955	0.11565	0.2414
148	9.5	9	-2	-0.28751	2.0357	-0.11076	0.67184	-0.30717	2.27763	-0.04823	0.05103	-0.22405
149	9.5	10	-2	-0.39801	2.02588	-0.27547	0.64948	-0.66841	2.42072	0.07098	0.11196	-0.0191
150	9.5	11	-2	-0.22616	1.87487	-0.20269	0.61744	-0.75538	2.56876	0.11859	0.08062	0.2518
151	9.5	11	-3	-0.23209	1.80768	-0.20228	0.60931	-0.73561	2.4486	0.02549	-0.02234	0.08157
152	9.5	10	-3	-0.50749	2.2001	-0.23752	0.64116	-0.51728	2.34695	0.02588	0.03501	-0.1935
153	9.5	9	-3	-0.49424	2.03411	-0.08857	0.68297	-0.54895	2.50495	0.06189	-0.02394	-0.24875
154	9.5	8	-3	-0.27323	2.31849	-0.0845	0.63878	-0.46419	2.23613	-0.09258	0.07182	0.18121
155	9.5	7	-3	-0.56168	2.35209	-0.02428	0.7689	-0.48093	2.47005	0.1089	0.12388	0.32872
156	9.5	6	-3	-0.5557	2.22299	0.11855	0.70887	-0.43426	2.45364	0.06188	0.10909	0.4292
157	9.5	5	-3	-0.37936	2.02765	0.16649	0.68735	-0.29448	2.55707	0.02251	0.16399	-0.39374
158	9.5	4	-3	-0.26819	2.28787	0.19706	0.70007	-0.35947	2.40586	-0.04492	0.07397	0.05543
159	9.5	3	-3	-0.39483	2.33458	0.33724	0.67243	-0.11893	2.21337	0.13419	0.08577	-0.36585
160	9.5	2	-3	-0.36616	2.20438	0.46585	0.68414	-0.27492	2.44501	0.10534	0.10338	0.09737
161	9.5	1	-3	-0.40284	2.19125	0.58326	0.70149	-0.53184	2.47848	0.12887	-0.0116	0.09682
162	9.5	0	-3	-0.39345	2.30961	0.85388	0.8107	-0.43642	2.32547	0.0317	-0.06679	-0.09464
163	9.5	-1	-3	-0.36086	2.09801	0.66883	0.73009	-0.42063	2.4382	-0.04766	-0.06299	0.22784
164	9.5	-2	-3	-0.58356	2.35941	0.62586	0.6048	-0.74265	2.48702	0.08661	0.10904	-0.14304
165	9.5	-3	-3	-0.79175	2.12725	0.40415	0.49044	-0.57003	2.41679	0.09493	0.0666	0.12526
166	9.5	-3	-4	-0.7468	2.26012	0.42291	0.52577	-0.89961	2.66776	-0.03909	-0.00616	-0.07399
167	9.5	-2	-4	-0.69198	2.38554	0.59605	0.55678	-0.55859	2.47615	-0.07749	-0.0841	0.22134
168	9.5	-1	-4	-0.3244	2.20285	0.48881	0.59573	-0.95087	2.55163	-0.07003	-0.00478	0.05434
169	9.5	0	-4	-0.53451	2.21567	0.64142	0.76572	-0.63087	2.52505	0.10841	-0.16346	0.04268
170	9.5	1	-4	-0.53265	2.16393	0.5393	0.65079	-0.5199	2.20521	-0.07199	-0.0919	0.54259
171	9.5	2	-4	-0.47916	2.32682	0.54244	0.68856	-0.53892	2.3888	-0.04115	-0.05807	0.30676
172	9.5	3	-4	-0.62684	2.40534	0.37407	0.6666	-0.11819	2.22818	-0.00737	-0.05787	0.04749
173	9.5	4	-4	-0.568	2.19131	0.19616	0.71078	-0.52136	2.26883	-0.18261	-0.11592	0.04703
174	9.5	5	-4	-0.48835	2.10278	0.15526	0.70356	-0.42919	2.28744	-0.06454	-0.08342	-0.177
175	9.5	6	-4	-0.46313	2.11266	0.08882	0.68879	-0.18447	2.46698	0.01216	-0.02295	0.14033
176	9.5	7	-4	-0.49671	2.18252	-0.00882	0.64478	-0.47606	2.46913	-0.0615	-0.16196	0.10591
177	9.5	8	-4	-0.42477	2.38366	0.05542	0.76134	-0.44498	2.33364	-0.12186	-0.03372	0.11219
178	9.5	9	-4	-0.29028	2.8511	-0.03397	0.6902	-0.34146	2.41653	0.14034	0.04149	0.06116
179	9.5	10	-4	-0.38174	2.18965	-0.07552	0.6389	-0.30941	2.86421	0.09457	0.03649	0.02176
180	9.5	11	-4	-0.43128	2.40199	-0.13008	0.59125	-0.48675	2.62778	-0.08718	0.04813	-0.11968

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	12.5	11	7	-0.68547	2.03366	-0.08423	0.51025	-0.8456	2.33241	-0.0093	0.02212	0.15745
2	12.5	10	7	-0.47205	1.7093	-0.06662	0.55015	-0.61659	2.25051	0.00722	-0.01348	-0.00415
3	12.5	9	7	-0.51849	1.86804	-0.04161	0.59828	-0.67864	2.02635	-0.03741	0.03676	0.04694
4	12.5	8	7	-0.20593	1.82977	-0.05865	0.74812	-0.5696	2.09467	-0.03137	0.06125	0.21301
5	12.5	7	7	0.19666	1.74584	-0.16304	0.81946	-0.42692	2.05676	-0.1167	-0.01638	0.48798
6	12.5	6	7	0.29106	1.90757	-0.20006	0.89741	-0.43356	2.01375	0.04811	0.03453	0.19935
7	12.5	5	7	0.48606	1.91965	-0.26584	0.87407	-0.3413	2.10021	-0.13111	-0.01942	0.33556
8	12.5	4	7	0.4251	2.1209	-0.3633	0.86364	-0.44177	1.94434	-0.06744	-0.07618	0.20403
9	12.5	3	7	0.16445	2.43918	-0.4131	0.72331	-0.33934	2.11058	-0.0479	0.00632	0.21881
10	12.5	2	7	-0.11839	2.38945	-0.33292	0.75399	-0.46296	1.91293	-0.14934	0.00353	0.14431
11	12.5	1	7	-0.20791	2.24061	-0.29527	0.66208	-0.51204	2.14527	0.05113	-0.16411	-0.00697
12	12.5	0	7	-0.70566	2.48947	-0.21432	0.65356	-0.53126	2.11649	0.01526	-0.02822	0.03265
13	12.5	-1	7	-0.81036	2.30879	-0.18821	0.55433	-0.68286	2.00465	-0.02166	0.01297	0.54524
14	12.5	-2	7	-0.80792	2.40756	-0.16811	0.52096	-0.63144	2.61723	-0.08048	-0.00499	-0.30457
15	12.5	-3	7	-0.80111	2.52144	-0.02846	0.46185	-0.8062	1.99222	-0.01516	-0.0158	0.05155
16	12.5	-3	6	-0.69947	2.06725	-0.06531	0.46663	-0.87198	2.0671	-0.06817	0.05358	-0.06158
17	12.5	-2	6	-0.58234	2.05645	-0.07991	0.50147	-0.76185	2.08392	-0.00869	-0.00883	0.1311
18	12.5	-1	6	-0.40258	2.04728	-0.2151	0.62517	-0.73471	2.00614	-0.05029	-0.05726	0.23451
19	12.5	0	6	-0.18337	1.9253	-0.37364	0.74234	-0.71235	1.94046	-0.08257	-0.06023	0.06506
20	12.5	1	6	0.53295	1.92116	-0.50996	0.93854	-0.59023	1.69499	-0.2161	-0.01316	0.22829
21	12.5	2	6	0.94656	2.00722	-0.54389	1.00441	-0.49913	1.76717	-0.16188	-0.02145	0.43456
22	12.5	3	6	1.66036	1.88362	-0.53792	1.05943	-0.31047	1.78869	-0.15628	0.08624	0.43071
23	12.5	4	6	1.6781	2.08623	-0.46552	1.17174	-0.25931	1.72503	-0.00703	0.00297	0.56362
24	12.5	5	6	1.70179	2.25394	-0.35095	1.14992	-0.35652	1.69887	-0.05677	0.06746	0.81867
25	12.5	6	6	1.36936	2.4492	-0.40613	1.17389	-0.36318	2.05758	0.14541	-0.13802	0.64139
26	12.5	7	6	1.00601	2.44855	-0.32157	1.14679	-0.26449	1.9611	0.1539	0.02387	0.6571
27	12.5	8	6	0.4199	2.34851	-0.0934	1.05414	-0.2957	2.10504	0.00688	-0.07586	0.23875
28	12.5	9	6	-0.13463	2.1015	-0.01509	0.91771	-0.47319	1.97947	0.11202	0.01788	0.48749
29	12.5	10	6	-0.47437	2.5422	-0.08771	0.67933	-0.74373	2.17612	-0.06768	0.04951	0.16822
30	12.5	11	6	-0.51425	2.48308	-0.09563	0.59772	-0.64444	1.97906	0.05695	-0.04149	-0.08498
31	12.5	11	5	-0.46598	2.15756	-0.07879	0.63061	-0.67661	2.24306	0.01944	0.04532	0.2364
32	12.5	10	5	-0.12671	2.22342	-0.05106	0.81223	-0.52974	2.18776	0.03776	0.14588	0.3048
33	12.5	9	5	0.54048	2.4868	-0.05308	1.00021	-0.26857	2.10869	0.15575	0.11493	0.50339
34	12.5	8	5	1.40098	2.89377	-0.04276	1.24525	-0.18644	2.03811	0.18319	-0.18362	0.73843
35	12.5	7	5	2.14267	3.02757	-0.20762	1.28726	-0.02797	2.05441	0.26888	-0.05614	0.95233
36	12.5	6	5	2.53011	3.02363	-0.23664	1.2572	-0.13493	1.86917	0.31034	-0.01964	0.79268
37	12.5	5	5	2.67278	2.87481	-0.31067	1.21378	-0.23553	1.86903	-0.02119	0.08092	0.55131
38	12.5	4	5	2.95349	2.82091	-0.38669	1.19007	-0.23967	1.68703	0.03334	0.06559	0.72156
39	12.5	3	5	2.75248	2.83343	-0.38927	1.23773	-0.30901	1.66757	-0.13652	-0.06064	0.54372
40	12.5	2	5	2.10656	2.78264	-0.36514	1.24478	-0.28595	1.79492	-0.20247	0.1206	0.51907
41	12.5	1	5	1.23019	2.79443	-0.57641	1.22147	-0.45226	1.90923	-0.45044	0.11818	0.62493
42	12.5	0	5	0.68206	2.64328	-0.61805	1.10711	-0.65568	2.04045	-0.31006	0.09642	0.60283
43	12.5	-1	5	0.17569	2.45792	-0.38858	0.92944	-0.84691	2.01576	-0.11963	-0.00799	0.46133
44	12.5	-2	5	-0.50687	2.66099	-0.21941	0.68688	-0.87275	2.06006	0.00207	0.00936	0.44743
45	12.5	-3	5	-0.58206	2.47963	-0.06904	0.53005	-0.86178	1.92125	0.06837	0.01894	0.13071

46	12.5	-3	4	-0.45409	2.43783	-0.14613	0.7125	-0.78225	1.86553	-0.06332	0.02541	0.30688
47	12.5	-2	4	0.18458	2.6468	-0.33808	0.96424	-0.59006	1.68842	-0.13495	-0.0262	0.13559
48	12.5	-1	4	1.24023	2.71314	-0.54409	1.15215	-0.51486	1.7771	-0.26138	-3.22451E-4	0.51332
49	12.5	0	4	2.08747	2.92891	-0.61477	1.2216	-0.40016	1.86467	-0.41767	0.30506	0.50124
50	12.5	1	4	3.2103	2.68133	-0.48695	1.25377	-0.32912	1.77401	-0.43356	0.11183	0.9152
51	12.5	2	4	4.33844	2.54102	-0.32684	1.23945	-0.25185	1.65234	-0.28006	0.10974	0.69333
52	12.5	3	4	4.80633	2.59163	-0.26031	1.10802	-0.19295	1.61379	-0.31228	-0.04903	0.4323
53	12.5	4	4	4.62584	3.03164	-0.23402	0.99485	-0.07788	1.6187	-0.17196	-0.06944	0.3432
54	12.5	5	4	4.53084	3.07948	-0.19888	1.00556	-0.18693	1.6854	0.04484	0.06482	0.07433
55	12.5	6	4	5.09134	2.49575	-0.15103	1.02297	0.07229	1.44664	-0.07275	-0.02642	0.37767
56	12.5	7	4	4.6583	2.40396	0.0063	1.10948	0.09667	1.58048	0.35195	-0.08922	0.55646
57	12.5	8	4	3.09499	2.25316	-0.02556	1.26972	0.1002	1.97209	0.56689	-0.11201	0.62181
58	12.5	9	4	1.34123	2.50222	0.00747	1.15783	-0.21911	1.96575	0.37565	-0.02421	0.48696
59	12.5	10	4	0.24907	2.13285	0.04366	0.8983	-0.53799	2.0801	0.11783	0.22215	0.39101
60	12.5	11	4	-0.25234	1.93091	-0.05974	0.68908	-0.65782	1.84209	0.10889	-3.36167E-4	-0.08405
61	12.5	11	3	-0.34201	2.04566	-0.05931	0.70621	-0.60241	2.03408	0.15431	0.03949	-0.09916
62	12.5	10	3	0.29035	2.32554	0.02083	0.87215	-0.38081	2.0357	0.32666	0.17992	0.12375
63	12.5	9	3	1.40129	2.60014	0.0647	1.06863	-0.12477	2.04486	0.42969	-0.00894	0.0205
64	12.5	8	3	2.96234	2.93239	0.11907	1.09106	0.00852	1.85802	0.41689	-0.03125	-0.09097
65	12.5	7	3	4.54911	3.38723	-0.05527	0.94448	0.18716	1.83459	0.29771	-0.10595	4.14182E-4
66	12.5	6	3	5.31041	3.3756	-0.10215	0.81735	0.10315	1.59043	-0.14752	-0.11097	0.41272
67	12.5	5	3	5.55394	3.11413	-0.23913	0.76454	0.02208	1.57741	0.03613	-0.02822	-0.1869
68	12.5	4	3	5.31084	3.23039	-0.34319	0.7341	-0.20239	1.43866	-0.11723	-0.01209	0.1837
69	12.5	3	3	5.53461	3.01829	-0.33224	0.79821	-0.15977	1.45544	-0.01562	-0.04238	0.47822
70	12.5	2	3	5.52553	2.73734	-0.46753	0.90596	-0.15988	1.59466	-0.20825	-0.1541	0.25209
71	12.5	1	3	5.19299	2.72865	-0.63793	1.07724	-0.2269	1.70063	-0.25487	0.03285	0.23213
72	12.5	0	3	4.15481	2.53206	-0.72108	1.09931	-0.28509	1.80717	-0.30515	0.01606	0.50128
73	12.5	-1	3	2.57959	2.5242	-0.76096	1.18398	-0.39674	1.94735	-0.66695	0.01073	0.47217
74	12.5	-2	3	1.42852	2.29655	-0.69048	1.11833	-0.58411	1.87565	-0.45133	-0.04599	0.37186
75	12.5	-3	3	0.01145	2.01967	-0.21454	0.87932	-0.99065	1.88464	-0.11605	0.00778	-0.11576
76	12.5	-3	2	0.36835	2.08073	-0.19421	0.98158	-0.95407	1.73617	-0.25775	-0.05845	0.05741
77	12.5	-2	2	1.64176	2.45165	-0.68304	1.1398	-0.63513	1.95789	-0.49005	-0.21856	0.24526
78	12.5	-1	2	3.05494	2.75394	-0.967	1.15364	-0.33625	1.81094	-0.5819	-0.1256	-0.11176
79	12.5	0	2	4.589	2.57705	-0.93714	1.11485	-0.21182	1.73848	-0.26619	-0.11737	-0.17162
80	12.5	1	2	5.35622	2.92713	-0.74826	1.00292	4.9007E-5	1.60261	-0.27408	-0.01634	0.03058
81	12.5	2	2	6.32364	2.29789	-0.50513	0.88974	-0.00915	1.73808	-0.1841	0.10799	-0.33689
82	12.5	3	2	6.28227	2.5301	-0.32274	0.78092	-0.03481	1.31419	-0.13768	0.08054	0.10429
83	12.5	4	2	6.29216	2.50887	-0.28264	0.74671	-0.08494	1.42467	-0.03469	0.08542	-4.33519E-4
84	12.5	5	2	5.76906	2.66924	-0.22519	0.78165	-0.01776	1.44833	0.01884	-0.06308	-0.20303
85	12.5	6	2	5.46515	2.21515	-0.15541	0.92531	0.03145	1.56057	0.17971	0.03621	-0.23684
86	12.5	7	2	4.52842	2.23418	-0.01315	1.05961	-0.01374	1.67654	0.39902	0.00732	-0.30157
87	12.5	8	2	3.04366	2.17072	0.07111	1.09393	-0.05812	1.86536	0.30088	0.17794	-0.15616
88	12.5	9	2	1.55874	2.05884	0.00196	1.04817	-0.20032	1.93267	0.40695	0.21093	-0.01494
89	12.5	10	2	0.65179	1.76055	-0.04159	0.90776	-0.70885	1.9133	0.2719	0.06756	0.07283
90	12.5	11	2	-0.20618	1.65368	-0.12112	0.67528	-0.83746	1.91964	0.01728	-0.08425	0.00833
91	12.5	11	1	-0.13235	1.66822	-0.13509	0.69241	-0.65995	2.04958	0.06392	0.03519	0.02383
92	12.5	10	1	0.26178	1.86223	-0.11758	0.82731	-0.61811	1.82399	0.22629	0.09801	0.00759
93	12.5	9	1	0.97719	1.7162	-0.08947	0.95341	-0.38536	1.95698	0.20254	0.14913	-0.18592
94	12.5	8	1	1.7246	2.0307	0.09876	0.98005	-0.17478	1.89095	0.27513	0.17581	-0.13919
95	12.5	7	1	2.56098	2.06569	0.04275	1.12315	-0.03447	1.67514	0.24196	0.19563	-0.30519
96	12.5	6	1	3.67819	2.21583	-0.01565	1.11702	0.04029	1.58776	0.22022	0.14398	-0.15199
97	12.5	5	1	4.98813	1.90889	-0.09909	1.03577	-0.11367	1.49329	0.09798	0.08381	-0.33264
98	12.5	4	1	5.35518	2.28936	-0.06867	1.06276	-0.24573	1.40144	-0.14089	0.20365	-0.24212

99	12.5	3	1	4.9337	2.49539	-0.22285	1.16508	-0.15959	1.66315	-0.28881	0.27389	-0.87603
100	12.5	2	1	4.54405	2.2631	-0.53874	1.20802	-0.10947	1.66359	-0.31908	0.09905	-0.75294
101	12.5	1	1	4.02449	2.26868	-0.71521	1.23937	-0.04356	1.74479	-0.35159	-0.04827	-0.57591
102	12.5	0	1	3.3198	2.5708	-0.79517	1.15977	-0.07999	1.7611	-0.42401	-0.04712	-0.50244
103	12.5	-1	1	2.69843	2.47082	-0.88596	1.18059	-0.40806	1.78988	-0.53927	-0.18483	-0.41928
104	12.5	-2	1	1.67365	2.05841	-0.58833	1.18053	-0.76721	1.82681	-0.41732	0.06714	-0.18873
105	12.5	-3	1	0.54633	1.6864	-0.00384	1.01412	-1.05462	1.90214	-0.35321	0.07867	-0.11095
106	12.5	-3	0	0.42547	1.89953	0.27373	0.93805	-1.16737	1.81366	-0.31759	0.04071	0.0073
107	12.5	-2	0	0.93384	2.12252	-0.11129	1.08796	-0.75216	1.90558	-0.2697	0.00421	-0.32013
108	12.5	-1	0	1.75573	2.00273	-0.35608	1.20135	-0.68285	1.87976	-0.46206	0.03915	-0.61741
109	12.5	0	0	1.76549	2.11132	-0.4438	1.18196	-0.24478	2.05757	-0.21706	-0.06173	-0.32598
110	12.5	1	0	1.87127	2.18738	-0.50529	1.15334	-0.06215	1.97068	-0.15424	0.06458	-0.34339
111	12.5	2	0	1.99216	2.17941	-0.46392	1.23704	0.12101	2.05687	-0.2066	0.00782	-0.34671
112	12.5	3	0	2.41468	2.3277	-0.36427	1.33312	8.93114E-4	1.66369	-0.33785	-0.01677	-0.52552
113	12.5	4	0	3.16373	2.27711	-0.22952	1.25501	-0.14959	1.76413	-0.26868	0.13854	-0.34333
114	12.5	5	0	3.02325	2.23617	0.04357	1.19387	-0.33494	1.64608	0.03855	-0.02214	-0.34866
115	12.5	6	0	2.31391	1.98213	0.14568	1.12673	-0.07499	1.94301	0.15223	0.09919	-0.05383
116	12.5	7	0	1.34624	2.01645	0.15734	1.06116	-0.11235	1.93318	0.28014	0.24153	-0.04279
117	12.5	8	0	0.67722	1.97641	0.05718	0.96498	-0.11212	2.12715	0.13391	0.11823	-0.00795
118	12.5	9	0	0.35265	1.84966	-0.0726	0.82287	-0.41509	2.01425	0.21621	0.17489	-0.14686
119	12.5	10	0	0.0254	1.83768	-0.20491	0.68638	-0.67924	2.12133	0.02486	0.02131	0.24929
120	12.5	11	0	-0.22118	1.65908	-0.24277	0.56802	-0.62764	2.00755	0.0863	0.11989	0.01143
121	12.5	11	-1	-0.26037	1.82378	-0.23436	0.55916	-0.55852	2.06118	0.00174	0.00329	-0.15522
122	12.5	10	-1	-0.26539	1.80468	-0.21842	0.65775	-0.65152	2.08019	0.09475	0.02537	0.09248
123	12.5	9	-1	0.01498	2.10037	-0.07633	0.74218	-0.38097	2.02219	-0.02659	0.00269	-0.19248
124	12.5	8	-1	-0.00499	2.28883	-0.01491	0.79669	-0.27513	2.09996	0.07683	0.18508	-0.05962
125	12.5	7	-1	0.26018	2.26075	0.08089	0.94708	-0.06144	1.98141	0.07775	0.13115	-0.14612
126	12.5	6	-1	0.88577	2.30963	0.0818	0.99901	-0.17952	2.12267	0.16944	0.12152	-0.12772
127	12.5	5	-1	1.01266	2.54212	0.05713	1.06551	-0.16829	2.05422	-0.06419	-0.00535	-0.36907
128	12.5	4	-1	1.06657	2.32951	-0.11548	1.04765	-0.14749	2.023	-0.10788	0.05833	-0.13826
129	12.5	3	-1	0.63445	2.4074	-0.08375	1.02652	0.13343	1.94967	-0.18634	0.08276	-0.08743
130	12.5	2	-1	0.66047	2.28472	-0.09628	0.99171	0.05066	2.08916	-0.00898	0.02553	-0.12719
131	12.5	1	-1	0.71581	2.25939	-0.04903	1.01023	-0.089	2.06406	-0.03568	0.01305	0.05869
132	12.5	0	-1	0.88709	2.46817	0.0711	1.01306	-0.32217	2.04302	0.02212	-0.02369	-0.19407
133	12.5	-1	-1	0.88071	2.43201	0.12085	1.03694	-0.70146	2.07328	-0.04201	-0.08079	-0.05241
134	12.5	-2	-1	0.52336	2.35213	0.24822	0.91229	-0.92606	1.8579	-0.20517	-0.03583	-0.1699
135	12.5	-3	-1	0.13673	2.21879	0.45299	0.86329	-1.08309	1.84836	-0.21216	0.07323	0.00616
136	12.5	-3	-2	-0.40353	2.19711	0.59687	0.70312	-0.80202	1.89917	0.05415	0.03765	-0.07329
137	12.5	-2	-2	0.10235	2.38119	0.53634	0.79983	-0.84915	2.0388	-0.01757	-0.05123	-0.15088
138	12.5	-1	-2	0.46711	2.30836	0.63978	0.90026	-0.65888	2.08234	-0.11885	0.07395	-0.10243
139	12.5	0	-2	0.59871	2.36006	0.59169	0.95442	-0.34533	2.04467	0.04363	-0.02262	-0.00611
140	12.5	1	-2	0.51472	1.87501	0.4178	0.90897	-0.21516	2.33046	-0.01984	-0.0616	0.34391
141	12.5	2	-2	0.36619	1.85645	0.3712	0.81453	-0.10485	2.26235	0.06312	-0.05444	-0.06735
142	12.5	3	-2	0.03607	1.9916	0.29889	0.76817	-0.07175	2.30881	-0.02452	0.07243	0.26014
143	12.5	4	-2	0.01898	1.91639	0.08387	0.73965	-0.18636	2.28574	0.0339	-0.05692	-0.11889
144	12.5	5	-2	-0.02832	1.89257	0.08702	0.7404	-0.25844	2.12641	-0.05738	-0.03809	-0.24647
145	12.5	6	-2	-0.28501	2.08035	0.06112	0.70156	-0.34062	2.35127	0.00787	0.11039	0.21293
146	12.5	7	-2	0.01566	2.10338	-0.09042	0.75849	-0.2579	2.16441	-0.08284	0.01005	0.11194
147	12.5	8	-2	-0.31528	2.34959	-0.19994	0.75962	-0.29988	2.18548	0.0556	0.07168	0.14609
148	12.5	9	-2	-0.2738	2.11976	-0.18391	0.57941	-0.44288	2.12601	0.01225	0.05673	-2.24113E-4
149	12.5	10	-2	-0.51906	2.42951	-0.20227	0.62453	-0.55329	2.46836	-0.05646	0.06621	-0.00497
150	12.5	11	-2	-0.72629	2.40682	-0.23048	0.58855	-0.51549	2.45883	0.05403	0.02345	0.15446
151	12.5	11	-3	-0.68081	2.14473	-0.19795	0.5807	-0.41224	1.91835	-0.05784	0.08785	0.17823

152	12.5	10	-3	-0.56326	2.3922	-0.20055	0.59156	-0.47673	2.24983	0.02328	0.13558	0.23144
153	12.5	9	-3	-0.5634	2.24098	-0.21115	0.60182	-0.51636	1.92934	0.04263	0.04508	0.32233
154	12.5	8	-3	-0.61938	2.35619	-0.20983	0.66403	-0.38555	2.07246	-0.01067	0.14648	-0.06698
155	12.5	7	-3	-0.27897	1.96145	-0.09488	0.62673	-0.43429	2.36356	-0.02255	0.02794	0.02551
156	12.5	6	-3	-0.45705	2.0821	0.03551	0.65422	-0.34266	2.53338	0.05622	-0.00849	0.08872
157	12.5	5	-3	-0.39563	2.23187	0.08226	0.64523	-0.31187	2.34919	0.04889	0.08637	0.27029
158	12.5	4	-3	-0.23634	2.18601	0.189	0.63673	-0.20975	2.46841	-0.0382	0.01976	-0.15509
159	12.5	3	-3	-0.20619	2.17834	0.35975	0.71956	-0.17721	2.39957	0.01643	0.04793	0.4527
160	12.5	2	-3	-0.15262	2.24477	0.53498	0.76111	-0.12575	2.15993	0.09722	-0.05552	0.24529
161	12.5	1	-3	-0.0923	2.19429	0.65412	0.80957	-0.2408	2.14768	0.09697	-0.05088	0.12582
162	12.5	0	-3	0.26539	1.90024	0.74893	0.78582	-0.3557	2.12073	0.09439	0.00637	-0.05998
163	12.5	-1	-3	0.30002	1.75875	0.79032	0.81324	-0.69956	2.29549	0.07554	-0.03397	0.13582
164	12.5	-2	-3	-0.01045	1.76461	0.52023	0.71895	-0.66492	2.33771	0.06294	0.00533	-0.10428
165	12.5	-3	-3	-0.42701	1.84666	0.51777	0.55356	-0.62204	2.13925	-0.01744	0.00728	0.12685
166	12.5	-3	-4	-0.35264	1.93009	0.58708	0.63146	-0.82101	2.11122	0.04746	0.00783	-0.12807
167	12.5	-2	-4	-0.32628	1.91594	0.52485	0.7048	-0.75842	2.11335	0.00367	-0.07469	0.10506
168	12.5	-1	-4	-0.22211	1.94667	0.72109	0.65857	-0.76398	2.11558	-0.056	-0.06626	0.1903
169	12.5	0	-4	-0.08592	2.02022	0.71756	0.72202	-0.68953	2.19458	0.04646	-0.02618	0.2848
170	12.5	1	-4	-0.20883	1.90208	0.64696	0.72197	-0.43439	2.43537	0.02307	0.01232	0.1944
171	12.5	2	-4	-0.03885	1.80778	0.55839	0.69344	-0.42146	2.30812	0.06275	0.10109	-0.05022
172	12.5	3	-4	-0.10176	1.72524	0.4595	0.67796	-0.3275	2.28059	0.03311	-0.07602	0.04246
173	12.5	4	-4	-0.25879	1.75998	0.26722	0.65258	-0.11771	2.48914	0.02234	0.00588	0.0484
174	12.5	5	-4	-0.46353	1.92356	0.17948	0.62842	-0.30571	2.25481	0.0074	-0.01972	0.01285
175	12.5	6	-4	-0.51402	1.89442	0.03682	0.62449	-0.37272	2.5432	0.00645	0.0675	-0.26674
176	12.5	7	-4	-0.45324	2.07286	-0.06726	0.73862	-0.28674	2.41594	0.01177	-0.07178	0.15886
177	12.5	8	-4	-0.39497	2.01776	-0.1058	0.6403	-0.55355	2.3486	-0.00312	-0.00599	-0.20551
178	12.5	9	-4	-0.50298	2.18304	-0.21226	0.62578	-0.63284	2.12301	-0.08544	-0.0026	0.10306
179	12.5	10	-4	-0.486	2.28655	-0.19536	0.59514	-0.50553	2.21617	-0.04622	-0.01664	0.24457
180	12.5	11	-4	-0.59625	2.35412	-0.11772	0.59337	-0.60143	2.20961	0.00202	0.05994	0.37416

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	15.5	11	7	-0.58191	1.90457	-0.03741	0.62345	-0.87454	2.20749	-0.01613	-0.04534	0.09874
2	15.5	10	7	-0.45517	2.11319	-0.0306	0.64649	-0.74432	2.18089	0.01295	-0.05394	0.06791
3	15.5	9	7	-0.30003	2.0161	-0.05419	0.72008	-0.47538	2.28699	-0.02134	0.0612	0.14807
4	15.5	8	7	-0.22151	2.26247	-0.01096	0.87192	-0.61991	2.12563	0.03056	0.07222	0.44491
5	15.5	7	7	0.01073	2.37751	-0.18948	0.93203	-0.59575	1.99784	0.03406	0.01486	0.32419
6	15.5	6	7	0.24015	2.37612	-0.26275	0.98039	-0.42931	1.94202	-0.15737	-0.01078	0.42994
7	15.5	5	7	0.26493	2.33072	-0.24743	0.97467	-0.2969	2.00522	-0.14896	0.00718	0.19051
8	15.5	4	7	0.16129	2.50679	-0.3114	0.93606	-0.36874	2.01429	-0.07564	-0.08153	0.48323
9	15.5	3	7	0.34213	2.16026	-0.19327	0.85424	-0.51982	1.98581	-0.10056	-0.09608	0.39306
10	15.5	2	7	0.17594	2.02525	-0.24965	0.87614	-0.5306	2.28289	-0.10519	-0.0585	0.45246
11	15.5	1	7	0.00383	1.82696	-0.31595	0.77025	-0.54688	1.84458	-0.09605	-0.0599	0.31807

12	15.5	0	7	-0.3221	1.82754	-0.18134	0.62508	-0.67155	1.9705	-0.10032	-0.11536	0.15739
13	15.5	-1	7	-0.50281	1.85838	-0.186	0.58839	-0.83838	1.98502	0.00689	-0.04971	0.21366
14	15.5	-2	7	-0.60914	1.94317	0.01616	0.53224	-0.71488	2.19608	-0.03403	0.03533	-0.11536
15	15.5	-3	7	-0.66521	1.90474	0.02566	0.50526	-0.73573	2.10373	0.01892	-0.01037	0.42035
16	15.5	-3	6	-0.62895	1.91164	0.11198	0.51178	-0.74794	2.15187	-0.03385	-0.06302	0.08966
17	15.5	-2	6	-0.49726	1.96588	-0.06705	0.61738	-0.83782	1.84991	-0.00212	0.00269	0.08161
18	15.5	-1	6	-0.14372	1.98703	-0.22351	0.78157	-0.67358	1.97671	-0.10412	0.03046	0.11807
19	15.5	0	6	0.14234	2.27549	-0.26088	0.95481	-0.53516	1.93182	-0.05544	-0.07296	0.08647
20	15.5	1	6	0.57912	2.42226	-0.41733	1.02705	-0.513	1.94931	-0.10776	0.03261	0.63924
21	15.5	2	6	1.25106	2.1514	-0.40802	1.10739	-0.4631	1.99677	-0.14239	-0.14166	0.28829
22	15.5	3	6	1.71524	2.06156	-0.39401	1.06982	-0.23369	1.73158	-0.06491	-0.10406	0.37533
23	15.5	4	6	1.67675	2.26422	-0.34405	1.09943	-0.43646	1.98591	-0.15567	0.01157	0.41679
24	15.5	5	6	1.71252	2.17704	-0.27835	1.13745	-0.28243	2.05546	0.00216	-0.19351	0.568
25	15.5	6	6	1.68516	2.36373	-0.30232	1.16533	-0.21882	2.00137	0.05652	-0.04986	0.62876
26	15.5	7	6	1.37525	2.42234	-0.16476	1.15154	-0.22403	1.98615	0.09731	-0.10631	0.63261
27	15.5	8	6	0.87007	2.25757	-0.10928	1.06778	-0.31114	2.00697	0.19883	0.02831	0.52313
28	15.5	9	6	0.35526	2.31271	0.02815	0.94658	-0.32954	1.91295	0.12417	-0.05496	0.17584
29	15.5	10	6	-0.273	2.18116	0.00557	0.77024	-0.82562	2.04338	6.47458E-5	-0.12474	0.1685
30	15.5	11	6	-0.58314	2.17259	-0.0247	0.62819	-0.71396	2.18846	0.05175	0.04474	-0.11713
31	15.5	11	5	-0.41565	2.31725	0.02602	0.67793	-0.67155	1.98035	0.03544	-0.01778	-0.17067
32	15.5	10	5	0.15409	2.34386	0.06698	0.86118	-0.60439	2.13339	0.18014	-0.01294	0.5126
33	15.5	9	5	0.95268	2.27595	0.06568	1.03689	-0.3591	2.11538	0.31413	-0.13361	0.3959
34	15.5	8	5	1.99507	2.50293	-0.04527	1.20953	-0.07018	2.07395	0.31355	-0.11604	0.89404
35	15.5	7	5	2.70424	2.61815	-0.12242	1.18037	-0.14888	1.98193	0.08664	0.03355	0.8793
36	15.5	6	5	3.08732	2.5469	-0.21694	1.1983	-0.15872	1.8353	0.09092	-0.00956	0.71152
37	15.5	5	5	3.21341	2.40384	-0.21759	1.0961	-0.19143	1.68215	-0.09226	0.04149	0.55592
38	15.5	4	5	3.12226	2.39127	-0.29199	1.12176	-0.22279	1.74312	-0.00892	-0.00776	0.58938
39	15.5	3	5	2.91346	2.37883	-0.41879	1.20756	-0.13458	1.86388	0.09472	0.13284	0.58708
40	15.5	2	5	2.71156	2.0902	-0.42084	1.19225	-0.27941	1.83596	-0.20241	0.02216	0.30852
41	15.5	1	5	1.95582	2.24993	-0.49017	1.19206	-0.4469	1.88409	-0.22185	0.1382	0.61097
42	15.5	0	5	1.31136	2.32493	-0.42304	1.10865	-0.46406	2.1403	-0.26518	0.06618	0.49136
43	15.5	-1	5	0.6736	2.28835	-0.46752	1.0665	-0.58754	2.05565	-0.14165	-0.15552	0.25505
44	15.5	-2	5	0.01613	2.16468	-0.22823	0.87845	-0.78087	1.9956	-0.04777	-0.00766	0.02842
45	15.5	-3	5	-0.45852	2.18187	0.0165	0.63543	-0.7159	2.12356	-0.03269	-0.11406	0.29228
46	15.5	-3	4	-0.18442	1.97841	-0.14683	0.84749	-0.7423	2.09762	-0.11006	-0.10383	0.2409
47	15.5	-2	4	0.89601	2.54233	-0.38342	1.03412	-0.60995	2.18398	-0.30278	-0.07784	0.3861
48	15.5	-1	4	1.77827	2.49738	-0.49795	1.15114	-0.36567	1.82659	-0.51354	-0.03649	0.48451
49	15.5	0	4	2.6981	2.57929	-0.52237	1.26841	-0.24524	1.92832	-0.51893	0.02482	0.73314
50	15.5	1	4	3.27626	2.8262	-0.59036	1.13399	-0.32148	1.8744	-0.28542	0.09512	0.62762
51	15.5	2	4	3.75972	2.79014	-0.3522	1.18727	-0.13928	1.69774	-0.25622	0.01946	0.38196
52	15.5	3	4	4.33537	2.83389	-0.3204	1.02192	-0.1565	1.75396	-0.16215	-0.02389	0.25711
53	15.5	4	4	4.52244	2.6908	-0.32393	0.91276	-0.1943	1.56437	-0.14589	0.02727	0.44012
54	15.5	5	4	4.43087	2.84188	-0.23821	0.94541	-0.19646	1.56364	0.03855	0.02163	0.396
55	15.5	6	4	4.5945	2.99088	-0.08982	0.97316	0.06894	1.78741	0.09189	-0.08358	0.83502
56	15.5	7	4	3.96658	2.93944	-0.01754	1.13571	-0.03436	1.77754	0.32728	-0.19271	0.52173
57	15.5	8	4	2.852	2.83179	0.11541	1.19062	-0.02529	1.95792	0.54413	0.0139	0.29845
58	15.5	9	4	1.45196	2.71921	0.08351	1.1361	-0.05419	1.97175	0.41077	0.01172	0.36164
59	15.5	10	4	0.48501	2.49655	0.05455	0.88888	-0.38476	2.11908	0.24181	0.06286	0.40827
60	15.5	11	4	-0.10141	2.50007	0.04002	0.7183	-0.81322	1.94911	0.07143	-0.00848	0.35011
61	15.5	11	3	0.07443	2.40596	-0.03912	0.7615	-0.60376	1.87115	0.1384	-0.00648	0.30135
62	15.5	10	3	0.52081	2.4716	-0.01079	0.93416	-0.39806	1.98188	0.40214	0.01319	0.08786
63	15.5	9	3	1.57097	2.55838	0.02663	1.06869	-0.20264	1.9165	0.41697	0.08235	0.24502
64	15.5	8	3	2.83896	2.9128	0.10662	1.09149	0.08774	1.90159	0.52593	0.05695	0.30485

65	15.5	7	3	4.00547	3.27733	0.07031	0.99107	0.18547	1.72376	0.16311	0.0446	0.08411
66	15.5	6	3	4.95886	3.18567	-0.1204	0.88769	0.05878	1.70337	0.13359	-0.02772	0.08692
67	15.5	5	3	5.06607	3.19395	-0.13458	0.76597	-0.03873	1.60279	-0.06373	-0.01762	0.12733
68	15.5	4	3	5.24967	3.08194	-0.26231	0.75929	-0.01384	1.58329	0.0181	0.03371	-0.01051
69	15.5	3	3	5.07041	3.21217	-0.32993	0.79857	-0.04057	1.45497	-0.10008	-0.0203	0.34575
70	15.5	2	3	4.96343	3.25095	-0.4538	0.91247	-0.14885	1.63027	-0.08579	0.01968	0.35687
71	15.5	1	3	4.33002	3.2593	-0.58333	1.03204	-0.11342	1.81732	-0.27228	0.04256	0.36074
72	15.5	0	3	3.95283	2.78735	-0.71943	1.12098	-0.2843	1.86412	-0.57184	-0.02497	0.77426
73	15.5	-1	3	2.71033	2.87479	-0.78531	1.16707	-0.21821	1.81408	-0.39662	0.05001	0.25915
74	15.5	-2	3	1.65449	2.53379	-0.65076	1.20896	-0.44299	1.91855	-0.43133	-0.04103	0.37901
75	15.5	-3	3	0.22151	2.39791	-0.25631	0.97817	-0.71353	1.8736	-0.17726	-0.04708	0.00376
76	15.5	-3	2	0.71149	2.41942	-0.39024	1.15213	-0.81351	1.87385	-0.55232	-0.083	0.32998
77	15.5	-2	2	2.17631	2.172	-0.61896	1.17054	-0.60797	1.81463	-0.41598	-0.10795	0.13732
78	15.5	-1	2	2.97823	2.69553	-0.8937	1.15119	-0.25775	1.75701	-0.41317	0.06014	-0.02984
79	15.5	0	2	4.16977	2.73152	-0.89366	1.16558	-0.21706	1.7798	-0.24267	-0.03313	-0.29406
80	15.5	1	2	4.90461	2.65019	-0.66673	1.06021	-0.10009	1.78393	-0.15703	-0.04824	-0.42002
81	15.5	2	2	5.31331	2.61015	-0.46876	1.01295	-0.03898	1.67008	-0.13373	0.05312	-0.16725
82	15.5	3	2	5.75139	2.47848	-0.26407	0.89165	-0.02503	1.4418	-0.05198	0.00862	-0.04992
83	15.5	4	2	5.73327	2.30001	-0.20811	0.81538	-0.1123	1.40366	-0.06316	0.13334	-0.04395
84	15.5	5	2	5.48069	2.39163	-0.22383	0.86531	-0.02069	1.53134	0.06304	0.01328	-0.21877
85	15.5	6	2	4.5715	2.61085	-0.11216	1.02436	0.08083	1.66026	0.22248	0.09623	-0.24836
86	15.5	7	2	3.42957	2.67897	0.01162	1.09	-0.02692	1.74983	0.43003	-0.00695	-0.37006
87	15.5	8	2	2.00919	2.83664	-0.05009	1.11647	8.58039E-4	2.06437	0.30972	0.13883	0.02158
88	15.5	9	2	1.24409	2.53027	0.01797	1.05435	-0.18554	2.0429	0.30652	0.10976	0.07029
89	15.5	10	2	0.52566	2.39505	-0.03252	0.89763	-0.42722	1.86469	0.35669	0.08292	0.1869
90	15.5	11	2	-0.28094	2.41141	-0.10225	0.78874	-0.93038	2.08892	0.27486	0.12941	0.38331
91	15.5	11	1	-0.26016	2.35251	-0.12571	0.67471	-0.77526	1.89247	0.11259	-0.004	0.18685
92	15.5	10	1	0.09126	2.48444	-0.08506	0.86699	-0.48729	1.95418	0.12211	0.18309	-0.08679
93	15.5	9	1	0.86829	2.36265	0.00904	0.96282	-0.14471	1.85822	0.24326	0.14552	0.14802
94	15.5	8	1	1.38822	2.43755	0.07972	1.03561	-0.01965	1.96622	0.25251	0.14591	-0.07865
95	15.5	7	1	2.24073	2.49462	0.08979	1.09938	-0.03927	1.66008	0.23251	0.14916	-0.381
96	15.5	6	1	3.09706	2.49763	0.02488	1.10833	0.05625	1.62124	0.21266	0.10212	-0.37872
97	15.5	5	1	4.03802	2.4638	-0.06299	1.08414	-0.10944	1.53434	0.13946	0.09126	-0.36438
98	15.5	4	1	4.63207	2.41446	-0.1318	1.06806	-0.02163	1.61757	-0.12095	0.04958	-0.14683
99	15.5	3	1	4.03924	2.69295	-0.34025	1.1506	-0.11436	1.65742	-0.2757	-0.06804	-0.45077
100	15.5	2	1	3.51976	2.60917	-0.54052	1.20138	0.01666	1.74322	-0.41671	-0.00349	-0.62092
101	15.5	1	1	3.13962	2.80823	-0.71271	1.16432	-0.07638	1.7987	0.01869	0.01558	-0.54442
102	15.5	0	1	2.62219	2.85884	-0.8862	1.16762	-0.10543	1.97783	-0.38417	-0.07174	-0.442
103	15.5	-1	1	2.07114	2.77833	-0.70727	1.25022	-0.25647	1.85545	-0.33432	-0.04601	-0.32596
104	15.5	-2	1	1.57769	2.64765	-0.41163	1.15271	-0.60233	1.96156	-0.65429	0.08971	-0.08892
105	15.5	-3	1	0.78607	2.38749	-0.2462	1.13032	-1.0265	1.79261	-0.55249	-0.00879	-0.06165
106	15.5	-3	0	0.58961	2.59957	-0.10181	1.08272	-1.04436	1.90744	-0.38104	0.10051	0.24767
107	15.5	-2	0	1.11272	2.47236	-0.18422	1.12292	-0.72576	1.79931	-0.23221	-0.04528	-0.13218
108	15.5	-1	0	1.2175	2.90286	-0.38552	1.13916	-0.48848	2.11345	-0.0837	0.07686	-0.24045
109	15.5	0	0	1.34559	2.81699	-0.60018	1.13693	-0.11359	1.89646	-0.09007	0.03404	-0.51002
110	15.5	1	0	1.35038	2.63838	-0.58136	1.17718	0.0412	2.02928	0.08027	0.06452	-0.1068
111	15.5	2	0	1.51432	2.69809	-0.48247	1.19062	0.10345	1.82627	-0.20195	0.10055	-0.37293
112	15.5	3	0	1.87395	2.70712	-0.39934	1.19082	0.16011	1.78485	-0.2789	0.08038	-0.37214
113	15.5	4	0	2.26542	2.86514	-0.18619	1.17159	-0.07727	1.61402	-0.17613	-0.02681	-0.94752
114	15.5	5	0	2.37663	2.69415	0.0368	1.16896	-0.15392	1.9464	0.03239	0.15398	-0.41485
115	15.5	6	0	1.78584	2.50363	0.07591	1.12212	-0.13175	1.93501	0.1904	0.11793	0.03176
116	15.5	7	0	1.20319	2.23149	0.00226	1.01593	-0.19623	1.92848	0.06907	0.0185	-0.14822
117	15.5	8	0	0.68073	2.16096	-0.00626	0.93466	-0.30473	2.03675	0.12105	0.08281	0.10711

118	15.5	9	0	0.5271	2.11351	-0.11976	0.75385	-0.45445	1.76168	0.05464	-0.07645	0.13474
119	15.5	10	0	0.20109	2.22448	-0.17677	0.78641	-0.55258	2.14718	0.06372	0.02727	0.15323
120	15.5	11	0	-0.17662	1.98876	-0.19699	0.63085	-0.57577	2.14316	0.05294	0.05638	0.01368
121	15.5	11	-1	-0.15335	2.2249	-0.17483	0.64916	-0.45595	2.0369	0.08814	0.09106	0.00968
122	15.5	10	-1	-0.24036	2.04758	-0.2112	0.66477	-0.50618	1.88854	0.06374	-0.03733	-0.08696
123	15.5	9	-1	0.08143	2.09849	-0.13788	0.79407	-0.48067	2.01749	-0.05216	0.0491	0.0995
124	15.5	8	-1	0.32524	1.99113	-0.09139	0.80463	-0.35372	2.04789	0.04409	0.02159	0.04727
125	15.5	7	-1	0.51881	2.08403	-0.0781	0.91941	-0.28655	2.19177	0.08509	-0.03447	0.10709
126	15.5	6	-1	0.82052	2.10601	0.01251	0.96702	-0.13084	1.94539	0.09406	-0.07202	-0.13328
127	15.5	5	-1	1.16182	2.07571	-0.05337	0.99715	-0.1981	1.91191	-0.07136	0.02511	-0.2409
128	15.5	4	-1	0.9992	2.3686	-0.18987	1.05518	0.0552	1.93453	-0.12947	0.20683	-0.08062
129	15.5	3	-1	0.7658	2.22743	-0.24844	1.01272	0.1143	2.18678	-0.19435	0.08713	0.0567
130	15.5	2	-1	0.73427	2.22383	-0.21288	1.04511	0.01787	2.02704	-0.01808	0.11678	0.06772
131	15.5	1	-1	0.66622	2.08047	-0.23424	0.98632	-0.02632	2.21602	-0.06739	0.0616	-0.22254
132	15.5	0	-1	1.00107	2.05016	-0.16145	1.07177	-0.32156	1.93589	-0.02664	0.00554	-0.04315
133	15.5	-1	-1	0.83908	2.21462	0.02163	1.06389	-0.45196	1.99307	-0.16108	0.027	-0.10152
134	15.5	-2	-1	0.84776	2.21496	0.19915	1.00869	-0.81109	1.75064	-0.28527	-0.01277	-0.11644
135	15.5	-3	-1	0.19812	2.39687	0.30426	0.92181	-1.0244	1.82699	-0.29985	0.18887	-0.20894
136	15.5	-3	-2	-0.13968	2.54955	0.47444	0.71756	-0.86388	1.90999	-0.09985	0.0216	-0.00754
137	15.5	-2	-2	0.28116	2.68946	0.39488	0.88499	-0.70664	2.12455	-0.02765	-0.01838	-0.03905
138	15.5	-1	-2	0.18933	2.64036	0.39575	0.9262	-0.39315	1.98762	-0.05073	-0.02531	-0.16318
139	15.5	0	-2	0.18532	2.79256	0.3008	1.00292	-0.26446	2.15068	-0.07868	-0.06738	0.0701
140	15.5	1	-2	0.30098	2.53069	0.14207	0.91193	-0.04961	2.28807	-0.16617	-0.04989	0.33834
141	15.5	2	-2	-0.05525	2.4849	0.13755	0.80654	0.08456	2.21013	0.07818	0.07658	0.26064
142	15.5	3	-2	-0.01571	2.56648	0.0972	0.76556	0.12873	2.18917	0.06587	0.00311	0.46238
143	15.5	4	-2	-0.0727	2.04314	0.0036	0.75019	-0.11622	2.39243	-0.07085	-0.00465	0.12251
144	15.5	5	-2	0.05422	2.09743	0.02188	0.7474	-0.20554	2.09427	0.05697	0.01782	-0.14462
145	15.5	6	-2	-0.04636	2.23859	-0.01973	0.74162	-0.22989	2.2989	-0.02331	0.00366	0.13323
146	15.5	7	-2	-0.1933	2.20701	-0.07518	0.75321	-0.19557	2.36762	-0.01805	0.05314	0.07438
147	15.5	8	-2	-0.21642	2.25958	-0.18137	0.72866	-0.34645	2.31846	-0.02936	0.01787	-0.15196
148	15.5	9	-2	-0.35162	2.36215	-0.21827	0.637	-0.48738	2.15509	0.02891	0.16499	0.09864
149	15.5	10	-2	-0.36792	2.43657	-0.26219	0.62925	-0.35359	2.23403	-0.03465	0.07833	0.09801
150	15.5	11	-2	-0.3817	2.65406	-0.13988	0.71872	-0.44692	2.48873	0.09184	-0.04681	-0.15705
151	15.5	11	-3	-0.29798	2.77513	-0.26791	0.61046	-0.43363	2.07925	0.02983	0.03859	0.06112
152	15.5	10	-3	-0.34319	2.5872	-0.2348	0.62467	-0.48255	2.3197	-0.02351	0.04327	0.0279
153	15.5	9	-3	-0.36832	2.42061	-0.27162	0.614	-0.24014	2.39662	0.0448	0.01014	-0.12012
154	15.5	8	-3	-0.38976	2.56545	-0.17748	0.65809	-0.2136	2.39914	0.01197	0.05841	0.33371
155	15.5	7	-3	-0.28735	2.28742	-0.28598	0.681	-0.27114	2.22739	0.0232	0.13694	0.095
156	15.5	6	-3	-0.21836	2.26768	-0.05702	0.72375	-0.15184	2.30325	-0.00119	0.00168	0.04803
157	15.5	5	-3	-0.29218	2.30576	0.04265	0.66828	-0.19594	2.29103	0.0217	0.01779	-0.16415
158	15.5	4	-3	-0.25462	2.29988	0.1353	0.81737	-0.04344	2.14144	-0.01247	0.01846	0.1989
159	15.5	3	-3	-0.06771	2.34775	0.30241	0.78908	-0.0035	2.15326	0.00685	0.10843	0.06782
160	15.5	2	-3	0.06103	2.38453	0.45139	0.83794	-0.02571	2.40293	0.00385	0.07738	0.34636
161	15.5	1	-3	0.19829	2.28614	0.47032	0.89482	-0.21556	2.172	0.04562	-0.00549	-0.31999
162	15.5	0	-3	0.29601	2.52332	0.63906	0.84212	-0.244	2.0843	0.22609	-0.05313	-0.00306
163	15.5	-1	-3	0.26126	2.36571	0.58774	0.86054	-0.46551	2.16151	-0.0903	0.02613	0.03016
164	15.5	-2	-3	0.1875	2.42306	0.55147	0.83341	-0.7987	2.02539	0.01114	0.0083	-0.0279
165	15.5	-3	-3	-0.58802	2.51502	0.50045	0.59076	-0.62902	1.85301	-0.15219	0.01493	0.20586
166	15.5	-3	-4	-0.41328	2.21231	0.62724	0.59211	-0.82586	2.16436	-4.75999E-4	0.03088	-0.13727
167	15.5	-2	-4	-0.25472	2.39901	0.57027	0.65378	-0.74901	2.16738	-0.02311	-0.04736	0.28634
168	15.5	-1	-4	-0.2691	2.5352	0.67003	0.72666	-0.53145	2.11802	0.12248	-0.05768	-0.07041
169	15.5	0	-4	-0.08565	2.51932	0.62944	0.78326	-0.48016	2.12455	-0.00381	-0.04137	0.20381
170	15.5	1	-4	-0.26414	2.62566	0.59254	0.84569	-0.19917	2.3412	0.10295	0.04512	0.22118

171	15.5	2	-4	-0.14642	2.82872	0.47457	0.85228	-0.10853	2.2342	0.11426	-0.02824	0.2763
172	15.5	3	-4	-0.35497	2.79602	0.40531	0.80528	0.09282	2.2895	0.10317	-0.03153	0.30764
173	15.5	4	-4	-0.45871	2.49184	0.16525	0.72668	0.08778	2.2101	0.04131	0.02608	0.2297
174	15.5	5	-4	-0.55435	2.75546	0.0936	0.67336	-0.1323	2.66693	-0.03707	-0.071	0.20251
175	15.5	6	-4	-0.34941	2.65979	0.05753	0.71119	-0.07111	2.18805	-0.0142	0.0843	0.16064
176	15.5	7	-4	-0.29461	2.59931	-0.1396	0.70637	-0.28007	2.46883	0.13569	0.02449	0.13148
177	15.5	8	-4	-0.42546	2.79681	-0.14876	0.77964	-0.10426	2.48472	0.02147	-0.10943	0.316
178	15.5	9	-4	-0.25524	2.70538	-0.22615	0.7231	-0.46105	2.41971	-0.0202	0.07706	0.18087
179	15.5	10	-4	-0.26031	2.65578	-0.21035	0.66232	-0.49612	2.61489	-0.01911	0.06746	0.49135
180	15.5	11	-4	-0.5112	2.55833	-0.1661	0.54153	-0.41407	2.37704	-0.02471	-0.00488	-0.11617

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	18.5	11	7	-0.62013	2.09049	0.02801	0.71913	-0.73824	1.88527	-0.05767	0.02064	0.00109
2	18.5	10	7	-0.62169	2.44831	0.00123	0.73349	-0.64983	1.99317	0.11807	0.04625	0.01339
3	18.5	9	7	-0.4218	2.84283	0.02507	0.82593	-0.53994	2.10346	0.02025	0.07413	-0.15283
4	18.5	8	7	0.03721	2.93622	-0.0764	0.97679	-0.46177	2.0875	0.06204	-0.06406	0.45245
5	18.5	7	7	0.49303	2.55838	-0.18826	1.01059	-0.32608	2.10348	0.03222	-0.06973	0.86459
6	18.5	6	7	0.63628	2.62221	-0.36039	1.09421	-0.20221	1.88243	0.09298	-0.02677	0.2569
7	18.5	5	7	0.74862	2.45234	-0.32269	1.08673	-0.3895	1.99853	-0.13263	0.12726	0.57219
8	18.5	4	7	0.29695	2.75437	-0.27197	0.93306	-0.45523	2.01968	0.01219	-0.02733	0.37437
9	18.5	3	7	0.32968	2.52831	-0.23116	0.92522	-0.42103	1.9176	-0.17333	-0.05039	0.35581
10	18.5	2	7	0.14786	2.36729	-0.23808	0.82952	-0.58353	1.92234	-0.09319	-0.09781	0.35688
11	18.5	1	7	0.16992	2.18972	-0.23879	0.87672	-0.50281	1.88102	-0.11406	-0.02314	0.51028
12	18.5	0	7	-0.47003	2.42254	-0.1748	0.75605	-0.50935	1.88982	0.00468	-0.05457	0.25783
13	18.5	-1	7	-0.49282	2.17077	-0.09326	0.64585	-0.81928	2.17748	-0.02925	-0.11411	0.21092
14	18.5	-2	7	-0.74874	2.28832	0.01728	0.5341	-0.77677	2.0169	0.01498	0.06772	0.0852
15	18.5	-3	7	-0.73086	2.31382	0.18826	0.535	-0.73624	2.26854	-0.00511	0.0305	0.2398
16	18.5	-3	6	-0.76493	2.20905	0.21386	0.61978	-0.84473	2.20422	0.04038	-0.06815	0.33246
17	18.5	-2	6	-0.30928	2.06527	-0.10389	0.74956	-0.83443	2.09971	-0.17253	-0.03059	-0.1103
18	18.5	-1	6	0.15588	2.27294	-0.28601	0.93802	-0.64114	2.05793	-0.08063	-0.0586	0.36387
19	18.5	0	6	0.58926	2.36602	-0.31774	1.00646	-0.48483	2.15624	-0.11001	0.06167	0.69589
20	18.5	1	6	0.94126	2.17264	-0.36202	1.05805	-0.46	2.08037	-0.14497	-0.086	0.46405
21	18.5	2	6	1.35301	2.30801	-0.34467	1.13069	-0.41914	1.86982	-0.07798	0.06925	0.61856
22	18.5	3	6	1.60515	2.46026	-0.3286	1.12382	-0.31207	1.82057	-0.32416	-0.06329	0.48475
23	18.5	4	6	1.52066	2.72388	-0.34782	1.18234	-0.22025	1.89998	0.12482	-0.01138	0.69787
24	18.5	5	6	1.58659	2.66602	-0.31739	1.1323	-0.36836	1.73251	-0.06966	-0.03492	0.57048
25	18.5	6	6	1.53663	2.79909	-0.27627	1.20103	-0.25325	1.7711	0.16413	-0.20656	0.30613
26	18.5	7	6	1.41575	2.87975	-0.15138	1.16203	-0.14325	1.88596	-0.09364	-0.03006	0.47027
27	18.5	8	6	0.93144	2.86595	-0.08983	1.13984	-0.05397	2.08612	0.0263	0.01209	0.01138
28	18.5	9	6	0.19517	2.9166	0.04902	1.06439	-0.51834	2.00075	-0.02988	0.04598	0.66538
29	18.5	10	6	-0.19	2.71837	0.02189	0.84172	-0.66409	2.09784	0.11232	0.09225	0.33136
30	18.5	11	6	-0.41555	2.66521	0.08106	0.71934	-0.76623	1.92506	0.02476	0.00684	0.21255

31	18.5	11	5	-0.25579	2.57168	0.03153	0.79412	-0.82068	1.92351	0.23332	0.1359	0.36022
32	18.5	10	5	0.3406	2.44714	0.15709	0.95866	-0.60395	2.05264	0.13561	-0.0268	0.27418
33	18.5	9	5	1.02031	2.60175	0.05747	1.16557	-0.39282	2.20587	0.36831	0.12614	0.54779
34	18.5	8	5	1.81523	2.77198	-0.02494	1.20282	-0.03153	1.90275	0.41669	-0.1016	0.75783
35	18.5	7	5	2.3937	2.85691	-0.09581	1.25016	-0.07802	1.92281	0.02348	0.00944	0.72732
36	18.5	6	5	2.76306	3.25102	-0.13238	1.21181	-0.09516	1.7474	0.08665	0.16218	0.63875
37	18.5	5	5	2.48197	3.43155	-0.24088	1.18704	-0.24816	1.78457	0.11926	-0.07002	0.72976
38	18.5	4	5	2.71089	2.93126	-0.29499	1.19642	-0.13763	1.77675	-0.04389	0.17003	0.59269
39	18.5	3	5	2.98543	2.46642	-0.33743	1.19924	-0.18177	1.68365	-0.142	-0.0741	0.54964
40	18.5	2	5	2.68921	2.33433	-0.43349	1.19855	-0.24506	1.91756	-0.16568	0.04921	0.84738
41	18.5	1	5	2.23661	2.23773	-0.47621	1.26155	-0.46866	1.76588	-0.13016	0.0019	0.53145
42	18.5	0	5	1.72515	2.40942	-0.47717	1.21594	-0.41934	1.84651	-0.35887	-0.01253	0.60932
43	18.5	-1	5	1.06783	2.2001	-0.39847	1.20013	-0.42789	2.03053	-0.42428	-0.08226	0.52457
44	18.5	-2	5	0.1697	2.35672	-0.25665	0.90023	-0.73597	2.07136	-0.14705	-0.04912	0.6133
45	18.5	-3	5	-0.46015	2.1454	0.02724	0.77778	-0.61327	2.1706	-0.11682	-0.13917	0.21363
46	18.5	-3	4	0.03168	2.37532	-0.18065	1.03392	-0.69207	1.97467	-0.21147	-0.15408	0.2067
47	18.5	-2	4	1.21445	2.47472	-0.48711	1.13187	-0.52623	1.84313	-0.38207	-0.03637	0.5998
48	18.5	-1	4	2.34155	2.50442	-0.57068	1.19907	-0.32308	2.03586	-0.50791	0.00746	0.67521
49	18.5	0	4	3.10312	2.69053	-0.64516	1.26788	-0.22023	1.7019	-0.59373	0.05121	0.62091
50	18.5	1	4	3.67719	2.51906	-0.57382	1.23138	-0.23203	1.85445	-0.23975	-0.09853	0.716
51	18.5	2	4	4.16449	2.54378	-0.46716	1.12484	-0.17792	1.64298	-0.21185	0.02747	0.54748
52	18.5	3	4	4.37667	2.8005	-0.32057	1.03996	-0.08773	1.67102	-0.17165	-0.04819	0.57654
53	18.5	4	4	4.63002	2.56092	-0.24468	0.97467	-0.11146	1.67782	8.6462E-4	0.15604	0.45034
54	18.5	5	4	4.60351	2.61076	-0.14101	1.01184	-0.11932	1.79235	-0.01593	0.02695	0.51085
55	18.5	6	4	4.44212	2.91963	-0.04405	1.03392	-0.03855	1.64233	0.1869	-0.13897	0.44608
56	18.5	7	4	3.86773	2.93796	0.04618	1.14459	0.09725	1.94097	0.2066	-0.07972	0.45313
57	18.5	8	4	2.57009	2.89335	0.04594	1.18392	0.02651	2.08143	0.68837	0.0513	0.29118
58	18.5	9	4	1.35193	2.72269	0.07065	1.13281	-0.13652	1.99309	0.48926	-0.173	0.02713
59	18.5	10	4	0.81828	2.59833	0.13032	0.96008	-0.49979	1.82679	0.21732	-0.02374	0.17085
60	18.5	11	4	0.16129	2.24531	0.05841	0.75446	-0.60918	2.03301	0.13922	-1.86041E-4	0.03869
61	18.5	11	3	0.17392	2.18837	0.02533	0.85252	-0.75898	1.87219	0.11171	0.05235	-0.07661
62	18.5	10	3	0.90188	2.1685	-0.00863	1.02143	-0.50444	1.88478	0.25405	0.10376	0.02804
63	18.5	9	3	1.91061	2.2434	-6.76499E-4	1.05327	-0.18998	1.99497	0.5325	0.01004	0.02489
64	18.5	8	3	2.9137	2.55894	0.06455	1.17231	-0.23226	2.07156	0.49778	0.06323	-0.06238
65	18.5	7	3	3.97683	3.01831	0.02774	1.06347	-0.07667	1.83597	0.46006	0.13032	-0.11268
66	18.5	6	3	4.57129	3.218	-0.11143	0.93457	0.1048	1.77227	0.21043	0.0831	0.1274
67	18.5	5	3	5.2965	2.66198	-0.21366	0.90128	-0.00331	1.5621	-0.04807	0.03533	0.23129
68	18.5	4	3	5.5203	2.4855	-0.23395	0.84663	-0.08258	1.49582	0.06151	-0.0574	0.0634
69	18.5	3	3	5.11344	2.9355	-0.33544	0.87954	-0.18303	1.43099	-0.11301	0.05709	0.10359
70	18.5	2	3	4.61532	3.31367	-0.45615	0.93659	-0.03425	1.65039	-0.14907	-0.00493	0.26456
71	18.5	1	3	3.81752	3.66212	-0.62582	1.10896	-0.12672	1.88073	-0.2837	0.00544	0.36212
72	18.5	0	3	3.46483	3.38917	-0.78315	1.168	-0.24042	2.00165	-0.29816	-0.18884	0.70895
73	18.5	-1	3	2.86606	3.0628	-0.76594	1.17628	-0.19854	2.05845	-0.5868	-0.04441	0.11415
74	18.5	-2	3	1.83302	2.77385	-0.57967	1.28151	-0.48879	2.01871	-0.58573	-0.12652	0.57318
75	18.5	-3	3	0.4679	2.79568	-0.48779	1.1283	-0.71148	1.95948	-0.28687	-0.12596	0.25048
76	18.5	-3	2	1.18723	2.48824	-0.38747	1.15976	-0.86391	1.81692	-0.60435	0.00691	0.29021
77	18.5	-2	2	2.30616	2.57496	-0.67313	1.17573	-0.54676	1.76545	-0.51662	-0.02175	0.07926
78	18.5	-1	2	2.88439	2.75335	-0.7855	1.19825	-0.34282	1.97923	-0.31852	-0.06104	-0.32692
79	18.5	0	2	3.41306	2.91983	-0.75711	1.21111	-0.20773	1.88726	0.01342	-0.26586	-0.16119
80	18.5	1	2	3.76382	3.28718	-0.66912	1.13708	-0.07977	1.90928	-0.17718	0.01664	-0.31743
81	18.5	2	2	3.93924	3.64151	-0.48676	1.08508	-0.07369	1.81654	-0.30454	0.07186	-0.49097
82	18.5	3	2	4.94043	3.14306	-0.35205	0.98301	-0.08441	1.72162	-0.17647	0.15034	-0.47777
83	18.5	4	2	4.6564	3.42438	-0.23051	0.92513	-0.03139	1.60872	-0.04392	0.04612	-0.1888

84	18.5	5	2	4.91095	2.70582	-0.13825	1.00512	0.02672	1.62266	0.1163	0.0612	-0.53598
85	18.5	6	2	4.16397	2.77992	-0.03843	1.10251	0.09606	1.6501	0.37444	0.11044	-0.42407
86	18.5	7	2	2.94962	2.86014	-0.02826	1.12533	0.10288	1.64273	0.44386	0.13715	-0.2816
87	18.5	8	2	2.12988	2.78706	0.07891	1.17051	-0.11841	2.06672	0.25486	0.207	-0.04118
88	18.5	9	2	1.33531	2.59484	0.08075	1.08096	-0.16676	1.96227	0.29288	0.16513	0.05419
89	18.5	10	2	0.80829	2.41914	0.01783	0.90793	-0.46721	2.22274	0.18664	-0.05987	-0.14149
90	18.5	11	2	0.09351	2.29749	-0.07376	0.78217	-0.70118	2.10002	0.15249	0.03973	0.11551
91	18.5	11	1	0.22495	1.9828	-0.11079	0.78616	-0.58606	1.59646	0.21794	-0.00447	0.06646
92	18.5	10	1	0.35828	2.74358	-0.08005	0.9298	-0.48587	2.08708	0.168	0.05418	-0.22207
93	18.5	9	1	0.83632	2.6075	-0.00697	1.03708	-0.43712	2.11494	0.23353	0.15427	0.11804
94	18.5	8	1	1.44791	2.72034	0.01919	1.14099	-0.02983	1.85382	0.08783	0.08556	0.00127
95	18.5	7	1	2.06573	2.85636	-0.02571	1.1913	0.09394	1.78552	0.28215	0.12801	-0.40469
96	18.5	6	1	2.5651	3.11788	-0.05669	1.24018	0.08815	1.86169	0.27	0.1324	-0.3293
97	18.5	5	1	3.23458	3.45315	-0.21169	1.20075	-0.03507	1.66821	0.10785	0.16205	-0.35563
98	18.5	4	1	3.43777	3.38401	-0.31795	1.21287	-0.05	1.7004	-0.04687	-0.06384	-0.061
99	18.5	3	1	3.55257	3.00176	-0.50594	1.21461	-0.05317	1.88611	-0.09816	-0.05484	-0.53264
100	18.5	2	1	2.79924	3.28859	-0.66767	1.22626	-0.02808	1.81286	-0.12791	0.04326	-0.58641
101	18.5	1	1	2.5797	3.1866	-0.82317	1.31331	0.09412	1.89074	-0.29522	-0.0187	-0.47796
102	18.5	0	1	2.71853	3.12762	-0.87049	1.24324	-0.17682	1.82745	-0.15846	-0.01033	-0.78563
103	18.5	-1	1	2.39496	2.87641	-0.79713	1.2581	-0.3593	1.8992	-0.40172	-0.09218	-0.61016
104	18.5	-2	1	1.74337	2.98878	-0.55099	1.24525	-0.54264	1.93466	-0.49098	-0.17563	-0.22337
105	18.5	-3	1	1.14956	2.89516	-0.30769	1.16671	-0.75519	1.8786	-0.59089	0.03924	0.1945
106	18.5	-3	0	0.91865	2.77588	-0.0586	1.17425	-0.85804	1.77957	-0.3485	0.09813	0.11732
107	18.5	-2	0	1.43062	2.77995	-0.29832	1.21431	-0.71747	1.92729	-0.37894	-0.02564	-0.11932
108	18.5	-1	0	1.37195	2.80131	-0.30496	1.2155	-0.22281	1.95708	-0.15636	-0.08262	-0.40188
109	18.5	0	0	1.39234	3.0375	-0.68236	1.23877	-0.19008	2.07377	-0.00203	0.1825	-0.71312
110	18.5	1	0	1.64794	2.43759	-0.72359	1.18696	-0.04643	2.14549	0.10619	0.13677	-0.28653
111	18.5	2	0	1.84906	2.34462	-0.6032	1.20482	0.01597	1.93143	-0.19094	-0.01838	-0.58
112	18.5	3	0	2.31874	2.25142	-0.62856	1.22595	0.02447	1.93432	-0.1137	0.1113	-0.77411
113	18.5	4	0	2.36629	2.39825	-0.38229	1.19934	0.02229	1.91021	0.06373	-0.07332	-0.13682
114	18.5	5	0	2.2263	2.46177	-0.13547	1.23769	-0.02206	1.74834	0.19328	-0.0277	-0.19107
115	18.5	6	0	1.84702	2.24134	-0.09236	1.19491	0.07006	2.0187	0.15378	0.01603	-0.19541
116	18.5	7	0	1.43038	2.0092	-0.04084	1.10817	0.10115	1.80749	0.25557	0.11552	-0.38122
117	18.5	8	0	1.13542	2.0295	-0.04236	1.00631	-0.25663	1.96878	0.01884	0.06366	-0.26622
118	18.5	9	0	0.64917	2.04502	-0.14547	0.97091	-0.27975	1.76064	0.23406	0.17038	-0.13208
119	18.5	10	0	0.58226	1.84458	-0.14831	0.84327	-0.4528	1.93653	0.10252	0.10169	-0.16233
120	18.5	11	0	0.17278	1.75136	-0.21295	0.78113	-0.6117	1.89969	0.12563	0.03576	0.06044
121	18.5	11	-1	-0.0259	1.88302	-0.28037	0.67057	-0.59422	1.8736	0.01522	0.04842	0.08059
122	18.5	10	-1	0.1477	1.77558	-0.14253	0.7356	-0.42185	1.85199	0.0769	0.03448	-0.09569
123	18.5	9	-1	0.31203	1.89479	-0.16349	0.78529	-0.26655	1.92114	0.0076	0.11393	-0.11042
124	18.5	8	-1	0.29159	2.05966	-0.15081	0.79351	-0.18771	1.97762	0.0579	0.00997	0.03266
125	18.5	7	-1	0.56293	2.0531	-0.12737	0.87037	-0.09057	1.73966	-0.01501	0.02244	-0.06696
126	18.5	6	-1	0.76674	1.96212	-0.069	0.92329	-0.08451	2.00324	0.11076	-0.00521	-0.19197
127	18.5	5	-1	0.91856	2.21161	-0.20129	0.963	0.00326	1.86703	0.03663	-0.06332	-0.1933
128	18.5	4	-1	1.05129	2.04576	-0.30724	1.01587	-0.00746	1.92904	0.03106	-0.03969	-0.48631
129	18.5	3	-1	0.82958	2.26693	-0.27646	1.03209	0.12881	2.01346	-0.05793	0.06844	-0.10708
130	18.5	2	-1	0.93829	2.36268	-0.40522	0.98784	0.14228	1.88232	-0.03835	0.07842	-0.2824
131	18.5	1	-1	0.86595	2.24392	-0.45019	1.03268	0.03603	1.90822	0.10447	0.01765	-0.12527
132	18.5	0	-1	1.02014	2.19755	-0.39417	1.00686	-0.03347	1.88462	0.04288	0.1216	-0.67444
133	18.5	-1	-1	1.18552	2.36808	-0.02233	1.12867	-0.37855	1.83653	-0.26569	-0.18233	-0.51821
134	18.5	-2	-1	1.14146	2.46195	0.01587	1.15176	-0.84289	1.8164	-0.18039	0.05514	-0.50598
135	18.5	-3	-1	0.92747	2.23904	0.1113	1.06635	-0.87403	1.69253	-0.326	0.10804	0.17425
136	18.5	-3	-2	0.29464	2.07298	0.43994	0.91348	-0.80206	1.85313	-0.22783	-0.00521	-0.23784

137	18.5	-2	-2	0.66779	2.26237	0.4005	0.97537	-0.73288	1.80021	-0.24671	0.05468	-0.02454
138	18.5	-1	-2	0.82768	2.24711	0.35621	0.98322	-0.56557	2.06872	-0.07234	0.06005	0.12396
139	18.5	0	-2	0.53957	2.62113	0.16782	1.06365	-0.24096	2.14548	0.07754	0.09995	0.38025
140	18.5	1	-2	0.49169	2.38503	0.10184	1.0175	-0.05107	2.16758	0.00709	0.06713	0.02578
141	18.5	2	-2	0.54903	1.8549	-0.00877	1.04312	0.1772	1.88026	-0.03869	-0.02559	0.11096
142	18.5	3	-2	0.33177	1.9254	-0.04137	0.90138	0.2562	2.03562	0.00824	0.00608	0.05296
143	18.5	4	-2	0.27008	1.9288	-0.0532	0.81663	0.03896	2.07339	0.01241	-0.00516	0.18407
144	18.5	5	-2	0.03549	2.18764	-0.10064	0.80486	-0.08835	2.18052	0.0106	0.03903	0.12843
145	18.5	6	-2	-0.02984	2.34386	-0.18244	0.75171	0.02204	2.07594	0.03559	0.03352	-0.14949
146	18.5	7	-2	-0.19212	2.42845	-0.16414	0.76355	-0.22993	2.16633	-2.88603E-4	-0.03681	0.32201
147	18.5	8	-2	-0.11439	2.11805	-0.18619	0.7799	-0.21069	2.00726	0.01405	-0.02239	-0.00739
148	18.5	9	-2	-0.03025	2.10099	-0.22115	0.75637	-0.393	2.19833	-0.03052	0.0248	0.10984
149	18.5	10	-2	-0.14981	2.03641	-0.32525	0.74747	-0.56715	1.91447	0.01781	0.01265	-0.13941
150	18.5	11	-2	-0.40108	2.08453	-0.2933	0.66358	-0.57148	1.99205	-0.00133	-0.04787	-0.0955
151	18.5	11	-3	-0.52364	2.44455	-0.23132	0.67657	-0.47565	1.7696	0.03875	0.00453	-0.26445
152	18.5	10	-3	-0.49168	2.58014	-0.22495	0.62378	-0.37086	2.09326	-0.12278	-0.00599	-0.09206
153	18.5	9	-3	-0.37983	2.69384	-0.21481	0.70792	-0.47018	2.12443	-0.00117	0.03616	0.24177
154	18.5	8	-3	-0.42034	2.87321	-0.23068	0.69717	-0.26531	2.2274	0.02156	0.04346	-0.15024
155	18.5	7	-3	-0.3274	2.27124	-0.15068	0.69603	-0.00795	2.21902	0.05472	0.04814	0.09592
156	18.5	6	-3	-0.39706	2.47669	-0.09124	0.7442	0.1961	2.25477	0.05783	0.09033	0.39226
157	18.5	5	-3	-0.3092	2.19131	-0.07244	0.71105	-0.07606	2.11789	-0.06739	-0.00892	0.30144
158	18.5	4	-3	-0.27409	2.39759	0.07188	0.71471	0.05466	2.13861	0.03359	0.07228	-0.03177
159	18.5	3	-3	-0.46953	2.80203	0.20878	0.83305	0.0826	2.18464	0.0215	0.08835	0.2817
160	18.5	2	-3	-0.16931	3.06888	0.32768	0.90919	0.06243	2.09918	0.07853	-0.14482	0.23811
161	18.5	1	-3	0.07548	3.20206	0.38075	0.87919	0.03687	2.21195	0.04287	0.05405	-0.34747
162	18.5	0	-3	0.36359	2.90961	0.4158	0.97854	-0.27615	2.26295	0.13712	-0.06217	-0.00536
163	18.5	-1	-3	0.14918	2.34574	0.45508	0.88257	-0.50813	1.97915	-0.07274	-0.0435	0.14552
164	18.5	-2	-3	0.16199	2.40477	0.47097	0.8633	-0.64785	2.06742	-0.22467	-0.02053	0.05352
165	18.5	-3	-3	-0.30264	2.70177	0.50397	0.70775	-0.46011	1.98365	-0.19337	0.0409	-0.26017
166	18.5	-3	-4	-0.48743	2.93808	0.54385	0.66137	-0.55491	2.16844	-0.11461	0.00855	-0.12195
167	18.5	-2	-4	-0.27928	3.18834	0.62829	0.78681	-0.42663	2.27662	0.05187	0.06435	0.18546
168	18.5	-1	-4	0.17513	2.03392	0.6255	0.80865	-0.46358	2.02497	0.04375	-0.06418	0.04034
169	18.5	0	-4	0.22498	1.92342	0.68211	0.78182	-0.34147	1.86646	-0.02038	-0.10839	-0.13984
170	18.5	1	-4	0.09861	2.20689	0.71321	0.77965	-0.05427	1.93618	0.11956	0.03164	0.25002
171	18.5	2	-4	0.04423	2.29873	0.52919	0.8176	-0.06099	2.05269	-0.0167	-0.02732	-0.03596
172	18.5	3	-4	-0.15526	2.23766	0.4685	0.69819	0.10111	1.9681	0.03102	0.00969	0.12635
173	18.5	4	-4	-0.20613	2.09129	0.21998	0.68698	0.06494	2.03322	0.0156	0.02341	0.20114
174	18.5	5	-4	-0.40246	2.19491	0.01197	0.69051	-0.01531	2.16907	0.10514	0.12846	0.36734
175	18.5	6	-4	-0.29385	2.35725	-0.04224	0.68411	-0.01293	1.96028	0.07035	0.00544	0.55922
176	18.5	7	-4	-0.49303	2.57031	-0.2278	0.81636	-0.09326	1.87974	0.09638	0.02841	-0.03994
177	18.5	8	-4	-0.41047	2.60427	-0.19093	0.7422	-0.17668	2.00193	0.11574	0.0943	0.03477
178	18.5	9	-4	-0.37498	2.43018	-0.31038	0.76144	-0.2963	1.87669	-0.05054	0.06692	0.03611
179	18.5	10	-4	-0.52779	2.53165	-0.20036	0.64667	-0.48899	1.80454	0.02077	0.09245	0.50366
180	18.5	11	-4	-0.16932	2.08006	-0.18972	0.64748	-0.51151	2.06917	-0.02066	0.04659	0.14412

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	21.5	11	7	-0.43263	2.37062	0.11408	0.67024	-0.75343	1.76385	0.01337	0.01331	0.22454
2	21.5	10	7	-0.42716	2.63927	0.10927	0.77604	-0.55587	1.75631	0.03429	0.00156	-0.04268
3	21.5	9	7	-0.06152	2.8157	0.06341	0.95258	-0.40361	1.88991	0.0283	0.02956	0.45618
4	21.5	8	7	0.22432	2.64531	-0.07766	1.03138	-0.21145	1.9061	0.02172	-0.03443	0.06288
5	21.5	7	7	0.5611	2.90621	-0.19974	1.05393	-0.25028	2.09202	-0.04023	-0.0049	0.23707
6	21.5	6	7	0.66142	2.78062	-0.35192	1.04283	-0.11268	1.79945	0.12874	-0.0294	0.20242
7	21.5	5	7	0.73978	2.44665	-0.3024	1.03137	-0.14479	1.84244	-0.0783	-0.03747	0.40192
8	21.5	4	7	0.78547	2.50352	-0.26471	1.04032	-0.26688	1.89835	-0.16443	0.01406	0.24343
9	21.5	3	7	0.72545	2.46451	-0.14236	1.00273	-0.25994	1.85651	-0.04611	-0.08285	0.23302
10	21.5	2	7	0.48512	2.55672	-0.18931	0.95266	-0.38102	1.93172	-0.037	-0.03651	0.15133
11	21.5	1	7	0.16904	2.61426	-0.20432	0.92436	-0.36478	1.94468	-0.14867	-0.02643	0.1899
12	21.5	0	7	-0.23834	2.58612	-0.10566	0.87744	-0.38249	1.88743	-0.0925	-0.0637	-0.01534
13	21.5	-1	7	-0.3121	2.71519	-0.01763	0.7895	-0.51756	1.90922	-0.07409	-0.01186	-0.24104
14	21.5	-2	7	-0.55654	2.43831	0.06699	0.62714	-0.51122	2.16615	-0.03721	0.015	-0.14794
15	21.5	-3	7	-0.64948	2.60385	0.2023	0.59675	-0.31688	2.07984	-0.03839	-0.01504	-0.32497
16	21.5	-3	6	-0.51977	2.77901	0.10496	0.71059	-0.46868	1.951	-0.08569	-0.06332	0.27551
17	21.5	-2	6	-0.1298	2.73465	-0.051	0.8989	-0.34173	1.9602	-0.26604	-0.01994	-0.04529
18	21.5	-1	6	0.23807	2.84885	-0.2484	0.99215	-0.40225	1.69901	-0.05764	-0.1333	0.24408
19	21.5	0	6	0.68194	2.80745	-0.28911	1.04221	-0.19653	1.91039	-0.24116	-0.04639	0.36737
20	21.5	1	6	1.19203	2.64178	-0.3074	1.13329	-0.23495	1.87393	-0.11118	0.15164	0.49694
21	21.5	2	6	1.40953	2.66794	-0.37162	1.16727	-0.26809	1.67507	-0.19412	1.58679E-4	0.54476
22	21.5	3	6	1.78362	2.32302	-0.21701	1.17033	-0.25742	1.77299	-0.11581	0.04799	0.43411
23	21.5	4	6	1.8387	2.37723	-0.28049	1.16281	-0.3049	1.7185	-0.10747	0.07575	0.52662
24	21.5	5	6	2.10445	2.17113	-0.34488	1.17299	-0.03652	1.93757	-0.2586	0.06185	0.72186
25	21.5	6	6	2.13979	2.39796	-0.2369	1.21482	0.01803	1.90368	0.11138	-0.02102	0.80858
26	21.5	7	6	1.95531	2.45509	-0.18558	1.2259	0.00216	1.99846	0.27031	-0.02861	0.5616
27	21.5	8	6	1.44088	2.2533	-0.09302	1.16777	-0.14848	2.01804	0.0906	-0.07346	0.44924
28	21.5	9	6	0.92112	2.18511	0.08637	1.08383	-0.30801	2.19731	0.09577	0.11006	0.59437
29	21.5	10	6	0.38135	2.00282	0.1572	0.94473	-0.37593	2.09427	-0.07241	-0.04003	0.36206
30	21.5	11	6	-0.16038	2.14983	0.13291	0.83193	-0.62307	2.15831	0.08569	0.05704	-0.17141
31	21.5	11	5	0.17802	2.14747	0.07518	0.91133	-0.52912	1.95501	0.06851	0.0345	0.12348
32	21.5	10	5	0.62128	2.26419	0.14793	1.00498	-0.36382	1.77394	0.26749	0.05559	0.22178
33	21.5	9	5	1.1949	2.52898	0.06072	1.13909	-0.16598	1.90015	0.19779	-0.01208	0.33949
34	21.5	8	5	1.80668	2.88005	0.00344	1.14394	0.13612	1.97606	0.2345	-0.12894	0.56576
35	21.5	7	5	2.24347	3.12412	-0.04054	1.17266	-0.00985	1.83479	0.25913	-0.04487	0.66243
36	21.5	6	5	2.6332	3.2697	-0.19734	1.17511	0.10222	1.83984	0.24223	-0.03591	0.44786
37	21.5	5	5	2.29099	3.26006	-0.24755	1.17368	-0.03173	1.71316	-0.15259	0.01773	0.75293
38	21.5	4	5	2.59889	3.09363	-0.34684	1.09019	-0.18534	1.78654	0.04825	-0.05263	0.67329
39	21.5	3	5	2.01829	3.50828	-0.33378	1.0916	-0.26383	1.78165	-0.15059	0.06798	0.65305
40	21.5	2	5	2.02926	3.05883	-0.40207	1.17242	-0.05233	1.75772	-0.01642	0.0432	0.51019
41	21.5	1	5	2.0096	2.70764	-0.46119	1.21437	-0.16016	1.73263	0.14784	0.05435	0.53153
42	21.5	0	5	1.7422	2.81085	-0.49265	1.27653	-0.14078	1.86244	-0.26149	-0.07742	0.62073
43	21.5	-1	5	1.43748	2.53273	-0.38673	1.1428	-0.19055	1.96777	-0.18953	-0.00663	0.44371
44	21.5	-2	5	0.93924	2.21465	-0.28952	1.039	-0.264	2.00434	-0.26271	0.00583	0.0613
45	21.5	-3	5	0.14119	1.9382	-0.14306	0.83666	-0.61316	2.07482	-0.10936	-0.13527	0.16334
46	21.5	-3	4	0.80127	2.25898	-0.30116	1.00705	-0.48198	2.10876	-0.45497	-0.0768	0.40881
47	21.5	-2	4	1.70403	2.03661	-0.42227	1.09098	-0.33439	2.13478	-0.22006	-0.01384	0.40012
48	21.5	-1	4	2.5895	2.31207	-0.52879	1.18785	-0.1916	2.21589	-0.49576	0.12361	0.60242
49	21.5	0	4	3.29919	2.18011	-0.58226	1.18404	-0.15169	2.04132	-0.33126	-0.08576	0.24876
50	21.5	1	4	3.64844	2.34371	-0.51074	1.12139	-0.27117	2.0689	-0.29746	0.01303	0.21789

51	21.5	2	4	4.03531	2.43668	-0.44054	1.09915	0.01293	2.01056	-0.2347	0.16489	0.32066
52	21.5	3	4	4.36681	2.29916	-0.31288	1.04574	-0.08871	2.04464	-0.06862	0.10539	0.41584
53	21.5	4	4	4.46316	2.21053	-0.23896	1.0521	-0.08282	1.95055	-0.12309	0.02871	0.38323
54	21.5	5	4	4.6512	2.17931	-0.12938	1.04725	0.0855	1.884	-0.00695	-0.23925	0.37859
55	21.5	6	4	4.27206	2.50015	0.04619	1.06447	0.1441	2.11554	0.10054	-0.10878	0.64164
56	21.5	7	4	3.90566	2.23889	0.03832	1.10745	0.0293	1.96408	0.2687	-0.06166	0.39661
57	21.5	8	4	2.94359	2.20619	0.14302	1.11485	-0.08727	2.02644	0.35837	-0.16142	0.48074
58	21.5	9	4	2.00432	1.92962	0.10473	1.08389	-0.13901	2.04935	0.4495	0.00582	0.26182
59	21.5	10	4	1.21633	1.94612	0.12358	0.96497	-0.51883	2.07119	0.35849	0.04324	0.21545
60	21.5	11	4	0.51843	1.98602	0.06834	0.8376	-0.50324	2.16728	0.093	0.04914	0.4102
61	21.5	11	3	0.42785	2.2253	0.06559	0.82738	-0.51803	1.99206	0.3211	-0.03635	0.10482
62	21.5	10	3	1.11421	2.15794	0.07117	1.00345	-0.45283	1.96497	0.21044	0.05107	0.0477
63	21.5	9	3	1.7989	2.25307	0.04741	1.09335	-0.3033	1.98912	0.3422	-0.03477	0.13401
64	21.5	8	3	2.80585	2.39274	0.10712	1.11641	-0.01098	1.92963	0.41891	0.02203	0.01636
65	21.5	7	3	3.55384	2.64943	0.00809	1.05815	0.04042	1.74507	0.21382	-0.00459	-0.13005
66	21.5	6	3	4.52991	2.51497	-0.02875	1.00012	0.02767	1.80408	0.27991	-0.10446	2.63001E-4
67	21.5	5	3	5.2591	2.16641	-0.0944	0.94132	-0.02755	1.6991	0.04143	0.02471	0.12942
68	21.5	4	3	5.38156	2.30893	-0.19746	0.87298	-0.03055	1.74412	0.03506	-0.07725	0.12024
69	21.5	3	3	5.29981	2.29819	-0.29811	0.91615	-0.0894	1.68468	0.03697	-0.04759	0.39254
70	21.5	2	3	4.80782	2.48024	-0.40543	1.05196	-0.07102	1.90987	-0.18933	-0.04748	0.03886
71	21.5	1	3	4.52072	2.14007	-0.59432	1.06566	-0.14709	1.91911	-0.20658	-0.0216	0.34724
72	21.5	0	3	3.93362	2.18383	-0.65111	1.12349	-0.12675	1.99291	-0.26726	-0.04769	0.08144
73	21.5	-1	3	3.22594	2.33027	-0.62914	1.19708	-0.23191	1.93041	-0.43333	-0.01797	0.02409
74	21.5	-2	3	2.51866	1.9474	-0.59837	1.15857	-0.47174	1.90953	-0.41569	0.05945	0.03875
75	21.5	-3	3	1.40074	1.8822	-0.36413	1.06622	-0.51117	1.92977	-0.40897	-0.03995	0.05466
76	21.5	-3	2	1.63618	2.01542	-0.39167	1.1379	-0.7238	1.91104	-0.51535	-0.03626	0.13618
77	21.5	-2	2	2.53539	2.1606	-0.57432	1.19249	-0.46786	1.95249	-0.46049	-0.07656	-0.04284
78	21.5	-1	2	3.22908	2.07	-0.61699	1.20281	-0.22455	1.99008	-0.4969	-0.12818	-0.17402
79	21.5	0	2	3.44802	2.50107	-0.70487	1.17859	-0.08077	1.71187	-0.253	-0.06077	-0.2798
80	21.5	1	2	3.86227	2.77373	-0.5676	1.04736	-0.13539	1.85899	-0.1034	-0.08575	-0.45375
81	21.5	2	2	4.66304	2.3322	-0.43428	1.11227	-0.13917	1.86484	-0.16281	0.12211	-0.53035
82	21.5	3	2	4.94815	2.40541	-0.31612	1.03161	-0.00648	1.68141	-0.30288	0.01416	-0.30685
83	21.5	4	2	4.97527	2.44939	-0.16839	0.94423	-0.01422	1.68108	-0.04907	0.03936	-0.37183
84	21.5	5	2	4.43865	2.75712	-0.16874	1.04743	-0.06195	1.78813	0.04304	0.01117	0.04226
85	21.5	6	2	4.14414	2.30172	-0.06829	1.08898	-0.05075	1.76779	0.16984	0.15266	-0.13928
86	21.5	7	2	3.37239	2.21207	0.04662	1.09045	-0.01135	2.01034	0.24679	0.02002	-0.17942
87	21.5	8	2	2.28597	2.41266	0.04586	1.10638	-0.0989	1.82459	0.42159	0.1402	-0.27331
88	21.5	9	2	1.42182	2.23813	0.01678	1.04793	-0.23505	1.71232	0.46705	-0.12541	0.0042
89	21.5	10	2	1.04709	2.22709	0.00226	0.97548	-0.3431	2.10643	0.27102	-0.049	0.02874
90	21.5	11	2	0.56641	1.93935	-0.0066	0.90238	-0.5591	2.12881	0.29233	-0.1038	-0.10612
91	21.5	11	1	0.24943	2.09431	-0.09548	0.80143	-0.54263	2.07503	0.19413	0.02538	-0.02932
92	21.5	10	1	0.44383	2.34248	-0.1146	0.89036	-0.40497	2.05241	0.10845	0.07611	0.28208
93	21.5	9	1	1.1701	2.32576	-0.02377	0.99583	-0.24977	1.97317	0.20204	0.14584	-0.18623
94	21.5	8	1	1.60481	2.40583	0.03321	1.13216	-0.17361	1.91015	0.36012	0.13807	0.03711
95	21.5	7	1	2.19745	2.38232	0.01861	1.19057	-0.06681	2.07442	0.42353	0.05514	-0.32708
96	21.5	6	1	2.45901	2.85159	-0.14158	1.16567	-0.03829	1.94606	0.22587	0.08185	-0.19908
97	21.5	5	1	2.96492	3.12813	-0.14157	1.13647	-0.0988	1.8926	0.13385	-0.01341	-0.41653
98	21.5	4	1	3.56556	2.96175	-0.27753	1.19798	0.04309	1.62428	0.00678	0.08883	-0.16286
99	21.5	3	1	3.65953	2.40762	-0.45618	1.15074	-0.05152	1.68686	-0.18174	0.09011	-0.89774
100	21.5	2	1	3.39791	2.33166	-0.59277	1.17159	0.02569	1.81391	-0.12818	0.118	-0.7678
101	21.5	1	1	3.15884	2.26779	-0.66017	1.23659	-0.11607	2.01871	-0.27455	-0.00345	-0.76734
102	21.5	0	1	2.80729	2.22045	-0.65966	1.21089	-0.2251	2.14989	-0.03937	-0.16079	-0.50439
103	21.5	-1	1	2.29911	2.66603	-0.56308	1.23289	-0.36447	1.84753	-0.3696	0.03421	-0.25091

104	21.5	-2	1	2.19377	2.46288	-0.54221	1.22392	-0.60142	1.77028	-0.44001	-0.0471	-0.10533
105	21.5	-3	1	1.42493	2.693	-0.31576	1.15537	-0.71168	1.78811	-0.4239	-0.10632	-0.13038
106	21.5	-3	0	1.16034	2.29648	-0.0584	1.12942	-0.65103	2.09826	-0.54779	0.06819	-0.07904
107	21.5	-2	0	1.70716	2.51465	-0.23165	1.21587	-0.67986	1.79782	-0.3499	0.02716	-0.47959
108	21.5	-1	0	1.64911	2.29404	-0.29464	1.15102	-0.50305	1.92314	-0.15663	-0.02939	-0.28202
109	21.5	0	0	1.65944	2.28603	-0.53503	1.2179	-0.17934	2.07418	-0.12514	0.14288	-0.58156
110	21.5	1	0	1.56787	2.33234	-0.5385	1.18252	0.03105	2.03438	0.02857	0.05188	-0.3392
111	21.5	2	0	1.80415	2.42835	-0.52086	1.15875	-0.03453	2.14145	-0.05197	0.07901	-0.31668
112	21.5	3	0	2.01446	2.306	-0.3999	1.21255	-0.04307	2.06594	-0.13031	0.12431	-0.36268
113	21.5	4	0	2.11281	2.64303	-0.33171	1.22833	-0.05377	1.89487	-0.00974	-0.00797	-0.57161
114	21.5	5	0	2.07778	2.18344	-0.15859	1.16401	-0.01511	1.81542	-0.04957	-0.00118	-0.40622
115	21.5	6	0	1.59145	2.31749	-0.12298	1.23415	-0.0453	1.90752	0.05599	0.04112	-0.31162
116	21.5	7	0	1.3015	1.93888	-0.09744	1.04475	-0.14195	2.08847	0.24568	0.02775	-0.09231
117	21.5	8	0	1.11629	1.82496	-0.04641	0.95848	-0.36756	2.28995	0.17192	0.01317	0.14571
118	21.5	9	0	0.67736	1.93199	-0.12567	0.89349	-0.40271	2.30389	0.10783	-0.04736	-0.11677
119	21.5	10	0	0.36481	1.99363	-0.15518	0.81877	-0.51677	2.20892	0.166	0.14463	-0.03146
120	21.5	11	0	0.11605	2.10292	-0.17252	0.76273	-0.61929	2.13943	0.01193	-8.90845E-4	0.1493
121	21.5	11	-1	-0.02038	2.0942	-0.23955	0.68423	-0.46882	2.28525	0.05778	0.06994	0.1319
122	21.5	10	-1	0.19438	2.04441	-0.25914	0.75553	-0.47403	2.05547	0.12341	0.03378	0.03612
123	21.5	9	-1	0.23016	2.01435	-0.16545	0.82385	-0.45475	2.06919	-0.01588	0.09456	0.30495
124	21.5	8	-1	0.40937	2.17667	-0.20322	0.84571	-0.27881	2.33825	0.03327	-0.0741	0.06668
125	21.5	7	-1	0.3506	2.3036	-0.10479	0.89347	-0.10604	2.36433	-0.14844	0.07094	-0.20102
126	21.5	6	-1	0.3923	2.39306	-0.18712	0.92451	-0.1392	2.38893	0.07868	-0.00924	-0.22804
127	21.5	5	-1	0.98389	2.48758	-0.20811	1.03359	-0.09541	2.11651	-0.03179	0.08579	-0.2028
128	21.5	4	-1	0.77477	2.3365	-0.26988	1.03364	0.09275	2.18076	0.04361	0.00612	-0.05718
129	21.5	3	-1	0.88628	2.16387	-0.19688	1.04222	0.03077	2.16345	-0.09898	-0.00228	-0.19406
130	21.5	2	-1	0.71234	2.45669	-0.22626	1.0554	-0.07133	2.02042	-0.02649	0.08219	0.13952
131	21.5	1	-1	0.86871	2.28878	-0.36147	1.05782	-0.10123	2.05216	0.06016	0.11545	-0.32382
132	21.5	0	-1	1.07099	2.299	-0.12965	1.06087	-0.25986	2.34718	0.03546	-0.03416	0.04484
133	21.5	-1	-1	1.38814	2.16538	-0.02041	1.1199	-0.51902	1.88286	-0.0981	0.05793	-0.10977
134	21.5	-2	-1	1.5561	2.02408	0.05593	1.09716	-0.75691	1.93216	-0.13544	-0.07918	-0.19881
135	21.5	-3	-1	0.9287	2.02481	0.16592	1.05574	-0.75074	1.79059	-0.30041	0.0138	0.182
136	21.5	-3	-2	0.46802	2.00225	0.37973	0.81499	-0.73523	2.04934	-0.23219	0.04636	0.03728
137	21.5	-2	-2	0.68943	2.09348	0.38798	0.98137	-0.63546	2.1077	-0.16747	-0.08773	0.16429
138	21.5	-1	-2	0.68199	2.26423	0.23567	0.97646	-0.53444	2.27812	-0.076	-0.05572	-0.08938
139	21.5	0	-2	0.86606	2.15415	0.1973	1.01217	-0.40413	2.15882	-0.02195	0.05294	-0.05145
140	21.5	1	-2	0.56782	2.2221	0.01644	0.98167	-0.18258	2.26887	-0.06835	0.03595	-0.23384
141	21.5	2	-2	0.3435	2.22797	0.06066	0.90204	0.1045	2.32976	0.15618	0.02944	-0.06625
142	21.5	3	-2	0.11676	2.19881	-0.00753	0.84709	-0.20393	2.45815	-0.10431	0.05914	0.36811
143	21.5	4	-2	0.10546	2.5421	0.00226	0.87132	-0.11896	2.37584	-0.01013	-0.07219	-0.27082
144	21.5	5	-2	-0.00604	2.47045	-0.1458	0.84418	-0.08229	2.39635	-0.01996	-0.08832	-0.40207
145	21.5	6	-2	-0.01046	2.39214	-0.10397	0.84355	-0.11335	2.28937	0.0843	0.02961	0.26112
146	21.5	7	-2	0.12558	2.12435	-0.20039	0.80535	-0.24639	2.31816	-0.10779	0.05561	0.0066
147	21.5	8	-2	0.04494	2.07538	-0.19411	0.74027	-0.15653	2.18249	0.05322	0.04832	-0.04998
148	21.5	9	-2	-0.04607	2.08979	-0.24912	0.6936	-0.40936	2.21497	0.02783	-0.07197	0.17406
149	21.5	10	-2	-0.12983	2.09937	-0.19796	0.66269	-0.36786	2.19544	0.0446	-0.07274	-0.15633
150	21.5	11	-2	-0.27588	2.09792	-0.24209	0.67639	-0.56687	2.18198	0.00744	0.06811	-0.17842
151	21.5	11	-3	-0.28676	2.30076	-0.27712	0.64434	-0.38254	2.34951	0.03061	0.02484	0.20323
152	21.5	10	-3	-0.38995	2.1141	-0.27587	0.57867	-0.52455	2.1983	0.03021	0.03491	0.2413
153	21.5	9	-3	-0.09276	2.00805	-0.24268	0.61391	-0.51575	2.37834	-0.05033	0.02766	-0.10426
154	21.5	8	-3	-0.30139	2.2847	-0.28537	0.62149	-0.26652	2.33191	0.02954	0.06011	0.08437
155	21.5	7	-3	-0.16525	2.08423	-0.13753	0.62234	-0.28506	2.2269	-0.10529	0.03144	0.34594
156	21.5	6	-3	-0.24194	2.09962	-0.1082	0.62298	-0.24444	2.21948	-0.12867	0.01291	0.18424

157	21.5	5	-3	-0.14728	2.16945	0.05535	0.70196	-0.12214	2.22131	0.02262	0.06379	-0.14318
158	21.5	4	-3	-0.06667	2.28643	0.12566	0.76383	-0.01685	2.24839	-0.04548	0.06958	0.1914
159	21.5	3	-3	-0.11259	2.47969	0.21919	0.80825	0.09296	2.37124	0.09247	0.11512	0.04312
160	21.5	2	-3	0.17499	2.46622	0.25505	0.82174	-0.06576	2.31227	0.06922	0.05032	0.26251
161	21.5	1	-3	0.00685	2.79366	0.36529	0.89146	-0.22404	2.40879	0.11574	0.046	-0.2436
162	21.5	0	-3	0.41034	2.53681	0.47297	0.89751	-0.21515	2.04494	-0.04266	0.06451	0.19235
163	21.5	-1	-3	0.19955	2.57427	0.50604	0.85849	-0.40265	2.09302	-0.15896	0.04564	0.13536
164	21.5	-2	-3	0.24791	2.67413	0.45821	0.87115	-0.5406	2.08635	-0.21198	-0.00569	-0.43019
165	21.5	-3	-3	-0.00292	2.79888	0.44559	0.85681	-0.69252	2.38711	-0.08768	0.19536	0.38802
166	21.5	-3	-4	-0.19058	2.67917	0.47933	0.81757	-0.65612	2.3055	-0.10961	0.13944	-0.21781
167	21.5	-2	-4	-0.05352	2.48651	0.50636	0.80806	-0.50077	2.12827	0.03807	-0.01072	0.06643
168	21.5	-1	-4	-0.13803	2.7658	0.57229	0.80314	-0.45472	2.08543	0.0038	0.00298	0.12945
169	21.5	0	-4	0.08388	2.72011	0.55567	0.82069	-0.38576	2.12871	0.04769	-0.04839	0.03889
170	21.5	1	-4	-0.02255	2.47225	0.59437	0.82124	-0.20458	2.18167	0.00363	-0.07413	-8.63187E-5
171	21.5	2	-4	-0.05595	2.51359	0.52954	0.72736	-0.16345	2.13629	0.14494	-0.04152	0.13654
172	21.5	3	-4	-0.13988	2.29472	0.36447	0.741	0.05422	2.15154	0.04531	-0.06775	0.0179
173	21.5	4	-4	-0.42326	2.45729	0.26369	0.72922	0.0873	2.18881	0.11501	0.06156	0.05394
174	21.5	5	-4	-0.25614	2.27401	0.07711	0.65513	0.00795	2.17465	-0.05055	0.04549	-0.02634
175	21.5	6	-4	-0.56944	2.52989	0.01213	0.68659	-0.24477	2.49442	0.01292	-0.0635	0.40836
176	21.5	7	-4	-0.49245	2.8214	-0.12454	0.70356	-0.34902	2.35669	0.06255	0.01197	0.32603
177	21.5	8	-4	-0.40699	3.11987	-0.1806	0.73455	-0.09394	2.56191	0.00676	0.1319	0.20184
178	21.5	9	-4	-0.19215	2.96488	-0.26193	0.87244	-0.20731	2.25088	0.00809	5.06487E-4	0.36922
179	21.5	10	-4	-0.45295	3.23336	-0.25041	0.73576	-0.39352	2.07012	0.03846	-0.03264	0.11973
180	21.5	11	-4	-0.38375	3.18783	-0.20501	0.75232	-0.19548	2.15436	0.01975	0.06485	0.00679

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	30.5	11	7	0.05099	2.5196	0.20203	0.88838	-0.58281	2.02553	-0.00757	0.07607	0.54863
2	30.5	10	7	0.45925	2.58622	0.16585	0.9434	-0.39596	1.9857	0.06532	0.06089	0.44393
3	30.5	9	7	0.76029	2.3525	0.17322	1.08094	-0.19631	1.79851	0.14853	0.02134	0.57848
4	30.5	8	7	0.99202	2.31368	-0.00677	1.12188	-0.158	1.96911	0.01426	0.04228	0.38594
5	30.5	7	7	1.28275	2.52286	-0.14862	1.14889	-0.07246	1.82578	0.138	-0.07816	0.56426
6	30.5	6	7	1.62792	2.57472	-0.23467	1.21645	-0.12243	2.11451	-0.28319	0.02898	0.59966
7	30.5	5	7	1.7554	2.3629	-0.2272	1.0941	-0.08308	1.7979	-0.15488	-0.001	0.4159
8	30.5	4	7	1.60869	2.21022	-0.29508	1.15314	-0.17318	1.9312	-0.16233	0.06983	0.62217
9	30.5	3	7	1.4476	2.35767	-0.27973	1.14795	-0.21469	1.97961	-0.21454	-0.07264	0.72083
10	30.5	2	7	1.2871	2.28717	-0.17747	1.11608	-0.28544	2.01021	-0.23924	0.02819	0.67421
11	30.5	1	7	1.20594	2.13471	-0.15848	1.08738	-0.23192	1.87747	-0.11284	0.06988	0.62715
12	30.5	0	7	0.80583	2.16503	-0.08392	1.03631	-0.36274	2.06551	-0.19522	-0.12306	0.36112
13	30.5	-1	7	0.3172	2.35479	0.01689	0.96746	-0.38612	2.2216	-0.12353	-0.05675	0.39477
14	30.5	-2	7	0.21242	2.10934	0.1194	0.91676	-0.28319	2.21368	-0.05856	-0.09596	0.25582
15	30.5	-3	7	-0.09838	2.16427	0.10974	0.76932	-0.5602	2.17534	-0.1163	0.0454	0.13538
16	30.5	-3	6	0.24343	2.12773	0.07408	0.90217	-0.48987	2.20749	-0.16139	-0.09199	0.63088

17	30.5	-2	6	0.87189	2.2545	-0.08452	1.06374	-0.33821	2.20381	-0.24443	0.03285	0.34991
18	30.5	-1	6	1.28807	2.27302	-0.0663	1.08722	-0.21272	2.05667	-0.35817	0.04934	0.50681
19	30.5	0	6	1.78537	2.31638	-0.21473	1.15508	-0.20242	1.76514	-0.18829	-0.05984	0.54286
20	30.5	1	6	1.80411	2.43343	-0.34604	1.26062	-0.15413	1.84903	-0.31931	0.09252	0.25454
21	30.5	2	6	2.04272	2.35257	-0.3602	1.2387	-0.15664	1.86543	-0.08688	-0.03013	0.6971
22	30.5	3	6	2.2152	2.3576	-0.36247	1.22453	-0.32241	1.82611	-0.17924	0.01827	0.62169
23	30.5	4	6	2.33322	2.3425	-0.2991	1.22145	-0.20508	1.791	0.03229	-0.01006	0.71099
24	30.5	5	6	2.41202	2.7381	-0.15723	1.15367	0.03094	1.83696	0.03511	-0.04819	0.56996
25	30.5	6	6	2.28986	2.69579	-0.14148	1.1449	2.53537E-4	1.76213	0.09586	-0.10999	0.69115
26	30.5	7	6	2.00615	2.55756	-0.13512	1.20963	-0.00577	1.97239	0.28406	-0.0552	0.54711
27	30.5	8	6	1.59262	2.42216	-0.03207	1.12419	-0.21669	1.93147	0.18633	-0.101	0.5213
28	30.5	9	6	1.28733	2.12213	0.03495	1.06263	-0.26919	1.91585	0.24624	-0.00898	0.29578
29	30.5	10	6	0.85785	2.20397	0.13699	1.00164	-0.33229	1.76062	0.12292	-0.00934	0.42947
30	30.5	11	6	0.41121	2.08074	0.14774	0.93692	-0.47243	2.0691	0.13459	0.05017	0.43731
31	30.5	11	5	0.57971	2.28185	0.17542	0.92601	-0.36817	1.95928	0.12467	0.0365	0.38608
32	30.5	10	5	0.99153	2.30886	0.07567	1.06518	-0.29149	1.92135	0.21261	-0.00919	0.31344
33	30.5	9	5	1.54584	2.412	0.03463	1.10304	-0.26333	2.05922	0.17491	0.01198	0.20059
34	30.5	8	5	2.20349	2.31696	-0.06751	1.18824	-0.10372	1.91552	0.33676	0.01234	0.45703
35	30.5	7	5	2.96002	2.25414	-0.06342	1.24486	9.51254E-4	1.97508	0.33093	-0.15666	0.54356
36	30.5	6	5	3.25287	2.52561	-0.09301	1.23626	0.02007	1.74211	0.29682	-0.05685	0.51386
37	30.5	5	5	3.2437	2.67526	-0.0956	1.16915	-0.03902	1.74557	0.17718	-0.0279	0.74882
38	30.5	4	5	3.21033	2.63904	-0.31993	1.1569	0.02511	1.74675	-0.09009	0.0558	0.44425
39	30.5	3	5	3.18474	2.46359	-0.37044	1.16664	-0.03563	1.88099	-0.14515	-0.03674	0.68202
40	30.5	2	5	2.84312	2.59029	-0.38363	1.164	-0.13641	1.88162	-0.24809	0.03038	0.94199
41	30.5	1	5	2.86039	2.36883	-0.41644	1.17617	-0.21549	1.72006	-0.27419	0.04198	0.69992
42	30.5	0	5	2.29246	2.54054	-0.36392	1.28692	-0.11715	1.93051	-0.23987	0.01899	0.1971
43	30.5	-1	5	1.85174	2.75906	-0.30563	1.2191	-0.12908	1.98346	-0.49758	-0.05934	0.47254
44	30.5	-2	5	1.49973	2.29262	-0.25187	1.14973	-0.24028	2.229	-0.36232	-0.03557	0.5366
45	30.5	-3	5	0.76235	2.39655	-0.09555	1.02698	-0.27674	2.32055	-0.22788	-0.04373	0.35683
46	30.5	-3	4	1.30902	2.38134	-0.2015	1.10804	-0.43333	2.08604	-0.3318	-0.06133	0.30626
47	30.5	-2	4	1.99124	2.47536	-0.32314	1.22679	-0.34232	1.89283	-0.53334	-0.15492	0.58846
48	30.5	-1	4	2.62996	2.52556	-0.38027	1.10616	-0.19197	1.80948	-0.44932	-0.02878	0.40477
49	30.5	0	4	3.17612	2.36727	-0.47144	1.18535	-0.23122	1.93011	-0.34453	-0.05553	0.57822
50	30.5	1	4	3.7493	2.28422	-0.52834	1.19409	-0.0717	1.84632	-0.30325	-0.0207	0.43356
51	30.5	2	4	3.66699	2.62899	-0.44852	1.12148	-0.06103	1.82176	-0.14242	-0.06262	0.50617
52	30.5	3	4	4.1918	2.32235	-0.34378	1.09621	-0.2623	1.79471	-0.11328	-0.09009	0.47208
53	30.5	4	4	4.16783	2.52858	-0.37901	1.11015	-0.10445	1.67527	-0.04222	-0.04525	0.29341
54	30.5	5	4	4.03827	2.57108	-0.15775	1.10253	0.04134	1.76669	0.17394	-0.10276	0.48066
55	30.5	6	4	3.69923	2.51085	-0.03436	1.14321	0.024	1.73239	0.20632	-0.02849	0.39809
56	30.5	7	4	3.24163	2.43824	-0.04561	1.20583	0.05071	1.82217	0.39139	0.02111	0.04695
57	30.5	8	4	2.58051	2.47998	-0.01512	1.22571	0.05029	1.95834	0.46051	0.06231	0.2833
58	30.5	9	4	1.84769	2.35699	0.03678	1.17657	-0.04815	1.83361	0.44769	0.12717	0.2229
59	30.5	10	4	1.25974	2.31372	0.10122	1.09166	-0.3126	1.91793	0.16462	-0.04117	0.22881
60	30.5	11	4	0.83907	2.15631	0.10742	0.92589	-0.31274	2.17073	0.23517	-0.04484	0.14875
61	30.5	11	3	0.68224	2.4135	0.04704	0.94983	-0.30826	2.08541	0.22772	-0.00557	-0.00895
62	30.5	10	3	1.32826	2.31314	0.06173	1.06235	-0.49238	2.08865	0.24166	0.00743	0.34341
63	30.5	9	3	1.94043	2.25485	0.11175	1.16419	-0.20589	1.98847	0.38411	0.01328	0.11946
64	30.5	8	3	2.63614	2.30751	-0.01366	1.18488	-0.11944	1.9672	0.48986	0.09865	0.05482
65	30.5	7	3	3.42496	2.33183	0.03497	1.20086	-0.10017	1.89935	0.4326	-0.01448	-0.1837
66	30.5	6	3	3.85869	2.47105	0.05252	1.13301	0.03123	1.97398	0.16777	-0.00118	0.1332
67	30.5	5	3	4.19123	2.54401	-0.1245	1.12637	0.11759	1.838	0.32391	-0.08922	-0.19602
68	30.5	4	3	4.18482	2.88541	-0.23952	1.06054	-0.07517	1.922	0.08263	-0.14392	0.26283
69	30.5	3	3	4.3336	2.68451	-0.35888	1.08941	-0.10978	1.81224	-0.15019	-0.17621	-0.14835

70	30.5	2	3	3.79447	2.91908	-0.50134	1.11207	-0.1099	1.93496	-0.1439	-0.25097	0.05205
71	30.5	1	3	3.80015	2.51742	-0.51029	1.12457	-0.18051	1.86856	-0.31787	-0.02678	0.18807
72	30.5	0	3	3.11103	2.85331	-0.55417	1.138	-0.03154	2.00272	-0.14763	-0.12525	-0.19275
73	30.5	-1	3	2.78214	2.70524	-0.47919	1.17512	-0.20005	1.87786	-0.41865	-0.03424	0.05839
74	30.5	-2	3	2.3308	2.52882	-0.39811	1.15384	-0.17734	2.04738	-0.51457	-0.11326	0.48095
75	30.5	-3	3	1.46041	2.53721	-0.3059	1.17603	-0.42224	2.11787	-0.46852	-0.01168	0.30036
76	30.5	-3	2	1.75736	2.59349	-0.30285	1.18122	-0.54314	1.86448	-0.49249	-0.0843	0.03252
77	30.5	-2	2	2.23742	2.67812	-0.32032	1.20781	-0.41361	1.91073	-0.23336	-0.06535	0.12938
78	30.5	-1	2	2.64446	2.75394	-0.48117	1.15267	-0.26057	2.06935	-0.42391	-0.01707	0.09657
79	30.5	0	2	3.04324	2.79475	-0.53598	1.20878	-0.31495	2.00872	-0.29305	-0.13832	-0.37935
80	30.5	1	2	3.27448	2.81279	-0.5838	1.16916	-0.19084	2.20932	-0.12904	-0.22706	-0.17004
81	30.5	2	2	3.86638	2.85256	-0.58181	1.14771	-0.12302	1.89073	-0.04657	-0.17429	-0.3761
82	30.5	3	2	4.05585	2.74094	-0.43414	1.15232	-0.07139	1.97016	0.08312	-0.03342	0.03184
83	30.5	4	2	3.68973	3.15243	-0.37018	1.14394	0.03429	2.21762	0.06511	-0.08301	-0.53215
84	30.5	5	2	3.57257	2.84653	-0.19512	1.20805	-0.19638	1.97027	0.30165	-0.02879	0.05303
85	30.5	6	2	3.3013	2.7361	-0.17152	1.19034	-0.09478	2.07813	0.35654	-0.13286	-0.12923
86	30.5	7	2	2.75932	2.62603	-0.06778	1.17561	-0.15367	1.86651	0.37672	-0.03456	-0.32497
87	30.5	8	2	2.33924	2.43853	0.00781	1.18835	-0.1229	1.91922	0.48004	-0.01304	-0.1112
88	30.5	9	2	1.81472	2.43259	0.02268	1.156	-0.21075	1.89083	0.51887	0.08456	0.07421
89	30.5	10	2	1.30011	2.3606	0.05635	1.04116	-0.22199	2.11508	0.43909	0.01712	0.26448
90	30.5	11	2	0.79478	2.03557	0.01026	0.9365	-0.46149	2.06145	0.25861	0.01184	0.00423
91	30.5	11	1	0.34724	2.72143	-0.11305	0.91262	-0.37831	2.078	0.12002	-0.02863	-0.12842
92	30.5	10	1	0.78673	2.4007	-0.07987	1.02553	-0.38338	2.11299	0.09249	0.02021	-0.03448
93	30.5	9	1	1.50987	2.26692	-0.08289	1.08475	-0.34633	2.01639	0.28956	0.08445	-0.02967
94	30.5	8	1	1.71874	2.3638	-0.08958	1.18472	-0.19026	2.00993	0.35666	0.10789	-0.01084
95	30.5	7	1	2.19184	2.39294	-0.14999	1.24841	-0.25594	2.02434	0.18539	0.06397	-0.15178
96	30.5	6	1	2.4139	2.56242	-0.2674	1.18786	-0.11089	1.97493	0.31416	0.1356	-0.19152
97	30.5	5	1	2.90304	2.4989	-0.30905	1.15512	0.00741	1.93015	0.2771	-0.1406	-0.67392
98	30.5	4	1	3.09662	2.60799	-0.38762	1.20713	0.03836	1.97694	0.14311	-0.00727	-0.45208
99	30.5	3	1	2.96613	2.89198	-0.58922	1.25565	-0.05914	1.90626	0.26861	-0.18832	-0.2629
100	30.5	2	1	2.82966	3.11012	-0.63717	1.22359	-0.13485	1.87949	-0.00464	-0.06425	-0.21864
101	30.5	1	1	2.35308	3.11287	-0.58679	1.24039	-0.1541	1.96731	-0.05753	-0.07612	-0.04748
102	30.5	0	1	2.38211	3.06695	-0.47962	1.21301	-0.17796	1.97298	-0.13973	-0.00736	-0.42089
103	30.5	-1	1	2.23253	3.03715	-0.44731	1.23643	-0.33299	1.87867	-0.33767	-0.10444	-0.18548
104	30.5	-2	1	2.09301	2.41215	-0.25443	1.15278	-0.4242	1.75367	-0.40153	-0.06853	-0.1205
105	30.5	-3	1	1.34041	2.62998	-0.1344	1.1241	-0.48316	2.00756	-0.49029	0.08387	-0.03951
106	30.5	-3	0	1.24075	2.51441	-0.03001	1.06726	-0.62011	2.07611	-0.1679	-0.03339	0.06947
107	30.5	-2	0	1.13242	2.61979	0.06644	1.06711	-0.41859	1.89176	-0.23667	0.02428	-0.03468
108	30.5	-1	0	1.60368	3.06966	-0.26235	1.2233	-0.28085	1.92824	0.02909	-0.12405	-0.26392
109	30.5	0	0	1.34153	3.23227	-0.28983	1.23581	-0.18406	1.8419	-0.12085	-0.05397	-0.27044
110	30.5	1	0	2.36383	2.58488	-0.49785	1.23095	-0.21222	2.02409	-0.03193	-0.07709	-0.54436
111	30.5	2	0	2.59443	2.49574	-0.51674	1.17756	-0.3712	2.03779	0.20319	0.01196	-0.5366
112	30.5	3	0	2.24425	2.55066	-0.52809	1.21859	-0.08898	1.91964	0.0136	0.06898	-0.49675
113	30.5	4	0	1.86217	2.79971	-0.41716	1.21801	-0.01205	2.16075	0.12225	-0.14608	-0.37977
114	30.5	5	0	1.793	2.56571	-0.38059	1.22148	-0.05352	1.96597	0.276	-0.02392	-0.15045
115	30.5	6	0	1.77594	2.36623	-0.28087	1.16465	-0.13184	2.0122	0.11586	-0.01974	-0.46177
116	30.5	7	0	1.39841	2.34607	-0.20178	1.17037	-0.14297	2.07419	0.24801	-0.02242	-0.46178
117	30.5	8	0	1.45492	2.12913	-0.11788	1.08303	-0.16188	1.98712	0.19989	-0.10963	-0.34961
118	30.5	9	0	1.19358	2.14345	-0.05906	1.06977	-0.10506	2.00485	0.26716	-0.02364	-0.13806
119	30.5	10	0	0.87598	2.05655	-0.04108	0.93384	-0.31361	1.96895	0.25828	-0.00721	-0.24591
120	30.5	11	0	0.49171	2.18223	-0.06291	0.83434	-0.39316	2.15289	0.08743	0.06232	0.02065
121	30.5	11	-1	0.26221	2.22783	-0.09233	0.78949	-0.45674	2.10606	-0.04255	0.0628	0.06349
122	30.5	10	-1	0.41384	2.41704	-0.12765	0.8684	-0.33663	2.23279	0.07739	0.0337	0.18729

123	30.5	9	-1	0.48977	2.5631	-0.1314	0.98263	-0.23251	2.24596	0.08541	0.04025	-0.20028
124	30.5	8	-1	0.58076	2.72726	-0.13528	1.0384	-0.21177	2.19844	0.01533	0.06851	-0.45471
125	30.5	7	-1	0.68158	2.5358	-0.20045	1.11221	-0.18261	2.16646	0.04275	0.01098	-0.21311
126	30.5	6	-1	1.16393	2.37083	-0.20476	1.08729	-0.08553	2.07982	0.12408	0.01158	-0.25348
127	30.5	5	-1	1.14853	2.5161	-0.18528	1.05321	0.02763	2.08502	0.07186	0.05476	-0.30795
128	30.5	4	-1	1.19594	2.39532	-0.35476	1.08914	-0.09651	2.10073	0.07247	0.04282	-0.03931
129	30.5	3	-1	1.77711	2.29921	-0.30187	1.18036	-0.21795	2.08869	0.06762	-0.04808	-0.23855
130	30.5	2	-1	1.85684	2.24016	-0.39385	1.23121	-0.16078	1.9997	0.0486	0.0832	-0.33987
131	30.5	1	-1	1.92408	2.35002	-0.28405	1.22768	-0.22209	2.03376	-0.03648	-0.03354	-0.37073
132	30.5	0	-1	1.8238	2.26472	-0.18963	1.25043	-0.33754	1.82479	-0.14963	0.07385	-0.24773
133	30.5	-1	-1	1.70249	2.51201	-0.10129	1.22405	-0.67261	1.96011	-0.09018	-0.00599	0.08303
134	30.5	-2	-1	1.41327	2.36676	0.03795	1.11847	-0.64409	1.96667	-0.3517	0.01543	-0.11373
135	30.5	-3	-1	1.11502	2.4279	0.11787	1.08368	-0.54659	2.06762	-0.3553	-0.02054	-0.25066
136	30.5	-3	-2	0.68293	2.52691	0.21868	1.08233	-0.67552	1.91276	-0.24664	0.13679	-0.13884
137	30.5	-2	-2	0.88127	2.41266	0.28061	0.99069	-0.51957	1.98762	-0.27825	-0.01078	0.03674
138	30.5	-1	-2	1.38368	2.37362	0.12607	1.08703	-0.55296	2.00657	-0.18048	0.04119	-0.17527
139	30.5	0	-2	1.19201	2.51482	0.08859	1.13739	-0.42062	1.94828	0.03088	0.02413	-0.17961
140	30.5	1	-2	1.3559	2.18197	-0.02894	1.11774	-0.30711	1.86887	-0.00292	0.12002	-0.11926
141	30.5	2	-2	1.1879	2.40432	0.00172	1.15557	-0.29445	2.04355	0.22665	0.1377	0.04132
142	30.5	3	-2	1.10383	2.25475	-0.0647	1.08566	0.0356	2.00045	0.06167	0.07718	-0.29747
143	30.5	4	-2	0.79142	2.03282	-0.13142	1.0599	-0.16919	2.2305	-0.01939	0.14155	-0.42099
144	30.5	5	-2	0.56312	2.1611	-0.03208	0.9464	-0.11243	2.26214	0.01288	0.18497	0.08067
145	30.5	6	-2	0.42865	2.1755	-0.15053	0.95648	-0.13522	2.12635	0.06013	0.00646	0.23305
146	30.5	7	-2	0.48531	2.36634	-0.12033	0.9617	0.01838	2.21504	0.01842	0.06878	0.14362
147	30.5	8	-2	0.33093	2.30733	-0.16092	0.9497	-0.19357	2.26789	0.06947	-0.05896	0.00152
148	30.5	9	-2	0.2849	2.44283	-0.11124	0.83241	-0.33303	2.23597	-0.12256	0.03821	-0.16498
149	30.5	10	-2	0.12253	2.31908	-0.17012	0.82793	-0.45303	2.15738	0.05719	0.15011	-0.02973
150	30.5	11	-2	-0.04994	2.41354	-0.0959	0.71041	-0.30238	2.26205	0.0431	-0.01786	0.08104
151	30.5	11	-3	-0.05829	2.15177	-0.13277	0.72205	-0.33993	2.31922	0.04403	0.03708	-0.0615
152	30.5	10	-3	0.04345	1.99529	-0.08691	0.77216	-0.28281	2.10534	0.01239	-0.03442	-0.00956
153	30.5	9	-3	0.08208	1.99412	-0.1476	0.74465	-0.30296	2.22387	-0.07025	0.06273	-0.23452
154	30.5	8	-3	0.09817	2.2166	-0.15401	0.8249	-0.10093	2.27283	0.09927	-0.00111	-0.04371
155	30.5	7	-3	0.15855	1.96601	-0.14964	0.82921	-0.18208	2.21712	0.04515	0.07568	-0.09136
156	30.5	6	-3	0.0688	2.16827	-0.12939	0.8781	-0.06347	2.14969	0.01719	0.02647	0.00308
157	30.5	5	-3	0.11911	2.00647	0.02543	0.83036	0.01043	2.22038	-0.01437	0.05255	-0.0271
158	30.5	4	-3	0.33245	2.32729	0.19833	0.94365	0.07926	2.04352	0.14248	-0.06187	0.15796
159	30.5	3	-3	0.63077	2.37866	0.32178	0.99424	-0.009	1.98629	0.19948	0.02339	0.14328
160	30.5	2	-3	0.61505	2.47043	0.27542	1.06611	-0.18178	2.08957	-0.07829	0.01438	-0.05006
161	30.5	1	-3	0.81151	2.39187	0.2293	1.03269	-0.1944	1.96531	-0.07515	-0.03703	0.04414
162	30.5	0	-3	0.57721	2.52593	0.27076	1.02238	-0.29407	2.07367	0.03041	-0.11082	0.25836
163	30.5	-1	-3	0.85258	2.49556	0.28449	1.02299	-0.39365	1.86939	-0.00404	0.10332	-0.19628
164	30.5	-2	-3	0.33087	2.37793	0.39994	0.85111	-0.47704	2.13866	-0.14446	0.02426	-0.10117
165	30.5	-3	-3	0.50022	2.45939	0.35767	0.94041	-0.74054	1.96205	-0.27282	0.05553	-0.14681
166	30.5	-3	-4	0.30253	2.13709	0.40528	0.81449	-0.69368	1.94738	-0.16145	-0.06986	0.03529
167	30.5	-2	-4	0.25535	2.30384	0.46641	0.82125	-0.64024	2.27204	-0.10452	0.01415	-0.12905
168	30.5	-1	-4	0.60272	2.21203	0.36681	0.90776	-0.46345	1.84773	-0.01774	0.02525	-0.33987
169	30.5	0	-4	0.64247	2.04992	0.40561	0.8609	-0.43995	2.11126	-8.49588E-4	0.10785	-0.11551
170	30.5	1	-4	0.42816	2.21265	0.41178	0.89434	-0.22658	2.21448	0.05614	0.07043	-0.02541
171	30.5	2	-4	0.59449	2.31111	0.45871	0.91232	-0.208	2.01749	0.11785	-0.03477	0.25659
172	30.5	3	-4	0.31921	2.51876	0.44733	0.9235	-0.0376	1.99213	0.24176	-0.00111	0.05814
173	30.5	4	-4	0.10749	2.5878	0.24888	0.79017	0.06636	1.95227	0.09893	0.01864	0.09255
174	30.5	5	-4	-0.07552	2.75563	0.07656	0.79551	-0.03637	2.0277	-0.06464	0.07606	0.34296
175	30.5	6	-4	0.04448	2.80523	0.03161	0.79852	-0.00302	2.33393	0.03658	0.05483	0.31672

176	30.5	7	-4	-0.01829	2.78114	-0.10627	0.81766	-0.06252	2.2473	-0.03683	0.10243	-0.14325
177	30.5	8	-4	-0.00656	2.4918	-0.08665	0.77062	-0.05414	2.30942	-0.02983	0.03568	-0.06805
178	30.5	9	-4	-0.29731	2.62886	-0.06686	0.76491	-0.18031	2.21213	-0.03762	-0.03851	0.14018
179	30.5	10	-4	-0.21403	2.66327	-0.16016	0.83734	-0.25431	2.29411	-0.1383	-0.02332	-0.07182
180	30.5	11	-4	-0.12386	2.37508	-0.10697	0.71024	-0.23856	2.26695	0.0793	-0.06098	0.47529

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	39.5	11	7	0.62312	2.36366	0.13383	0.96457	-0.25609	1.95959	0.12621	-0.03291	0.28053
2	39.5	10	7	0.9657	2.16979	0.15714	1.00913	-0.13773	1.77493	0.03773	-0.04647	0.33426
3	39.5	9	7	1.12015	2.23476	0.01199	1.00199	-0.05418	1.6708	0.04171	-0.05645	0.13874
4	39.5	8	7	1.25606	2.52739	-0.03686	1.02508	0.06106	1.58389	0.16318	-0.08981	0.36487
5	39.5	7	7	1.58368	2.60048	-0.11113	1.1265	0.05164	1.73551	0.18115	-0.12537	0.56563
6	39.5	6	7	2.00691	2.86004	-0.23002	1.09722	0.15632	1.87481	0.04822	0.05463	0.69508
7	39.5	5	7	1.8624	2.64842	-0.11591	1.12688	0.12126	1.61417	0.11045	-0.13338	0.63556
8	39.5	4	7	1.96164	2.79164	-0.227	1.19881	0.15008	2.03713	-0.12274	-0.04776	0.78147
9	39.5	3	7	1.66037	2.48189	-0.17011	1.13018	0.06071	1.95502	-0.33688	0.04611	0.30573
10	39.5	2	7	1.67229	2.45829	-0.18322	1.14039	0.15752	1.77261	-0.02824	-0.07701	0.32731
11	39.5	1	7	1.24972	2.46177	-0.17166	1.15159	-0.02559	1.76721	-0.15804	0.09289	0.62761
12	39.5	0	7	0.80364	2.95975	-0.03959	1.06915	-0.04063	1.79337	-0.27839	0.02139	0.21339
13	39.5	-1	7	0.66336	2.7974	-0.09477	1.06656	-0.09943	2.0265	-0.30701	0.02281	0.31569
14	39.5	-2	7	0.47723	2.64044	0.0902	0.96078	-0.09471	2.04393	-0.14875	-0.06648	0.08825
15	39.5	-3	7	0.12238	2.56997	0.12163	0.88633	-0.14812	2.01777	-0.25137	-0.20074	0.41914
16	39.5	-3	6	0.69196	2.47053	-0.02636	1.00022	0.01511	2.01434	-0.19999	-0.07194	0.33769
17	39.5	-2	6	0.88093	2.6379	-0.05434	1.07281	-0.05394	2.12832	-0.11738	-0.09188	0.04037
18	39.5	-1	6	1.00403	2.76471	-0.0727	1.02944	-0.01369	1.9523	-0.23556	-0.07822	0.27908
19	39.5	0	6	1.51101	2.75116	-0.19965	1.11694	-0.07303	1.94757	-0.1375	0.05413	0.42492
20	39.5	1	6	1.7188	2.69939	-0.22067	1.15659	-0.02276	1.77239	-0.2031	-0.10546	0.6164
21	39.5	2	6	2.14502	2.55413	-0.28131	1.18447	0.06822	1.69705	-0.1985	-0.00866	0.40309
22	39.5	3	6	2.25486	2.74514	-0.23491	1.15836	-0.03857	1.81714	-0.12954	-0.00238	0.51593
23	39.5	4	6	2.48247	2.44621	-0.20565	1.1363	0.04022	1.80028	0.00505	0.08784	0.46378
24	39.5	5	6	2.66593	2.44314	-0.18544	1.1076	0.10029	1.61292	0.03953	0.06775	0.51357
25	39.5	6	6	2.45348	2.37054	-0.16725	1.17247	0.11473	1.73388	0.0236	-0.13101	0.41568
26	39.5	7	6	2.36549	2.35798	-0.11479	1.08148	0.11486	1.60392	0.17199	-0.02089	0.41919
27	39.5	8	6	1.74731	2.42822	-0.11959	1.06889	0.01241	1.91771	0.18011	0.0365	0.21588
28	39.5	9	6	1.49776	2.26212	-0.03644	1.08126	-0.02083	1.74415	0.27198	-0.07451	0.15817
29	39.5	10	6	1.03203	2.44576	0.07237	1.07008	-0.23686	1.85259	0.07558	-0.04729	0.69489
30	39.5	11	6	0.87973	2.2984	0.15296	0.96104	-0.19126	1.7411	0.22118	-0.09105	0.42356
31	39.5	11	5	0.96863	2.34418	0.08162	0.93932	-0.00467	1.72175	0.15166	0.02303	0.04769
32	39.5	10	5	1.32374	2.22584	-0.02427	1.06776	-0.08992	2.061	0.24691	0.00713	0.15386
33	39.5	9	5	1.44073	2.4455	0.0751	1.05207	0.01263	1.82924	0.28285	0.01553	0.30646
34	39.5	8	5	1.92121	2.64617	-0.09096	1.05759	0.09131	1.82919	0.33919	-0.06782	0.29654
35	39.5	7	5	2.33635	2.42794	-0.12485	1.14244	0.11381	1.7323	0.18056	-0.02748	0.67624

36	39.5	6	5	2.70929	2.84522	-0.11867	1.19753	0.04824	2.02266	0.13848	0.04114	0.33952
37	39.5	5	5	2.81036	2.64164	-0.27682	1.12283	0.12961	1.80445	0.02592	-0.1387	0.39012
38	39.5	4	5	2.79908	2.9656	-0.30427	1.14529	0.06472	2.07067	0.06318	-0.06443	0.27053
39	39.5	3	5	2.59555	2.86387	-0.29239	1.19598	0.08878	2.15447	0.07222	-0.05112	0.2695
40	39.5	2	5	2.76641	2.884	-0.25293	1.15122	0.06592	1.94266	0.01724	0.08884	0.08006
41	39.5	1	5	2.26414	2.86904	-0.32777	1.14111	0.09623	2.19545	-0.17579	0.10928	-0.04149
42	39.5	0	5	2.13375	3.00396	-0.25398	1.18885	0.16731	2.19506	-0.20433	0.08764	0.05667
43	39.5	-1	5	1.86048	2.79099	-0.16466	1.14489	0.0017	2.18202	-0.31863	-0.00636	0.38752
44	39.5	-2	5	1.23191	2.8353	-0.13143	1.10719	-0.00986	2.25875	-0.02987	0.02885	-0.07738
45	39.5	-3	5	0.95004	3.01607	-0.04376	1.05878	-0.05128	1.97253	-0.34201	-0.00889	0.19944
46	39.5	-3	4	1.42646	2.5724	-0.08143	1.02518	-0.05289	1.72944	-0.41743	0.02247	0.13286
47	39.5	-2	4	1.72595	2.65453	-0.15607	1.12926	-0.12435	1.65505	-0.50699	0.02326	0.08061
48	39.5	-1	4	2.17308	2.67775	-0.19677	1.13905	-0.0952	1.63704	-0.34237	0.00651	0.22069
49	39.5	0	4	2.64804	2.72476	-0.27025	1.11387	-0.1308	1.58423	-0.10977	-0.0019	0.43881
50	39.5	1	4	2.46358	3.24323	-0.27271	1.0745	-0.09608	1.69544	-0.14018	0.00319	0.17006
51	39.5	2	4	2.63748	3.33352	-0.32308	1.12058	0.14344	1.73325	0.02676	0.0149	-0.1814
52	39.5	3	4	3.1926	3.01655	-0.30495	1.15179	0.01957	1.70511	-0.05457	-0.07765	0.1273
53	39.5	4	4	3.11635	2.92703	-0.21617	1.10328	0.16468	1.71877	0.06422	-0.05903	0.23205
54	39.5	5	4	3.14241	2.619	-0.23145	1.1379	0.12119	1.74793	0.30948	-0.10362	-0.26623
55	39.5	6	4	2.7442	2.91414	-0.20497	1.15808	0.14913	1.80494	0.28104	-0.01862	0.22903
56	39.5	7	4	2.39649	2.84146	-0.13083	1.09267	0.13667	1.78168	0.25922	0.02695	0.08594
57	39.5	8	4	2.20436	2.46478	-0.06842	1.11586	0.02157	1.83935	0.31809	-0.05182	0.14285
58	39.5	9	4	1.73676	2.50026	-0.05153	1.13597	0.06294	1.83483	0.34793	0.05557	0.04779
59	39.5	10	4	1.31117	2.56989	0.02845	1.04432	-0.11357	1.8197	0.31023	-0.03029	0.28905
60	39.5	11	4	0.78667	2.54328	0.04561	0.94128	-0.13824	1.78835	0.25205	0.11087	0.17239
61	39.5	11	3	0.87417	2.45587	0.06387	0.95455	-0.20023	1.74916	0.35595	-0.05945	0.04402
62	39.5	10	3	1.20461	2.53279	-0.0175	1.02327	-0.20419	1.75761	0.24219	0.00529	-0.13342
63	39.5	9	3	1.50422	2.78686	-0.12129	1.02515	-0.01732	1.91479	0.29314	0.05387	0.02119
64	39.5	8	3	1.53227	3.05489	-0.17632	1.09229	0.04453	1.7145	0.3343	0.05481	0.11939
65	39.5	7	3	2.19599	2.85687	-0.2236	1.14861	0.14075	1.83727	0.44395	0.0978	-0.15117
66	39.5	6	3	2.33126	3.26672	-0.22347	1.165	0.05005	1.75293	0.17598	0.15923	0.04047
67	39.5	5	3	2.85882	2.96761	-0.18942	1.12213	0.07136	1.74809	0.13716	0.00221	-0.07571
68	39.5	4	3	2.89397	3.02549	-0.31719	1.13405	-0.02626	1.76611	-0.03598	-0.17406	0.33271
69	39.5	3	3	3.03786	3.12379	-0.31849	1.05492	-0.12895	1.75888	0.01638	-0.15413	0.00356
70	39.5	2	3	3.12925	2.97343	-0.3179	1.12628	-0.07231	1.75211	-0.19276	-0.10834	-0.02037
71	39.5	1	3	2.81703	3.11243	-0.3674	1.09534	-0.10132	1.65636	-0.24572	-0.17372	0.06165
72	39.5	0	3	2.62156	2.88289	-0.31347	1.18296	-0.11772	1.62688	-0.24022	-0.08383	0.04164
73	39.5	-1	3	2.47141	2.70702	-0.30579	1.12195	-0.00633	1.67255	-0.3693	-0.20069	0.10264
74	39.5	-2	3	1.81273	2.70267	-0.1988	1.09945	-0.14345	1.76836	-0.14637	-0.02777	0.07792
75	39.5	-3	3	1.42176	2.49435	-0.11868	1.09185	-0.19807	1.68488	-0.56192	-0.09226	0.17458
76	39.5	-3	2	1.31267	2.41742	0.03033	1.01125	-0.13215	1.64329	-0.3581	0.05285	0.12127
77	39.5	-2	2	2.07737	2.49149	-0.14599	1.06345	-0.18437	1.75708	-0.04965	0.04501	0.06432
78	39.5	-1	2	2.4075	2.73098	-0.2676	1.09076	-0.20042	1.68601	-0.27482	-0.07578	-0.02261
79	39.5	0	2	2.78634	2.55872	-0.32618	1.07739	-0.20197	1.7727	-0.07836	-0.068	-0.24011
80	39.5	1	2	2.95882	2.63955	-0.34837	1.08086	-0.14983	1.64654	-0.20094	-0.07676	-0.17137
81	39.5	2	2	3.14088	2.49141	-0.34167	1.09152	-0.08195	1.55285	-0.01923	-0.12963	-0.19571
82	39.5	3	2	3.19546	2.48175	-0.29875	1.0964	-0.0025	1.63258	0.06254	-0.08719	-0.18984
83	39.5	4	2	2.9497	2.63843	-0.30479	1.07523	0.13931	1.60647	0.02467	-0.06478	-0.36659
84	39.5	5	2	2.97019	2.52507	-0.27566	1.18181	0.03073	1.65516	0.39862	-0.13695	-0.34877
85	39.5	6	2	2.53332	2.65417	-0.24688	1.15231	-0.02817	1.73877	0.2216	0.11038	-0.12368
86	39.5	7	2	2.07505	2.52476	-0.10989	1.13319	0.0048	1.67207	0.34943	0.04013	0.08878
87	39.5	8	2	1.75601	2.73004	-0.07587	1.10193	-0.07231	1.67212	0.33778	0.08761	-0.1572
88	39.5	9	2	1.43841	2.5442	0.00371	1.02909	-0.02175	1.70426	0.27381	0.05205	-0.2009

89	39.5	10	2	1.17969	2.5008	0.0279	1.01625	0.04385	1.65804	0.23075	0.04266	-0.2314
90	39.5	11	2	0.77585	2.43552	0.00497	0.91949	-0.11324	1.8278	0.21277	-0.01297	0.0659
91	39.5	11	1	0.43575	2.68273	-0.01096	0.91354	-0.10954	1.72516	0.16901	0.03963	0.2074
92	39.5	10	1	0.72477	2.63844	-0.05033	0.93694	-0.09437	1.61942	0.26476	0.08529	0.12647
93	39.5	9	1	1.09087	2.62372	-0.06709	0.98923	0.00636	1.64373	0.28926	-0.02199	-0.12321
94	39.5	8	1	1.29382	2.53893	-0.08432	0.98962	-0.01454	1.81136	0.2201	0.05212	-0.23512
95	39.5	7	1	1.6454	2.55602	-0.22016	1.06091	-0.0957	1.72761	0.28883	0.06966	-0.22587
96	39.5	6	1	1.88976	2.63732	-0.31083	1.09704	-0.10438	1.70872	0.35643	0.11615	-0.0692
97	39.5	5	1	2.1282	2.86593	-0.31924	1.12871	-0.0596	1.78316	0.03925	-0.07395	-0.16355
98	39.5	4	1	2.26873	2.86089	-0.23749	1.12463	0.01827	1.68996	0.08905	-0.0696	-0.23071
99	39.5	3	1	2.58822	2.67946	-0.2823	1.11036	-0.03627	1.6653	0.04658	0.05119	-0.40618
100	39.5	2	1	2.53062	2.78827	-0.28139	1.09403	-0.13956	1.73789	-0.0651	-0.05199	-0.2663
101	39.5	1	1	2.57763	2.63279	-0.30071	1.09773	-0.20055	1.75684	-0.19753	-0.09467	-0.27477
102	39.5	0	1	2.67488	2.54844	-0.27979	1.16023	-0.26645	1.70093	-0.24414	-0.05853	-0.10974
103	39.5	-1	1	2.33699	2.79588	-0.25022	1.15656	-0.17739	1.74876	-0.23824	-0.07251	-0.09411
104	39.5	-2	1	1.61392	2.63479	-0.04363	1.08354	-0.27312	1.72259	-0.4333	-0.04867	-0.05525
105	39.5	-3	1	0.85186	2.39638	0.01885	1.01514	-0.30513	1.75801	-0.26852	-0.1028	0.01135
106	39.5	-3	0	0.80281	2.63768	0.1069	0.95532	-0.17412	1.92531	-0.32235	0.03085	-0.10498
107	39.5	-2	0	1.24531	2.48911	0.06012	1.03681	-0.3343	1.8026	-0.2642	0.00203	-0.36302
108	39.5	-1	0	1.83199	2.72638	-0.01684	1.09449	-0.31252	1.7019	-0.36013	0.11333	-0.09721
109	39.5	0	0	2.11185	2.65945	-0.22258	1.10825	-0.29726	1.56463	-0.20969	-0.00857	-0.10979
110	39.5	1	0	2.24476	2.78167	-0.27303	1.09214	-0.02966	1.76358	0.13195	-0.06184	-0.60776
111	39.5	2	0	2.15624	2.8248	-0.28014	1.14062	-0.12377	1.7306	0.05917	-0.14091	-0.37027
112	39.5	3	0	1.95399	2.88289	-0.2524	1.06858	-0.05845	1.76786	0.04492	0.06637	-0.23256
113	39.5	4	0	1.94654	2.63987	-0.23171	1.14066	0.036	1.82442	-0.03381	-0.07919	-0.40365
114	39.5	5	0	1.54559	2.66445	-0.24206	1.1154	0.16864	1.71164	-0.04616	-0.05414	-0.29368
115	39.5	6	0	1.21825	2.65966	-0.28865	1.0238	-0.00225	1.75146	0.24539	0.04743	-0.41771
116	39.5	7	0	0.94271	2.44801	-0.24923	1.01731	0.01592	1.81683	0.17901	0.04594	-0.27296
117	39.5	8	0	1.09654	2.50962	-0.19534	1.0472	-0.15625	1.86244	0.10219	-0.08983	-0.27123
118	39.5	9	0	0.63629	2.79078	-0.05307	0.97266	-0.02195	1.74124	0.17954	0.09581	-0.38555
119	39.5	10	0	0.48748	2.78456	-0.02923	0.88793	-0.00585	1.76782	0.24768	-0.02701	-0.01056
120	39.5	11	0	0.42843	2.64888	-0.05802	0.86348	-0.06059	1.76897	0.11554	0.02291	0.03724
121	39.5	11	-1	0.13616	2.4944	-0.02526	0.81085	-0.15622	1.78865	0.14611	0.01532	0.11822
122	39.5	10	-1	0.1782	2.60224	-0.03369	0.87306	-0.10906	1.73352	0.14232	0.01081	-0.0438
123	39.5	9	-1	0.45901	2.59781	-0.05949	0.96529	0.01878	1.86766	0.04015	-0.01376	-0.27792
124	39.5	8	-1	0.73665	2.4191	-0.0908	0.95434	-0.00558	1.76901	0.1146	-0.04804	-0.33744
125	39.5	7	-1	0.87259	2.63073	-0.17068	0.97015	-0.01517	1.97372	0.03333	0.17219	-0.06523
126	39.5	6	-1	0.78944	2.76494	-0.23158	0.9716	-0.12085	1.89401	0.01396	-0.09701	-0.30956
127	39.5	5	-1	1.08716	2.79298	-0.19918	1.06951	0.04462	1.68936	0.13401	-0.04414	-0.38341
128	39.5	4	-1	1.22216	2.71473	-0.18642	1.05123	0.12869	1.66274	0.20399	0.05052	-0.26569
129	39.5	3	-1	1.66733	2.5215	-0.14908	1.1033	0.00426	1.6865	0.14454	-0.01459	-0.14907
130	39.5	2	-1	1.5281	2.64908	-0.20391	1.10813	-0.09427	1.54451	0.14672	0.05723	-0.29364
131	39.5	1	-1	1.74743	2.6685	-0.02676	1.12104	-0.19746	1.65762	0.01224	-0.01923	-0.29806
132	39.5	0	-1	1.88427	2.45044	-0.09802	1.09365	-0.31069	1.6255	-0.01872	-0.00303	-0.45621
133	39.5	-1	-1	1.45005	2.76475	0.00366	1.07301	-0.20686	1.72598	-0.22723	0.09131	-0.39883
134	39.5	-2	-1	0.73692	2.71107	0.11535	0.93924	-0.23169	1.70041	-0.3798	0.01466	-0.32563
135	39.5	-3	-1	0.36843	2.66305	0.14369	0.83032	-0.27238	1.79811	-0.20458	0.06588	-0.06781
136	39.5	-3	-2	0.27385	2.7376	0.22834	0.81218	-0.33875	1.64503	-0.11664	0.1167	-0.17333
137	39.5	-2	-2	0.51548	2.85414	0.17251	0.86553	-0.24642	1.78269	-0.28346	0.04484	-0.04015
138	39.5	-1	-2	1.16323	2.68536	0.15985	0.94572	-0.19895	1.49859	-0.10992	0.01907	-0.2803
139	39.5	0	-2	1.0943	2.85684	0.11327	1.0779	-0.30557	1.61223	-0.01285	0.00506	0.06847
140	39.5	1	-2	1.3078	2.84668	0.13848	0.99808	-0.15385	1.65682	-0.01885	-0.02184	-0.0638
141	39.5	2	-2	1.22229	2.88634	-0.07652	1.0338	-0.13378	1.683	0.05141	0.09594	-0.19104

142	39.5	3	-2	0.94169	2.80197	0.05197	1.04617	-0.03752	1.79517	0.05212	0.0504	-0.19226
143	39.5	4	-2	1.07446	2.63453	-0.03198	1.07262	0.02247	1.66264	0.12012	0.04974	-0.12859
144	39.5	5	-2	0.82455	2.6113	-0.1017	0.92859	0.05214	1.67572	0.19819	0.03555	-0.26137
145	39.5	6	-2	0.45909	2.73683	-0.14247	0.96102	-0.01546	1.87008	0.07886	0.02014	-0.41784
146	39.5	7	-2	0.50123	2.85182	-0.08899	0.91342	0.04781	1.81197	0.04955	-0.02359	0.05714
147	39.5	8	-2	-0.0976	3.25015	-0.01609	0.91034	0.00122	1.70362	0.07159	0.06911	-0.25974
148	39.5	9	-2	0.19019	3.47303	-0.02391	0.88597	-0.03668	1.80065	0.08636	-0.00229	-0.03996
149	39.5	10	-2	0.11576	3.56503	-0.04682	0.86799	-0.04748	1.78442	0.09159	0.04607	0.24281
150	39.5	11	-2	-0.21925	3.45696	0.01609	0.77843	0.06104	1.80374	-0.13139	0.01073	0.02694
151	39.5	11	-3	0.11993	3.47089	0.01296	0.88999	-0.0074	1.97792	-0.00881	0.09299	0.14717
152	39.5	10	-3	-0.33631	3.11397	0.09291	0.83805	-0.0146	1.96259	0.21833	-0.00377	0.22116
153	39.5	9	-3	0.1031	3.27306	0.03419	0.84461	0.08577	2.11488	0.06614	0.06193	-0.23133
154	39.5	8	-3	0.28887	3.37105	-0.0644	0.9044	0.04346	2.20397	0.00965	0.0609	-0.41048
155	39.5	7	-3	0.43431	3.44545	-0.12117	0.87504	0.05803	2.24567	-0.02545	0.04511	-0.14172
156	39.5	6	-3	0.22752	3.46509	-0.0217	0.87664	-0.06461	1.76339	-0.02535	0.05685	-0.19785
157	39.5	5	-3	0.65863	3.16129	0.05755	0.96215	0.01082	1.868	0.04477	0.01117	-0.10185
158	39.5	4	-3	0.84939	3.66045	0.02331	1.03207	-0.06384	1.9719	-0.05534	0.05805	0.02879
159	39.5	3	-3	0.89935	3.43242	0.11056	1.04811	0.04498	1.98351	0.28042	0.04324	-0.03033
160	39.5	2	-3	0.99716	3.42569	0.07529	1.08714	-0.04642	2.08619	0.19103	0.07226	0.44695
161	39.5	1	-3	0.9774	3.60298	0.25511	1.00221	-0.08585	1.89508	-0.02473	7.10851E-4	-0.01944
162	39.5	0	-3	0.75498	3.25935	0.18251	1.00727	-0.2396	1.96928	0.06517	0.0582	-0.23055
163	39.5	-1	-3	0.6202	3.20008	0.21403	0.92868	-0.20207	2.02302	0.11903	-0.02254	-0.25594
164	39.5	-2	-3	0.39679	3.6945	0.25261	0.859	-0.232	2.03007	-0.13694	-0.05087	0.12442
165	39.5	-3	-3	-0.27499	3.28906	0.15816	0.7844	-0.18214	2.01144	-0.17388	0.0237	-0.04453
166	39.5	-3	-4	-0.077	3.24934	0.17109	0.72563	-0.14162	2.10549	-0.01238	-0.03773	-0.1758
167	39.5	-2	-4	0.56657	3.04111	0.17896	0.93134	-0.1611	2.33645	-0.17044	-0.03634	-0.08383
168	39.5	-1	-4	0.76258	3.17628	0.27299	0.9926	-0.27339	2.11865	-0.21925	-0.08027	-0.39334
169	39.5	0	-4	0.93747	3.28417	0.28707	0.9827	-0.3293	2.13834	0.05271	0.02199	0.07295
170	39.5	1	-4	0.66769	3.0285	0.27313	0.99675	-0.14562	2.10375	-0.02379	0.02771	-0.20291
171	39.5	2	-4	0.95071	2.9242	0.25353	0.99814	-0.06772	2.08936	-0.05195	-0.01259	0.01314
172	39.5	3	-4	0.52502	2.98888	0.25204	0.97829	0.02306	1.8685	0.01848	0.06455	-0.14321
173	39.5	4	-4	0.59203	2.97756	0.2128	0.94842	0.03486	1.71859	-0.15227	0.03043	-0.16646
174	39.5	5	-4	0.50562	3.05777	0.12197	0.90407	0.04757	2.23204	-9.68892E-4	0.02801	-0.0813
175	39.5	6	-4	0.19324	3.12362	0.09877	0.91591	0.03496	2.0072	-0.07036	-0.00945	0.02215
176	39.5	7	-4	0.03082	3.18691	0.06548	0.8855	0.09925	1.90216	0.01826	0.03332	0.09714
177	39.5	8	-4	0.12225	3.17516	-0.01947	0.93032	0.12727	2.12348	0.06377	0.02975	0.18957
178	39.5	9	-4	0.32351	3.42893	0.10785	0.88484	0.05751	2.21615	-0.08548	-0.00517	0.48131
179	39.5	10	-4	0.12324	3.16429	0.09797	0.78025	0.049	2.09511	0.02868	0.08518	0.04112
180	39.5	11	-4	-0.11788	3.38389	0.05746	0.83792	0.00495	2.13975	-0.08316	0.01678	-0.02385

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.

1	48.5	11	7	0.0706	2.91425	0.00675	0.87952	-0.07979	1.93367	0.05929	0.02507	0.14053
2	48.5	10	7	0.4452	3.24814	0.00126	0.98864	0.00115	1.93899	-0.03107	7.70213E-4	0.35422
3	48.5	9	7	0.98893	3.26125	-0.03713	1.01182	0.04878	2.01591	0.191	-0.17384	0.40184
4	48.5	8	7	1.15661	3.25909	-0.10134	1.05059	0.09574	1.75898	0.26022	-0.07156	0.63593
5	48.5	7	7	1.54171	3.15626	-0.099	1.10139	0.26438	1.67997	0.25879	-0.10097	0.23476
6	48.5	6	7	1.58727	3.1473	-0.12727	1.10855	0.11684	1.78829	0.16167	-0.1142	0.085
7	48.5	5	7	1.71834	2.87738	-0.22786	1.09119	0.09385	1.71086	0.02527	-0.02341	0.28593
8	48.5	4	7	1.60735	3.11297	-0.26424	1.1466	0.10449	1.82638	-0.07508	0.01999	0.22256
9	48.5	3	7	1.57078	2.84517	-0.18875	1.15738	0.08398	1.7938	-0.11566	-0.0013	0.36456
10	48.5	2	7	1.60755	2.99076	-0.18997	1.07971	0.09666	1.77639	-0.12564	-0.05327	0.24965
11	48.5	1	7	1.50213	2.95834	-0.23912	1.12602	0.11319	1.77215	0.00916	0.00915	0.19412
12	48.5	0	7	1.09307	3.19694	-0.07296	1.05522	-0.00158	1.83337	-0.14997	-0.09204	0.27015
13	48.5	-1	7	1.00115	3.11578	-0.05974	1.04496	-0.02772	1.9289	-0.35015	-0.067	0.27842
14	48.5	-2	7	0.78487	3.01417	0.10861	1.06672	0.07778	2.192	-0.17232	0.0874	-0.07896
15	48.5	-3	7	0.45086	3.06678	0.16283	0.93896	-0.00129	1.98363	-0.13957	-0.03897	0.33945
16	48.5	-3	6	0.81507	3.27469	-0.01891	1.04992	0.03475	2.05175	-0.13347	0.06426	-0.02987
17	48.5	-2	6	1.03125	3.17656	0.02515	1.1439	0.12524	1.90294	-0.09331	0.00993	0.2007
18	48.5	-1	6	1.10377	3.11749	-0.02341	1.05431	-0.01993	1.7454	-0.15533	-0.10279	0.30859
19	48.5	0	6	1.4662	3.08683	-0.11796	1.16319	0.02473	1.6852	-0.22572	-0.04775	0.3015
20	48.5	1	6	1.62352	3.33267	-0.24316	1.10157	-0.07429	1.74439	-0.30193	0.01574	0.67469
21	48.5	2	6	1.71194	3.26253	-0.23234	1.05408	0.09007	1.65664	-0.22127	-0.02455	0.24986
22	48.5	3	6	1.87289	3.20427	-0.19307	1.06988	0.10521	1.68786	-0.09452	-0.02643	0.13277
23	48.5	4	6	1.67498	3.72044	-0.23169	1.15052	0.18385	1.65992	0.17456	0.07199	0.20826
24	48.5	5	6	1.50714	3.87364	-0.20598	1.10638	0.15179	1.8078	0.1468	-0.07343	0.27763
25	48.5	6	6	1.53139	3.43604	-0.20103	1.00931	0.11337	1.83496	0.16137	-0.15501	-0.21871
26	48.5	7	6	1.49795	3.30417	-0.18572	1.09519	0.11642	1.72722	0.3405	-0.09803	0.48194
27	48.5	8	6	1.31864	3.13113	-0.14042	1.07178	0.08124	1.95293	0.20042	0.05228	0.35867
28	48.5	9	6	1.0037	3.11052	-0.02158	1.019	0.16211	1.84537	0.22034	-0.1242	0.0384
29	48.5	10	6	0.838	3.09692	-0.10401	0.93698	0.16685	1.92993	0.14861	-0.04892	0.11632
30	48.5	11	6	0.53748	3.22118	-0.00895	0.8869	0.02458	1.93375	0.11135	0.05815	0.40037
31	48.5	11	5	0.63676	3.0445	-0.01521	0.95648	-0.01634	1.86966	0.20991	-0.10658	-0.01159
32	48.5	10	5	0.6251	3.08307	-0.0421	0.94479	-0.00865	1.89237	0.10542	0.00313	0.3307
33	48.5	9	5	0.85299	2.99322	-0.06453	1.01734	0.13372	2.02711	0.21002	-0.08266	0.09481
34	48.5	8	5	1.38604	3.01262	-0.12411	0.98761	0.11273	1.98418	0.14373	-0.02316	0.02012
35	48.5	7	5	1.56167	3.20115	-0.21497	1.14577	-0.04891	1.81416	0.04309	-0.06544	0.08763
36	48.5	6	5	1.59554	3.30251	-0.23924	1.06329	0.20029	1.69846	0.06925	-0.04997	0.47852
37	48.5	5	5	1.62453	3.55569	-0.16379	1.0819	0.04672	1.62201	0.06386	-0.06256	0.21137
38	48.5	4	5	1.91319	3.52042	-0.24495	1.06363	0.08832	1.69154	-0.04993	-0.13004	0.07253
39	48.5	3	5	1.84996	3.40833	-0.20207	1.06541	0.07776	1.65616	0.07907	0.09811	0.48573
40	48.5	2	5	1.93908	3.28738	-0.25899	1.1205	-0.05194	1.65043	0.02833	-0.02909	0.26096
41	48.5	1	5	2.09259	2.96846	-0.17692	1.05998	0.00101	1.63289	-0.14163	-0.03144	0.337
42	48.5	0	5	1.74261	3.22085	-0.1039	1.04633	-0.06566	1.73954	-0.18507	-0.0274	-0.01904
43	48.5	-1	5	1.58845	2.9909	-0.13793	1.08446	-0.09704	1.94976	-0.35	-0.00114	0.33746
44	48.5	-2	5	1.19803	3.38532	-0.06644	1.08157	-0.01606	1.85184	-0.22107	0.00886	-0.05625
45	48.5	-3	5	0.87432	3.19372	0.00329	1.05483	0.07127	1.71922	-0.24684	-0.12412	0.07857
46	48.5	-3	4	0.99155	3.08785	-0.00803	1.03001	-0.0042	1.90904	-0.17885	-0.09174	0.03849
47	48.5	-2	4	1.31812	3.24288	0.00402	1.10441	-0.09082	1.629	-0.34649	0.00587	0.16078
48	48.5	-1	4	1.69485	3.35737	-0.15162	1.1034	0.10646	1.57056	-0.1948	0.11428	0.36111
49	48.5	0	4	1.9743	3.00127	-0.14014	1.12192	-0.09506	1.71163	-0.15018	0.06029	-0.01325
50	48.5	1	4	2.1296	3.14903	-0.24023	1.16691	-0.0299	1.68668	-0.07443	-0.07055	0.34362
51	48.5	2	4	1.96284	3.61231	-0.27283	1.09465	0.05386	1.8256	0.27818	-0.0048	-0.21707
52	48.5	3	4	2.04744	3.65064	-0.28857	1.02778	0.08875	1.99246	0.03193	-0.17829	0.01769
53	48.5	4	4	2.15151	3.21084	-0.29003	1.07969	0.10778	1.72287	-0.02963	-0.08801	0.07486

54	48.5	5	4	1.9783	3.20463	-0.25853	1.0379	0.13689	1.66582	0.12787	0.05026	0.24002
55	48.5	6	4	1.99263	3.1036	-0.27298	1.09822	0.15525	1.69657	0.05222	-0.0385	-0.32952
56	48.5	7	4	1.82279	3.09571	-0.13032	1.06609	0.09867	1.55219	0.16043	0.04561	0.24293
57	48.5	8	4	1.29713	3.38475	-0.11859	1.05784	0.1825	1.77003	0.2159	-0.06398	0.13989
58	48.5	9	4	1.02021	3.36982	-0.09929	1.05673	0.01267	1.74026	0.30581	-0.02676	0.01876
59	48.5	10	4	0.49776	3.38309	-0.04252	0.98374	-0.00758	1.7356	0.08912	-0.03513	0.02397
60	48.5	11	4	0.52865	3.01631	-0.05772	1.00966	0.04464	1.87309	0.34717	0.06956	0.04401
61	48.5	11	3	0.17489	3.28079	-0.15283	1.20588	0.01286	1.80194	0.18406	-0.06448	0.0416
62	48.5	10	3	0.13821	3.45068	-0.15058	1.0552	0.12206	1.77538	-0.14249	-0.11745	-0.47282
63	48.5	9	3	0.89765	3.12845	-0.15377	1.47418	0.14789	2.05929	0.03427	0.15684	-0.05074
64	48.5	8	3	1.07224	3.14681	-0.31129	1.27596	0.12598	1.88624	0.14308	-0.10166	0.04102
65	48.5	7	3	1.33938	3.36931	-0.30316	1.25963	-0.05043	1.77487	0.26607	0.05933	0.16321
66	48.5	6	3	1.59547	3.21934	-0.34891	1.20286	0.09481	1.80906	0.10851	-0.05475	-0.04709
67	48.5	5	3	1.91571	3.32028	-0.39382	1.1801	0.11832	1.74233	0.04961	-0.06531	-0.03494
68	48.5	4	3	2.00462	3.30106	-0.32812	1.15989	0.14929	1.79094	0.26904	0.02755	-0.15001
69	48.5	3	3	1.97103	3.47457	-0.33798	1.2	-0.02204	1.80875	-0.06409	-0.04545	-3.2017E-4
70	48.5	2	3	1.67405	3.75526	-0.30112	1.105	-0.0217	1.92363	-0.19994	-0.06588	-0.4165
71	48.5	1	3	2.11766	3.58735	-0.27234	1.21952	0.02526	1.92776	-0.2357	-0.18206	-0.24486
72	48.5	0	3	1.76886	3.39565	-0.33801	1.36421	0.10117	2.0113	0.02825	0.00132	0.11996
73	48.5	-1	3	1.49107	3.68804	-0.21242	1.27001	0.04517	1.82905	-0.17184	0.04404	0.10797
74	48.5	-2	3	1.15746	3.4534	-0.12424	1.3194	0.0061	1.848	-0.26184	-0.09707	-0.01246
75	48.5	-3	3	0.73008	3.35769	-0.02867	1.37202	-0.11814	1.91964	-0.45042	-0.15211	0.30776
76	48.5	-3	2	0.66492	3.69592	-0.15518	1.39026	-0.1036	2.19127	-0.28644	0.06931	-0.2291
77	48.5	-2	2	1.37296	2.93849	-0.0797	1.11667	-0.08816	1.73411	-0.10265	0.15583	-0.12201
78	48.5	-1	2	1.78477	3.02562	-0.21559	1.27638	-0.04992	2.00936	-0.1962	0.00285	-0.17357
79	48.5	0	2	1.99246	3.02126	-0.23308	1.23575	-0.01509	1.74314	-0.33429	-0.0649	-0.226
80	48.5	1	2	2.21557	2.95444	-0.31215	1.23863	0.02773	1.6629	-0.12999	-0.05115	-0.14057
81	48.5	2	2	2.12769	3.15912	-0.24722	1.33413	-0.01828	1.85111	-0.19425	-0.00988	0.02831
82	48.5	3	2	2.23089	3.27257	-0.33789	1.32247	-0.0771	1.80481	0.05308	-0.02851	-0.04943
83	48.5	4	2	1.76654	3.13811	-0.31219	1.25473	0.05717	1.55182	0.18368	-0.01289	-0.09177
84	48.5	5	2	1.60551	3.32865	-0.30914	1.26731	-0.05824	1.7849	0.1317	-0.03727	0.00636
85	48.5	6	2	1.16891	3.25945	-0.25801	1.21498	0.01119	1.76906	0.12171	0.09499	-0.09185
86	48.5	7	2	1.33625	3.43404	-0.20884	1.2186	0.08797	1.57207	0.38648	-0.02421	-0.26134
87	48.5	8	2	0.84546	3.10025	-0.16983	1.14717	0.07526	1.78197	0.13894	0.04924	0.21397
88	48.5	9	2	0.92382	2.84978	-0.2153	1.24505	0.02527	2.03864	0.11897	-0.00878	0.36158
89	48.5	10	2	0.67297	2.97922	-0.15026	1.32706	0.12411	1.87502	0.35332	0.07131	0.23822
90	48.5	11	2	0.57617	2.77284	-0.13493	1.25501	-0.00113	1.91222	0.19342	-0.03333	0.28581
91	48.5	11	1	0.30719	2.81207	-0.21061	1.29701	0.01335	2.02659	0.1187	0.11511	-0.02253
92	48.5	10	1	0.30981	3.1553	-0.19137	1.33868	0.00752	1.84781	0.10919	-0.01948	0.05251
93	48.5	9	1	0.81358	2.86398	-0.21863	1.12693	0.15745	1.70926	0.12634	-0.0765	0.05195
94	48.5	8	1	1.22518	2.72603	-0.19018	1.1129	-0.03381	1.89034	0.36321	-0.0689	-0.05313
95	48.5	7	1	1.27301	2.81278	-0.13667	1.16857	-0.01406	1.81736	0.30082	0.04966	-0.1493
96	48.5	6	1	1.42206	3.12988	-0.17867	1.30464	-0.05194	2.00456	0.01241	-0.00369	0.14463
97	48.5	5	1	1.72733	2.69946	-0.38797	1.2935	0.00932	1.67352	-0.16103	-0.01164	0.15336
98	48.5	4	1	1.724	3.30664	-0.36151	1.42611	0.01479	1.97175	0.30067	0.0235	-0.03535
99	48.5	3	1	1.93711	3.06316	-0.37557	1.40549	0.06899	1.70198	0.00253	0.09323	0.10477
100	48.5	2	1	1.91659	3.13322	-0.31754	1.21897	-0.05041	1.70229	0.07645	-0.11349	0.06497
101	48.5	1	1	1.83745	3.18478	-0.24152	1.23701	-0.06154	1.63282	-0.22845	0.07297	-0.06373
102	48.5	0	1	1.96705	2.99042	-0.2236	1.33081	-0.1751	1.75288	-0.04449	-0.15007	-0.09209
103	48.5	-1	1	1.38762	3.18236	-0.19098	1.21716	-0.06018	1.58997	-0.07948	0.00185	0.03592
104	48.5	-2	1	0.80935	3.01343	-0.05305	1.15383	-0.07404	1.76381	-0.07235	0.03433	0.10844
105	48.5	-3	1	0.2191	3.11365	-0.08689	1.21962	-0.09813	1.82822	-0.13645	-0.17358	-0.1809
106	48.5	-3	0	0.12784	3.25632	-0.13679	1.20584	-0.03412	1.6642	-0.36688	0.11249	-0.2634

107	48.5	-2	0	0.21864	3.51022	-0.04128	1.27632	-0.06896	1.88206	-0.11143	-0.0151	-0.23092
108	48.5	-1	0	0.81995	3.23895	-0.12552	1.33101	-0.01454	1.78439	-0.23929	-0.25372	-0.04706
109	48.5	0	0	1.21978	3.40833	-0.19111	1.26221	-0.16206	1.73659	-0.19416	0.0452	-0.0445
110	48.5	1	0	1.19564	3.458	-0.21005	1.4609	-0.08595	1.73013	-0.11799	-0.01928	0.19671
111	48.5	2	0	1.14248	3.62026	-0.14035	1.34608	0.00663	1.83184	-0.03795	-0.08775	-0.04472
112	48.5	3	0	1.51819	3.07773	-0.21841	1.22158	-0.11617	1.8619	-0.08896	-0.00328	-0.0828
113	48.5	4	0	1.56657	2.77002	-0.33729	1.3824	0.05099	1.83063	0.19066	0.0085	0.02327
114	48.5	5	0	1.37373	2.75074	-0.19178	1.13957	0.089	1.9118	0.16217	0.06465	0.01108
115	48.5	6	0	1.17136	2.79858	-0.29763	1.17815	-0.01734	1.85129	0.10235	0.01154	-0.14852
116	48.5	7	0	0.90851	2.90008	-0.16886	1.21421	0.01715	1.94768	-0.10137	0.06476	-0.29342
117	48.5	8	0	0.66247	2.77815	-0.19763	1.11137	0.06414	2.05494	0.13291	0.00765	0.12195
118	48.5	9	0	0.46997	2.70895	-0.18322	1.08677	0.12056	1.99187	-0.01695	-0.04568	-0.19542
119	48.5	10	0	0.29139	2.7987	-0.10143	1.04939	0.16776	2.26657	0.27104	0.05088	-0.3709
120	48.5	11	0	0.41166	2.54666	-0.15594	1.09427	0.00647	2.06553	0.0915	0.01471	-0.24553
121	48.5	11	-1	0.28258	2.44117	-0.12396	1.13865	0.00776	2.16672	-0.04722	0.03524	-0.02651
122	48.5	10	-1	0.15213	2.76721	-0.11498	1.08838	0.02362	1.99344	-0.09992	-0.01511	-0.20677
123	48.5	9	-1	0.53977	2.84259	-0.15134	1.10319	-0.03035	2.05377	0.07625	0.10525	-0.09365
124	48.5	8	-1	0.49373	2.73136	-0.18732	1.09382	-0.04243	1.90337	0.10352	-0.0456	-9.40089E-4
125	48.5	7	-1	0.77883	2.91787	-0.19802	1.18226	0.01677	1.95326	0.07326	0.15449	0.27683
126	48.5	6	-1	0.57758	2.97351	-0.23705	1.10369	0.04113	1.87332	-0.03565	0.03543	-0.1214
127	48.5	5	-1	0.99654	2.87271	-0.19054	1.17115	-0.05449	1.77872	0.34647	0.06016	-0.37644
128	48.5	4	-1	1.28569	2.80163	-0.20368	1.15081	-0.01281	2.0863	-0.01476	-0.01983	-0.15084
129	48.5	3	-1	1.36438	2.85472	-0.20961	1.19555	-0.05792	1.8933	-0.11737	-0.07966	0.15019
130	48.5	2	-1	1.68862	2.66306	-0.21117	1.16868	-0.00214	1.91237	0.108	-0.00627	-0.46337
131	48.5	1	-1	1.53889	3.02252	-0.13745	1.15705	-0.15988	1.93867	-0.09977	-0.10116	-0.04104
132	48.5	0	-1	1.42354	2.97582	-0.14641	1.20541	-0.08125	1.73093	-0.26634	-0.0297	-0.00743
133	48.5	-1	-1	1.26984	2.75352	-0.03986	1.19697	-0.07262	1.97158	-0.05521	-0.05231	-0.03328
134	48.5	-2	-1	0.62112	2.83206	-0.03074	1.21215	-0.1963	1.91725	-0.2341	-0.16214	-0.22365
135	48.5	-3	-1	0.18744	2.63285	0.02054	1.04321	-0.08572	2.21061	-0.11109	-0.0339	-0.4044
136	48.5	-3	-2	0.26221	2.73206	0.02538	1.03098	-0.05992	1.95706	-0.15446	0.01895	-0.02089
137	48.5	-2	-2	0.43103	2.7485	0.06749	0.98056	-0.07415	2.03826	0.12049	0.1642	0.13374
138	48.5	-1	-2	0.92098	2.70522	0.04053	1.0665	-0.19401	1.86903	-0.13869	-0.05644	-0.39148
139	48.5	0	-2	0.98969	3.00056	0.02884	1.12838	-0.08028	1.74778	-0.11382	0.0211	-0.12267
140	48.5	1	-2	1.17763	2.70406	0.00479	1.15829	-0.26025	1.94016	-0.24803	0.03523	-0.06744
141	48.5	2	-2	1.24851	2.76374	-0.0527	1.13595	-0.08225	1.93604	-0.05117	0.0587	-0.35911
142	48.5	3	-2	1.1069	2.78356	-0.04832	1.19123	-0.14084	1.88026	-0.00824	0.17391	-0.178
143	48.5	4	-2	1.21965	2.67991	-0.03441	1.09669	-0.07281	1.97544	-0.07674	0.09727	-0.2631
144	48.5	5	-2	0.71234	2.71465	-0.19068	1.12565	0.03989	1.95562	-0.18476	0.01017	-0.31226
145	48.5	6	-2	0.24169	2.84435	-0.24009	1.14429	0.03191	1.89967	0.04665	0.06135	0.05017
146	48.5	7	-2	0.45523	3.17388	-0.13943	1.35203	0.19248	2.30531	0.23938	0.20954	-0.17628
147	48.5	8	-2	0.26607	3.18675	-0.27692	1.54447	0.0414	1.9082	0.13996	-0.04211	0.16693
148	48.5	9	-2	0.35218	3.0033	-0.15191	1.5016	0.10759	1.97178	0.20946	-0.04702	-0.02734
149	48.5	10	-2	-0.03803	3.19143	-0.08245	1.27665	0.06394	2.2432	-0.01959	-0.05496	-0.12137
150	48.5	11	-2	0.00784	3.24617	-0.06262	1.63526	0.14398	2.16658	-0.27825	0.04974	-0.0998
151	48.5	11	-3	-0.19451	3.09495	-0.14452	1.53733	0.07815	1.98931	0.24977	-0.01457	-0.35171
152	48.5	10	-3	-0.11614	2.99355	-0.14832	1.51185	0.08411	2.14009	0.10596	0.10516	0.19507
153	48.5	9	-3	0.07171	3.02695	-0.07243	1.56424	0.19613	1.91632	0.15362	0.0793	0.11208
154	48.5	8	-3	-0.15028	3.17334	-0.16595	1.46463	-0.08429	2.04765	-0.00311	0.16481	0.05925
155	48.5	7	-3	0.12581	3.04874	-0.19467	1.53486	0.02647	2.17557	0.19322	0.3316	0.14623
156	48.5	6	-3	0.64515	3.36461	-0.21645	1.52376	0.13149	2.57244	0.12384	0.12879	0.03085
157	48.5	5	-3	0.62791	3.00549	-0.08828	1.36664	0.13206	2.22558	-0.00858	0.00956	-0.12086
158	48.5	4	-3	0.87044	3.07138	-0.01211	1.50705	-0.07942	2.27916	0.12796	0.08412	-0.35143
159	48.5	3	-3	0.65713	3.00409	-0.01565	1.23014	-0.01791	1.837	-0.12983	0.091	0.05462

160	48.5	2	-3	0.78571	3.1254	0.12087	1.17355	-0.08845	1.63123	0.03426	0.13038	-0.14514
161	48.5	1	-3	0.74465	2.9746	0.04938	1.2999	-0.14228	1.7565	-0.33146	0.01778	-0.06408
162	48.5	0	-3	1.07112	2.84823	0.04126	1.28809	-0.2147	1.7583	0.0298	0.05715	-0.36529
163	48.5	-1	-3	0.11673	2.97063	-0.06721	1.31568	-0.0501	1.77849	-0.13768	-0.02877	0.19972
164	48.5	-2	-3	0.13006	2.7654	-0.05451	1.14377	-0.14739	1.77221	-0.0403	-0.08892	-0.16657
165	48.5	-3	-3	2.0392E-5	2.95386	0.00274	1.42752	-0.19076	1.98575	-0.17657	-0.09067	-0.28777
166	48.5	-3	-4	-0.13284	3.04344	0.02388	1.2958	-0.12691	1.90785	-0.14805	-0.02856	0.29158
167	48.5	-2	-4	-0.24615	3.13985	0.03276	1.15218	0.06788	1.80577	0.00615	0.07777	-0.03054
168	48.5	-1	-4	0.03764	2.93552	0.02114	1.21266	-0.09316	1.86358	0.13646	-0.02034	0.20998
169	48.5	0	-4	0.38585	3.01465	0.17373	1.20949	-0.18836	1.90003	0.2863	0.05005	-0.13777
170	48.5	1	-4	0.53755	3.06079	0.13575	1.19912	-0.18611	1.85478	-0.10123	0.01291	-0.09507
171	48.5	2	-4	0.50223	2.96037	0.13241	1.29135	-0.25284	1.74141	-0.07311	0.06507	-0.04192
172	48.5	3	-4	0.72198	2.94379	0.11533	1.15441	-0.03456	1.6554	-0.11497	0.03299	0.16773
173	48.5	4	-4	0.55568	2.96623	0.06075	1.17501	-0.08899	1.83625	-0.0254	-0.00172	0.34877
174	48.5	5	-4	0.38744	2.85824	-0.04531	1.21642	-0.0657	1.71214	-0.04075	-0.03231	0.16432
175	48.5	6	-4	0.00406	2.8382	-0.0818	1.31123	0.04549	1.84787	0.23787	-0.09092	-0.10868
176	48.5	7	-4	0.11901	2.76779	-0.02048	1.45753	0.09055	1.88945	0.1422	-0.01901	-0.03253
177	48.5	8	-4	-0.00752	3.09019	-0.0586	1.20702	0.15458	2.15862	-0.02686	-0.04465	0.23118
178	48.5	9	-4	-0.1899	2.95145	0.00198	1.24831	0.07522	1.93676	0.14284	0.07436	-0.15003
179	48.5	10	-4	-0.25004	3.06427	0.00508	1.25639	0.23063	2.02203	0.18985	-0.06206	-0.31469
180	48.5	11	-4	-0.20089	3.06981	0.05625	1.1268	0.12986	2.07683	-0.04263	-0.03471	0.21971

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	57.5	11	7	-0.10108	3.76816	-0.13533	2.19925	-0.28507	2.09149	0.05483	-0.08782	0.05181
2	57.5	10	7	0.21163	3.61214	-0.25939	2.14065	0.12318	2.27704	0.3287	-0.03315	0.14606
3	57.5	9	7	0.46108	3.6206	-0.30774	2.07341	-0.01481	2.05723	0.06511	-0.04163	0.17536
4	57.5	8	7	0.91586	3.22727	-0.2647	2.18901	0.1225	2.10164	0.09491	-0.095	0.67308
5	57.5	7	7	0.97607	3.26163	-0.18277	2.08249	0.03831	1.89495	0.16303	0.18644	0.39981
6	57.5	6	7	0.98788	3.11684	-0.2599	2.07606	0.02929	1.83885	-0.24452	-0.1483	-0.15578
7	57.5	5	7	1.35038	3.06712	-0.36089	1.84282	0.07639	1.72618	0.15484	0.12858	0.18344
8	57.5	4	7	1.35851	2.95316	-0.31827	1.78626	0.1186	1.86347	-0.00591	0.0191	0.25853
9	57.5	3	7	1.62758	3.04034	-0.37088	1.56247	0.05272	1.64609	0.15706	0.14683	0.14057
10	57.5	2	7	1.54918	2.79347	-0.32156	1.62693	0.11437	1.55315	-0.0714	0.05846	0.19781
11	57.5	1	7	1.34604	2.8914	-0.27817	1.84144	0.11448	1.69982	-0.0779	-0.05837	0.12814
12	57.5	0	7	1.11221	3.10875	-0.33293	1.90749	0.09347	1.81145	-0.5121	-0.08705	0.33891
13	57.5	-1	7	1.28146	2.9119	-0.10546	1.93565	0.18783	1.90891	0.01957	-0.0099	0.49618
14	57.5	-2	7	1.17642	3.26055	-0.18173	1.9379	0.01701	2.13424	-0.01847	-0.1269	0.37928
15	57.5	-3	7	0.71084	2.99173	-0.05952	1.884	0.04872	2.02272	-0.05153	-0.09474	0.22287
16	57.5	-3	6	0.49471	3.30039	-0.03553	1.7509	0.03931	2.18899	0.25943	0.049	0.03952
17	57.5	-2	6	0.9247	3.68373	-0.20087	1.8111	0.09414	1.97495	-0.06428	-0.09094	0.11323
18	57.5	-1	6	1.24128	3.42843	-0.31874	2.14793	0.21632	2.0228	-0.20237	0.08345	-0.02418
19	57.5	0	6	1.12286	3.54868	-0.15191	1.92437	0.09455	2.04066	-0.3085	-0.16359	0.10421

20	57.5	1	6	1.34593	3.70478	-0.07884	1.95261	0.24505	1.96073	0.00141	0.12544	-0.03817
21	57.5	2	6	1.13795	3.59182	-0.48592	1.73276	0.04627	2.21997	-0.01396	-0.10893	0.52378
22	57.5	3	6	0.97126	3.66986	-0.22712	1.89991	0.11178	2.04416	-0.23445	-0.18885	0.62036
23	57.5	4	6	1.03747	3.77488	-0.20891	1.8544	0.18694	1.86186	-0.19247	-0.20809	0.35475
24	57.5	5	6	1.15704	3.37084	-0.31225	1.72587	0.24267	2.06095	0.0872	0.0509	0.22345
25	57.5	6	6	1.17597	3.31	-0.30882	1.81936	0.17301	2.16178	0.08341	0.04698	0.26381
26	57.5	7	6	1.1896	3.16071	-0.24861	1.90343	0.2131	2.03067	0.23339	-0.25864	-0.01272
27	57.5	8	6	0.81764	3.41013	-0.22187	2.17975	0.0435	2.30873	0.09523	-0.18833	0.39815
28	57.5	9	6	0.44407	3.46755	-0.32312	1.86222	-0.06058	2.24924	0.36956	-0.07358	0.25467
29	57.5	10	6	0.59701	3.36995	-0.25058	1.92245	0.10437	2.49617	0.29312	-0.32353	0.3356
30	57.5	11	6	0.168	3.44798	-0.20218	2.09237	0.08299	2.33697	0.33673	-0.00206	0.61631
31	57.5	11	5	0.85379	3.61032	-0.23893	2.04805	0.11306	1.88425	0.0402	-0.20404	-0.45194
32	57.5	10	5	0.92692	3.55272	-0.19604	2.23347	0.08814	2.00826	0.46008	0.18158	0.17395
33	57.5	9	5	0.92425	3.34409	-0.17503	2.00343	0.04077	1.96894	0.26155	-0.23234	-0.10424
34	57.5	8	5	0.8253	3.527	-0.26839	2.01573	0.09252	1.97858	0.37494	0.02029	-0.07264
35	57.5	7	5	0.87163	3.16538	-0.21988	1.87539	0.0994	1.77402	-0.05462	-0.06594	0.1391
36	57.5	6	5	1.10985	3.5427	-0.29196	1.71861	0.01764	1.94542	0.27524	0.06151	0.7239
37	57.5	5	5	0.97958	3.6013	-0.19343	1.84202	0.12247	1.96232	0.48084	0.01248	-0.17584
38	57.5	4	5	1.23289	3.72724	-0.30564	2.00279	0.18739	1.93741	0.36373	-0.0111	-0.02796
39	57.5	3	5	1.08952	3.86639	-0.08791	1.98252	8.1194E-4	1.89934	0.03213	0.07484	0.19907
40	57.5	2	5	1.51334	3.39591	-0.30261	1.6598	0.04175	1.8701	0.12656	-0.24916	0.19141
41	57.5	1	5	1.77035	2.98615	-0.30148	1.81654	0.07452	1.74103	-0.20552	-0.04202	0.21327
42	57.5	0	5	1.41205	2.82085	-0.16056	1.89066	0.10711	1.66195	-0.23833	0.13283	0.31866
43	57.5	-1	5	1.52554	2.97116	-0.2029	1.64062	0.0724	1.74121	-0.09323	0.07994	0.16354
44	57.5	-2	5	1.27388	2.95872	-0.22664	1.62891	-0.01361	1.81827	-0.30255	0.0769	0.2846
45	57.5	-3	5	0.73166	2.87274	-0.09197	1.90603	0.04106	2.08735	0.13306	-0.20863	0.14432
46	57.5	-3	4	0.77643	2.97182	-0.10106	1.93694	0.07198	1.74934	-0.23725	0.02741	0.1972
47	57.5	-2	4	1.49969	2.60754	-0.10424	1.66631	-0.07826	1.62998	-0.08589	-0.207	0.11317
48	57.5	-1	4	1.65846	2.73395	-0.07344	1.80489	-0.06041	1.63545	-0.17765	-0.12664	-0.06599
49	57.5	0	4	2.04668	2.6888	-0.33621	1.57763	0.03439	1.52608	-0.40339	0.08117	0.30078
50	57.5	1	4	2.15918	2.65918	-0.21657	1.48629	-0.06684	1.58972	-0.19933	0.03534	-0.10646
51	57.5	2	4	2.25822	2.58122	-0.22262	1.57509	-0.04921	1.48475	0.0514	0.06878	0.1537
52	57.5	3	4	1.75022	3.08153	-0.27739	1.52009	-0.0142	1.63901	-0.05331	-0.04304	0.05972
53	57.5	4	4	1.59247	3.10889	-0.25964	1.67469	0.04125	1.72852	0.03514	0.021	0.01959
54	57.5	5	4	1.76835	2.86084	-0.35101	1.92528	-0.04434	1.97305	-0.01289	-0.04419	0.22518
55	57.5	6	4	1.50629	2.99621	-0.23352	1.78695	0.02781	1.93002	0.59972	0.03779	0.05015
56	57.5	7	4	1.56562	2.96527	-0.304	1.74876	0.02774	1.92399	0.17522	0.05773	0.08522
57	57.5	8	4	1.22442	2.7614	-0.2741	1.60217	0.05496	1.97729	0.11477	0.09029	-0.17036
58	57.5	9	4	1.10955	2.8332	-0.14846	1.65619	-0.04809	1.82315	0.43599	-0.10979	-0.06678
59	57.5	10	4	0.78228	2.92743	-0.25875	1.63434	0.10369	2.0071	0.43706	-0.02392	-0.13183
60	57.5	11	4	0.90486	2.47885	-0.15653	1.45435	0.0113	1.8513	0.34093	-0.04471	-0.08048
61	57.5	11	3	0.69197	2.64915	-0.15069	1.40299	-0.04427	1.75382	0.11584	-0.15697	-0.00206
62	57.5	10	3	0.75399	2.7796	-0.06318	1.69526	0.05351	1.78637	0.18701	0.01339	-0.15775
63	57.5	9	3	1.19279	2.61546	-0.22778	1.79182	0.08994	1.74857	0.20116	-0.15702	-0.09855
64	57.5	8	3	1.18042	2.72836	-0.2627	1.86773	-0.02465	1.96141	0.08066	0.02538	0.00887
65	57.5	7	3	1.53761	2.7669	-0.35024	1.82779	0.07517	1.82254	0.0636	0.00495	0.07516
66	57.5	6	3	1.73706	2.53468	-0.34667	1.78999	-0.12668	1.66761	0.22809	0.07552	-0.08342
67	57.5	5	3	1.74847	2.74516	-0.32222	1.74296	0.04191	1.71489	-0.1158	-0.03972	0.06373
68	57.5	4	3	1.74904	2.92462	-0.27943	1.59651	-0.04672	1.56059	0.02228	0.06145	0.0889
69	57.5	3	3	1.67512	3.0972	-0.23811	1.55561	-0.09695	1.56615	-0.07577	-0.1253	-0.04089
70	57.5	2	3	1.7652	3.00905	-0.34392	1.60925	-0.01489	1.77223	0.10151	0.07482	-0.01431
71	57.5	1	3	2.31928	2.56909	-0.19147	1.83533	-0.01669	1.7801	-0.28951	-0.16023	0.41289
72	57.5	0	3	1.86135	2.78875	-0.1489	1.73365	-0.03315	1.58743	0.08284	0.12581	0.01861

73	57.5	-1	3	1.50955	2.64571	-0.16264	1.54039	-0.06008	1.65335	-0.35984	-0.14763	0.06507
74	57.5	-2	3	1.47193	2.621	-0.10815	1.46302	-0.03183	1.56879	-0.25084	0.1001	-0.11042
75	57.5	-3	3	0.84144	2.71299	-0.35763	1.70819	-0.03715	1.66126	-0.1552	-0.16643	0.10869
76	57.5	-3	2	0.6933	2.80341	-0.22571	1.81022	-0.04059	1.72022	-0.20143	0.19299	-0.32179
77	57.5	-2	2	0.90491	3.0732	-0.02605	1.81663	-0.07297	1.78693	-0.05178	-0.05796	-0.06009
78	57.5	-1	2	0.96492	3.36273	-0.15031	1.68925	-0.03002	1.72181	0.42467	0.00779	0.02034
79	57.5	0	2	1.5743	3.19128	-0.30453	1.77422	-0.07048	1.7348	0.19126	0.15471	0.04665
80	57.5	1	2	1.77551	3.20285	-0.31235	1.64563	-0.09476	1.59684	-0.1324	-0.03374	-0.0594
81	57.5	2	2	2.09613	2.81316	-0.2662	1.71085	-0.02933	1.49219	-0.08639	0.05884	0.21658
82	57.5	3	2	2.16375	2.6154	-0.29181	1.50546	-0.07263	1.45164	0.04525	-0.20498	-0.01309
83	57.5	4	2	1.82354	2.96118	-0.24671	1.4158	-0.00311	1.58975	-0.03773	-0.01205	-0.01068
84	57.5	5	2	1.70806	2.50038	-0.4006	1.27319	-0.05127	1.67534	0.1913	-0.02853	0.09513
85	57.5	6	2	1.69305	2.41435	-0.41377	1.74047	-0.06302	1.36923	0.22139	0.0811	0.01404
86	57.5	7	2	1.46606	2.71182	-0.41548	1.68644	-0.0973	1.65951	0.03629	0.01158	0.11285
87	57.5	8	2	1.32022	2.4513	-0.36527	1.82435	0.05574	1.46906	0.13488	-0.06914	-0.07732
88	57.5	9	2	0.8653	2.46779	-0.1541	1.55135	0.13353	1.80454	0.21295	-0.03893	-0.13484
89	57.5	10	2	0.40296	2.93096	-0.27392	1.93765	-0.01621	1.95547	0.47116	-0.19	0.13415
90	57.5	11	2	0.52089	2.62616	-0.15541	2.03725	0.07679	1.70353	0.21142	-0.08216	0.1071
91	57.5	11	1	0.44173	2.81093	-0.16879	2.16399	0.14547	1.80271	0.32958	-0.00716	0.16879
92	57.5	10	1	0.70169	2.48105	-0.28734	2.17258	-8.55406E-4	1.84845	0.32665	0.03707	0.14376
93	57.5	9	1	0.88525	2.69149	-0.3028	1.95135	-0.02509	1.90181	0.25987	-0.03913	-0.16276
94	57.5	8	1	0.76032	2.69849	-0.29566	1.74914	0.03063	1.79894	0.25864	-0.09506	-0.0823
95	57.5	7	1	0.86171	2.96162	-0.3532	1.61545	-0.02539	1.86178	0.20524	0.03744	-0.13596
96	57.5	6	1	1.05272	3.07631	-0.52212	1.74578	-0.0428	1.87415	0.01365	-0.0015	0.20932
97	57.5	5	1	1.1796	2.97478	-0.34274	1.43709	-0.03022	1.39911	0.28232	-0.03828	-0.18826
98	57.5	4	1	1.72034	2.74166	-0.22642	1.51789	-0.02019	1.54414	0.05765	-0.0253	-0.22148
99	57.5	3	1	2.16861	2.57507	-0.22523	1.25466	-0.15072	1.48903	0.1294	0.07863	-0.15262
100	57.5	2	1	1.98926	2.77122	-0.23398	1.37918	-0.16559	1.42729	-0.02126	-0.01885	-0.19852
101	57.5	1	1	1.97905	2.80416	-0.33577	1.46515	-0.146	1.55194	-0.12523	0.06222	-0.41477
102	57.5	0	1	1.72411	2.64406	-0.25588	1.68804	-0.15255	1.49926	0.00659	0.07463	-0.26319
103	57.5	-1	1	1.57821	2.5455	-0.28983	1.92281	-0.21298	1.48967	-0.05778	-0.07057	-0.11596
104	57.5	-2	1	1.18697	2.43755	-0.22113	1.79166	-0.10548	1.56357	-0.24748	0.05151	-0.02185
105	57.5	-3	1	0.77414	2.58467	-0.11778	1.68242	-0.17825	1.74244	-0.31965	0.06563	-0.0861
106	57.5	-3	0	0.81152	3.01684	-0.24223	1.88007	-0.15257	1.72341	-0.24724	-0.04821	-0.15632
107	57.5	-2	0	0.97282	2.9877	-0.12026	1.44753	-0.22995	1.67861	-0.2987	-0.09469	0.23227
108	57.5	-1	0	1.50791	2.66059	-0.32016	1.82376	-0.15965	1.61546	-0.11646	-0.16622	0.17967
109	57.5	0	0	1.57594	2.95452	-0.20912	2.05545	-0.05665	1.66799	0.33239	-0.01814	-0.20192
110	57.5	1	0	1.70769	2.92021	-0.12687	1.8588	-0.10785	1.56075	-0.23258	-0.11597	-0.0849
111	57.5	2	0	1.53551	3.36668	-0.27282	1.78285	-0.0646	1.65231	-0.20048	0.03214	-0.09814
112	57.5	3	0	1.63734	3.04407	-0.1352	1.71723	-0.11831	1.82002	-0.04439	-0.07029	-0.23935
113	57.5	4	0	1.74138	3.10546	-0.19803	1.96583	-0.14927	1.86768	0.05709	0.1102	-0.04049
114	57.5	5	0	1.28015	3.40184	-0.32354	1.99377	-0.044	1.9201	0.28613	-0.05629	-0.26369
115	57.5	6	0	0.97035	3.28375	-0.29644	1.97396	-0.01544	2.05408	0.41844	0.01407	0.58876
116	57.5	7	0	0.77457	3.17212	-0.29818	2.24576	-0.00314	1.99785	0.15474	-0.1305	0.13839
117	57.5	8	0	0.53207	3.25374	-0.26666	2.05605	-0.00392	1.95198	0.64126	0.08895	0.25164
118	57.5	9	0	0.36256	3.47077	-0.04475	2.06424	0.0407	1.84215	0.24992	0.29984	0.16323
119	57.5	10	0	0.45636	2.72063	-0.11293	2.15149	0.03376	1.97494	0.2712	0.00352	0.05058
120	57.5	11	0	0.42804	2.85854	-0.08736	2.13587	0.04127	1.80948	0.20085	-0.22524	-0.06624
121	57.5	11	-1	0.27245	2.78128	-0.26493	2.13704	-0.00793	2.01752	0.41392	0.00293	-0.00997
122	57.5	10	-1	0.42607	2.45545	-0.13845	1.61997	0.00174	2.05612	-0.00122	0.10173	0.05928
123	57.5	9	-1	0.78885	2.27958	-0.22324	1.96479	-0.06197	2.07136	-0.01784	-0.07637	0.11742
124	57.5	8	-1	0.9534	2.40185	-0.15383	1.94922	-0.04281	1.7943	0.02709	0.04684	0.01671
125	57.5	7	-1	0.90118	2.58801	-0.36212	2.01977	-0.10277	1.85339	0.16198	-0.22147	0.05289

126	57.5	6	-1	1.15109	2.63283	-0.2297	1.78776	-0.06527	1.73341	-0.16649	0.01831	0.128
127	57.5	5	-1	1.3795	2.38704	-0.29795	1.65175	-0.22838	1.94878	-0.02484	0.30547	0.07961
128	57.5	4	-1	1.64207	2.47959	-0.28153	1.63614	-0.23329	1.44158	-0.17869	-0.04036	-0.12536
129	57.5	3	-1	1.95812	2.34717	-0.17767	1.7021	-0.34446	1.67787	-0.07151	-0.06952	0.01691
130	57.5	2	-1	1.62035	2.58445	-0.20839	1.71422	-0.18609	1.57387	0.21803	0.00265	-0.13614
131	57.5	1	-1	1.62816	2.768	-0.16212	1.49003	-0.17942	1.59227	-0.03851	0.08807	-0.20054
132	57.5	0	-1	1.48173	3.09319	-0.21526	1.6797	-0.19822	1.94341	0.20324	-0.18872	0.12552
133	57.5	-1	-1	1.41914	3.21158	-0.24512	2.10859	-0.01842	1.97942	0.20764	-0.1057	-0.41581
134	57.5	-2	-1	0.94315	3.36151	-0.03017	2.2961	-0.04888	1.97656	-0.05141	-0.16978	0.10078
135	57.5	-3	-1	0.61762	3.11881	-0.17477	2.07023	-0.14844	2.18071	0.08814	0.0408	0.00508
136	57.5	-3	-2	0.35933	3.188	-0.13424	2.03418	-0.18225	1.77914	-0.36377	0.04372	0.17823
137	57.5	-2	-2	0.54672	3.42526	-0.12825	2.10229	-0.04923	2.1115	0.31895	0.15081	0.52775
138	57.5	-1	-2	0.87674	3.40551	-0.0417	1.93758	-0.27399	1.92866	-0.12429	0.02034	-0.26978
139	57.5	0	-2	1.20114	3.10122	-0.13156	1.82057	-0.23568	1.85187	-0.13866	-0.00865	0.01426
140	57.5	1	-2	1.06885	3.42706	-0.14623	1.82845	-0.03831	1.93873	0.07784	-0.01562	-0.64588
141	57.5	2	-2	1.00686	3.12044	0.00882	1.70988	-0.1594	1.61276	-0.04591	0.08333	-0.18632
142	57.5	3	-2	1.16632	3.41157	-0.11527	1.75059	-0.1025	2.26905	-0.024	0.05844	-0.2163
143	57.5	4	-2	1.04324	3.21784	-0.09358	1.82051	-0.14275	2.20271	-0.19728	0.0602	0.00836
144	57.5	5	-2	0.96024	3.30275	-0.17329	1.95521	-0.10569	2.21105	-0.03103	0.08512	-0.20188
145	57.5	6	-2	0.75147	3.34432	-0.1646	1.87688	-0.10214	1.89124	-0.20144	0.06025	0.0687
146	57.5	7	-2	0.50569	3.15875	-0.24239	2.14379	0.02751	2.3308	0.40041	0.03719	0.01317
147	57.5	8	-2	0.49019	3.0736	-0.24728	1.96995	-0.08548	2.15112	-0.09482	0.0617	-0.00207
148	57.5	9	-2	0.3899	3.04683	-0.19529	2.04114	-0.02926	2.27289	0.12088	-0.01478	-0.16242
149	57.5	10	-2	-0.00185	3.17122	-0.2587	2.2945	0.12161	2.06703	0.49153	0.17342	0.01588
150	57.5	11	-2	-0.4811	3.70906	-0.14514	2.15248	0.28012	2.01207	-0.11244	0.23552	-0.15888
151	57.5	11	-3	-0.44544	3.50531	-0.13882	1.63067	0.20589	2.28376	0.27246	0.18266	0.25466
152	57.5	10	-3	-0.24977	3.85806	0.01055	1.93557	0.14292	2.38842	-0.03413	0.20852	0.64061
153	57.5	9	-3	-0.12413	3.77096	-0.11443	1.89989	-0.00472	2.30931	-0.28654	0.14487	-0.05905
154	57.5	8	-3	-0.03493	3.45687	-0.10144	1.78946	0.03214	2.18781	0.24246	-0.02435	-0.246
155	57.5	7	-3	0.21861	3.46129	-0.05587	1.61573	-0.08821	2.14018	0.08887	-0.02342	0.24478
156	57.5	6	-3	0.32815	3.55525	-0.12348	1.94022	-0.06984	1.91464	0.16397	0.05724	-0.29136
157	57.5	5	-3	0.26851	3.50752	-0.09939	1.71493	-0.08454	1.95102	0.25476	-0.13733	-0.0371
158	57.5	4	-3	0.75706	3.27674	-0.05988	1.64704	-0.1678	1.83513	0.16207	0.02457	-0.17453
159	57.5	3	-3	0.87201	3.18061	-0.0652	1.59193	-0.08362	1.90447	-0.02662	-0.06307	-0.12628
160	57.5	2	-3	0.77554	3.40525	-0.18625	1.88031	-0.08421	2.08783	-0.05428	-0.03005	-0.09777
161	57.5	1	-3	0.7072	3.38226	-0.08224	1.67456	-0.20883	1.97197	-0.06128	0.10668	0.07546
162	57.5	0	-3	0.99326	3.11685	-0.13588	1.72167	-0.3164	1.88339	-0.00883	-0.07168	0.16377
163	57.5	-1	-3	0.79339	3.07286	-0.07946	1.48851	-0.15717	1.85795	-0.23533	0.00256	0.02316
164	57.5	-2	-3	0.47048	3.26095	-0.04128	1.47994	-0.21052	2.14175	-0.16311	0.03933	-0.04612
165	57.5	-3	-3	0.1187	3.4512	-0.1261	1.82808	-0.0986	2.33203	0.19032	0.00706	-0.13429
166	57.5	-3	-4	0.15939	3.32979	-0.07299	1.78264	-0.33601	2.01029	-0.25545	0.02196	0.39186
167	57.5	-2	-4	0.45383	2.92923	0.00353	1.38831	-0.28695	2.07571	-0.19309	0.07838	-0.0201
168	57.5	-1	-4	0.36604	3.45811	-0.05105	1.83414	-0.16324	2.03226	-0.12253	-0.04514	-0.12349
169	57.5	0	-4	0.48308	3.30187	-0.17197	1.7091	-0.17022	2.04106	0.02604	0.0657	-0.2413
170	57.5	1	-4	0.60123	3.40144	-0.00448	1.74755	-0.39938	1.85772	-0.22906	0.01141	0.18292
171	57.5	2	-4	0.55157	3.14981	0.045	1.62626	-0.1167	2.04051	0.37157	-0.10447	-0.06058
172	57.5	3	-4	0.96263	3.00191	0.09758	1.35853	-0.14622	1.93186	-0.24313	0.05739	-0.15031
173	57.5	4	-4	0.58477	3.00308	0.01526	1.48332	-0.02731	1.98669	-0.23923	0.00846	0.00464
174	57.5	5	-4	0.67338	3.43623	-0.12924	1.8673	-0.03555	2.19657	0.13648	0.09531	-0.56526
175	57.5	6	-4	0.28444	3.40286	-0.02935	1.79663	0.03154	2.28591	-0.04798	0.06805	-0.33831
176	57.5	7	-4	0.02082	3.51415	-0.17986	2.08867	-0.12451	2.18472	-0.02197	0.16185	-0.13371
177	57.5	8	-4	-0.098	3.33215	0.04912	1.81306	0.11245	2.24162	0.3982	0.21956	-0.19939
178	57.5	9	-4	-0.12578	3.19437	-0.01463	1.72322	0.13169	1.95778	-0.24575	0.07181	-0.0158

179	57.5	10	-4	0.04338	2.88774	-0.09472	2.13294	0.15042	2.44452	0.36463	0.22793	0.06231
180	57.5	11	-4	-0.01855	2.84855	-0.12472	1.85522	0.0235	2.12937	0.0452	0.08441	-0.18059

Data Spread Sheet File for Interior of Explorer Test.
Settings: Heater/AC Fan run at 14 volts, processed data

RUN.	XPOS	YPOS	ZPOS	UMean	Usd	VMean	Vsd	WMean	Wsd	u.v.	v.w.	u.w.
1	66.5	11	7	0.31246	2.66532	-0.12173	1.38871	-0.05005	2.03012	0.06114	-0.00232	0.23731
2	66.5	10	7	0.42032	2.8766	-0.17112	1.34895	-0.07446	2.01956	0.19383	-0.03749	0.23394
3	66.5	9	7	0.25659	2.9296	-0.21607	1.18893	-0.02545	1.76565	0.26613	-0.02908	0.11048
4	66.5	8	7	0.51302	3.42788	-0.21917	1.55816	0.07379	2.08354	-0.03679	-0.04548	0.28981
5	66.5	7	7	0.75454	3.18262	-0.13898	1.25529	0.04067	1.96525	0.15645	-0.12687	0.17354
6	66.5	6	7	1.03586	2.91084	-0.21786	1.29615	0.12563	1.81486	0.29222	-0.02009	0.11608
7	66.5	5	7	1.19614	3.16852	-0.19216	1.41867	-0.11698	1.9727	0.15767	0.11674	0.62542
8	66.5	4	7	1.39488	2.71712	-0.21839	1.27427	0.19537	1.56432	0.23484	-0.03529	0.13951
9	66.5	3	7	1.4901	2.89944	-0.25118	1.19053	0.19133	1.64985	-0.02406	-0.08315	0.29498
10	66.5	2	7	1.2498	2.94795	-0.09167	1.32692	0.07113	1.77984	-0.19242	-0.02145	0.11709
11	66.5	1	7	1.18656	3.11046	-0.0751	1.10069	0.17496	1.75155	-0.20708	-0.17622	0.06928
12	66.5	0	7	0.90629	3.09117	-0.05202	1.14123	0.21417	1.61715	-0.30579	-0.03364	0.36049
13	66.5	-1	7	0.89526	3.03238	-0.02893	1.16178	0.12499	1.54638	-0.08777	0.0025	0.23365
14	66.5	-2	7	0.65283	2.813	-0.10708	1.1804	0.07052	1.71341	-0.34534	0.03254	0.08016
15	66.5	-3	7	0.71102	2.73511	-0.08266	1.17202	0.05927	1.82045	-0.20438	0.02605	-0.24384
16	66.5	-3	6	0.74445	2.96352	-0.07934	1.23914	0.14843	1.86617	0.07687	0.04752	0.41103
17	66.5	-2	6	0.84478	2.85358	-0.10698	1.47848	0.12857	1.69597	-0.30378	-0.06186	-0.05057
18	66.5	-1	6	1.27724	2.8272	-0.17673	1.1786	0.13823	1.78854	-0.36735	-0.17966	0.38063
19	66.5	0	6	1.3043	2.75575	-0.0938	1.11558	0.09285	1.64122	-0.15012	-0.02634	0.0183
20	66.5	1	6	1.4375	2.7149	-0.11875	1.0479	0.11581	1.49889	-0.10815	-0.04228	0.25717
21	66.5	2	6	1.53937	2.95121	-0.14314	1.24207	0.1419	1.77772	-0.15502	0.04849	-0.01244
22	66.5	3	6	1.78263	2.51553	-0.11895	0.98421	0.19398	1.7481	0.04032	-0.02261	-0.17972
23	66.5	4	6	1.71265	2.82428	-0.14082	1.02961	0.08179	1.59647	0.04008	0.04129	0.06389
24	66.5	5	6	1.44143	2.61307	-0.23913	1.24148	0.14521	1.64209	0.11736	0.01907	0.28284
25	66.5	6	6	1.01685	3.11563	-0.1782	1.44248	0.04715	1.9236	0.23366	-0.21986	-0.05923
26	66.5	7	6	0.97275	3.08322	-0.21459	1.36799	-0.01091	1.76459	0.21845	-0.07268	-0.14328
27	66.5	8	6	0.55914	2.84815	-0.23994	1.24545	0.11829	1.54632	0.13166	-0.11498	0.64774
28	66.5	9	6	0.40186	2.65966	-0.21909	1.32171	0.02608	1.63249	0.07466	-0.09503	0.28766
29	66.5	10	6	0.29023	2.65666	-0.16794	1.4553	0.02943	1.78165	-0.02425	-0.0308	0.25075
30	66.5	11	6	0.17273	2.62329	-0.20525	1.60001	-0.12556	1.96788	0.12221	-0.14076	0.28597
31	66.5	11	5	0.20517	2.6438	-0.17893	1.22184	0.09324	1.79651	0.15071	0.11785	-0.15835
32	66.5	10	5	0.2694	3.06129	-0.16842	1.54616	0.0898	2.06831	0.09508	-0.042	0.41701
33	66.5	9	5	0.25884	3.21065	-0.23785	1.53089	-0.10757	1.94043	0.07428	-0.12606	-0.14394
34	66.5	8	5	0.67607	3.0857	-0.21001	1.65747	-0.02583	1.89446	0.25028	-0.02252	0.17866
35	66.5	7	5	0.80108	3.27358	-0.13679	1.48942	-0.16401	2.02727	0.32906	-0.0035	0.23951
36	66.5	6	5	0.76383	3.03466	-0.19496	1.12839	-0.01246	1.57579	0.23883	0.0045	0.14002
37	66.5	5	5	1.11246	3.18656	-0.21617	1.2978	0.13416	1.88186	0.31298	0.10345	0.34765
38	66.5	4	5	1.41629	3.06656	-0.05579	1.29071	0.15375	1.62873	0.42122	0.07146	0.04701
39	66.5	3	5	1.83207	2.86587	-0.17025	1.16329	0.13825	1.57218	-0.17092	0.02473	0.13925
40	66.5	2	5	1.57492	3.09779	-0.14113	1.12734	0.08861	1.82781	-0.09503	0.00893	-0.20221

41	66.5	1	5	1.61789	2.97979	-0.18576	1.16098	0.0752	1.68152	-0.08914	-0.0029	-0.08444
42	66.5	0	5	1.35349	2.94356	-0.05866	1.10955	0.02513	1.6019	-0.02656	0.05364	-0.28817
43	66.5	-1	5	1.28923	2.94514	-0.10316	1.27571	0.00183	1.57061	-0.10418	-0.07332	-0.0785
44	66.5	-2	5	1.22107	2.79087	-0.03882	1.11026	0.04172	1.74916	-0.00153	0.06751	0.12952
45	66.5	-3	5	1.03814	2.95797	-0.06702	1.23632	0.17986	1.93824	-0.11963	-0.1708	-0.09132
46	66.5	-3	4	0.98341	2.89244	-0.13524	1.28141	0.08025	1.6761	-0.12607	0.02624	-0.03169
47	66.5	-2	4	1.0241	3.34714	-0.13233	1.63662	0.03183	1.90954	-0.23286	-0.10476	-0.23006
48	66.5	-1	4	1.21834	3.20315	-0.11373	1.43623	0.15829	1.82135	-0.25933	-0.04752	-0.2178
49	66.5	0	4	1.67175	2.87696	-0.04553	1.44881	0.02083	1.75742	-0.31529	0.00703	0.05355
50	66.5	1	4	1.58221	3.14561	-0.16998	1.27441	0.10146	1.66135	-0.11853	-0.07716	0.04969
51	66.5	2	4	1.33245	3.29465	-0.2444	1.42043	0.14974	1.69156	0.17578	0.13967	0.23052
52	66.5	3	4	1.15967	3.49613	-0.21688	1.28421	0.07522	1.67901	0.07805	-0.1265	0.3156
53	66.5	4	4	1.18316	3.39008	-0.26698	1.64262	0.12778	1.62041	0.18353	0.03305	0.0077
54	66.5	5	4	1.18259	3.15033	-0.13398	1.14302	0.01491	1.55057	0.12268	0.10969	0.25794
55	66.5	6	4	0.95489	3.30432	-0.18811	1.25307	0.08799	1.82247	0.01295	-0.02065	-0.17505
56	66.5	7	4	0.9596	2.98427	-0.12773	1.41798	0.04214	1.65408	0.07647	0.00265	-0.00287
57	66.5	8	4	0.80481	2.87588	-0.17573	1.17101	-0.03848	1.55389	0.17366	-0.08895	0.17775
58	66.5	9	4	0.53996	2.83602	-0.15221	1.15795	0.05583	1.58702	0.25554	0.00452	0.35451
59	66.5	10	4	0.4772	2.5441	-0.08703	1.16313	0.03001	1.50155	0.1963	-0.0506	-0.10324
60	66.5	11	4	0.2141	2.98454	-0.22682	1.38697	-0.00966	1.70606	-0.02074	0.00267	-0.08553
61	66.5	11	3	0.48403	3.25129	-0.17766	1.32614	0.05655	2.06892	0.02488	-0.05673	0.09151
62	66.5	10	3	0.34235	2.91413	-0.18804	1.19365	-0.00249	1.90799	-0.01688	-0.09009	-0.18532
63	66.5	9	3	0.29239	3.05965	-0.18074	1.30376	-0.13638	1.69348	0.08182	-0.03924	0.05771
64	66.5	8	3	0.42135	3.07964	-0.28055	1.24669	0.05652	1.86286	0.14801	0.01119	0.12939
65	66.5	7	3	0.76059	3.10479	-0.22941	1.19018	0.0829	1.62664	0.26307	0.09362	-0.01777
66	66.5	6	3	1.05301	3.164	-0.23466	1.35275	0.0483	1.84884	0.10662	-0.12136	0.00983
67	66.5	5	3	1.24612	3.01155	-0.20917	1.21948	0.01468	1.52482	0.01535	0.00234	-0.0589
68	66.5	4	3	1.36678	3.31086	-0.24444	1.23048	0.00292	1.68035	0.07837	-0.0526	0.00134
69	66.5	3	3	1.31387	3.16969	-0.26551	1.41416	0.07196	1.62386	-0.05696	0.04484	0.06678
70	66.5	2	3	1.32426	3.19655	-0.16369	1.34541	0.04686	1.59455	-0.0442	0.0383	0.36547
71	66.5	1	3	1.20645	3.36308	-0.09678	1.1527	0.08187	1.65286	-0.28719	0.02572	-0.2922
72	66.5	0	3	1.18779	3.10825	-0.11245	1.21423	0.11338	1.62685	-0.22101	0.00766	-0.18415
73	66.5	-1	3	1.09434	3.30993	-0.1834	1.36483	0.02231	1.64214	-0.13144	-0.03556	0.0109
74	66.5	-2	3	1.15032	2.98086	-0.17543	1.25732	0.00981	1.61155	-0.20317	-0.11114	0.16817
75	66.5	-3	3	0.77427	3.1086	-0.13405	1.26937	0.01839	1.53758	-0.19477	-0.07299	-0.06917
76	66.5	-3	2	0.4811	3.31823	-0.14283	1.2221	0.02276	1.89339	-0.15873	0.08347	0.19013
77	66.5	-2	2	0.70762	3.37065	-0.06384	1.41028	0.05562	1.59559	-0.164	-0.12086	-0.28436
78	66.5	-1	2	1.02945	3.42924	-0.21976	1.28742	0.09211	1.61301	-0.20796	0.06513	-0.28841
79	66.5	0	2	1.13594	3.23613	-0.17136	1.29277	-0.09486	1.48229	-0.06976	-0.11495	-0.06599
80	66.5	1	2	1.26227	3.21108	-0.1998	1.12126	0.03273	1.54345	-0.012	-0.00226	-0.17414
81	66.5	2	2	1.32021	3.04283	-0.24626	1.26872	-0.02967	1.57567	0.08457	0.06269	0.14124
82	66.5	3	2	1.45938	3.21338	-0.15225	1.36092	0.00223	1.43577	0.04107	-0.00189	-0.039
83	66.5	4	2	1.30891	3.37761	-0.20196	1.22806	0.02107	1.69503	0.1506	0.03063	0.25415
84	66.5	5	2	1.0893	3.24191	-0.24868	1.38543	0.0568	1.69715	-0.23175	-0.03234	-0.30093
85	66.5	6	2	0.66412	3.17313	-0.27099	1.30159	-0.02475	1.83539	0.2752	0.0435	0.1524
86	66.5	7	2	0.41739	3.13591	-0.13789	1.28496	-0.02869	1.81998	0.05159	0.15608	0.15227
87	66.5	8	2	0.30517	3.49931	-0.2092	1.72546	0.04964	1.88982	-0.31074	0.08984	-0.07592
88	66.5	9	2	0.19918	3.21701	-0.1175	1.32409	0.09783	1.98987	0.04218	-0.07749	0.10194
89	66.5	10	2	0.36648	2.72416	-0.11826	1.29252	-0.02459	1.77306	0.11182	0.11227	-0.01291
90	66.5	11	2	0.08716	2.93568	-0.12583	1.20476	0.0623	1.51617	0.34831	-0.02242	-0.15847
91	66.5	11	1	0.02748	2.91459	-0.09798	1.20032	0.05855	1.62659	0.07781	-0.11662	-0.07316
92	66.5	10	1	0.00723	3.12115	-0.21111	1.4129	0.05838	1.66362	0.05462	0.04978	0.23711
93	66.5	9	1	0.43289	2.84897	-0.13388	1.20971	-0.12385	1.54375	0.30013	0.16451	0.0239

94	66.5	8	1	0.33236	3.23423	-0.21861	1.35834	0.02537	1.55488	0.33032	-0.0624	-0.04377
95	66.5	7	1	0.12696	3.43178	-0.21016	1.30323	0.02482	1.5597	0.04501	-0.00166	-0.33777
96	66.5	6	1	0.59715	3.21196	-0.14557	1.35575	-0.05838	1.54822	-0.02779	-0.00445	0.08124
97	66.5	5	1	0.82493	3.24335	-0.18637	1.32304	-0.15984	1.42817	0.13475	-0.0957	0.23301
98	66.5	4	1	1.28136	3.09573	-0.15649	1.29622	-0.03171	1.46301	0.01344	-0.06366	0.05672
99	66.5	3	1	1.2087	3.26594	-0.14412	1.20779	0.08166	1.56808	-0.07187	-0.04506	-0.04946
100	66.5	2	1	1.17332	3.28068	-0.12492	1.11757	0.0071	1.47615	-0.04276	0.02334	-0.00573
101	66.5	1	1	1.14221	3.23194	-0.16229	1.29492	-0.04932	1.37011	-0.03024	0.00105	-0.22541
102	66.5	0	1	0.80049	3.36864	-0.22331	1.33492	-0.00674	1.33867	-0.07158	0.02248	0.01793
103	66.5	-1	1	0.73368	3.52811	-0.0756	1.3884	-0.08296	1.66689	0.10672	0.0176	-0.08655
104	66.5	-2	1	0.25857	3.53339	-0.18153	1.36938	-0.03659	1.74717	-0.39708	0.00695	-0.11519
105	66.5	-3	1	0.5336	3.5034	-0.1796	1.42111	-0.12693	1.59988	-0.18608	0.02322	0.33594
106	66.5	-3	0	0.5089	3.34817	-0.208	1.27974	0.02528	1.90255	-0.14684	-0.14208	-0.0282
107	66.5	-2	0	0.68437	3.4781	-0.22169	1.37521	-0.13531	1.99588	-0.29799	0.04222	0.00823
108	66.5	-1	0	0.78045	3.65834	-0.09932	1.36249	-0.03842	1.78799	-0.11965	0.05603	0.08482
109	66.5	0	0	0.95477	3.4445	-0.16509	1.64364	-0.03006	1.56351	-0.1243	0.02654	-0.10324
110	66.5	1	0	1.1472	3.39892	-0.10337	1.5132	-0.04205	1.47597	-0.12536	0.04632	-0.41099
111	66.5	2	0	0.92684	3.55129	-0.16326	1.42431	-0.12718	1.66057	0.21581	-0.03902	-0.15458
112	66.5	3	0	0.69677	3.65848	-0.07474	1.38743	-0.01219	1.65665	-0.04553	0.07983	-0.44438
113	66.5	4	0	0.67051	3.58157	-0.21445	1.41485	-0.01677	1.72085	0.09832	-0.08226	-0.11026
114	66.5	5	0	0.58999	3.56017	-0.18763	1.55221	0.04452	1.62758	-0.01397	0.07495	0.02676
115	66.5	6	0	0.29307	3.60069	-0.19741	1.50567	0.0018	1.55755	0.33089	-0.09761	-0.07061
116	66.5	7	0	0.3879	3.3674	-0.18651	1.28682	0.02018	1.73538	-0.09932	-0.09545	-0.06854
117	66.5	8	0	0.41438	3.38837	-0.17011	1.20961	-0.01246	1.66225	-0.09944	-0.09453	0.28019
118	66.5	9	0	0.15824	3.42079	-0.11527	1.16767	-3.59039E-4	1.88748	0.15343	0.02913	0.08737
119	66.5	10	0	0.09107	3.48112	-0.23782	1.62121	-0.08864	1.91193	0.17727	-0.08928	0.04743
120	66.5	11	0	0.10437	3.20329	-0.25361	1.53259	0.05151	2.00165	-0.20926	-0.08724	0.15152
121	66.5	11	-1	-0.27805	3.50216	-0.11913	1.51388	0.01686	1.70685	0.26514	-0.12529	-0.32002
122	66.5	10	-1	-0.29422	3.55279	-0.06605	1.46281	0.03592	2.003	0.48975	0.21559	-0.03078
123	66.5	9	-1	-0.00475	3.60184	-0.14883	1.49618	0.009	1.79444	-0.06908	-0.00257	0.09944
124	66.5	8	-1	-0.20913	3.31952	-0.13538	1.51335	-0.00306	1.62141	0.07752	0.05753	-0.08851
125	66.5	7	-1	0.05144	3.50274	-0.11299	1.51377	0.08238	1.5972	-0.24107	4.21582E-4	0.24091
126	66.5	6	-1	0.04856	3.5783	-0.27854	1.35733	-0.03597	1.76639	-0.02129	0.00805	-0.05433
127	66.5	5	-1	0.59871	3.49225	-0.15656	1.3424	0.01796	1.70153	0.12479	0.03946	-0.3262
128	66.5	4	-1	0.61855	3.32043	-0.13678	1.44847	-0.04843	1.57994	0.10897	0.00409	0.2511
129	66.5	3	-1	0.39844	3.54463	-0.02361	1.37878	-0.08577	1.58666	0.06179	0.17532	-0.14162
130	66.5	2	-1	0.62962	3.31942	-0.06069	1.25941	-0.1303	1.7508	-0.00268	-0.10029	8.72598E-4
131	66.5	1	-1	0.57626	3.4344	-0.13476	1.87255	-0.10166	1.65613	-0.33674	-0.05288	-0.01998
132	66.5	0	-1	1.01727	3.11976	-0.18044	1.89675	0.01057	2.04539	0.18266	-0.06997	-0.27088
133	66.5	-1	-1	0.84203	3.12805	-0.12485	1.74327	-0.15848	1.9149	-0.19493	0.21749	-0.16723
134	66.5	-2	-1	0.61943	3.11487	-0.29679	1.91431	-0.1225	1.96149	0.08549	0.11468	0.11184
135	66.5	-3	-1	0.63606	3.16963	-0.30117	1.90103	-0.0128	1.99596	-0.38931	0.11734	0.18225
136	66.5	-3	-2	0.52735	3.09803	-0.25843	1.72856	-0.01261	1.99792	-0.09499	-0.10005	0.01748
137	66.5	-2	-2	0.38578	3.1333	-0.24936	1.8266	-0.14459	1.80225	0.06178	0.03457	0.06098
138	66.5	-1	-2	0.63006	3.27491	-0.14638	1.86022	-0.05923	1.83009	0.11	-0.00612	-0.10596
139	66.5	0	-2	0.77621	3.13901	-0.15338	1.47577	-0.02782	1.98109	0.16863	-0.10856	-0.51062
140	66.5	1	-2	0.82343	3.10957	-0.156	1.75573	-0.08443	1.86293	0.1246	0.04059	0.07864
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142	66.5	3	-2	0.91234	2.94038	-0.16749	1.92114	-0.04497	1.88922	-0.04681	-0.14919	-0.27268
143	66.5	4	-2	0.77047	3.0792	-0.12221	1.8767	-0.0116	2.09031	-0.04965	0.11	0.00559
144	66.5	5	-2	0.60718	2.95586	-0.18019	1.77289	-0.05672	1.58953	0.33476	-0.02285	-0.15371
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146	66.5	7	-2	0.24813	3.0434	-0.22513	1.92347	0.0741	1.94312	0.06322	0.03752	0.31379

147	66.5	8	-2	0.00311	3.17597	-0.10699	1.73025	-0.06997	1.94836	0.19253	0.11979	-0.1666
148	66.5	9	-2	0.02678	3.14707	-0.30656	1.95694	0.14815	2.19164	-0.2137	-0.16237	0.11578
149	66.5	10	-2	-0.28437	3.23624	-0.33698	2.04664	-0.01813	2.03139	0.38764	0.06374	-0.03072
150	66.5	11	-2	-0.24829	3.10674	-0.29635	2.20069	0.02196	1.71839	-0.22142	0.1575	0.06741
151	66.5	11	-3	-0.29249	3.2611	-0.21605	2.14615	0.08915	1.75305	0.03545	0.09515	0.12141
152	66.5	10	-3	-0.22828	3.11573	-0.37706	2.36474	0.07411	1.71177	0.38539	0.18113	0.2422
153	66.5	9	-3	-0.00882	3.08002	-0.31116	2.10256	-0.02949	1.73834	0.09254	0.09965	-0.09313
154	66.5	8	-3	0.3159	3.28907	-0.14062	1.69379	0.00863	1.72772	0.28537	0.09909	-0.08457
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156	66.5	6	-3	0.22681	3.31424	-0.29002	2.0934	-0.05537	1.52377	-0.26577	-0.14714	0.0335
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158	66.5	4	-3	0.65916	3.05471	-0.18119	2.022	-0.05942	1.63329	0.34414	-0.02663	0.02576
159	66.5	3	-3	0.7112	2.94646	-0.12613	1.78478	-0.15049	1.54265	0.15649	-0.09075	-0.10609
160	66.5	2	-3	0.63793	3.33475	-0.1168	1.82476	-0.1639	1.69613	0.01007	0.24036	-0.24944
161	66.5	1	-3	0.40705	3.24491	-0.08003	1.47556	-0.2511	1.67184	0.27222	-0.08921	-0.02137
162	66.5	0	-3	0.52703	3.06932	-0.06316	1.35186	-0.20671	1.47355	7.54435E-4	0.11331	0.32363
163	66.5	-1	-3	0.54596	3.10478	-0.13204	1.50366	-0.07236	1.76737	-0.38591	0.04725	-0.08308
164	66.5	-2	-3	0.53773	3.11077	-0.27578	1.875	-0.12699	1.59275	-0.099	0.08544	-0.12051
165	66.5	-3	-3	0.34781	3.22321	-0.23112	1.59656	-0.12795	1.78294	-0.17387	0.15296	9.58385E-4
166	66.5	-3	-4	0.27183	3.21292	-0.19923	2.05806	-0.21419	1.65584	-0.14984	-0.02665	0.20843
167	66.5	-2	-4	0.31432	3.14193	-0.06972	1.88477	0.0139	1.67867	-0.12363	0.13468	-0.06918
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170	66.5	1	-4	0.46964	2.95919	-0.08992	1.68542	-0.13061	1.59291	0.10279	0.20375	0.05334
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172	66.5	3	-4	0.4903	3.02086	-0.06534	1.71388	-0.20734	1.46714	0.08209	-0.11045	-0.05175
173	66.5	4	-4	0.58926	2.95034	-0.03549	1.50076	-0.15735	1.47375	0.10914	-0.14827	-0.14775
174	66.5	5	-4	0.41525	3.07212	-0.02522	1.73313	-0.09064	1.66947	0.2753	-0.15235	-0.2283
175	66.5	6	-4	0.43292	2.82931	-0.19129	1.65782	-0.04954	1.56767	-0.05899	0.00182	-0.19837
176	66.5	7	-4	0.16517	2.92209	-0.06994	1.85252	-0.01397	1.55892	0.17408	-0.15612	-0.0824
177	66.5	8	-4	0.24181	2.92139	-0.16595	2.0538	0.07057	1.66969	0.03185	-0.04359	0.02791
178	66.5	9	-4	-0.10276	2.94278	-0.20714	2.11956	0.13844	1.75934	0.00191	0.01489	-0.06537
179	66.5	10	-4	-0.23264	3.03872	-0.10242	2.31085	-0.01041	1.62477	0.05224	0.02448	-0.09036
180	66.5	11	-4	-0.20528	3.22942	-0.20547	1.92568	0.14762	1.61209	-0.09369	0.1623	0.41405

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The design of a modern automotive air handling system is a complex task. The system is required to bring the interior of the vehicle to a comfortable level in as short a time as possible. A goal of the automotive industry is to predict the interior climate of an automobile using advanced computational fluid dynamic (CFD) methods. The development of these advanced prediction tools will enable better selection of engine and accessory components. The goal of this investigation was to predict methods used by the automotive industry.

To accomplish this task three separate experiments were performed. The first was a laboratory setup where laser velocimeter (LV) flow field measurements were made in the heating and air conditioning unit of a Ford Windstar. The second involved flow field measurements in the engine compartment of a Ford Explorer, with the engine running idle. The third mapped the flow field exiting the center dashboard panel vent inside the Explorer, while the circulating fan operated at 14 volts. All three experiments utilized full-coincidence three-component LV systems. This enabled the mean and fluctuating velocities to be measured along with the Reynolds stress terms.

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