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**RECTANGULAR SUBSONIC JET FLOW
FIELD MEASUREMENTS**

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Nomenclature

| | |
|-----------------|--|
| C.C. | correlation coefficient |
| C.C. (uv) | U,V velocity correlation $[\overline{uv}/\sqrt{(\overline{uu}+\overline{vv})}]$ |
| C.C. (uw) | U,W velocity correlation $[\overline{uw}/\sqrt{(\overline{uu}+\overline{ww})}]$ |
| C.C. (vw) | V,W velocity correlation $[\overline{vw}/\sqrt{(\overline{vv}+\overline{ww})}]$ |
| [C] | color to orthogonal coordinate transformation matrix |
| D_h | hydraulic diameter $(4 \cdot H_1 \cdot H_2)/(2 \cdot (H_1 + H_2))$ |
| H_1 | jet width on minor axis (Y) (see Figure 3.) |
| H_2 | jet width on major axis (Z) (see Figure 3.) |
| k | turbulence kinetic energy $\frac{1}{2}(\overline{uu}+\overline{vv}+\overline{ww})$ |
| [K] | orthogonal to color coordinate transformation matrix |
| Me | momentum of Jet at nozzle exit (calculated) |
| M_X | total jet axial momentum at a given X location |
| Re | Reynolds number $(UeD_h\rho/\mu)$ |
| U_c | jet centerline velocity (local X) |
| U_e | nozzle exit velocity |
| u,v,w | cartesian fluctuating velocity ($u = U - \bar{U}$) |
| U,V,W | cartesian coordinate velocities |
| V_g, V_b, V_v | color coordinate velocities (green, blue, violet) |
| WF1 | statistical weighting factor of 1 |
| WFv | statistical weighting factor of $1/ \vec{V} $ |
| X,Y,Z | cartesian coordinates (inches) |
| \vec{V} | velocity vector |

Greek Letters

| | |
|--------------------------------|--|
| μ | molecular viscosity or micro ($\times 10^{-6}$) |
| ρ | density |
| $\theta_g, \theta_b, \theta_v$ | color coordinate rotation angles (green, blue, violet) |

Mathematical Symbols

| | |
|-----------|-------------------------|
| \bar{H} | time average (over bar) |
| | absolute value |

INTRODUCTION

The use of rectangular jets for thrust vectoring and enhanced mixing is now being used in the aerospace industry. The rectangular shape results in a three dimensional expansion and mixing pattern and hence, axisymmetric jet data is not applicable. The objective of this work was to measure and document these 3 dimensional effects.

This report presents flow field measurements of three subsonic rectangular cold air jets. The three cases presented had aspect ratios of 1x2 (25.4 x 50.8 mm) and 1x4 (12.7 x 50.8 mm) at a Mach number of 0.09 (30 m/s) and an aspect ratio of 1x2 (25.4 x 50.8 mm) at a Mach number of 0.9 (322.6 m/s). The Reynolds numbers based on the hydraulic diameter D_h for the low speed jets were 63,500 and 39,000 respectively, while the high speed case had a Reynolds number of 581,000. All measurements were made using a three dimensional laser Doppler anemometer system. The data is presented in tabular and graphical form. No analysis of the measured data or comparison to other published data is made in this report. Analysis and comparisons of the data are made in references 1, 2, 3 and 4.

Rectangular Nozzles

The rectangular jets were produced by smoothly converging fiberglass nozzles that had exit dimensions of 25.4 x 50.8 mm and 12.7 x 50.8 mm for the 1x2 and 1x4 aspect ratio jets respectively. These rectangular exits are 2 to 8 times larger than the nozzle or orifice widths used in previous experimental studies, Hsia et.al.⁵, Krothapalli et.al.⁶, and Marsters⁷. Each nozzle converged from a circular cross section of approximately 300 mm to the rectangular cross section. The rectangular cross section was maintained approximately 50 mm before the nozzle exit. See Appendix A for nozzle coordinates and drawings. The nozzle was attached to a plenum that provided laminar flow. The plenum consisted of a 300 mm diameter pipe with internal perforated plates, honeycomb, and fine screens. See Appendix A for the Plenum drawing. Measurements with both a pitot probe and the laser anemometer system have shown that a uniform velocity distribution was obtained over the exit plane area.

Air to the plenum was supplied by a screw type compressor and controlled by a electro-pneumatic throttling valve. Control of the

valve was by computer which monitored the nozzle entrance pressure and temperature. Computer scanning and valve updating was performed approximately every 2 seconds. Control was based on a constant exit velocity and was $\pm 1\%$ accurate. The air temperature entering the plenum was 23°C for the Mach number 0.09 case and 46°C for the Mach number 0.9 case. Assuming an isotropic acceleration of the jet, the nozzle exit temperatures were 22.5°C and 1.5°C respectively.

Three Dimensional Anemometer System

The three dimensional laser anemometer system used to make the measurements is capable of measuring three non orthogonal velocity components simultaneously. Through vector transformations the three orthogonal components of the velocity vector can then be resolved. By repeatedly sampling the velocity at a given spatial location (2048 to 4096 times) the mean velocity of the three orthogonal components, their respective variance and covariance can be calculated (Reynolds stress tensor components).

The optical portion of the laser anemometer system (see Figure 1) consists of an argon-ion laser from which three different colors are utilized (green, blue, and violet). Each color is used to measure a velocity component by the dual beam method. Each color optical train is equipped with its own light polarization unit, Bragg cell (40 MHz frequency shift), and photo multiplier tube. In the configuration used there were two optical paths, one mounted above the other with their respective axes intersecting at a 30° angle. The lower optical path transmitted the blue and green laser light and collected violet light scattered from the flow field seed particles (the seed particles were micron size pieces of titanium dioxide that were put in the jet flow to make it visible to the anemometer system). The top optical path transmitted the violet light and collected blue and green scattered light. Different optical arrangements were used for each of the jets measured, different arrangements were selected to optimize the quality and data rate of the anemometer system. The maximum composite measurement volume used was approximately $0.065 \times 0.065 \times 0.130$ mm in size.

The individual photo multiplier tubes used to measure the scattered light were equipped with color filters so that only the

specific color (blue, green, or violet) was sensed by the respective photo multiplier tube. Signals from the photo multiplier tubes were processed by individual counters (one for each velocity component). The counters were of the burst type and were interfaced together so that only data acquired at the same instant in time (within 10 to 50 μ second window) for all three velocity components was accepted as being valid (time coincident). The photo multiplier tubes and the counter systems had frequency responses of 200 MHz. Typical counter measured frequencies ranged between 40 and 65 MHz.

The titanium dioxide (TiO_2) seed particles were injected into the jet air supply just upstream of the nozzle plenum. A fluidized bed was used to prepare and control the injection rate into the air supply. The titanium dioxide from the fluidized bed had a measured average aerodynamic diameter of approximately 0.8 microns and a physical diameter of approximately 0.4 microns. See Figure 2 for measured seed size distribution. This small size resulted in a 3 dB frequency response of 75 kHz (see reference 8 for the calculation method). This response was sufficient to assure that the seed particles were following the flow fluctuations.

In order to accurately place the measurement volume in space, the entire optical system was mounted on a three degree of freedom traversing system which could locate the measurement volume in space with a maximum resolution of 0.0025 mm and a repeatable accuracy of 0.0102 mm. With the high resolution of the traversing system and the small effective measurement volume, thin shear layers could be accurately measured.

The entire laser anemometer system was interfaced to a Digital PDP 11/23+ computer system which was programmed to control the traverse system and record data supplied by the counters. In a post data acquisition mode this computer was also used to statistically analyses the recorded data. A real-time display of the color frequency distributions was provided by specially equipped PC type computer.

Data Acquisition

The spatial coordinate system used in all data taking is shown in Figure 3 and is described as follows: the origin was located in the center of the nozzle exit, the X coordinate (zero value in the nozzle

exit plane) extends in the jet flow direction (axial direction), the Y coordinate extends in the *minor axis* direction while the Z coordinate extends in the *major axis* direction. The *minor axis* and *major axis* always refer to the narrow and long planes of the rectangular nozzle exit respectively.

The flow fields were measured by extensively mapping one quadrant of the expanding jets and checks were made to assure symmetry. The spatial pattern used expanded with the jet by taking data in axial lines. The first point on any line occurred at $X = 0.2$ inches, the second point was at $X = 1$ inches, then 2 inches, and so on until $X = 19$ inches. The first point of 0.2 inches was used rather than $X = 0$ due to the laser beams being physically clipped in this position by the nozzle, while the 19 inches was maximum motion of the traversing system. The Y and Z locations for each line were chosen such that an entire quadrant of the exit was mapped, see Figure 4. By choosing a slope for each line the cross sectional measurement plane expanded with the jet. A different rate of expansion was chosen for the Y and Z directions such that the pattern started at $X = 0.2$ inches the same as the particular rectangular nozzle exit (1x2 or 0.5 x 2 inches) but, by $X = 17$ inches was a square (5 x 5 inches). This pattern change allowed for the different rates of jet expansion in the Y and Z planes and thus gave a maximum spatial resolution.

Boundary conditions for the jets were taken by measuring lines of data outside the area directly affected by the jet. Boundary condition data was taken on the minor axis, major axis planes and in the corner region. The shear layer thickness and turbulence quantities at the beginning of the nozzle ($X = 0.2$ inches) were measured in the minor and major axis planes by making small movements in the Y or Z direction only. This data may be used as an initial condition for computational comparison.

Approximately 1300 spatial locations were used in the mapping of each jet. At each spatial location 2048 to 4096 time coincidence velocity realizations were performed. The coincidence window used had a maximum time length of 10 or 50 μ s. Fifty μ -seconds was used in the 1x2 aspect ratio nozzle, Mach number of 0.09, while 10- μ seconds was used in the other two cases. In all cases, the window of time was

significantly smaller than the average time between usable Doppler signals as indicated by the individual counter validation rates (100-1000 Hz). The time coincidence requirement ensured that the individual component velocity measurements were taken close enough together so as to accurately represent the velocity vector at that time.

All flow measurements were done with the nozzle positioned horizontally in an enclosed Turbomachinery Laboratory test cell. Outside air was piped into the nozzle plenum and a single exit from the test cell was used to exhaust the jet air. The test cell had internal measurements of 3.7 meters deep, 4.9 meters wide, and 3.7 meters high (67 m³ volume). For the three flow case, 1x2, Mach 0.09, 1x4 Mach 0.09 and 1x2 Mach 0.9, the simple air exchange rate was 29, 58, and 2.7 minutes respectively.

The nozzle exit was placed in the test cell equidistant from the floor to the test cell ceiling. The nearest side wall was 1.4 meters from the nozzle exit, the wall behind the nozzle was 0.91 meters from the nozzle exit. The closest part of the anemometry system to the nozzle exit was 0.43 meters. Air for the jet was not recirculated but was exhausted outdoors through a 0.6 meter duct. The nozzle exit was 2.4 meters from the entrance to this exit. Considering the jet dimensions over which flow measurements were made was approximately 0.5 m long, 0.15 high and deep it is anticipated that the boundary effects were small.

All measured data was permanently recorded on 0.75 inch magnetic tape by the PDP computer.

Error Analysis

Errors and bias in the measurements can result from the laser Doppler anemometer system, flow field characteristics, and a combination of the anemometer system and flow field. Any error is then amplified by the transformation from the velocity component measurements to the orthogonal coordinate system of the velocity vector.

The laser Doppler anemometer system causes error through the superpositioning of high and low frequency noise on the Doppler signal and by counter clock resolution. The addition of high and low

frequency noise to the Doppler signal effects the location of the counter zero crossing which is used to time the Doppler burst. The error due to noise is unknown but appears to be small based on observation of the Doppler burst in laminar flow. The counter used in these measurements has a clock with a finite resolution of 1 nano second. In the presented flow field measurements this would attribute less than 1% error on any individual velocity validation.

Both of these system errors are small and random in character. As a result of being a random error they do not affect statistical mean quantities but do affect variance and covariance quantities.

Flow field characteristics that will cause measurement bias includes velocity bias, uneven seed distribution and insufficient data bias. Velocity bias is based on the idea that in a uniformly seeded flow, a greater number of fast moving particles will traverse the measurement volume than will slower moving particles in a given time interval. Thus, the measured mean velocity will be higher than the real velocity. This type of bias can not be corrected during data acquisition but can be identified and corrected by statistical processing, McLaughlin and Tiederman⁹. Further discussion on velocity biasing is covered in the data processing section of this report.

Uneven seed distribution will cause the same results as velocity bias. In free jet measurements there is a high degree of fluid entrainment into the jet. If the entrained air is not seeded or is low in seed density the entrained jet air cannot be seen by the anemometry system and biasing will occur. To minimize this problem, the data was taken in an enclosed test cell with a single exhaust to the outdoors. All air into the test cell came from the jet and thus very quickly the test cell air builds up in seed density to that of the jet. The exception to this was the high speed measurements in which some fresh air was allowed into the test cell due to pressure difference difficulties.

Insufficient data bias occurs when not enough data samples are taken to accurately describe the velocity population distribution of the turbulent flow. Reference 10 describes that the number of samples required to achieve a given confidence interval is a function of the velocity distribution shape. The higher the skewed distribution the

greater the number of samples required. In the measured low speed jet data 2048 samples per spatial location were taken while 4096 samples were taken for the high speed data.

The degree of flow field phenomena error is unknown. This type of error results in an error in the measured velocity mean value, variance and covariance.

Error due to the combination of the anemometer system and flow field is incomplete signal bias (fringe bias). The burst type counters are set to validate data only if a minimum number of Doppler cycles are counted (higher number of cycles reduces error due to noise and clock resolution). If a particle traverses the probe volume at an angle to the fringe plane, an insufficient number of fringes may be crossed. This problem was minimized through frequency shifting (fringe pattern motion) using a Bragg cell on each color. This was done for all the low speed data. For the high speed data a Bragg cell could not be used due to measurement problems. To overcome this, the fringe pattern of each color was rotated 45° to the axial direction of the jet. This approach works well as long as the measured frequency is higher than the Doppler pedestal frequency and there is no significant cross sectional velocity. As a result, the high speed data was limited to the high axial speed regions.

Any error in the measurement of the velocity components may be amplified by the transformation from the velocity component measurements to the orthogonal coordinate system of the velocity vector. The transformation matrices used in processing the data and the worst case amplification of errors are presented in appendix B.

Data Processing

Recorded data was in the form of X, Y, Z positions and the respective measured color frequencies. These frequencies were converted to velocity components and then transformed to the orthogonal coordinate system in Figure 3. Statistical analysis was then used to calculate velocity mean values, variance and covariance (Reynolds stress tensor components). This data was then used to compute the turbulent kinetic energy (k) and the respective correlation coefficients.

In the statistical processing of the data, two different weighting factors were used. The first weighting factor was 1 (WF1) resulting in a simple averaging of the data. The second weighting factor was the inverse of the velocity vector magnitude ($1/|\vec{V}|$) (WFv), which resulted in a reduction in the velocity mean value and a change in the variance and covariance values. The WFv weighting factor was first proposed by McLaughlin and Tiederman⁹ as a way to account for velocity bias (see velocity bias description in the error analysis section). The WFv has the effect of increasing the significance of measurements made when the velocity vector magnitude was small while reducing the significance of high speed measurements.

The accuracy of the processed data was checked by computing jet axial momentum and volume continuity. By conservation of momentum, the total axial momentum of a jet is predicted to remain constant. Axial momentum was calculated from data of both weighting factor methods and the results are shown in Figure 5. The WF1 data showed a constant rise in momentum for all three jet cases thus indicating an over estimation of the jet axial velocity. This is consistent with the velocity bias concept. The WFv data showed a near constant value approximately equal to the calculated jet exit momentum (M_e).

Volume continuity of the jet as a whole does not remain constant due to entrainment into the jet. As a result the volume flow of the jet increases in the axial direction. Continuity calculations were therefore done on each individual spatial location. By considering a control volume around a given data point, the data points just outside the control volume were used to calculate the volume flux in and out. The difference in flux was then divided by the flux calculated from the given data point. The volume continuity was calculated at every measurement location, these results were then averaged and are given in Table 1. In comparison, the WF1 data was similar in magnitude to the WFv data for the low speed cases, but in the high speed case the WFv data appeared to be more accurate.

In summary, the momentum calculation indicated strongly that the WFv was more accurate and based on this result the WFv weighting factor was used in all statistical processing of the measured data.

RESULTS

This report presents flow field measurements for three subsonic rectangular cold air jets. The three cases presented had aspect ratios of 1x2 (25.4 x 50.8 mm) and 1x4 (12.7 x 50.8 mm) at a Mach number of 0.09 (30 m/s) and an aspect ratio of 1x2 (12.7 x 50.8 mm) at a Mach number of 0.9 (322.6 m/s). The Reynolds numbers based on the hydraulic diameter D_h for the low speed jets were 63,500 and 39,000 respectively, while the high speed case had a Reynolds number of 581,000. All measurements were made using a three dimensional laser Doppler anemometer system. The data is presented in tabular and graphical form. No analysis of the measured data or comparison to other published data is made in this report. Analysis and comparisons of the data are made in references 1, 2, 3, and 4.

The table and figure sections contain all the results obtained from the flow field measurements. The tables contain data in dimensional form. The first three columns provide the spatial location of the measurement in inches. The following nine columns provide the mean velocity, the respective variance, and covariance measured at that location. These data are available on MS-DOS compatible disks.

Using the tabulated information, computer generated plots were created and are presented in the Figures section. Figure 6 shows the centerline velocity decay, while Figures 7 through 10 shown the mean velocity and variance of the initial shear layer at $X = 0.2$ inches for the 1x2 and 1x4. Mach 0.09 cases. This initial shear layer information could not be measured for the Mach 0.9 case due to equipment limitations.

All graphical plots show views of the jet in an axial direction (X-Y minor axis or X-Z Major Axis) or in a cross sectional plane Y-Z ($X = 1, 5, 9, 13, 17$ inches). All axes are in inches, all parameters are nondimensionalized by the exit velocity (U_e) or the exit velocity squared ($U_e U_e$). All variance, covariance and turbulent kinetic energy results are multiplied by one hundred to make the numbers more convenient.

The two types of graphical plots produced were vector plots and contour plots. The vector plots show the measured mean direction of flow and indicate the magnitude by length of the arrow (Figures 10, 16,

30, 36, 50, and 56). All contour plots were constructed using consistent contour values for ease of comparison. The contour values used are presented in Table 2. If a contour value falls outside the data range the contour is simply not plotted. The contours did not receive any smoothing. Note that only half the jet is shown in the axial contour plots (Figures 11 to 15, 31 to 35, and 51 to 55). The jet was checked for symmetry and it is anticipated that if full measurements had been made they would have shown symmetry about the center line in the respective minor and major axis planes.

REFERENCES

- ¹ Morrison, G.L., Swan, D.H., and Tatterson, G.B., "Rectangular Subsonic Jet Flowfield Study", AIAA Paper No. 87-2732.
- ² Swan, D.H., Morrison G.L., and Tatterson, G.B., "3-D LDA Study of a Rectangular Jet", AIAA Paper No. 88-0183.
- ³ Swan, D.H., and Morrison G.L. "Eddy Viscosity Measurements in a Rectangular Jet", 4th International Symposium on Applications of Laser Anemometry to Fluid Mechanics, July 11 to 14, 1988 Lisbon Portugal Instituto Superior Tecnico Mechanical Engineering Dept. 1096 Lisbon Codex Portugal.
- ⁴ Swan, D.H., "Flow Field Study of a Rectangular Jet", A Ph.D. dissertation, Mechanical Engineering, Texas A&M University, 1989.
- ⁵ Hsia, Y., Krothapalli, A., Baganoff, D., and Karamcheti, K., "Effects of Mach Number on the Development of a Subsonic Rectangular Jet," AIAA Journal, Vol. 21, No. 2, 1983, pp. 176-177.
- ⁶ Krothapalli, A., Baganoff, D., and Karamcheti, K., "Development and Structure of a Rectangular Jet in a Multiple Jet Configuration," AIAA Journal, Vol. 18, No. 8, 1980, pp. 945-950.
- ⁷ Marsters, G.F., "An Experimental Investigation of Spanwise Velocity Distributions in Jets from Rectangular Slots," AIAA Paper No. 80-0202.
- ⁸ "Laser Velocimetry Systems", A commercial laser velocimetry systems handbook, TSI St. Paul, MN. 55164, page 90, 1987.
- ⁹ McLaughlin, D.K., Tiederman, W.G., "Biasing Correction for Individual Realization of Laser Anemometer Measurements in Turbulent Flows", Physics of Fluids, Vol. 16, 1973, pp 2083.
- ¹⁰ Wiedner, B.G., "Experimental Investigation of Velocity Biasing In Laser Doppler Anemometry", A Masters of Science thesis, Mechanical Engineering, Texas A&M University, 1988.
- ¹¹ Hinze, J.O., "Turbulence", McGraw-Hill, New York, 2 ed., 1975.

Table 1

Volume Continuity Error

| Nozzle | WF1 | WFv |
|----------------------|------|-----|
| 1x2 Nozzle M=0.09 | -2% | 3% |
| 1x4 Nozzle M=0.09 | -2% | 4% |
| 1x2 Nozzle M=0.9 | -51% | -5% |

Note Volume Continuity was calculated for each spatial location using the WF1 and WFv processed data. Table results are the simple average of all continuity calculations for each jet case.

Table 2

Contour Level Values

1. Velocity Contours

| | |
|---------|--|
| U/U_e | .1, .3, .5, .7, .9, .95 |
| V/U_e | } -.06, -.05, -.04, -.03, -.02, -.01, .01, .02, .03, |
| W/U_e | |
| | .04, .05, .06 |

2. Reynolds Terms

| | |
|---------------------------|--|
| $uu/(U_e U_e) \times 100$ | } .5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5 |
| $vv/(U_e U_e) \times 100$ | |
| $ww/(U_e U_e) \times 100$ | |
| $uv/(U_e U_e) \times 100$ | |
| $uv/(U_e U_e) \times 100$ | } -.7, -.5, -.3, -.1, .1, .3, .5, .7 |
| $uv/(U_e U_e) \times 100$ | |

3. Turbulent Kinetic Energy (k)

| | |
|--------------------------|--|
| $k/(U_e U_e) \times 100$ | .5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5 |
|--------------------------|--|

4. Correlation Coefficients

| | |
|---------------------|---|
| $uv/\sqrt{(uu+vv)}$ | } -.8, -.7, -.6, -.5, -.4, -.3, -.2, -.1, .1, .2, |
| $uw/\sqrt{(uu+ww)}$ | |
| $vw/\sqrt{(vv+ww)}$ | |
| | .3, .4, .5, .6, .7, .8 |

Note All plotted values are means (\bar{U} , \overline{uu} etc.)

TABLE 3
1x2 Ratio Nozzle Mach# = .09 WFv Data

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | -0.595 | 0.002 | .3320E+01 | .6079E-01 | -.4282E+00 | .2080E+02 | .3333E+02 | .1370E+02 | -.5196E+01 | -.2723E+01 | .1682E+01 | D01064.BIS |
| 5.00 | -1.072 | 0.001 | .2760E+01 | .1260E-01 | -.5960E+00 | .1110E+02 | .1099E+02 | .7240E+01 | -.3771E+01 | -.5702E+00 | -.3393E+00 | D01064.BIS |
| 9.00 | -1.548 | 0.000 | .1494E+01 | .1943E+00 | -.3160E+00 | .7991E+01 | .6759E+01 | .5000E+01 | -.2708E+01 | -.6739E+00 | -.1434E+00 | D01064.BIS |
| 13.00 | -2.024 | 0.000 | .1133E+01 | .1949E+00 | -.2620E+00 | .5801E+01 | .5947E+01 | .3390E+01 | -.2188E+01 | -.4580E+00 | -.3142E+00 | D01064.BIS |
| 17.00 | -2.501 | -0.001 | .1373E+01 | .1181E+00 | -.2360E+00 | .5780E+01 | .4490E+01 | .3210E+01 | -.1758E+01 | -.1802E-01 | -.2902E+00 | D01064.BIS |
| 1.00 | -0.476 | 0.002 | .2105E+02 | -.1920E+01 | .9743E+00 | .2400E+02 | .3306E+02 | .1440E+02 | -.8635E+01 | -.4823E+00 | -.3511E+01 | D02064.BIS |
| 5.00 | -0.857 | 0.001 | .6606E+01 | -.7232E-01 | -.5233E+00 | .2290E+02 | .2080E+02 | .1270E+02 | -.6721E+01 | -.1309E+01 | -.2815E+00 | D02064.BIS |
| 9.00 | -1.238 | 0.000 | .4140E+01 | .6285E-01 | -.6157E+00 | .1470E+02 | .1102E+02 | .8697E+01 | -.4061E+01 | -.1071E+01 | -.4831E+00 | D02064.BIS |
| 13.00 | -1.619 | 0.000 | .3230E+01 | -.5259E-01 | -.3662E+00 | .1090E+02 | .9099E+01 | .6200E+01 | -.3521E+01 | -.3662E+00 | -.6614E+00 | D02064.BIS |
| 17.00 | -2.000 | -0.001 | .3281E+01 | -.7038E-01 | -.3212E+00 | .8840E+01 | .7610E+01 | .5420E+01 | -.3259E+01 | .1969E+00 | -.2733E+00 | D02064.BIS |
| 1.00 | -0.357 | 0.002 | .2958E+02 | -.1320E+00 | .1066E+01 | .8650E+00 | .8275E+00 | .4840E+00 | -.7626E-01 | .1460E-01 | .8019E-02 | D03064.BIS |
| 5.00 | -0.642 | 0.001 | .1284E+02 | -.4428E+00 | -.2978E+00 | .2680E+02 | .3096E+02 | .1570E+02 | -.7977E+01 | -.5325E+00 | -.8665E+00 | D03064.BIS |
| 9.00 | -0.928 | 0.000 | .8184E+01 | -.1661E+00 | -.5478E+00 | .2440E+02 | .1884E+02 | .1390E+02 | -.7506E+01 | -.1332E+01 | .5059E-01 | D03064.BIS |
| 13.00 | -1.215 | 0.000 | .6375E+01 | .9171E-02 | -.4399E+00 | .1780E+02 | .1402E+02 | .1120E+02 | -.6236E+01 | -.1919E+00 | -.5998E+00 | D03064.BIS |
| 17.00 | -1.501 | -0.001 | .5448E+01 | -.1835E+00 | -.3182E+00 | .1280E+02 | .1050E+02 | .9100E+01 | -.4410E+01 | .3026E+00 | -.8002E+00 | D03064.BIS |
| 1.00 | -0.237 | 0.002 | .3005E+02 | -.3550E+00 | -.9086E-01 | .1380E+00 | .1388E+00 | .8121E-01 | .3042E-01 | .1621E-01 | -.1209E-02 | D04064.BIS |
| 5.00 | -0.428 | 0.001 | .2057E+02 | -.1010E+01 | .4885E+00 | .1730E+02 | .3097E+02 | .1140E+02 | -.3817E+01 | -.4198E+00 | .1901E-01 | D04064.BIS |
| 9.00 | -0.619 | 0.000 | .1359E+02 | -.2396E-01 | -.2208E+00 | .2880E+02 | .2515E+02 | .1630E+02 | -.8788E+01 | -.3966E+00 | -.1170E+01 | D04064.BIS |
| 13.00 | -0.810 | 0.000 | .1037E+02 | -.1488E+00 | -.3382E+00 | .2700E+02 | .1914E+02 | .1450E+02 | -.9713E+01 | .6736E+00 | -.1233E+01 | D04064.BIS |
| 17.00 | -1.000 | -0.001 | .9117E+01 | -.1982E+00 | -.4421E+00 | .2170E+02 | .1535E+02 | .1190E+02 | -.7764E+01 | .5160E+00 | -.5795E+00 | D04064.BIS |
| 0.20 | -0.099 | -0.200 | .3004E+02 | .1220E+00 | -.4103E-01 | .5030E-01 | .6987E-01 | .5070E-01 | .6282E-03 | .2430E-02 | -.1192E-02 | D05054.BIS |
| 1.00 | -0.119 | -0.214 | .2996E+02 | .1570E+00 | .3796E-01 | .9090E-01 | .8799E-01 | .5640E-01 | .5784E-04 | .6360E-03 | -.2702E-02 | D05054.BIS |
| 2.00 | -0.143 | -0.232 | .2988E+02 | .1691E+00 | .9569E-01 | .6560E+00 | .4909E+00 | .1810E+00 | .3668E-01 | .2743E-02 | .1159E-01 | D05054.BIS |
| 3.00 | -0.167 | -0.250 | .2933E+02 | .1374E+00 | .8702E-01 | .1900E+01 | .1774E+01 | .7190E+00 | -.4476E+00 | -.1690E+00 | -.4729E-01 | D05054.BIS |
| 4.00 | -0.190 | -0.268 | .2823E+02 | -.1629E+00 | .9109E-01 | .4640E+01 | .4479E+01 | .2211E+01 | -.1006E+01 | -.1671E+00 | -.6351E-02 | D05054.BIS |
| 5.00 | -0.214 | -0.286 | .2704E+02 | -.3460E+00 | -.1774E-01 | .7030E+01 | .1490E+02 | .4021E+01 | -.7656E+00 | -.2900E+00 | .1021E+01 | D05054.BIS |
| 6.00 | -0.238 | -0.304 | .2502E+02 | -.4238E+00 | -.1182E+00 | .1210E+02 | .2076E+02 | .6320E+01 | -.2108E+01 | -.1270E+00 | .7053E+00 | D05054.BIS |
| 7.00 | -0.262 | -0.322 | .2367E+02 | -.5839E+00 | -.2112E+00 | .1470E+02 | .2330E+02 | .8059E+01 | -.2619E+01 | -.6124E+00 | .8179E+00 | D05054.BIS |
| 8.00 | -0.286 | -0.339 | .2210E+02 | -.2920E+00 | -.3801E+00 | .1800E+02 | .2415E+02 | .9273E+01 | -.4086E+01 | -.7335E+00 | .1023E+01 | D05054.BIS |
| 9.00 | -0.309 | -0.357 | .2106E+02 | -.6623E+00 | -.4336E+00 | .1920E+02 | .2488E+02 | .1060E+02 | -.4325E+01 | -.6922E+00 | .1132E+00 | D05054.BIS |
| 10.00 | -0.333 | -0.375 | .2000E+02 | -.2731E+00 | -.4158E+00 | .2050E+02 | .2463E+02 | .1110E+02 | -.5020E+01 | -.1781E+01 | .7550E+00 | D05054.BIS |
| 11.00 | -0.358 | -0.393 | .1894E+02 | -.4179E+00 | -.5543E+00 | .2240E+02 | .2581E+02 | .1050E+02 | -.4054E+01 | -.1176E+01 | -.3475E+00 | D05054.BIS |
| 12.00 | -0.381 | -0.411 | .1791E+02 | -.2257E+00 | -.6577E+00 | .2250E+02 | .2180E+02 | .1110E+02 | -.5095E+01 | -.1031E+01 | -.1444E+00 | D05054.BIS |
| 13.00 | -0.405 | -0.429 | .1724E+02 | -.2817E+00 | -.6864E+00 | .2340E+02 | .2217E+02 | .1220E+02 | -.5213E+01 | -.1134E+01 | .8355E-01 | D05054.BIS |
| 14.00 | -0.429 | -0.447 | .1638E+02 | -.1763E+00 | -.4715E+00 | .2200E+02 | .2030E+02 | .1090E+02 | -.5220E+01 | -.1463E+01 | -.1347E+00 | D05054.BIS |
| 15.00 | -0.453 | -0.465 | .1529E+02 | -.1217E-01 | -.7876E+00 | .2330E+02 | .2038E+02 | .1070E+02 | -.5346E+01 | -.1348E+01 | -.5495E+00 | D05054.BIS |
| 16.00 | -0.476 | -0.482 | .1487E+02 | -.2799E+00 | -.6696E+00 | .2030E+02 | .1893E+02 | .1110E+02 | -.4170E+01 | -.1644E+01 | -.2022E+00 | D05054.BIS |
| 17.00 | -0.500 | -0.500 | .1430E+02 | -.3922E-01 | -.5991E+00 | .1980E+02 | .1846E+02 | .1080E+02 | -.4324E+01 | -.1191E+01 | -.6709E+00 | D05054.BIS |
| 18.00 | -0.524 | -0.518 | .1339E+02 | -.1795E+00 | -.6169E+00 | .2060E+02 | .1629E+02 | .9947E+01 | -.3697E+01 | -.1348E+01 | -.5313E+00 | D05054.BIS |
| 19.00 | -0.548 | -0.536 | .1289E+02 | -.2474E+00 | -.6460E+00 | .1830E+02 | .1444E+02 | .9819E+01 | -.3584E+01 | -.1021E+01 | -.4765E+00 | D05054.BIS |
| 0.20 | -0.100 | 0.000 | .3004E+02 | .2509E-02 | -.2681E-01 | .5460E-01 | .6797E-01 | .5680E-01 | .2343E-02 | .2378E-02 | -.5630E-02 | D05064.BIS |
| 1.00 | -0.119 | 0.000 | .2993E+02 | -.6452E-01 | .2767E-02 | .9890E-01 | .9413E-01 | .6371E-01 | .1008E-01 | .3035E-02 | -.8608E-03 | D05064.BIS |
| 2.00 | -0.143 | 0.000 | .2975E+02 | -.5556E-01 | .6853E-01 | .6330E+00 | .4663E+00 | .1840E+00 | .3973E-01 | -.2060E-01 | -.4023E-02 | D05064.BIS |
| 3.00 | -0.167 | -0.001 | .2939E+02 | -.6588E-01 | .9349E-01 | .1450E+01 | .1283E+01 | .7262E+00 | -.1886E+00 | -.1452E+00 | -.5488E-01 | D05064.BIS |
| 4.00 | -0.190 | -0.001 | .2863E+02 | -.1986E+00 | .1296E+00 | .3480E+01 | .2951E+01 | .1860E+01 | -.6567E+00 | -.3080E+00 | .1516E+00 | D05064.BIS |
| 5.00 | -0.214 | -0.001 | .2727E+02 | -.3622E+00 | -.5563E-01 | .7029E+01 | .1279E+02 | .3290E+01 | -.9152E+00 | -.5310E+00 | .4949E+00 | D05064.BIS |
| 6.00 | -0.238 | -0.001 | .2591E+02 | -.6814E+00 | .7873E-02 | .1010E+02 | .1590E+02 | .5100E+01 | -.1580E+01 | -.6658E+00 | .1140E+01 | D05064.BIS |
| 7.00 | -0.262 | -0.001 | .2457E+02 | -.6998E+00 | .2858E-01 | .1210E+02 | .2137E+02 | .7082E+01 | -.2289E+01 | -.5615E+00 | .1577E+01 | D05064.BIS |
| 8.00 | -0.286 | -0.001 | .2355E+02 | -.7168E+00 | -.1530E+00 | .1480E+02 | .2183E+02 | .8390E+01 | -.1987E+01 | -.8451E+00 | .1342E+01 | D05064.BIS |
| 9.00 | -0.309 | -0.001 | .2232E+02 | -.5218E+00 | -.1691E+00 | .1660E+02 | .2246E+02 | .8928E+01 | -.4082E+01 | -.1127E+00 | .1260E+01 | D05064.BIS |
| 10.00 | -0.334 | -0.002 | .2116E+02 | -.5261E+00 | -.1929E+00 | .2010E+02 | .2510E+02 | .9819E+01 | -.4704E+01 | -.4907E-01 | .1173E+01 | D05064.BIS |
| 11.00 | -0.358 | -0.002 | .2059E+02 | -.4177E+00 | -.1871E+00 | .1920E+02 | .2392E+02 | .1000E+02 | -.4962E+01 | .3470E+00 | .8552E+00 | D05064.BIS |
| 12.00 | -0.381 | -0.002 | .1942E+02 | -.5986E+00 | -.3032E+00 | .2030E+02 | .2309E+02 | .1070E+02 | -.4643E+01 | .3329E+00 | .4714E+00 | D05064.BIS |
| 13.00 | -0.405 | -0.002 | .1828E+02 | -.5220E+00 | -.3059E+00 | .2200E+02 | .2237E+02 | .1030E+02 | -.4795E+01 | .9068E+00 | .4719E+00 | D05064.BIS |
| 14.00 | -0.429 | 0.000 | .1756E+02 | -.4849E+00 | -.2560E+00 | .2150E+02 | .2385E+02 | .1150E+02 | -.4762E+01 | .7190E+00 | .4857E+00 | D05064.BIS |
| 15.00 | -0.453 | 0.000 | .1663E+02 | -.5212E+00 | -.2608E+00 | .2110E+02 | .2012E+02 | .1100E+02 | -.4218E+01 | .5429E+00 | .9780E+00 | D05064.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | $\overline{u^2}$ | $\overline{v^2}$ | $\overline{w^2}$ | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | -0.500 | -0.001 | .1546E+02 | -.5841E+00 | -.1779E+00 | .1920E+02 | .1713E+02 | .1090E+02 | -.4143E+01 | .1061E+01 | -.6332E-01 | D05064.BIS |
| 18.00 | -0.524 | -0.001 | .1363E+02 | -.4236E+00 | -.3712E+00 | .1940E+02 | .1520E+02 | .1070E+02 | -.4995E+01 | .1427E+01 | -.1084E+00 | D05064.BIS |
| 19.00 | -0.549 | 0.000 | .1364E+02 | -.3470E+00 | -.3244E+00 | .1800E+02 | .1521E+02 | .9343E+01 | -.4449E+01 | .9526E+00 | -.2341E-02 | D05064.BIS |
| 0.20 | -0.099 | 0.200 | .3009E+02 | -.2548E+01 | .8239E-02 | .1360E+00 | .7234E+00 | .1360E+01 | -.8647E-01 | .2350E-01 | .4193E-01 | D05074.BIS |
| 1.00 | -0.118 | 0.214 | .3005E+02 | -.2571E+01 | .5063E+00 | .1510E+00 | .7355E+00 | .1570E+01 | -.1011E+00 | -.1149E-01 | .1314E+00 | D05074.BIS |
| 2.00 | -0.143 | 0.232 | .3001E+02 | -.2620E+01 | .1211E+01 | .4179E+00 | .1031E+01 | .1520E+01 | -.2479E+00 | -.4796E-01 | -.5405E-01 | D05074.BIS |
| 3.00 | -0.167 | 0.250 | .2955E+02 | -.1946E+01 | .1670E+01 | .1620E+01 | .2806E+01 | .1660E+01 | -.6090E+00 | -.2596E-02 | -.4674E+00 | D05074.BIS |
| 4.00 | -0.190 | 0.268 | .2857E+02 | -.1560E+01 | .1702E+01 | .4470E+01 | .1420E+02 | .2890E+01 | -.9347E+00 | .3596E+00 | -.4804E-01 | D05074.BIS |
| 5.00 | -0.214 | 0.286 | .2652E+02 | -.9750E+00 | .1502E+01 | .1020E+02 | .1987E+02 | .5430E+01 | -.2899E+01 | .7639E+00 | .4407E+00 | D05074.BIS |
| 6.00 | -0.238 | 0.303 | .2420E+02 | -.6252E+00 | .1099E+01 | .1630E+02 | .2498E+02 | .8850E+01 | -.4347E+01 | .1960E+01 | -.1000E+00 | D05074.BIS |
| 7.00 | -0.262 | 0.321 | .2290E+02 | -.1087E+01 | .9485E+00 | .1990E+02 | .3071E+02 | .9373E+01 | -.4347E+01 | .1419E+01 | .6034E+00 | D05074.BIS |
| 8.00 | -0.286 | 0.339 | .2104E+02 | -.7496E+00 | .7113E+00 | .2240E+02 | .2837E+02 | .1140E+02 | -.6516E+01 | .2049E+01 | -.3002E-01 | D05074.BIS |
| 9.00 | -0.309 | 0.357 | .2054E+02 | -.8644E+00 | .5884E+00 | .2150E+02 | .2655E+02 | .1190E+02 | -.5870E+01 | .7330E+00 | .9314E+00 | D05074.BIS |
| 10.00 | -0.333 | 0.375 | .1837E+02 | -.6843E+00 | .4895E+00 | .2580E+02 | .2684E+02 | .1340E+02 | -.6620E+01 | .2340E+01 | .3464E+00 | D05074.BIS |
| 11.00 | -0.358 | 0.393 | .1733E+02 | -.7342E+00 | .3222E+00 | .2750E+02 | .2414E+02 | .1340E+02 | -.7563E+01 | .2763E+01 | .6791E+00 | D05074.BIS |
| 12.00 | -0.381 | 0.410 | .1633E+02 | -.6513E+00 | .1973E+00 | .2640E+02 | .2269E+02 | .1320E+02 | -.6529E+01 | .3527E+01 | .3574E+00 | D05074.BIS |
| 13.00 | -0.405 | 0.429 | .1660E+02 | -.8568E+00 | .3226E+00 | .2170E+02 | .2464E+02 | .1220E+02 | -.4279E+01 | .2754E+01 | .2119E+00 | D05074.BIS |
| 14.00 | -0.429 | 0.446 | .1589E+02 | -.7289E+00 | .3581E+00 | .2270E+02 | .2267E+02 | .1100E+02 | -.4982E+01 | .2552E+01 | .8934E+00 | D05074.BIS |
| 15.00 | -0.453 | 0.464 | .1426E+02 | -.5312E+00 | .2147E+00 | .2360E+02 | .1967E+02 | .1250E+02 | -.4942E+01 | .3088E+01 | -.3688E+00 | D05074.BIS |
| 16.00 | -0.476 | 0.482 | .1368E+02 | -.8320E+00 | .3422E+00 | .2120E+02 | .1929E+02 | .1180E+02 | -.4715E+01 | .2666E+01 | .1013E+01 | D05074.BIS |
| 17.00 | -0.500 | 0.500 | .1282E+02 | -.5731E+00 | .2229E+00 | .2170E+02 | .1612E+02 | .1080E+02 | -.5312E+01 | .3251E+01 | -.2004E+00 | D05074.BIS |
| 18.00 | -0.524 | 0.518 | .1222E+02 | -.5323E+00 | .1699E+00 | .1890E+02 | .1491E+02 | .1020E+02 | -.4043E+01 | .2658E+01 | -.2618E-02 | D05074.BIS |
| 19.00 | -0.548 | 0.535 | .1107E+02 | -.3364E+00 | .1012E+00 | .1850E+02 | .1354E+02 | .9260E+01 | -.4226E+01 | .2987E+01 | .1859E+00 | D05074.BIS |
| 0.20 | -0.099 | 0.400 | .3023E+02 | -.1684E+01 | .2204E+01 | .8123E-01 | .7746E+00 | .6440E+00 | -.5587E-01 | -.9057E-02 | -.3229E+00 | D05084.BIS |
| 1.00 | -0.119 | 0.428 | .3015E+02 | -.1065E+01 | .2262E+01 | .1710E+00 | .1072E+01 | .9390E+00 | .4007E-01 | .3393E-01 | -.4736E+00 | D05084.BIS |
| 2.00 | -0.143 | 0.464 | .3010E+02 | -.3340E+00 | .2226E+01 | .3230E+00 | .1155E+01 | .1050E+01 | .5217E-02 | -.3230E-01 | -.4645E+00 | D05084.BIS |
| 3.00 | -0.167 | 0.500 | .2957E+02 | -.5102E-01 | .2125E+01 | .1670E+01 | .5679E+01 | .1740E+01 | -.2347E+00 | .4272E-01 | -.4181E-01 | D05084.BIS |
| 4.00 | -0.190 | 0.535 | .2774E+02 | -.1783E+00 | .2001E+01 | .7340E+01 | .1449E+02 | .3960E+01 | -.9732E+00 | .4299E+00 | .3958E+00 | D05084.BIS |
| 5.00 | -0.214 | 0.571 | .2466E+02 | -.1272E+00 | .1713E+01 | .1700E+02 | .2595E+02 | .8610E+01 | -.2506E+01 | .2056E+01 | .1242E+01 | D05084.BIS |
| 6.00 | -0.238 | 0.607 | .2256E+02 | -.3062E+00 | .1350E+01 | .2030E+02 | .2987E+02 | .1240E+02 | -.3189E+01 | .3061E+01 | .1602E+01 | D05084.BIS |
| 7.00 | -0.262 | 0.643 | .2067E+02 | -.4061E+00 | .1334E+01 | .2350E+02 | .3088E+02 | .1420E+02 | -.5290E+01 | .2497E+01 | .2170E+01 | D05084.BIS |
| 8.00 | -0.286 | 0.678 | .1922E+02 | -.6534E+00 | .1135E+01 | .2510E+02 | .3112E+02 | .1540E+02 | -.6137E+01 | .3793E+01 | .1994E+01 | D05084.BIS |
| 9.00 | -0.309 | 0.714 | .1908E+02 | -.8925E+00 | .9516E+00 | .2180E+02 | .2918E+02 | .1390E+02 | -.5064E+01 | .3471E+01 | .1527E+01 | D05084.BIS |
| 10.00 | -0.333 | 0.750 | .1651E+02 | -.6796E+00 | .7216E+00 | .2690E+02 | .2929E+02 | .1560E+02 | -.6587E+01 | .5297E+01 | .1505E+01 | D05084.BIS |
| 11.00 | -0.358 | 0.786 | .1544E+02 | -.6699E+00 | .7538E+00 | .2600E+02 | .2946E+02 | .1510E+02 | -.6252E+01 | .4441E+01 | .1277E+01 | D05084.BIS |
| 12.00 | -0.381 | 0.821 | .1534E+02 | -.9559E+00 | .7406E+00 | .2620E+02 | .2568E+02 | .1410E+02 | -.6057E+01 | .3964E+01 | .1323E+01 | D05084.BIS |
| 13.00 | -0.404 | 0.857 | .1339E+02 | -.4090E+00 | .5349E+00 | .2720E+02 | .2288E+02 | .1400E+02 | -.6052E+01 | .5548E+01 | .8336E+00 | D05084.BIS |
| 14.00 | -0.429 | 0.893 | .1254E+02 | -.7309E+00 | .7191E+00 | .2520E+02 | .2183E+02 | .1370E+02 | -.4245E+01 | .4920E+01 | .1322E+01 | D05084.BIS |
| 15.00 | -0.453 | 0.928 | .1224E+02 | -.7748E+00 | .6276E+00 | .2280E+02 | .2289E+02 | .1240E+02 | -.5042E+01 | .3881E+01 | .6139E+00 | D05084.BIS |
| 16.00 | -0.476 | 0.964 | .1104E+02 | -.4795E+00 | .3866E+00 | .2220E+02 | .1878E+02 | .1090E+02 | -.4531E+01 | .4997E+01 | .4372E+00 | D05084.BIS |
| 17.00 | -0.500 | 1.000 | .1136E+02 | -.5718E+00 | .5740E+00 | .1830E+02 | .1720E+02 | .1010E+02 | -.3502E+01 | .3313E+01 | .5652E+00 | D05084.BIS |
| 18.00 | -0.524 | 1.036 | .1147E+02 | -.6757E+00 | .4840E+00 | .1660E+02 | .1514E+02 | .9521E+01 | -.2518E+01 | .3671E+01 | .6322E+00 | D05084.BIS |
| 19.00 | -0.548 | 1.071 | .9492E+01 | -.3942E+00 | .4322E+00 | .1570E+02 | .1365E+02 | .9167E+01 | -.3214E+01 | .3168E+01 | .4442E-01 | D05084.BIS |
| 0.20 | -0.099 | 0.600 | .3044E+02 | -.3491E-01 | .1533E+01 | .1010E+00 | .3885E+00 | .8241E+00 | -.1415E-01 | -.1318E-01 | .7797E-01 | D05094.BIS |
| 1.00 | -0.119 | 0.642 | .3026E+02 | .5946E-01 | .1023E+01 | .2060E+00 | .4456E+00 | .7590E+00 | .2597E-01 | .2860E-01 | .1292E+00 | D05094.BIS |
| 2.00 | -0.143 | 0.696 | .3028E+02 | .2617E-01 | .1144E+01 | .5489E+00 | .9216E+00 | .1090E+01 | -.9915E-01 | -.2068E-01 | -.7423E-01 | D05094.BIS |
| 3.00 | -0.167 | 0.750 | .2923E+02 | .1050E+00 | .1240E+01 | .3840E+01 | .3945E+01 | .2770E+01 | -.3903E+00 | .4148E+00 | .4605E+00 | D05094.BIS |
| 4.00 | -0.190 | 0.803 | .2588E+02 | -.1764E+00 | .1515E+01 | .1230E+02 | .2988E+02 | .7261E+01 | -.1841E-01 | .1431E+01 | .2704E+01 | D05094.BIS |
| 5.00 | -0.214 | 0.857 | .2304E+02 | -.4617E+00 | .1303E+01 | .1730E+02 | .3250E+02 | .1080E+02 | -.1063E+01 | .3690E+01 | .3176E+01 | D05094.BIS |
| 6.00 | -0.238 | 0.910 | .2073E+02 | -.6640E+00 | .1433E+01 | .1850E+02 | .3366E+02 | .1220E+02 | -.3810E+00 | .3732E+01 | .3618E+01 | D05094.BIS |
| 7.00 | -0.262 | 0.964 | .1775E+02 | -.6946E+00 | .1441E+01 | .2410E+02 | .3192E+02 | .1510E+02 | -.3680E+01 | .4450E+01 | .3540E+01 | D05094.BIS |
| 8.00 | -0.286 | 1.018 | .1635E+02 | -.5772E+00 | .1491E+01 | .2540E+02 | .3367E+02 | .1530E+02 | -.4701E+01 | .4969E+01 | .2127E+01 | D05094.BIS |
| 9.00 | -0.309 | 1.071 | .1464E+02 | -.3974E+00 | .1201E+01 | .2580E+02 | .2837E+02 | .1520E+02 | -.3334E+01 | .6179E+01 | .2736E+01 | D05094.BIS |
| 10.00 | -0.333 | 1.125 | .1319E+02 | -.3165E+00 | .9643E+00 | .2370E+02 | .2497E+02 | .1700E+02 | -.4432E+01 | .6159E+01 | .2275E+01 | D05094.BIS |
| 11.00 | -0.358 | 1.178 | .1192E+02 | -.4191E+00 | .7190E+00 | .2710E+02 | .2464E+02 | .1610E+02 | -.4943E+01 | .7151E+01 | .1025E+01 | D05094.BIS |
| 12.00 | -0.381 | 1.232 | .1031E+02 | -.7170E-01 | .5569E+00 | .2730E+02 | .2122E+02 | .1550E+02 | -.5747E+01 | .6972E+01 | .3316E+00 | D05094.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 13.00 | -0.404 | 1.285 | .1005E+02 | -.2447E+00 | .5161E+00 | .2750E+02 | .1909E+02 | .1420E+02 | -.5400E+01 | .6757E+01 | .7692E+00 | D05094.BIS |
| 14.00 | -0.429 | 1.339 | .9565E+01 | -.2276E+00 | .5836E+00 | .2150E+02 | .1794E+02 | .1290E+02 | -.4323E+01 | .6440E+01 | .4923E-01 | D05094.BIS |
| 15.00 | -0.453 | 1.393 | .8304E+01 | .5357E-01 | .4535E+00 | .2150E+02 | .1571E+02 | .1190E+02 | -.3725E+01 | .6450E+01 | .1615E+00 | D05094.BIS |
| 16.00 | -0.476 | 1.446 | .8003E+01 | -.1403E+00 | .2887E+00 | .1990E+02 | .1503E+02 | .1160E+02 | -.4100E+01 | .6452E+01 | -.3790E+00 | D05094.BIS |
| 17.00 | -0.500 | 1.500 | .7568E+01 | -.1233E+00 | .2440E+00 | .1730E+02 | .1261E+02 | .1040E+02 | -.3342E+01 | .4967E+01 | -.1915E+00 | D05094.BIS |
| 18.00 | -0.524 | 1.553 | .7487E+01 | -.2278E+00 | .2847E+00 | .1590E+02 | .1293E+02 | .9658E+01 | -.2928E+01 | .4628E+01 | -.2082E+00 | D05094.BIS |
| 19.00 | -0.548 | 1.607 | .7288E+01 | -.2125E+00 | .2647E+00 | .1450E+02 | .1187E+02 | .8669E+01 | -.2956E+01 | .4408E+01 | -.5631E+00 | D05094.BIS |
| 0.20 | -0.100 | 0.800 | .3032E+02 | .6152E+00 | .3756E+00 | .7533E-01 | .2795E+00 | .4419E+00 | -.9429E-02 | .1461E-02 | -.3320E-01 | D05104.BIS |
| 1.00 | -0.119 | 0.857 | .3009E+02 | .1483E+01 | .5699E+00 | .6840E+00 | .9814E+00 | .1050E+01 | .2571E+00 | .3882E-01 | -.7780E-01 | D05104.BIS |
| 2.00 | -0.143 | 0.928 | .2527E+02 | .1563E+01 | .8463E+00 | .1730E+02 | .3984E+02 | .6529E+01 | .4680E+01 | .4900E+01 | .3827E+01 | D05104.BIS |
| 3.00 | -0.167 | 1.000 | .1968E+02 | .5063E+00 | .7180E+00 | .2540E+02 | .5434E+02 | .1320E+02 | .3048E+01 | .8764E+01 | .4698E+01 | D05104.BIS |
| 4.00 | -0.190 | 1.071 | .1668E+02 | .1513E+00 | .1374E+01 | .2580E+02 | .4064E+02 | .1460E+02 | .1570E+01 | .8149E+01 | .2690E+01 | D05104.BIS |
| 5.00 | -0.214 | 1.143 | .1446E+02 | .3376E+00 | .1460E+01 | .2460E+02 | .3622E+02 | .1400E+02 | .4729E+00 | .6850E+01 | .2429E+00 | D05104.BIS |
| 6.00 | -0.238 | 1.214 | .1321E+02 | .8520E-01 | .1806E+01 | .2560E+02 | .3069E+02 | .1480E+02 | -.2095E+01 | .7318E+01 | .1376E+01 | D05104.BIS |
| 7.00 | -0.262 | 1.286 | .1185E+02 | .8457E-01 | .1512E+01 | .2640E+02 | .2766E+02 | .1500E+02 | -.3443E+01 | .7867E+01 | .9062E+00 | D05104.BIS |
| 8.00 | -0.286 | 1.357 | .1049E+02 | .9094E-01 | .1287E+01 | .2520E+02 | .2249E+02 | .1560E+02 | -.3210E+01 | .8525E+01 | .3882E+00 | D05104.BIS |
| 9.00 | -0.309 | 1.428 | .9269E+01 | -.1199E-01 | .8575E+00 | .2620E+02 | .2149E+02 | .1490E+02 | -.3685E+01 | .8498E+01 | .4680E+00 | D05104.BIS |
| 10.00 | -0.333 | 1.500 | .8052E+01 | .2626E+00 | .9501E+00 | .2290E+02 | .2058E+02 | .1390E+02 | -.2406E+01 | .7031E+01 | .6299E+00 | D05104.BIS |
| 11.00 | -0.358 | 1.571 | .8243E+01 | -.6110E-01 | .8330E+00 | .2200E+02 | .2065E+02 | .1360E+02 | -.3774E+01 | .7782E+01 | .2066E+00 | D05104.BIS |
| 12.00 | -0.381 | 1.643 | .7894E+01 | -.6376E-02 | .7697E+00 | .1980E+02 | .1612E+02 | .1260E+02 | -.2811E+01 | .6931E+01 | .1200E+00 | D05104.BIS |
| 13.00 | -0.405 | 1.714 | .6722E+01 | .5257E-02 | .5320E+00 | .1890E+02 | .1470E+02 | .1160E+02 | -.2792E+01 | .5810E+01 | -.3568E+00 | D05104.BIS |
| 14.00 | -0.429 | 1.785 | .5538E+01 | .2639E-01 | .3741E+00 | .1690E+02 | .1328E+02 | .1060E+02 | -.3004E+01 | .5872E+01 | -.6334E-01 | D05104.BIS |
| 15.00 | -0.453 | 1.857 | .6012E+01 | .3371E-01 | .5094E+00 | .1590E+02 | .1343E+02 | .9879E+01 | -.1964E+01 | .5500E+01 | -.5401E-01 | D05104.BIS |
| 16.00 | -0.476 | 1.928 | .5776E+01 | .7903E-02 | .4591E+00 | .1320E+02 | .1239E+02 | .8169E+01 | -.2760E+01 | .4220E+01 | .7746E-01 | D05104.BIS |
| 17.00 | -0.500 | 2.000 | .5584E+01 | -.7793E-03 | .5670E+00 | .1170E+02 | .1185E+02 | .7901E+01 | -.1288E+01 | .4052E+01 | .5319E+00 | D05104.BIS |
| 18.00 | -0.524 | 2.071 | .5461E+01 | -.5680E-01 | .4630E+00 | .1080E+02 | .1052E+02 | .7540E+01 | -.1222E+01 | .3520E+01 | .4123E+00 | D05104.BIS |
| 19.00 | -0.548 | 2.142 | .5101E+01 | -.1534E+00 | .2996E+00 | .1020E+02 | .9716E+01 | .6698E+01 | -.1255E+01 | .3829E+01 | -.1995E+00 | D05104.BIS |
| 0.20 | -0.098 | 1.000 | .1112E+02 | .2724E+01 | -.9337E-01 | .1760E+02 | .1221E+02 | .5856E+00 | .5291E+01 | .5979E+00 | .1060E+01 | D05114.BIS |
| 1.00 | -0.119 | 1.071 | .1061E+02 | .7644E+00 | .9250E+00 | .3180E+02 | .8558E+02 | .2000E+02 | .6857E+01 | .1220E+02 | .4711E+01 | D05114.BIS |
| 2.00 | -0.143 | 1.161 | .8074E+01 | .4399E+00 | .7181E+00 | .3170E+02 | .4161E+02 | .1640E+02 | .1756E+01 | .1130E+02 | .2676E+01 | D05114.BIS |
| 3.00 | -0.167 | 1.250 | .5739E+01 | .7000E+00 | .2533E+00 | .2190E+02 | .2482E+02 | .1240E+02 | .6329E+00 | .8848E+01 | .1423E+01 | D05114.BIS |
| 4.00 | -0.190 | 1.339 | .5858E+01 | .8995E+00 | .6410E+00 | .2010E+02 | .1957E+02 | .1260E+02 | .1945E+01 | .8409E+01 | .9898E+00 | D05114.BIS |
| 5.00 | -0.214 | 1.429 | .5656E+01 | .7607E+00 | .5933E+00 | .1890E+02 | .1915E+02 | .1220E+02 | .1145E+01 | .8060E+01 | .5579E+00 | D05114.BIS |
| 6.00 | -0.238 | 1.518 | .6187E+01 | .8082E+00 | .8873E+00 | .1930E+02 | .1729E+02 | .1280E+02 | -.1078E+00 | .8752E+01 | .3343E+00 | D05114.BIS |
| 7.00 | -0.262 | 1.607 | .5609E+01 | .7216E+00 | .7324E+00 | .1860E+02 | .1523E+02 | .1190E+02 | -.1420E+01 | .7460E+01 | .2157E+00 | D05114.BIS |
| 8.00 | -0.286 | 1.696 | .5747E+01 | .3651E+00 | .9394E+00 | .1580E+02 | .1545E+02 | .1090E+02 | -.1030E+01 | .6619E+01 | .7120E+00 | D05114.BIS |
| 9.00 | -0.309 | 1.785 | .5449E+01 | .1391E+00 | .8386E+00 | .1520E+02 | .1420E+02 | .1040E+02 | -.7340E+00 | .5659E+01 | .9294E+00 | D05114.BIS |
| 10.00 | -0.333 | 1.875 | .5212E+01 | .6301E-01 | .7613E+00 | .1390E+02 | .1383E+02 | .9852E+01 | -.1437E+01 | .5402E+01 | .4544E+00 | D05114.BIS |
| 11.00 | -0.358 | 1.964 | .5196E+01 | -.2476E+00 | .6939E+00 | .1400E+02 | .1260E+02 | .8821E+01 | -.8779E+00 | .5451E+01 | -.1801E+00 | D05114.BIS |
| 12.00 | -0.381 | 2.053 | .4913E+01 | .1646E-01 | .5653E+00 | .1170E+02 | .1105E+02 | .8468E+01 | -.3916E+00 | .4789E+01 | -.1739E+00 | D05114.BIS |
| 13.00 | -0.405 | 2.142 | .4032E+01 | .2014E+00 | .4931E+00 | .1110E+02 | .1089E+02 | .7470E+01 | -.1630E+01 | .3900E+01 | -.2453E+00 | D05114.BIS |
| 14.00 | -0.429 | 2.232 | .4522E+01 | -.1926E+00 | .5664E+00 | .1090E+02 | .1217E+02 | .7297E+01 | -.1310E+01 | .4078E+01 | .4292E-01 | D05114.BIS |
| 15.00 | -0.453 | 2.321 | .4239E+01 | -.2599E+00 | .5913E+00 | .9828E+01 | .1456E+02 | .6619E+01 | -.5062E+00 | .3628E+01 | .5599E-01 | D05114.BIS |
| 16.00 | -0.476 | 2.410 | .4306E+01 | -.2173E+00 | .5337E+00 | .1000E+02 | .1307E+02 | .6990E+01 | -.8434E+00 | .3800E+01 | -.3258E+00 | D05114.BIS |
| 17.00 | -0.500 | 2.500 | .4133E+01 | -.3147E+00 | .5149E+00 | .9168E+01 | .1228E+02 | .5898E+01 | .1874E+00 | .3168E+01 | .3671E+00 | D05114.BIS |
| 18.00 | -0.524 | 2.589 | .3648E+01 | -.2641E+00 | .3577E+00 | .8640E+01 | .1052E+02 | .5879E+01 | -.5286E+00 | .3389E+01 | .2148E+00 | D05114.BIS |
| 19.00 | -0.548 | 2.678 | .3246E+01 | -.1348E+00 | .3568E+00 | .8251E+01 | .1041E+02 | .5040E+01 | -.3785E+00 | .2570E+01 | .1802E+00 | D05114.BIS |
| 1.00 | 0.002 | -1.071 | .7789E+01 | .8597E+00 | -.1011E+01 | .2990E+02 | .2120E+02 | .2520E+02 | .8208E+00 | -.1210E+02 | -.4728E+01 | D06014.BIS |
| 5.00 | 0.001 | -1.429 | .8323E+01 | -.2612E-01 | -.1320E+01 | .2140E+02 | .2312E+02 | .1280E+02 | -.1385E+01 | -.7159E+01 | .1086E+01 | D06014.BIS |
| 9.00 | 0.001 | -1.786 | .7246E+01 | -.4001E-02 | -.1195E+01 | .1680E+02 | .1569E+02 | .1080E+02 | .1712E+00 | -.6389E+01 | -.1800E+00 | D06014.BIS |
| 13.00 | 0.001 | -2.143 | .5523E+01 | .1016E+00 | -.8224E+00 | .1350E+02 | .1129E+02 | .8981E+01 | .2606E+00 | -.5461E+01 | -.5959E+00 | D06014.BIS |
| 17.00 | 0.001 | -2.500 | .5067E+01 | .2164E+00 | -.5860E+00 | .9358E+01 | .8649E+01 | .6908E+01 | .5640E+00 | -.3958E+01 | -.3834E+00 | D06014.BIS |
| 1.00 | 0.002 | -0.857 | .2965E+02 | -.8845E+00 | -.4850E+00 | .1030E+01 | .1084E+01 | .1410E+01 | .2235E-01 | -.8518E-01 | .1503E+00 | D06024.BIS |
| 5.00 | 0.001 | -1.143 | .1701E+02 | -.4126E+00 | -.1367E+01 | .2340E+02 | .3366E+02 | .1360E+02 | -.6352E+00 | -.5796E+01 | .1533E+01 | D06024.BIS |
| 9.00 | 0.001 | -1.429 | .1193E+02 | .4879E-01 | -.1433E+01 | .2300E+02 | .2611E+02 | .1240E+02 | -.7352E+00 | -.5859E+01 | .8623E+00 | D06024.BIS |
| 13.00 | 0.001 | -1.715 | .9565E+01 | .2314E+00 | -.1464E+01 | .1920E+02 | .1871E+02 | .1140E+02 | -.5784E+00 | -.5869E+01 | .5703E-01 | D06024.BIS |

TABLE 3
Continued

| X | Y | Z | U | V | W | UU | VV | VV | UV | UV | VW | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 0.001 | -2.000 | .7718E+01 | .9526E-01 | -.9121E+00 | .1390E+02 | .1210E+02 | .9029E+01 | .2876E+00 | -.4709E+01 | -.5512E+00 | D06024.BIS |
| 1.00 | 0.002 | -0.643 | .3005E+02 | -.6820E+00 | -.6810E+00 | .1010E+00 | .1120E+00 | .8571E-01 | .1971E-01 | .1891E-01 | .1391E-01 | D06034.BIS |
| 5.00 | 0.002 | -0.858 | .2591E+02 | -.7403E+00 | -.9235E+00 | .9841E+01 | .6461E+01 | .6032E+01 | -.7003E+00 | -.3201E+01 | -.5515E+00 | D06034.BIS |
| 9.00 | 0.001 | -1.072 | .1822E+02 | -.3696E+00 | -.1272E+01 | .2130E+02 | .2776E+02 | .1060E+02 | .6432E+00 | -.4169E+01 | .9078E+00 | D06034.BIS |
| 13.00 | 0.001 | -1.286 | .1465E+02 | -.1846E+00 | -.1405E+01 | .1970E+02 | .2281E+02 | .1120E+02 | -.7599E-01 | -.3352E+01 | -.6252E+00 | D06034.BIS |
| 17.00 | 0.001 | -1.500 | .1138E+02 | .1882E-01 | -.1105E+01 | .1680E+02 | .1560E+02 | .9909E+01 | -.3612E+00 | -.4069E+01 | -.2754E+00 | D06034.BIS |
| 1.00 | 0.002 | -0.428 | .3002E+02 | -.3709E+00 | -.3465E+00 | .9660E-01 | .9908E-01 | .7350E-01 | .2634E-01 | .1760E-01 | .2466E-01 | D06044.BIS |
| 5.00 | 0.002 | -0.572 | .2877E+02 | -.3645E+00 | -.4121E+00 | .3710E+01 | .5435E+01 | .2110E+01 | -.3909E+00 | -.4208E+00 | .3973E+00 | D06044.BIS |
| 9.00 | 0.002 | -0.715 | .2194E+02 | -.2031E+00 | -.7056E+00 | .1870E+02 | .2419E+02 | .8992E+01 | -.1749E+01 | -.2929E+01 | .3008E+00 | D06044.BIS |
| 13.00 | 0.001 | -0.858 | .1749E+02 | .1972E-01 | -.1244E+01 | .1900E+02 | .2326E+02 | .1010E+02 | -.1500E+01 | -.2991E+01 | .1705E+00 | D06044.BIS |
| 17.00 | 0.001 | -1.000 | .1441E+02 | .7146E-01 | -.1098E+01 | .1840E+02 | .2006E+02 | .9190E+01 | -.6494E+00 | -.2659E+01 | .2365E+00 | D06044.BIS |
| 0.20 | 0.001 | -0.200 | .3019E+02 | .9168E-01 | -.1349E+00 | .5020E-01 | .8165E-01 | .5100E-01 | -.3565E-02 | -.1377E-02 | -.2188E-01 | D06054.BIS |
| 1.00 | 0.001 | -0.214 | .3005E+02 | .1149E+00 | -.1193E+00 | .7500E-01 | .9182E-01 | .5330E-01 | .4220E-04 | -.9249E-03 | -.1833E-01 | D06054.BIS |
| 2.00 | 0.001 | -0.232 | .3003E+02 | .1229E-01 | -.6228E-01 | .4130E+00 | .3208E+00 | .1100E+00 | .2698E-01 | .1831E-03 | -.1008E-01 | D06054.BIS |
| 3.00 | 0.001 | -0.250 | .2989E+02 | .5046E-01 | .3192E-02 | .9680E+00 | .1200E+01 | .2930E+00 | .1300E+00 | -.1179E-01 | .1000E+00 | D06054.BIS |
| 4.00 | 0.001 | -0.268 | .2965E+02 | -.4202E-02 | -.1578E-01 | .1340E+01 | .1830E+01 | .5789E+00 | .1985E+00 | .3381E-01 | .1837E+00 | D06054.BIS |
| 5.00 | 0.001 | -0.286 | .2928E+02 | .6674E-01 | -.7600E-01 | .1930E+01 | .3939E+01 | .1200E+01 | -.5478E-01 | -.1354E+00 | .2732E+00 | D06054.BIS |
| 6.00 | 0.001 | -0.304 | .2883E+02 | .1834E+00 | -.1994E+00 | .3140E+01 | .6057E+01 | .1840E+01 | -.1615E+00 | -.2132E+00 | .4505E+00 | D06054.BIS |
| 7.00 | 0.001 | -0.322 | .2787E+02 | .6799E-01 | -.2324E+00 | .5590E+01 | .1010E+02 | .2920E+01 | -.4317E+00 | -.5387E+00 | .3401E+00 | D06054.BIS |
| 8.00 | 0.001 | -0.339 | .2681E+02 | -.1136E+00 | -.3425E+00 | .8581E+01 | .1280E+02 | .4140E+01 | -.5712E+00 | -.1250E+01 | .6243E+00 | D06054.BIS |
| 9.00 | 0.001 | -0.357 | .2516E+02 | -.8121E-01 | -.4111E+00 | .1250E+02 | .1891E+02 | .5741E+01 | -.4685E+00 | -.1731E+01 | .6890E+00 | D06054.BIS |
| 10.00 | 0.000 | -0.375 | .2407E+02 | -.1057E+00 | -.4644E+00 | .1350E+02 | .2057E+02 | .6502E+01 | -.3420E+00 | -.1582E+01 | .4857E+00 | D06054.BIS |
| 11.00 | 0.000 | -0.393 | .2324E+02 | -.1618E+00 | -.4983E+00 | .1450E+02 | .2114E+02 | .7050E+01 | -.1458E+00 | -.1690E+01 | .5689E+00 | D06054.BIS |
| 12.00 | 0.000 | -0.411 | .2179E+02 | .2326E+00 | -.5121E+00 | .1690E+02 | .2298E+02 | .8082E+01 | -.1520E+01 | -.1570E+01 | .2132E+00 | D06054.BIS |
| 13.00 | 0.000 | -0.429 | .2065E+02 | -.1580E+00 | -.6001E+00 | .1740E+02 | .2389E+02 | .8527E+01 | .1575E+00 | -.2030E+01 | .8148E+00 | D06054.BIS |
| 14.00 | 0.000 | -0.447 | .1988E+02 | -.2763E+00 | -.7202E+00 | .1640E+02 | .2235E+02 | .8854E+01 | .5606E+00 | -.9367E+00 | .8667E+00 | D06054.BIS |
| 15.00 | 0.000 | -0.465 | .1895E+02 | -.6457E-01 | -.6824E+00 | .1760E+02 | .2271E+02 | .8978E+01 | -.1163E+01 | -.1613E+01 | .7345E+00 | D06054.BIS |
| 16.00 | 0.000 | -0.482 | .1799E+02 | -.9208E-01 | -.6159E+00 | .1740E+02 | .2168E+02 | .8743E+01 | -.8180E+00 | -.1328E+01 | .6954E+00 | D06054.BIS |
| 17.00 | 0.000 | -0.500 | .1724E+02 | .1001E+00 | -.5016E+00 | .1670E+02 | .1901E+02 | .8837E+01 | -.1626E+01 | -.1450E+01 | .2024E+00 | D06054.BIS |
| 18.00 | 0.000 | -0.518 | .1664E+02 | -.6084E-01 | -.5666E+00 | .1630E+02 | .1677E+02 | .7889E+01 | -.6477E+00 | -.8153E+00 | .3553E+00 | D06054.BIS |
| 19.00 | 0.000 | -0.536 | .1618E+02 | -.2376E-01 | -.6117E+00 | .1330E+02 | .1728E+02 | .7491E+01 | .2675E+00 | -.6520E+00 | -.1461E+00 | D06054.BIS |
| 0.20 | 0.001 | -0.001 | .2999E+02 | -.6844E-04 | -.1920E-01 | .4980E-01 | .6497E-01 | .5040E-01 | .1480E-02 | .2511E-03 | -.1059E-01 | D06064.BIS |
| 1.00 | 0.001 | -0.001 | .2987E+02 | -.7450E-02 | .3336E-02 | .7980E-01 | .8475E-01 | .5090E-01 | .1049E-01 | .1676E-03 | -.1470E-01 | D06064.BIS |
| 2.00 | 0.001 | -0.001 | .2982E+02 | .8887E-02 | .4656E-01 | .4020E+00 | .2904E+00 | .1050E+00 | .3672E-01 | -.1241E-01 | -.1795E-02 | D06064.BIS |
| 3.00 | 0.001 | -0.001 | .2968E+02 | -.1571E-01 | .2659E-01 | .8400E+00 | .1091E+01 | .2510E+00 | .1401E+00 | -.1247E-01 | .1060E+00 | D06064.BIS |
| 4.00 | 0.001 | -0.001 | .2952E+02 | -.2361E-01 | .4955E-01 | .1240E+01 | .1561E+01 | .5060E+00 | .1411E+00 | -.5189E-01 | .9760E-01 | D06064.BIS |
| 5.00 | 0.001 | -0.002 | .2936E+02 | .3413E-01 | .4408E-01 | .1470E+01 | .2500E+01 | .8476E+00 | .7118E-01 | -.8532E-01 | .1734E+00 | D06064.BIS |
| 6.00 | 0.001 | -0.002 | .2900E+02 | -.1025E-01 | -.1627E-01 | .2570E+01 | .2450E+01 | .1430E+01 | -.4933E+00 | -.1801E+00 | -.3779E-01 | D06064.BIS |
| 7.00 | 0.000 | -0.002 | .2824E+02 | .5793E-01 | -.7968E-01 | .4850E+01 | .8625E+01 | .2610E+01 | -.1701E+00 | -.2857E+00 | .5976E+00 | D06064.BIS |
| 8.00 | 0.000 | -0.002 | .2721E+02 | -.4253E-01 | -.1688E+00 | .7700E+01 | .1360E+02 | .3861E+01 | .1380E+00 | -.5788E-01 | .7765E+00 | D06064.BIS |
| 9.00 | 0.000 | -0.001 | .2630E+02 | -.3471E+00 | -.3877E-01 | .9800E+01 | .1800E+02 | .4720E+01 | .5174E-01 | -.4460E+00 | .1070E+01 | D06064.BIS |
| 10.00 | 0.000 | -0.001 | .2507E+02 | -.2571E+00 | -.1969E+00 | .1160E+02 | .1970E+02 | .5690E+01 | -.7282E-01 | -.4790E+00 | .1159E+01 | D06064.BIS |
| 11.00 | 0.000 | -0.001 | .2399E+02 | -.2802E+00 | -.1504E+00 | .1320E+02 | .2146E+02 | .6768E+01 | -.2421E+00 | -.4167E+00 | .1410E+01 | D06064.BIS |
| 12.00 | 0.000 | -0.001 | .2299E+02 | -.1493E+00 | -.2398E+00 | .1440E+02 | .2225E+02 | .7709E+01 | -.9944E+00 | -.2478E+00 | .1168E+01 | D06064.BIS |
| 13.00 | 0.000 | -0.001 | .2193E+02 | -.8162E-01 | -.2078E+00 | .1470E+02 | .2174E+02 | .7978E+01 | -.1048E+01 | .1670E+00 | .1452E+01 | D06064.BIS |
| 14.00 | 0.000 | -0.001 | .2085E+02 | -.1020E+00 | -.2751E+00 | .1560E+02 | .2211E+02 | .8517E+01 | -.4909E+00 | .4835E+00 | .1021E+01 | D06064.BIS |
| 15.00 | 0.000 | -0.001 | .2010E+02 | -.1080E+00 | -.1750E+00 | .1540E+02 | .2071E+02 | .7789E+01 | .2271E+00 | .2480E+00 | .1874E+01 | D06064.BIS |
| 16.00 | 0.000 | -0.001 | .1899E+02 | -.3381E+00 | -.3202E+00 | .1570E+02 | .2013E+02 | .8436E+01 | .1367E+00 | .8317E+00 | .8817E+00 | D06064.BIS |
| 17.00 | 0.000 | -0.001 | .1855E+02 | -.9807E-01 | -.1594E+00 | .1510E+02 | .1748E+02 | .7931E+01 | -.4580E+00 | .5626E+00 | -.1625E+00 | D06064.BIS |
| 18.00 | 0.000 | -0.001 | .1739E+02 | .7352E-01 | -.2969E+00 | .1520E+02 | .1734E+02 | .8560E+01 | -.6878E+00 | .1518E+01 | .2998E+00 | D06064.BIS |
| 19.00 | 0.000 | -0.002 | .1681E+02 | -.6089E-01 | -.2484E+00 | .1490E+02 | .1575E+02 | .8289E+01 | -.4132E+00 | .1343E+01 | .5105E+00 | D06064.BIS |
| 0.20 | 0.002 | 0.200 | .3064E+02 | -.2256E+00 | -.2248E+00 | .5710E-01 | .9013E-01 | .5400E-01 | .4805E-02 | .1570E-01 | -.1290E-01 | D06074.BIS |
| 1.00 | 0.002 | 0.214 | .3044E+02 | -.1952E+00 | -.2370E+00 | .1030E+00 | .1216E+00 | .8300E-01 | .4635E-01 | .2830E-01 | .3292E-01 | D06074.BIS |
| 2.00 | 0.002 | 0.232 | .3033E+02 | -.2215E+00 | -.2501E+00 | .3659E+00 | .2662E+00 | .1180E+00 | .5533E-01 | .8093E-02 | .2458E-01 | D06074.BIS |
| 3.00 | 0.002 | 0.250 | .3012E+02 | -.3087E+00 | -.2552E+00 | .7780E+00 | .5252E+00 | .2411E+00 | .1118E+00 | -.3269E-01 | .2274E-01 | D06074.BIS |
| 4.00 | 0.002 | 0.268 | .2995E+02 | -.1900E+00 | -.1681E+00 | .1160E+01 | .1650E+01 | .4870E+00 | .1459E+00 | -.7918E-01 | .1312E+00 | D06074.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 5.00 | 0.002 | 0.286 | .2977E+02 | -.1950E+00 | -.5254E-01 | .1850E+01 | .1506E+01 | .9661E+00 | .3995E-01 | -.1390E+00 | -.4177E-01 | D06074.BIS |
| 6.00 | 0.002 | 0.303 | .2924E+02 | -.1635E+00 | .2396E-01 | .3120E+01 | .2734E+01 | .1710E+01 | -.2168E+00 | -.1768E+00 | -.2537E-01 | D06074.BIS |
| 7.00 | 0.002 | 0.321 | .2816E+02 | .3839E-01 | .9180E-01 | .6270E+01 | .1010E+02 | .3160E+01 | -.1222E+00 | .5152E+00 | .3573E+00 | D06074.BIS |
| 8.00 | 0.002 | 0.339 | .2687E+02 | -.1146E+00 | .1830E+00 | .9370E+01 | .1520E+02 | .4510E+01 | -.2215E+00 | .1250E+01 | .8241E+00 | D06074.BIS |
| 9.00 | 0.002 | 0.357 | .2529E+02 | -.3341E+00 | .1919E+00 | .1240E+02 | .2062E+02 | .6392E+01 | .2017E+00 | .1421E+01 | .1643E+01 | D06074.BIS |
| 10.00 | 0.001 | 0.375 | .2386E+02 | -.2709E+00 | .2277E+00 | .1440E+02 | .2266E+02 | .7233E+01 | -.6967E+00 | .2573E+01 | .1581E+01 | D06074.BIS |
| 11.00 | 0.001 | 0.393 | .2313E+02 | -.2486E+00 | .4342E+00 | .1560E+02 | .2467E+02 | .7941E+01 | -.4277E+00 | .2951E+01 | .1926E+01 | D06074.BIS |
| 12.00 | 0.001 | 0.410 | .2173E+02 | -.1692E+00 | .4128E+00 | .1780E+02 | .2483E+02 | .8301E+01 | -.7661E+00 | .3142E+01 | .1272E+01 | D06074.BIS |
| 13.00 | 0.001 | 0.429 | .2053E+02 | -.5653E-01 | .3823E+00 | .1840E+02 | .2439E+02 | .9130E+01 | -.3792E+00 | .3322E+01 | .1512E+01 | D06074.BIS |
| 14.00 | 0.001 | 0.446 | .1971E+02 | -.1731E+00 | .4617E+00 | .1730E+02 | .2416E+02 | .9639E+01 | -.8404E+00 | .3083E+01 | .1238E+01 | D06074.BIS |
| 15.00 | 0.001 | 0.464 | .1880E+02 | -.6401E-01 | .3501E+00 | .1730E+02 | .2212E+02 | .9961E+01 | -.3835E+00 | .3447E+01 | .1282E+01 | D06074.BIS |
| 16.00 | 0.001 | 0.482 | .1799E+02 | -.1166E+00 | .4080E+00 | .1840E+02 | .2213E+02 | .9699E+01 | -.3543E+00 | .3708E+01 | .1760E+01 | D06074.BIS |
| 17.00 | 0.001 | 0.500 | .1698E+02 | -.5343E-01 | .3542E+00 | .1870E+02 | .1854E+02 | .9471E+01 | -.8692E+00 | .3593E+01 | .2741E+00 | D06074.BIS |
| 18.00 | 0.001 | 0.517 | .1596E+02 | .5342E-01 | .3504E+00 | .1730E+02 | .1836E+02 | .8880E+01 | -.9294E+00 | .3111E+01 | -.3755E+00 | D06074.BIS |
| 19.00 | 0.001 | 0.535 | .1581E+02 | -.1026E+00 | .3874E+00 | .1660E+02 | .1684E+02 | .8719E+01 | .5158E+00 | .3180E+01 | .9319E+00 | D06074.BIS |
| 0.20 | 0.002 | 0.400 | .3010E+02 | -.3556E+00 | -.1910E+00 | .5549E-01 | .8659E-01 | .6230E-01 | .1807E-01 | .1800E-01 | .2419E-02 | D06084.BIS |
| 1.00 | 0.002 | 0.428 | .3001E+02 | -.3666E+00 | -.1545E+00 | .1001E+00 | .1045E+00 | .6781E-01 | .2343E-01 | .1200E-01 | -.2200E-03 | D06084.BIS |
| 2.00 | 0.002 | 0.464 | .2991E+02 | -.4085E+00 | -.1108E+00 | .5320E+00 | .3496E+00 | .1700E+00 | .5434E-01 | -.4013E-01 | .1055E-01 | D06084.BIS |
| 3.00 | 0.002 | 0.500 | .2964E+02 | -.5522E+00 | -.1863E+00 | .1390E+01 | .1600E+01 | .5759E+00 | .2471E+00 | -.1689E+00 | .1359E+00 | D06084.BIS |
| 4.00 | 0.002 | 0.535 | .2936E+02 | -.4146E+00 | -.2119E+00 | .2030E+01 | .2162E+01 | .1410E+01 | .1045E+00 | -.2688E+00 | .5532E-01 | D06084.BIS |
| 5.00 | 0.002 | 0.571 | .2844E+02 | -.4376E+00 | -.1599E+00 | .4290E+01 | .7405E+01 | .2990E+01 | .3974E+00 | .3459E+00 | .3194E+00 | D06084.BIS |
| 6.00 | 0.002 | 0.607 | .2665E+02 | -.5640E+00 | -.7781E-01 | .8860E+01 | .1751E+02 | .5341E+01 | .1600E+00 | .1980E+01 | .1411E+01 | D06084.BIS |
| 7.00 | 0.002 | 0.643 | .2433E+02 | -.5098E+00 | -.4009E-01 | .1310E+02 | .2285E+02 | .7301E+01 | .4250E+00 | .3541E+01 | .1119E+01 | D06084.BIS |
| 8.00 | 0.002 | 0.678 | .2208E+02 | -.4154E+00 | .1675E+00 | .1690E+02 | .2758E+02 | .8662E+01 | -.7126E+00 | .4102E+01 | .1547E+01 | D06084.BIS |
| 9.00 | 0.002 | 0.714 | .2075E+02 | -.2154E+00 | .3375E+00 | .1830E+02 | .2940E+02 | .9538E+01 | -.2954E+00 | .4218E+01 | .8552E+00 | D06084.BIS |
| 10.00 | 0.001 | 0.750 | .1928E+02 | -.2598E-01 | .4376E+00 | .2040E+02 | .2810E+02 | .1020E+02 | -.1070E+01 | .4743E+01 | .1428E+01 | D06084.BIS |
| 11.00 | 0.001 | 0.785 | .1817E+02 | .2362E-02 | .5057E+00 | .2000E+02 | .2710E+02 | .1060E+02 | -.1661E+01 | .4876E+01 | .1057E+01 | D06084.BIS |
| 12.00 | 0.001 | 0.821 | .1644E+02 | .1519E+00 | .3242E+00 | .2290E+02 | .2617E+02 | .1150E+02 | -.2188E+01 | .5866E+01 | .3573E+00 | D06084.BIS |
| 13.00 | 0.001 | 0.857 | .1556E+02 | -.1392E-01 | .4753E+00 | .2380E+02 | .2393E+02 | .1080E+02 | -.1896E+01 | .5760E+01 | -.4582E+00 | D06084.BIS |
| 14.00 | 0.001 | 0.893 | .1561E+02 | -.4563E-01 | .6952E+00 | .2080E+02 | .2356E+02 | .1100E+02 | -.1849E+00 | .4942E+01 | .8232E+00 | D06084.BIS |
| 15.00 | 0.001 | 0.928 | .1504E+02 | .8666E-01 | .6156E+00 | .1970E+02 | .2469E+02 | .1160E+02 | -.5284E-01 | .5199E+01 | .5215E+00 | D06084.BIS |
| 16.00 | 0.001 | 0.964 | .1349E+02 | -.1019E-01 | .4955E+00 | .2190E+02 | .2023E+02 | .1140E+02 | -.1228E+01 | .6050E+01 | .2884E+00 | D06084.BIS |
| 17.00 | 0.001 | 1.000 | .1314E+02 | -.1278E-01 | .3682E+00 | .2110E+02 | .1910E+02 | .1080E+02 | -.7996E+00 | .5991E+01 | .7677E+00 | D06084.BIS |
| 18.00 | 0.001 | 1.036 | .1268E+02 | .7325E-01 | .6978E+00 | .1880E+02 | .1871E+02 | .9978E+01 | -.2046E+00 | .4938E+01 | .6939E+00 | D06084.BIS |
| 19.00 | 0.001 | 1.071 | .1126E+02 | .1340E+00 | .3268E+00 | .1920E+02 | .1691E+02 | .1000E+02 | -.9945E+00 | .5180E+01 | .1533E+00 | D06084.BIS |
| 0.20 | 0.002 | 0.600 | .3013E+02 | -.4707E+00 | -.1912E+00 | .6640E-01 | .9051E-01 | .6740E-01 | .9008E-02 | .1280E-01 | -.5586E-02 | D06094.BIS |
| 1.00 | 0.002 | 0.642 | .3000E+02 | -.5281E+00 | -.1970E+00 | .1470E+00 | .1454E+00 | .1080E+00 | .2978E-01 | .1531E-01 | .1525E-01 | D06094.BIS |
| 2.00 | 0.002 | 0.696 | .2972E+02 | -.5204E+00 | -.1302E+00 | .1200E+01 | .1550E+01 | .7648E+00 | .1748E+00 | -.1548E+00 | .1501E+00 | D06094.BIS |
| 3.00 | 0.002 | 0.749 | .2869E+02 | -.6809E+00 | .1006E+00 | .3260E+01 | .6818E+01 | .2560E+01 | .1030E+01 | .3940E+00 | .8121E+00 | D06094.BIS |
| 4.00 | 0.002 | 0.803 | .2601E+02 | -.6831E+00 | .4334E+00 | .9160E+01 | .2310E+02 | .5470E+01 | .3010E+01 | .2300E+01 | .2149E+01 | D06094.BIS |
| 5.00 | 0.002 | 0.857 | .2312E+02 | -.6077E+00 | .5836E+00 | .1510E+02 | .3227E+02 | .9160E+01 | .3388E+01 | .4790E+01 | .2778E+01 | D06094.BIS |
| 6.00 | 0.002 | 0.910 | .2030E+02 | -.2907E+00 | .6975E+00 | .1950E+02 | .3335E+02 | .1060E+02 | .1223E+01 | .5802E+01 | .7234E+00 | D06094.BIS |
| 7.00 | 0.002 | 0.964 | .1820E+02 | -.3698E+00 | .9107E+00 | .2060E+02 | .3357E+02 | .1180E+02 | -.2064E+00 | .5837E+01 | .2364E+01 | D06094.BIS |
| 8.00 | 0.002 | 1.018 | .1597E+02 | .6293E-01 | .9404E+00 | .2380E+02 | .3269E+02 | .1270E+02 | -.1518E+01 | .6679E+01 | .1231E+01 | D06094.BIS |
| 9.00 | 0.002 | 1.071 | .1505E+02 | .1994E+00 | .9376E+00 | .2420E+02 | .2817E+02 | .1290E+02 | -.2270E+01 | .7708E+01 | .1211E-01 | D06094.BIS |
| 10.00 | 0.001 | 1.125 | .1340E+02 | .2753E+00 | .4523E+00 | .2590E+02 | .2627E+02 | .1340E+02 | -.2150E+01 | .7981E+01 | -.2260E+00 | D06094.BIS |
| 11.00 | 0.001 | 1.178 | .1282E+02 | .3248E+00 | .7327E+00 | .2300E+02 | .2605E+02 | .1290E+02 | -.1935E+01 | .6479E+01 | .5356E+00 | D06094.BIS |
| 12.00 | 0.001 | 1.232 | .1199E+02 | .8326E-01 | .9814E+00 | .2340E+02 | .2316E+02 | .1290E+02 | -.1601E+01 | .6460E+01 | .9460E+00 | D06094.BIS |
| 13.00 | 0.001 | 1.285 | .1100E+02 | .2128E+00 | .6892E+00 | .2500E+02 | .2112E+02 | .1240E+02 | -.1258E+01 | .7409E+01 | .3592E+00 | D06094.BIS |
| 14.00 | 0.001 | 1.339 | .9785E+01 | .1380E+00 | .4285E+00 | .2330E+02 | .1935E+02 | .1200E+02 | -.1422E+01 | .6817E+01 | .2888E+00 | D06094.BIS |
| 15.00 | 0.001 | 1.393 | .9634E+01 | .1289E+00 | .5914E+00 | .2070E+02 | .1846E+02 | .1220E+02 | -.1140E+01 | .6721E+01 | .3587E+00 | D06094.BIS |
| 16.00 | 0.001 | 1.446 | .1003E+02 | .1888E-01 | .8242E+00 | .1840E+02 | .1782E+02 | .1000E+02 | .7117E+00 | .5741E+01 | .6773E+00 | D06094.BIS |
| 17.00 | 0.001 | 1.500 | .9260E+01 | -.3811E-01 | .5042E+00 | .1700E+02 | .1575E+02 | .1040E+02 | -.3171E+00 | .5580E+01 | -.4215E-01 | D06094.BIS |
| 18.00 | 0.001 | 1.553 | .8317E+01 | .1952E+00 | .4846E+00 | .1900E+02 | .1547E+02 | .9518E+01 | -.1391E+01 | .5608E+01 | .7006E+00 | D06094.BIS |
| 19.00 | 0.001 | 1.607 | .8199E+01 | .1428E+00 | .5548E+00 | .1520E+02 | .1313E+02 | .8350E+01 | -.7648E+00 | .4440E+01 | .1256E+00 | D06094.BIS |
| 0.20 | 0.002 | 0.800 | .3024E+02 | -.5468E+00 | -.1213E+00 | .6312E-01 | .1950E+00 | .1200E+00 | -.3238E-01 | .1972E-01 | -.4657E-01 | D06104.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | 0.002 | 0.857 | .2964E+02 | -.7410E+00 | -.3783E+00 | .1600E+01 | .2970E+01 | .1830E+01 | .3880E+00 | -.9175E-02 | .1011E+00 | D06104.BIS |
| 2.00 | 0.002 | 0.928 | .2440E+02 | -.1042E+01 | .4214E+00 | .1090E+02 | .1539E+02 | .7829E+01 | -.5334E+00 | .3619E+01 | -.3321E+00 | D06104.BIS |
| 3.00 | 0.002 | 1.000 | .1987E+02 | -.4604E+00 | .1086E+01 | .1790E+02 | .4736E+02 | .1110E+02 | .3068E+01 | .4838E+01 | .2958E+01 | D06104.BIS |
| 4.00 | 0.002 | 1.071 | .1598E+02 | -.2474E+00 | .1019E+01 | .2370E+02 | .4192E+02 | .1440E+02 | -.1672E+00 | .6438E+01 | .1838E+01 | D06104.BIS |
| 5.00 | 0.002 | 1.143 | .1354E+02 | -.1381E+00 | .9579E+00 | .2500E+02 | .3425E+02 | .1450E+02 | .7073E+00 | .8051E+01 | .5976E-01 | D06104.BIS |
| 6.00 | 0.002 | 1.214 | .1139E+02 | .2621E+00 | .7848E+00 | .2640E+02 | .2893E+02 | .1370E+02 | -.1199E+01 | .8489E+01 | .2329E+00 | D06104.BIS |
| 7.00 | 0.002 | 1.285 | .1035E+02 | .4379E+00 | .8963E+00 | .2430E+02 | .2624E+02 | .1330E+02 | -.3708E+01 | .7821E+01 | -.5130E+00 | D06104.BIS |
| 8.00 | 0.002 | 1.357 | .9863E+01 | .1595E+00 | .8529E+00 | .2290E+02 | .2268E+02 | .1340E+02 | -.1097E+01 | .7856E+01 | -.4785E+00 | D06104.BIS |
| 9.00 | 0.002 | 1.428 | .8552E+01 | .2573E+00 | .6017E+00 | .2310E+02 | .1858E+02 | .1300E+02 | -.1669E+01 | .8008E+01 | -.1075E+00 | D06104.BIS |
| 10.00 | 0.001 | 1.500 | .8162E+01 | -.1854E+00 | .7165E+00 | .2320E+02 | .1797E+02 | .1250E+02 | .9942E-01 | .7899E+01 | -.1139E+01 | D06104.BIS |
| 11.00 | 0.001 | 1.571 | .7686E+01 | .2490E+00 | .6439E+00 | .1950E+02 | .1755E+02 | .1110E+02 | -.1673E+01 | .6451E+01 | -.2584E+00 | D06104.BIS |
| 12.00 | 0.001 | 1.643 | .7174E+01 | .1598E+00 | .6149E+00 | .1790E+02 | .1515E+02 | .1090E+02 | -.6385E+00 | .6572E+01 | -.5311E+00 | D06104.BIS |
| 13.00 | 0.001 | 1.714 | .6829E+01 | .2327E-01 | .5644E+00 | .1730E+02 | .1460E+02 | .1010E+02 | -.6684E+00 | .6211E+01 | -.1832E+00 | D06104.BIS |
| 14.00 | 0.001 | 1.786 | .6545E+01 | .1440E+00 | .4734E+00 | .1590E+02 | .1358E+02 | .1020E+02 | .5567E+00 | .6022E+01 | .1813E+00 | D06104.BIS |
| 15.00 | 0.001 | 1.857 | .6113E+01 | .1344E+00 | .3270E+00 | .1460E+02 | .1299E+02 | .9300E+01 | -.2589E+00 | .5410E+01 | -.2206E-01 | D06104.BIS |
| 16.00 | 0.001 | 1.928 | .5728E+01 | .8753E-01 | .3579E+00 | .1410E+02 | .1083E+02 | .8578E+01 | .5208E+00 | .4948E+01 | -.2123E+00 | D06104.BIS |
| 17.00 | 0.001 | 2.000 | .5449E+01 | .1772E+00 | .3686E+00 | .1290E+02 | .1038E+02 | .8542E+01 | -.8856E+00 | .5182E+01 | -.1969E+00 | D06104.BIS |
| 18.00 | 0.001 | 2.071 | .5303E+01 | .9900E-01 | .3438E+00 | .1330E+02 | .1014E+02 | .8121E+01 | -.3319E+00 | .5081E+01 | -.2873E+00 | D06104.BIS |
| 19.00 | 0.001 | 2.142 | .5410E+01 | .1867E-01 | .5119E+00 | .1050E+02 | .1031E+02 | .7221E+01 | -.3043E+00 | .4130E+01 | -.3275E+00 | D06104.BIS |
| 0.20 | 0.002 | 1.000 | .1660E+02 | .1652E+01 | -.8271E-01 | .2570E+01 | .1799E+01 | .2674E+00 | .3929E+00 | .1617E+00 | .8087E-01 | D06114.BIS |
| 1.00 | 0.002 | 1.071 | .6770E+01 | .6198E+00 | .1298E+00 | .2960E+02 | .7089E+02 | .2620E+02 | .5436E+01 | .1180E+02 | .3674E+01 | D06114.BIS |
| 2.00 | 0.002 | 1.161 | .9634E+01 | -.3141E-01 | .1324E+01 | .2510E+02 | .4152E+02 | .1450E+02 | .2186E+01 | .8540E+01 | .1138E+01 | D06114.BIS |
| 3.00 | 0.002 | 1.250 | .8305E+01 | .2634E+00 | .1081E+01 | .2620E+02 | .2992E+02 | .1510E+02 | -.8674E-01 | .9260E+01 | .2638E+00 | D06114.BIS |
| 4.00 | 0.002 | 1.339 | .6439E+01 | .3527E+00 | .6750E+00 | .2130E+02 | .2017E+02 | .1300E+02 | -.6702E+00 | .8128E+01 | -.2337E+00 | D06114.BIS |
| 5.00 | 0.002 | 1.429 | .6004E+01 | .2287E+00 | .6282E+00 | .1820E+02 | .1779E+02 | .1190E+02 | -.1674E+00 | .7358E+01 | -.5958E+00 | D06114.BIS |
| 6.00 | 0.002 | 1.518 | .5437E+01 | .1426E+00 | .5863E+00 | .1610E+02 | .1470E+02 | .1060E+02 | .8161E+00 | .6159E+01 | -.2325E+00 | D06114.BIS |
| 7.00 | 0.002 | 1.607 | .4826E+01 | .2994E+00 | .4481E+00 | .1570E+02 | .1322E+02 | .1020E+02 | -.7366E+00 | .6449E+01 | -.7196E+00 | D06114.BIS |
| 8.00 | 0.002 | 1.696 | .4997E+01 | .2327E+00 | .5068E+00 | .1410E+02 | .1232E+02 | .8929E+01 | -.1507E-01 | .5129E+01 | -.5336E+00 | D06114.BIS |
| 9.00 | 0.002 | 1.785 | .4537E+01 | .1967E+00 | .3714E+00 | .1360E+02 | .1014E+02 | .8603E+01 | -.5192E+00 | .5362E+01 | -.5398E-01 | D06114.BIS |
| 10.00 | 0.001 | 1.875 | .3710E+01 | .3523E+00 | .7407E-01 | .1230E+02 | .9089E+01 | .7721E+01 | -.9047E+00 | .4620E+01 | -.4631E+00 | D06114.BIS |
| 11.00 | 0.001 | 1.964 | .3878E+01 | .1078E+00 | .3155E+00 | .1230E+02 | .9033E+01 | .7781E+01 | .1233E+00 | .4381E+01 | -.1878E+00 | D06114.BIS |
| 12.00 | 0.001 | 2.053 | .4103E+01 | .2457E-01 | .3630E+00 | .1140E+02 | .9691E+01 | .7582E+01 | .1965E+00 | .4351E+01 | -.2916E+00 | D06114.BIS |
| 13.00 | 0.001 | 2.142 | .3827E+01 | -.6051E-01 | .2649E+00 | .9559E+01 | .9657E+01 | .6780E+01 | .1699E+00 | .3549E+01 | -.1275E+00 | D06114.BIS |
| 14.00 | 0.001 | 2.232 | .3546E+01 | .2061E+00 | .2208E+00 | .9999E+01 | .8427E+01 | .5879E+01 | -.2393E+00 | .3189E+01 | -.5620E-01 | D06114.BIS |
| 15.00 | 0.001 | 2.321 | .3518E+01 | .9418E-01 | .2900E+00 | .9358E+01 | .8893E+01 | .6149E+01 | .7336E-03 | .3178E+01 | -.1747E+00 | D06114.BIS |
| 16.00 | 0.001 | 2.410 | .3546E+01 | .2652E+00 | .3822E+00 | .8768E+01 | .8753E+01 | .6299E+01 | .4559E+00 | .3009E+01 | .1308E+00 | D06114.BIS |
| 17.00 | 0.001 | 2.500 | .3462E+01 | -.1117E+00 | .3119E+00 | .8050E+01 | .8464E+01 | .5540E+01 | -.1456E+00 | .2880E+01 | -.1500E+00 | D06114.BIS |
| 18.00 | 0.001 | 2.589 | .3206E+01 | .9431E-01 | .3389E+00 | .8499E+01 | .8510E+01 | .5679E+01 | -.3631E-01 | .3039E+01 | -.1126E+00 | D06114.BIS |
| 19.00 | 0.001 | 2.678 | .3284E+01 | .8153E-01 | .2860E+00 | .7150E+01 | .8089E+01 | .4960E+01 | .2778E+00 | .2690E+01 | .3318E+00 | D06114.BIS |
| 0.20 | 0.101 | -0.200 | .3011E+02 | -.7777E+00 | -.6461E+00 | .1220E+00 | .4244E+00 | .3619E+00 | .4023E-02 | .8230E-01 | -.9458E-01 | D07054.BIS |
| 1.00 | 0.119 | -0.214 | .3009E+02 | -.7747E+00 | -.5535E+00 | .9203E-01 | .2513E+00 | .3390E+00 | .3344E-01 | .3436E-01 | .7430E-03 | D07054.BIS |
| 2.00 | 0.143 | -0.233 | .3004E+02 | -.8818E+00 | -.4818E+00 | .3000E+00 | .4717E+00 | .4660E+00 | .3172E-01 | .2989E-01 | -.4971E-01 | D07054.BIS |
| 3.00 | 0.167 | -0.250 | .2992E+02 | -.1035E+01 | -.4522E+00 | .8970E+00 | .1101E+01 | .8670E+00 | .1479E+00 | .9047E-01 | -.7687E-01 | D07054.BIS |
| 4.00 | 0.191 | -0.268 | .2927E+02 | -.1206E+01 | -.5879E+00 | .2610E+01 | .2290E+01 | .1900E+01 | .6839E+00 | -.2202E+00 | -.1974E+00 | D07054.BIS |
| 5.00 | 0.214 | -0.286 | .2764E+02 | -.1132E+01 | -.4931E+00 | .7500E+01 | .1320E+02 | .4230E+01 | .3271E+01 | -.4161E-01 | .8045E+00 | D07054.BIS |
| 6.00 | 0.238 | -0.304 | .2599E+02 | -.1000E+01 | -.5049E+00 | .1030E+02 | .1860E+02 | .5840E+01 | .4109E+01 | .2509E+00 | .1289E+01 | D07054.BIS |
| 7.00 | 0.262 | -0.322 | .2468E+02 | -.6670E+00 | -.6054E+00 | .1250E+02 | .1921E+02 | .6300E+01 | .4760E+01 | .3348E+00 | .5253E+00 | D07054.BIS |
| 8.00 | 0.286 | -0.339 | .2338E+02 | -.6509E+00 | -.4998E+00 | .1450E+02 | .2203E+02 | .8075E+01 | .5291E+01 | .4851E+00 | .1001E+01 | D07054.BIS |
| 9.00 | 0.309 | -0.357 | .2238E+02 | -.4675E+00 | -.6745E+00 | .1550E+02 | .2380E+02 | .8322E+01 | .6310E+01 | .8876E+00 | .1539E+01 | D07054.BIS |
| 10.00 | 0.333 | -0.375 | .2125E+02 | -.5477E+00 | -.5280E+00 | .1690E+02 | .2207E+02 | .8901E+01 | .5542E+01 | .4541E+00 | .6440E+00 | D07054.BIS |
| 11.00 | 0.357 | -0.393 | .2032E+02 | -.2178E+00 | -.6039E+00 | .1750E+02 | .2252E+02 | .9517E+01 | .4523E+01 | .1110E+01 | .1225E+01 | D07054.BIS |
| 12.00 | 0.381 | -0.411 | .1952E+02 | -.1358E+00 | -.5104E+00 | .1800E+02 | .2295E+02 | .9721E+01 | .5087E+01 | .5413E+00 | .2925E+00 | D07054.BIS |
| 13.00 | 0.404 | -0.429 | .1899E+02 | .1555E+00 | -.4339E+00 | .1700E+02 | .2243E+02 | .1030E+02 | .4166E+01 | .1122E+00 | .1106E+01 | D07054.BIS |
| 14.00 | 0.428 | -0.447 | .1804E+02 | .8228E-01 | -.4102E+00 | .1690E+02 | .2132E+02 | .9379E+01 | .3920E+01 | -.2762E+00 | .5208E+00 | D07054.BIS |
| 15.00 | 0.452 | -0.465 | .1716E+02 | -.2829E-01 | -.4581E+00 | .1700E+02 | .1969E+02 | .1020E+02 | .4252E+01 | -.2339E+00 | .6454E+00 | D07054.BIS |
| 16.00 | 0.477 | -0.482 | .1614E+02 | -.6522E-01 | -.2558E+00 | .1770E+02 | .1773E+02 | .9802E+01 | .3360E+01 | -.8952E+00 | -.1510E-02 | D07054.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 0.500 | -0.500 | .1560E+02 | .2018E+00 | -.3001E+00 | .1620E+02 | .1662E+02 | .9081E+01 | .3129E+01 | -.2321E+00 | .4455E+00 | D07054.BIS |
| 18.00 | 0.523 | -0.518 | .1465E+02 | .5964E-01 | -.3402E+00 | .1540E+02 | .1507E+02 | .8453E+01 | .3603E+01 | -.3454E+00 | -.2601E+00 | D07054.BIS |
| 19.00 | 0.548 | -0.536 | .1439E+02 | .1396E+00 | -.1172E+00 | .1420E+02 | .1288E+02 | .7659E+01 | .2744E+01 | -.1001E+01 | -.3024E+00 | D07054.BIS |
| 0.20 | 0.101 | 0.000 | .3002E+02 | .1088E-01 | -.1617E+00 | .6110E-01 | .6914E-01 | .6160E-01 | .2242E-01 | .9162E-02 | .1548E-01 | D07064.BIS |
| 1.00 | 0.119 | 0.000 | .2990E+02 | -.1748E-01 | -.1676E+00 | .9571E-01 | .9930E-01 | .6340E-01 | .1882E-01 | .7480E-02 | -.6063E-02 | D07064.BIS |
| 2.00 | 0.143 | -0.001 | .2987E+02 | -.2572E-01 | -.1388E+00 | .5610E+00 | .4337E+00 | .1510E+00 | .3533E-01 | .5852E-02 | -.3610E-02 | D07064.BIS |
| 3.00 | 0.167 | -0.001 | .2971E+02 | .1622E-01 | -.8745E-01 | .1100E+01 | .8220E+00 | .4040E+00 | .1965E+00 | -.4581E-01 | -.4287E-01 | D07064.BIS |
| 4.00 | 0.191 | -0.001 | .2932E+02 | -.3640E-01 | -.1191E+00 | .2020E+01 | .1603E+01 | .1070E+01 | .6901E+00 | -.7764E-01 | .7370E-02 | D07064.BIS |
| 5.00 | -0.214 | -0.001 | .2884E+02 | -.2128E-01 | -.8580E-01 | .3400E+01 | .2587E+01 | .1910E+01 | .9638E+00 | .3062E+00 | -.8239E-01 | D07064.BIS |
| 6.00 | 0.238 | -0.001 | .2796E+02 | .1771E-01 | -.4839E-01 | .5741E+01 | .4345E+01 | .2910E+01 | .1649E+01 | -.4453E+00 | -.2162E+00 | D07064.BIS |
| 7.00 | 0.262 | -0.001 | .2712E+02 | .7112E-01 | -.6125E-01 | .8510E+01 | .1349E+02 | .4080E+01 | .3641E+01 | -.5440E+00 | .4019E+00 | D07064.BIS |
| 8.00 | 0.286 | -0.001 | .2644E+02 | .8447E-01 | -.1325E+00 | .1020E+02 | .1430E+02 | .4910E+01 | .4389E+01 | .5797E-01 | .1120E+01 | D07064.BIS |
| 9.00 | 0.309 | -0.001 | .2543E+02 | .2447E+00 | -.1572E-01 | .1240E+02 | .1699E+02 | .5840E+01 | .4639E+01 | .3110E+00 | .5699E+00 | D07064.BIS |
| 10.00 | 0.333 | -0.002 | .2427E+02 | .1801E+00 | -.2386E+00 | .1430E+02 | .2057E+02 | .7136E+01 | .4395E+01 | .1326E+00 | .9178E+00 | D07064.BIS |
| 11.00 | 0.357 | -0.002 | .2312E+02 | .4140E+00 | -.1843E+00 | .1600E+02 | .2037E+02 | .7690E+01 | .4454E+01 | .9161E+00 | .8466E+00 | D07064.BIS |
| 12.00 | 0.381 | -0.002 | .2215E+02 | .4546E+00 | -.2597E+00 | .1710E+02 | .2264E+02 | .8821E+01 | .4923E+01 | .9014E+00 | .1723E+01 | D07064.BIS |
| 13.00 | 0.404 | -0.002 | .2122E+02 | .4353E+00 | -.2219E+00 | .1770E+02 | .2407E+02 | .9269E+01 | .4482E+01 | .3648E+00 | .7143E+00 | D07064.BIS |
| 14.00 | 0.428 | 0.000 | .2046E+02 | .4838E+00 | -.2142E+00 | .1610E+02 | .2101E+02 | .9922E+01 | .3936E+01 | .1343E+01 | .1017E+01 | D07064.BIS |
| 15.00 | 0.452 | 0.000 | .1922E+02 | .3938E+00 | -.2443E+00 | .1760E+02 | .2107E+02 | .9617E+01 | .4174E+01 | .1060E+01 | .2025E+00 | D07064.BIS |
| 16.00 | 0.477 | 0.000 | .1894E+02 | .4664E+00 | -.9911E-01 | .1670E+02 | .1952E+02 | .9260E+01 | .3557E+01 | .1055E+01 | .1221E+01 | D07064.BIS |
| 17.00 | 0.500 | -0.001 | .1759E+02 | .4324E+00 | -.3345E+00 | .1840E+02 | .1870E+02 | .9110E+01 | .3114E+01 | .1641E+01 | .9103E+00 | D07064.BIS |
| 18.00 | 0.523 | -0.001 | .1695E+02 | .5096E+00 | -.1147E+00 | .1700E+02 | .1696E+02 | .8791E+01 | .3415E+01 | .1047E+01 | .3408E+00 | D07064.BIS |
| 19.00 | 0.548 | -0.001 | .1617E+02 | .4011E+00 | -.2703E+00 | .1550E+02 | .1529E+02 | .8503E+01 | .2318E+01 | .1229E+01 | .4927E+00 | D07064.BIS |
| 0.20 | 0.100 | 0.200 | .3018E+02 | -.3368E+00 | -.2557E+00 | .8530E-01 | .1581E+00 | .8950E-01 | -.1389E-01 | -.6349E-02 | -.4623E-01 | D07074.BIS |
| 1.00 | 0.119 | 0.214 | .3009E+02 | -.4345E+00 | -.2193E+00 | .1410E+00 | .2718E+00 | .1150E+00 | -.3093E-01 | .7089E-02 | -.7140E-01 | D07074.BIS |
| 2.00 | 0.143 | 0.232 | .3007E+02 | -.4386E+00 | -.2049E+00 | .6130E+00 | .4294E+00 | .1780E+00 | .8405E-01 | -.3816E-01 | -.2423E-01 | D07074.BIS |
| 3.00 | 0.167 | 0.250 | .2990E+02 | -.4008E+00 | -.1391E+00 | .1240E+01 | .8137E+00 | .4450E+00 | .1768E+00 | -.1460E+00 | -.3774E-01 | D07074.BIS |
| 4.00 | 0.191 | 0.268 | .2953E+02 | -.3843E+00 | -.1070E+00 | .2130E+01 | .1543E+01 | .1010E+01 | .6720E+00 | -.1204E+00 | .1074E+00 | D07074.BIS |
| 5.00 | 0.214 | 0.285 | .2894E+02 | -.2689E+00 | -.2274E-01 | .3780E+01 | .6603E+01 | .6290E+01 | .1491E+01 | -.2358E+00 | .4810E+00 | D07074.BIS |
| 6.00 | 0.238 | 0.303 | .2808E+02 | -.1718E+00 | .1438E-01 | .6290E+01 | .9324E+01 | .3770E+01 | .2021E+01 | .2099E-01 | .4997E+00 | D07074.BIS |
| 7.00 | 0.262 | 0.321 | .2684E+02 | -.1581E+00 | .2691E-01 | .9270E+01 | .1240E+02 | .5180E+01 | .3099E+01 | .3677E+00 | .1571E+00 | D07074.BIS |
| 8.00 | 0.286 | 0.339 | .2620E+02 | .1667E+00 | .8316E-01 | .1030E+02 | .1789E+02 | .6010E+01 | .3869E+01 | .4477E+00 | .4226E+00 | D07074.BIS |
| 9.00 | 0.309 | 0.357 | .2462E+02 | .5952E-01 | -.4270E-03 | .1340E+02 | .2319E+02 | .7519E+01 | .4513E+01 | .1870E+01 | .4602E+00 | D07074.BIS |
| 10.00 | 0.333 | 0.375 | .2316E+02 | .2639E+00 | .1495E+00 | .1720E+02 | .2190E+02 | .8478E+01 | .4592E+01 | .2848E+01 | -.2045E+00 | D07074.BIS |
| 11.00 | 0.357 | 0.393 | .2186E+02 | .2380E+00 | .1982E+00 | .1920E+02 | .2316E+02 | .1010E+02 | .4336E+01 | .2859E+01 | -.2911E+00 | D07074.BIS |
| 12.00 | 0.381 | 0.410 | .2072E+02 | .2826E+00 | .1031E+00 | .1960E+02 | .2390E+02 | .9838E+01 | .4107E+01 | .2922E+01 | .4552E-01 | D07074.BIS |
| 13.00 | 0.404 | 0.429 | .1965E+02 | .5045E+00 | .9967E-01 | .2040E+02 | .2223E+02 | .1050E+02 | .3787E+01 | .3531E+01 | -.3416E+00 | D07074.BIS |
| 14.00 | 0.428 | 0.446 | .1856E+02 | .3356E+00 | .4672E-01 | .2160E+02 | .2182E+02 | .1070E+02 | .3296E+01 | .4361E+01 | .5537E-01 | D07074.BIS |
| 15.00 | 0.452 | 0.464 | .1814E+02 | .5710E+00 | .3283E+00 | .1960E+02 | .2448E+02 | .1040E+02 | .4174E+01 | .3398E+01 | -.3115E+00 | D07074.BIS |
| 16.00 | 0.476 | 0.482 | .1734E+02 | .3703E+00 | .4004E+00 | .1870E+02 | .2286E+02 | .1070E+02 | .3395E+01 | .3150E+01 | .1376E+00 | D07074.BIS |
| 17.00 | 0.500 | 0.500 | .1606E+02 | .4466E+00 | .1858E+00 | .1940E+02 | .2229E+02 | .1080E+02 | .3360E+01 | .3819E+01 | .9169E-01 | D07074.BIS |
| 18.00 | 0.523 | 0.518 | .1594E+02 | .1347E+00 | .2652E+00 | .1790E+02 | .1836E+02 | .9621E+01 | .2267E+01 | .2782E+01 | .7621E-01 | D07074.BIS |
| 19.00 | 0.548 | 0.535 | .1516E+02 | .4605E+00 | .2091E+00 | .1630E+02 | .1713E+02 | .9140E+01 | .2196E+01 | .3100E+01 | -.1942E+00 | D07074.BIS |
| 0.20 | 0.100 | 0.400 | .3012E+02 | -.5426E+00 | -.6605E+00 | .1130E+00 | .2200E+00 | .1210E+00 | .1169E+00 | .2962E-01 | .9343E-01 | D07084.BIS |
| 1.00 | 0.118 | 0.428 | .3003E+02 | -.7675E+00 | -.5813E+00 | .3150E+00 | .2814E+00 | .3070E+00 | .1715E+00 | -.6620E-01 | .5148E-01 | D07084.BIS |
| 2.00 | 0.142 | 0.464 | .3002E+02 | -.9116E+00 | -.3749E+00 | .6989E+00 | .4623E+00 | .4560E+00 | .2262E+00 | -.1390E+00 | .2821E-01 | D07084.BIS |
| 3.00 | 0.167 | 0.500 | .2994E+02 | -.8766E+00 | -.2960E+00 | .1430E+01 | .8202E+00 | .7781E+00 | .2757E+00 | -.2970E+00 | .7981E-01 | D07084.BIS |
| 4.00 | 0.191 | 0.535 | .2958E+02 | -.6993E+00 | -.1146E+00 | .2900E+01 | .2202E+01 | .1730E+01 | .9896E+00 | -.3259E+00 | -.9023E-01 | D07084.BIS |
| 5.00 | 0.214 | 0.571 | .2858E+02 | -.2333E+00 | .4487E-01 | .4870E+01 | .1070E+02 | .3550E+01 | .2310E+01 | .2367E+00 | .8279E+00 | D07084.BIS |
| 6.00 | 0.238 | 0.607 | .2648E+02 | -.3851E+00 | .2083E+00 | .1020E+02 | .1772E+02 | .6401E+01 | .3643E+01 | .1781E+01 | .1815E+01 | D07084.BIS |
| 7.00 | 0.262 | 0.643 | .2407E+02 | -.2719E+00 | .4460E+00 | .1460E+02 | .2160E+02 | .8161E+01 | .3992E+01 | .2781E+01 | -.8433E-01 | D07084.BIS |
| 8.00 | 0.286 | 0.678 | .2296E+02 | .1568E+00 | .5284E+00 | .1510E+02 | .2442E+02 | .8399E+01 | .3954E+01 | .3349E+01 | .6736E-01 | D07084.BIS |
| 9.00 | 0.309 | 0.714 | .2069E+02 | -.1265E+00 | .7433E+00 | .1970E+02 | .2482E+02 | .9697E+01 | .4794E+01 | .4090E+01 | -.1999E+00 | D07084.BIS |
| 10.00 | 0.333 | 0.750 | .1914E+02 | .1651E+00 | .6807E+00 | .2130E+02 | .2496E+02 | .1130E+02 | .5186E+01 | .4290E+01 | -.5070E+00 | D07084.BIS |
| 11.00 | 0.357 | 0.785 | .1825E+02 | .2537E+00 | .7447E+00 | .2120E+02 | .2533E+02 | .1140E+02 | .4501E+01 | .5022E+01 | -.6137E+00 | D07084.BIS |
| 12.00 | 0.381 | 0.821 | .1772E+02 | .2881E+00 | .7093E+00 | .2040E+02 | .2341E+02 | .1120E+02 | .3250E+01 | .4808E+01 | -.4617E+00 | D07084.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 13.00 | 0.404 | 0.857 | .1649E+02 | .4260E+00 | .5867E+00 | .2280E+02 | .2216E+02 | .1110E+02 | .4095E+01 | .5638E+01 | .2260E-01 | D07084.BIS |
| 14.00 | 0.428 | 0.893 | .1557E+02 | .3641E+00 | .6742E+00 | .2240E+02 | .2001E+02 | .1140E+02 | .3031E+01 | .4750E+01 | -.3797E+00 | D07084.BIS |
| 15.00 | 0.453 | 0.928 | .1524E+02 | .5758E+00 | .9406E+00 | .2060E+02 | .2155E+02 | .1090E+02 | .2459E+01 | .3973E+01 | -.5722E+00 | D07084.BIS |
| 16.00 | 0.477 | 0.964 | .1444E+02 | .4064E+00 | .6914E+00 | .2100E+02 | .1727E+02 | .1130E+02 | .1709E+01 | .5023E+01 | -.2808E+00 | D07084.BIS |
| 17.00 | 0.500 | 1.000 | .1239E+02 | .2823E+00 | .2471E+00 | .2310E+02 | .1672E+02 | .1250E+02 | .2487E+01 | .6189E+01 | -.9303E+00 | D07084.BIS |
| 18.00 | 0.523 | 1.036 | .1200E+02 | .3598E+00 | .2980E+00 | .2130E+02 | .1551E+02 | .1110E+02 | .2883E+01 | .5583E+01 | -.8007E+00 | D07084.BIS |
| 19.00 | 0.548 | 1.071 | .1145E+02 | .2891E+00 | .3569E+00 | .1970E+02 | .1350E+02 | .1080E+02 | .1717E+01 | .5191E+01 | -.6247E+00 | D07084.BIS |
| 0.20 | 0.101 | 0.600 | .3018E+02 | -.8161E+00 | -.8174E+00 | .1670E+00 | .1795E+00 | .2200E+00 | .9182E-01 | -.2557E-01 | .3167E-01 | D07094.BIS |
| 1.00 | 0.118 | 0.643 | .3002E+02 | -.8961E+00 | -.9509E+00 | .6100E+00 | .4512E+00 | .8050E+00 | .2408E+00 | -.2740E+00 | .1034E+00 | D07094.BIS |
| 2.00 | 0.142 | 0.697 | .3005E+02 | -.7703E+00 | -.9868E+00 | .9251E+00 | .6409E+00 | .7881E+00 | .2161E+00 | -.2521E+00 | -.2801E-01 | D07094.BIS |
| 3.00 | 0.167 | 0.750 | .2867E+02 | -.6569E+00 | -.6102E+00 | .4590E+01 | .4910E+01 | .2760E+01 | .4313E+00 | .4331E+00 | -.3516E+00 | D07094.BIS |
| 4.00 | 0.191 | 0.803 | .2425E+02 | -.1899E+00 | .5311E-01 | .1160E+02 | .1428E+02 | .6022E+01 | -.3853E+00 | .2722E+01 | -.6159E+00 | D07094.BIS |
| 5.00 | 0.214 | 0.857 | .2064E+02 | .2174E-01 | .1039E+00 | .1760E+02 | .2996E+02 | .9362E+01 | .2460E+01 | .5272E+01 | .1276E+00 | D07094.BIS |
| 6.00 | 0.238 | 0.910 | .1802E+02 | .3557E-01 | .1731E+00 | .2040E+02 | .3045E+02 | .1130E+02 | .3099E+01 | .6231E+01 | -.6858E+00 | D07094.BIS |
| 7.00 | 0.262 | 0.964 | .1636E+02 | .1114E+00 | .4672E+00 | .2090E+02 | .2786E+02 | .1180E+02 | .3011E+01 | .6441E+01 | -.1202E+01 | D07094.BIS |
| 8.00 | 0.286 | 1.018 | .1443E+02 | .1894E+00 | .3289E+00 | .2490E+02 | .2589E+02 | .1210E+02 | .4046E+01 | .7612E+01 | -.3581E+00 | D07094.BIS |
| 9.00 | 0.309 | 1.071 | .1340E+02 | .2797E+00 | .5092E+00 | .2600E+02 | .2456E+02 | .1300E+02 | .2843E+01 | .8231E+01 | -.9795E+00 | D07094.BIS |
| 10.00 | 0.333 | 1.125 | .1280E+02 | .4716E+00 | .7336E+00 | .2510E+02 | .2316E+02 | .1270E+02 | .3166E+01 | .7331E+01 | -.1112E+01 | D07094.BIS |
| 11.00 | 0.357 | 1.178 | .1246E+02 | .3741E+00 | .8444E+00 | .2500E+02 | .2481E+02 | .1310E+02 | .4600E+01 | .7542E+01 | -.9363E+00 | D07094.BIS |
| 12.00 | 0.381 | 1.232 | .1181E+02 | .3365E+00 | .9057E+00 | .2240E+02 | .2230E+02 | .1330E+02 | .4189E+01 | .7090E+01 | -.5394E-01 | D07094.BIS |
| 13.00 | 0.404 | 1.285 | .1085E+02 | .1229E+00 | .7064E+00 | .2340E+02 | .1899E+02 | .1220E+02 | .3181E+01 | .6168E+01 | -.8914E+00 | D07094.BIS |
| 14.00 | 0.428 | 1.339 | .1110E+02 | .5106E+00 | .9513E+00 | .2070E+02 | .1892E+02 | .1140E+02 | .1997E+01 | .5757E+01 | -.8534E+00 | D07094.BIS |
| 15.00 | 0.453 | 1.393 | .1061E+02 | .4735E+00 | .7771E+00 | .2010E+02 | .2036E+02 | .1130E+02 | .2424E+01 | .6458E+01 | .1937E+00 | D07094.BIS |
| 16.00 | 0.477 | 1.446 | .9933E+01 | .6327E+00 | .7526E+00 | .1770E+02 | .1744E+02 | .1060E+02 | .1813E+01 | .5521E+01 | -.7790E+00 | D07094.BIS |
| 17.00 | 0.500 | 1.500 | .9475E+01 | .3792E+00 | .6307E+00 | .1750E+02 | .1683E+02 | .1090E+02 | .1590E+01 | .5180E+01 | -.7882E+00 | D07094.BIS |
| 18.00 | 0.523 | 1.553 | .8985E+01 | .4239E+00 | .6819E+00 | .1730E+02 | .1549E+02 | .9569E+01 | .1046E+01 | .5399E+01 | -.4588E+00 | D07094.BIS |
| 19.00 | 0.548 | 1.607 | .8310E+01 | .4017E+00 | .6141E+00 | .1620E+02 | .1436E+02 | .8839E+01 | .1167E+01 | .5489E+01 | -.4169E+00 | D07094.BIS |
| 0.20 | 0.102 | 0.800 | .3014E+02 | .3034E+01 | -.2310E+01 | .1330E+00 | .8989E+00 | .5470E+00 | -.5578E-02 | .8406E-01 | -.3758E+00 | D07104.BIS |
| 1.00 | 0.118 | 0.857 | .2743E+02 | .2186E+01 | -.2780E+01 | .7160E+01 | .5539E+01 | .2720E+01 | .7172E-01 | -.1800E+00 | .1526E+00 | D07104.BIS |
| 2.00 | 0.142 | 0.928 | .2066E+02 | .5556E+00 | -.7779E+00 | .1880E+02 | .2418E+02 | .9769E+01 | .1436E+01 | .6229E+01 | -.7752E+00 | D07104.BIS |
| 3.00 | 0.167 | 1.000 | .1741E+02 | .6510E+00 | -.1574E-01 | .2210E+02 | .5195E+02 | .1060E+02 | .6949E+01 | .5760E+01 | .3607E+01 | D07104.BIS |
| 4.00 | 0.191 | 1.071 | .1452E+02 | .7814E+00 | .2796E+00 | .2450E+02 | .4064E+02 | .1170E+02 | .5660E+01 | .6802E+01 | .2458E+01 | D07104.BIS |
| 5.00 | 0.214 | 1.143 | .1184E+02 | .5995E+00 | .1468E+00 | .2600E+02 | .3176E+02 | .1250E+02 | .4510E+01 | .7570E+01 | .4433E+00 | D07104.BIS |
| 6.00 | 0.238 | 1.214 | .1064E+02 | .6734E+00 | .3182E+00 | .2530E+02 | .3001E+02 | .1250E+02 | .5359E+01 | .7752E+01 | .6310E+00 | D07104.BIS |
| 7.00 | 0.262 | 1.285 | .9140E+01 | .5827E+00 | .2089E+00 | .2610E+02 | .2582E+02 | .1220E+02 | .4995E+01 | .8071E+01 | -.3580E+00 | D07104.BIS |
| 8.00 | 0.286 | 1.357 | .1020E+02 | .5042E+00 | .7670E+00 | .2420E+02 | .2464E+02 | .1370E+02 | .5505E+01 | .8661E+01 | .8388E+00 | D07104.BIS |
| 9.00 | 0.309 | 1.428 | .9059E+01 | .7623E+00 | .5887E+00 | .2400E+02 | .2196E+02 | .1340E+02 | .4123E+01 | .8290E+01 | -.9531E+00 | D07104.BIS |
| 10.00 | 0.333 | 1.500 | .8457E+01 | .5637E+00 | .4206E+00 | .2370E+02 | .1969E+02 | .1280E+02 | .3683E+01 | .7892E+01 | .1898E+00 | D07104.BIS |
| 11.00 | 0.357 | 1.571 | .9457E+01 | .9847E+00 | .9765E+00 | .2120E+02 | .2113E+02 | .1180E+02 | .2517E+01 | .6499E+01 | .2492E+00 | D07104.BIS |
| 12.00 | 0.381 | 1.643 | .8736E+01 | .7632E+00 | .9489E+00 | .2000E+02 | .2080E+02 | .1200E+02 | .2498E+01 | .6959E+01 | .6542E+00 | D07104.BIS |
| 13.00 | 0.404 | 1.714 | .8472E+01 | .6567E+00 | .8449E+00 | .1900E+02 | .1836E+02 | .1170E+02 | .1606E+01 | .6270E+01 | .1009E+01 | D07104.BIS |
| 14.00 | 0.428 | 1.785 | .7828E+01 | .6420E+00 | .6787E+00 | .1660E+02 | .1656E+02 | .1100E+02 | .2161E+01 | .6198E+01 | .4624E+00 | D07104.BIS |
| 15.00 | 0.452 | 1.857 | .7519E+01 | .5724E+00 | .6690E+00 | .1740E+02 | .1473E+02 | .1020E+02 | .7931E+00 | .5871E+01 | -.8838E-01 | D07104.BIS |
| 16.00 | 0.477 | 1.928 | .6895E+01 | .4719E+00 | .6355E+00 | .1390E+02 | .1385E+02 | .9119E+01 | .1538E+01 | .4789E+01 | .4554E+00 | D07104.BIS |
| 17.00 | 0.500 | 2.000 | .6432E+01 | .2897E+00 | .4752E+00 | .1520E+02 | .1153E+02 | .9180E+01 | .9008E+00 | .5780E+01 | -.3690E-01 | D07104.BIS |
| 18.00 | 0.523 | 2.071 | .5993E+01 | .4108E+00 | .4299E+00 | .1320E+02 | .1103E+02 | .7819E+01 | .8837E+00 | .4969E+01 | .1489E+00 | D07104.BIS |
| 19.00 | 0.548 | 2.142 | .6043E+01 | .4232E+00 | .5012E+00 | .1140E+02 | .1135E+02 | .7239E+01 | .5990E-01 | .4138E+01 | -.7936E-01 | D07104.BIS |
| 0.20 | 0.099 | 0.999 | .1307E+02 | .3831E+00 | .1258E+00 | .2550E+01 | .2034E+01 | .2657E+00 | .8379E-01 | .1479E+00 | -.7417E-01 | D07114.BIS |
| 1.00 | 0.119 | 1.071 | .7982E+01 | .1809E+00 | .8677E+00 | .2530E+02 | .7373E+02 | .1890E+02 | .3542E+01 | .1130E+02 | .4600E+01 | D07114.BIS |
| 2.00 | 0.143 | 1.161 | .7850E+01 | .1867E+00 | .7695E+00 | .2180E+02 | .3832E+02 | .1150E+02 | .5824E-02 | .6912E+01 | .1817E+01 | D07114.BIS |
| 3.00 | 0.167 | 1.250 | .6465E+01 | -.4826E-01 | .6328E+00 | .1500E+02 | .2130E+02 | .9080E+01 | .1466E+01 | .5340E+01 | -.1819E+00 | D07114.BIS |
| 4.00 | 0.191 | 1.339 | .5620E+01 | .2043E+00 | .5055E+00 | .1190E+02 | .1704E+02 | .7570E+01 | .1443E+01 | .4310E+01 | .4749E+00 | D07114.BIS |
| 5.00 | 0.214 | 1.429 | .4865E+01 | .5142E+00 | .2479E+00 | .1040E+02 | .1157E+02 | .7012E+01 | .3652E+00 | .3882E+01 | -.4361E+00 | D07114.BIS |
| 6.00 | 0.238 | 1.518 | .4234E+01 | .4259E+00 | .2430E+00 | .9600E+01 | .1093E+02 | .6530E+01 | .1214E+01 | .3459E+01 | -.6954E+00 | D07114.BIS |
| 7.00 | 0.262 | 1.607 | .4023E+01 | .5403E+00 | .1875E+00 | .1080E+02 | .1061E+02 | .6941E+01 | .1699E+01 | .3731E+01 | -.3764E-02 | D07114.BIS |
| 8.00 | 0.286 | 1.696 | .4145E+01 | .5568E+00 | .2154E+00 | .1020E+02 | .1038E+02 | .7689E+01 | .1498E+01 | .3959E+01 | -.6125E+00 | D07114.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 9.00 | 0.309 | 1.785 | .4245E+01 | .6333E+00 | .3282E+00 | .1060E+02 | .1058E+02 | .6957E+01 | .1079E+01 | .3598E+01 | -.2883E+00 | D07114.BIS |
| 10.00 | 0.333 | 1.875 | .4940E+01 | .9865E+00 | .4626E+00 | .1200E+02 | .1231E+02 | .7960E+01 | .1871E+01 | .4620E+01 | .7112E+00 | D07114.BIS |
| 11.00 | 0.357 | 1.964 | .4205E+01 | .2786E+00 | .3876E+00 | .9501E+01 | .1001E+02 | .6362E+01 | .2193E+01 | .3312E+01 | .4141E+00 | D07114.BIS |
| 12.00 | 0.381 | 2.053 | .4003E+01 | .3537E+00 | .3804E+00 | .9831E+01 | .9507E+01 | .6301E+01 | .2034E+01 | .3031E+01 | .3733E+00 | D07114.BIS |
| 13.00 | 0.404 | 2.142 | .4520E+01 | .7511E+00 | .3915E+00 | .9359E+01 | .9538E+01 | .6600E+01 | .1053E+01 | .3540E+01 | -.1584E+00 | D07114.BIS |
| 14.00 | 0.428 | 2.232 | .4215E+01 | .6077E+00 | .3569E+00 | .8910E+01 | .8769E+01 | .6270E+01 | .7154E+00 | .3010E+01 | -.2149E+00 | D07114.BIS |
| 15.00 | 0.452 | 2.321 | .3948E+01 | .7443E+00 | .1470E+00 | .8879E+01 | .8432E+01 | .5998E+01 | .2748E+00 | .3238E+01 | -.6355E-01 | D07114.BIS |
| 16.00 | 0.477 | 2.410 | .3995E+01 | .4929E+00 | .4302E+00 | .8620E+01 | .8504E+01 | .5670E+01 | .1041E+01 | .2850E+01 | .1588E+00 | D07114.BIS |
| 17.00 | 0.500 | 2.500 | .4056E+01 | .4710E+00 | .4175E+00 | .8799E+01 | .8443E+01 | .6060E+01 | .9944E+00 | .3300E+01 | .1424E+00 | D07114.BIS |
| 18.00 | 0.523 | 2.589 | .3779E+01 | .3641E+00 | .4289E+00 | .7650E+01 | .7814E+01 | .5570E+01 | .6335E+00 | .2830E+01 | -.2343E+00 | D07114.BIS |
| 19.00 | 0.548 | 2.678 | .3568E+01 | .5575E+00 | .2973E+00 | .8650E+01 | .7563E+01 | .5351E+01 | .8391E+00 | .3020E+01 | .3309E+00 | D07114.BIS |
| 0.20 | 0.200 | -0.200 | .3009E+02 | -.8098E+00 | -.2193E+00 | .1060E+00 | .3573E+00 | .4370E+00 | .6062E-01 | .6217E-01 | -.3406E-01 | D08054.BIS |
| 1.00 | 0.237 | -0.214 | .2999E+02 | -.9265E+00 | -.2183E+00 | .1380E+00 | .4390E+00 | .5230E+00 | -.1189E-01 | .3871E-01 | -.7497E-01 | D08054.BIS |
| 2.00 | 0.286 | -0.232 | .2974E+02 | -.9874E+00 | -.2157E+00 | .1080E+01 | .1205E+01 | .1100E+01 | .3067E+00 | -.7882E-01 | -.2228E+00 | D08054.BIS |
| 3.00 | 0.332 | -0.250 | .2755E+02 | -.1027E+01 | -.4426E-01 | .7580E+01 | .6355E+01 | .4010E+01 | .3218E+01 | -.2877E+00 | -.5617E+00 | D08054.BIS |
| 4.00 | 0.382 | -0.268 | .2460E+02 | -.8430E+00 | -.7842E-01 | .1220E+02 | .2299E+02 | .7701E+01 | .5708E+01 | -.6105E-01 | .2202E+01 | D08054.BIS |
| 5.00 | 0.428 | -0.286 | .2254E+02 | -.4724E+00 | -.2353E+00 | .1490E+02 | .2796E+02 | .1000E+02 | .6564E+01 | .5906E+00 | .1342E+01 | D08054.BIS |
| 6.00 | 0.477 | -0.304 | .2088E+02 | -.3299E+00 | -.3891E+00 | .1490E+02 | .2789E+02 | .1160E+02 | .6955E+01 | .5167E+00 | .8058E+00 | D08054.BIS |
| 7.00 | 0.523 | -0.322 | .1917E+02 | -.3782E+00 | -.5852E+00 | .1660E+02 | .2434E+02 | .1230E+02 | .6349E+01 | .8967E+00 | .1979E+01 | D08054.BIS |
| 8.00 | 0.572 | -0.339 | .1814E+02 | -.1579E+00 | -.5818E+00 | .1850E+02 | .2355E+02 | .1280E+02 | .6324E+01 | .1673E+01 | .6313E+00 | D08054.BIS |
| 9.00 | 0.618 | -0.357 | .1647E+02 | -.5025E-01 | -.7142E+00 | .2160E+02 | .2283E+02 | .1350E+02 | .7698E+01 | .1708E+01 | .8245E+00 | D08054.BIS |
| 10.00 | 0.667 | -0.375 | .1569E+02 | .1051E-01 | -.8556E+00 | .2290E+02 | .2034E+02 | .1340E+02 | .7648E+01 | .1529E+01 | .2173E+00 | D08054.BIS |
| 11.00 | 0.714 | -0.393 | .1519E+02 | .1892E+00 | -.5803E+00 | .2310E+02 | .2160E+02 | .1380E+02 | .7856E+01 | .6460E+00 | .5965E+00 | D08054.BIS |
| 12.00 | 0.762 | -0.411 | .1455E+02 | .2443E+00 | -.4886E+00 | .2190E+02 | .1927E+02 | .1330E+02 | .7465E+01 | .2946E-02 | .1838E+00 | D08054.BIS |
| 13.00 | 0.809 | -0.429 | .1371E+02 | .5465E+00 | -.5241E+00 | .2390E+02 | .1947E+02 | .1300E+02 | .8184E+01 | .1947E+00 | .1973E+00 | D08054.BIS |
| 14.00 | 0.857 | -0.447 | .1337E+02 | .3928E+00 | -.4709E+00 | .2170E+02 | .1927E+02 | .1300E+02 | .6956E+01 | .8197E-01 | .6329E-01 | D08054.BIS |
| 15.00 | 0.905 | -0.465 | .1248E+02 | .2126E+00 | -.3930E+00 | .2200E+02 | .1709E+02 | .1210E+02 | .6427E+01 | -.2703E+00 | -.1170E+00 | D08054.BIS |
| 16.00 | 0.952 | -0.482 | .1219E+02 | .2373E+00 | -.5955E+00 | .1910E+02 | .1695E+02 | .1180E+02 | .5302E+01 | -.4740E+00 | -.4644E+00 | D08054.BIS |
| 17.00 | 1.000 | -0.500 | .1154E+02 | .9442E-01 | -.1865E+00 | .1940E+02 | .1560E+02 | .1100E+02 | .6265E+01 | -.3601E+00 | .2214E-01 | D08054.BIS |
| 18.00 | 1.047 | -0.518 | .1097E+02 | .1917E+00 | -.2234E+00 | .1600E+02 | .1404E+02 | .9992E+01 | .4707E+01 | -.1171E+01 | -.5544E+00 | D08054.BIS |
| 19.00 | 1.095 | -0.536 | .1105E+02 | .2512E+00 | -.3621E+00 | .1641E+02 | .1265E+02 | .9004E+01 | .4283E+01 | -.9802E+00 | -.1821E+00 | D08054.BIS |
| 0.20 | 0.199 | -0.001 | .3014E+02 | -.4738E-01 | -.1558E+00 | .5850E-01 | .7820E-01 | .6180E-01 | .5722E-02 | .6890E-02 | -.7105E-02 | D08064.BIS |
| 1.00 | 0.237 | -0.001 | .3000E+02 | -.1035E+00 | -.6200E-01 | .2070E+00 | .1860E+00 | .7830E-01 | .9967E-03 | .4148E-02 | -.9690E-02 | D08064.BIS |
| 2.00 | 0.286 | -0.001 | .2936E+02 | -.8261E-01 | -.5545E-01 | .2040E+01 | .1595E+01 | .8204E+00 | .6468E+00 | -.9350E-02 | -.4380E-01 | D08064.BIS |
| 3.00 | 0.333 | -0.001 | .2765E+02 | -.1830E+00 | .4005E-01 | .6160E+01 | .5203E+01 | .3320E+01 | .2839E+01 | -.2643E+00 | .4476E+00 | D08064.BIS |
| 4.00 | 0.381 | -0.001 | .2578E+02 | .9069E-01 | .3055E-01 | .1030E+02 | .8801E+01 | .5460E+01 | .3909E+01 | -.4051E-01 | -.3700E+00 | D08064.BIS |
| 5.00 | 0.428 | -0.002 | .2451E+02 | .3141E+00 | .1493E-01 | .1210E+02 | .2279E+02 | .7330E+01 | .6399E+01 | -.1663E+00 | .1118E+01 | D08064.BIS |
| 6.00 | 0.477 | -0.002 | .2339E+02 | .5990E+00 | -.9295E-02 | .1440E+02 | .2393E+02 | .9313E+01 | .6165E+01 | -.2266E+00 | .1558E+01 | D08064.BIS |
| 7.00 | 0.523 | -0.002 | .2189E+02 | .7637E+00 | -.2968E-01 | .1730E+02 | .2327E+02 | .9880E+01 | .6797E+01 | -.3452E+00 | .1087E+01 | D08064.BIS |
| 8.00 | 0.572 | -0.002 | .2079E+02 | .8585E+00 | -.9670E-01 | .1950E+02 | .2489E+02 | .1210E+02 | .7196E+01 | .2452E+00 | .1037E+01 | D08064.BIS |
| 9.00 | 0.618 | 0.000 | .1967E+02 | .7917E+00 | -.2062E+00 | .2180E+02 | .2441E+02 | .1310E+02 | .7724E+01 | .1377E+01 | .1044E+01 | D08064.BIS |
| 10.00 | 0.667 | 0.000 | .1849E+02 | .7808E+00 | -.4147E+00 | .2320E+02 | .2343E+02 | .1390E+02 | .8557E+01 | .1526E+01 | .7645E+00 | D08064.BIS |
| 11.00 | 0.714 | 0.000 | .1742E+02 | .8610E+00 | -.5319E+00 | .2670E+02 | .2339E+02 | .1420E+02 | .9437E+01 | .2149E+01 | .1129E+01 | D08064.BIS |
| 12.00 | 0.762 | -0.001 | .1718E+02 | .7326E+00 | -.4938E+00 | .2410E+02 | .2412E+02 | .1350E+02 | .8475E+01 | .2628E+01 | .1535E+01 | D08064.BIS |
| 13.00 | 0.809 | -0.001 | .1594E+02 | .7673E+00 | -.4529E+00 | .2510E+02 | .2257E+02 | .1380E+02 | .8494E+01 | .2806E+01 | .6865E+00 | D08064.BIS |
| 14.00 | 0.857 | -0.001 | .1500E+02 | .8700E+00 | -.5429E+00 | .2550E+02 | .2110E+02 | .1370E+02 | .8113E+01 | .3081E+01 | .7868E+00 | D08064.BIS |
| 15.00 | 0.905 | -0.001 | .1409E+02 | .7862E+00 | -.7086E+00 | .2500E+02 | .1886E+02 | .1330E+02 | .7737E+01 | .3007E+01 | .5114E+00 | D08064.BIS |
| 16.00 | 0.952 | -0.001 | .1391E+02 | .8256E+00 | -.5240E+00 | .2280E+02 | .1819E+02 | .1230E+02 | .7387E+01 | .2279E+01 | .4559E-01 | D08064.BIS |
| 17.00 | 1.000 | -0.001 | .1352E+02 | .7839E+00 | -.3040E+00 | .2130E+02 | .1759E+02 | .1191E+02 | .6024E+01 | .1890E+01 | .8249E+00 | D08064.BIS |
| 18.00 | 1.047 | -0.001 | .1314E+02 | .7521E+00 | -.4622E+00 | .1910E+02 | .1603E+02 | .1120E+02 | .6488E+01 | .1060E+01 | -.1611E+00 | D08064.BIS |
| 19.00 | 1.095 | -0.002 | .1211E+02 | .7313E+00 | -.2769E+00 | .1910E+02 | .1436E+02 | .1120E+02 | .5381E+01 | .1460E+01 | -.4257E-01 | D08064.BIS |
| 0.20 | 0.200 | 0.200 | .3013E+02 | -.3162E+00 | -.5397E+00 | .6190E-01 | .8598E-01 | .6390E-01 | .3347E-01 | .2160E-01 | .1969E-01 | D08074.BIS |
| 1.00 | 0.237 | 0.213 | .3001E+02 | -.5874E+00 | -.5029E+00 | .2500E+00 | .2017E+00 | .1600E+00 | .5567E-01 | -.1261E-01 | .9406E-02 | D08074.BIS |
| 2.00 | 0.286 | 0.232 | .2966E+02 | -.7296E+00 | -.3145E+00 | .1800E+01 | .1360E+01 | .8528E+00 | .4391E+00 | -.1431E+00 | -.1057E+00 | D08074.BIS |
| 3.00 | 0.333 | 0.250 | .2729E+02 | -.6146E+00 | .2236E-01 | .7950E+01 | .6316E+01 | .3680E+01 | .2506E+01 | -.2673E+00 | -.4134E+00 | D08074.BIS |
| 4.00 | 0.381 | 0.268 | .2536E+02 | -.3312E+00 | .1840E+00 | .1110E+02 | .9130E+01 | .6080E+01 | .3681E+01 | -.3339E+00 | -.2448E+00 | D08074.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 5.00 | 0.428 | 0.286 | .2387E+02 | -.4702E-01 | .1494E+00 | .1350E+02 | .2423E+02 | .8342E+01 | .5987E+01 | .3679E+00 | .1946E+01 | D08074.BIS |
| 6.00 | 0.477 | 0.303 | .2248E+02 | .3584E+00 | .3057E+00 | .1590E+02 | .2583E+02 | .1040E+02 | .6759E+01 | .1744E+00 | .9073E+00 | D08074.BIS |
| 7.00 | 0.523 | 0.321 | .2116E+02 | .2774E+00 | .2408E+00 | .1800E+02 | .2523E+02 | .1130E+02 | .7420E+01 | .1258E+01 | .4017E+00 | D08074.BIS |
| 8.00 | 0.572 | 0.339 | .2000E+02 | .5396E+00 | .8907E-01 | .1960E+02 | .2349E+02 | .1330E+02 | .6958E+01 | .2292E+01 | -.1981E+00 | D08074.BIS |
| 9.00 | 0.618 | 0.357 | .1873E+02 | .5359E+00 | .5923E-01 | .2230E+02 | .2417E+02 | .1410E+02 | .8099E+01 | .2923E+01 | .4534E+00 | D08074.BIS |
| 10.00 | 0.667 | 0.375 | .1816E+02 | .7033E+00 | .1646E+00 | .2430E+02 | .2291E+02 | .1410E+02 | .8248E+01 | .1902E+01 | .2056E-01 | D08074.BIS |
| 11.00 | 0.714 | 0.393 | .1652E+02 | .8073E+00 | .4611E-01 | .2540E+02 | .2377E+02 | .1450E+02 | .8406E+01 | .3791E+01 | -.5172E+00 | D08074.BIS |
| 12.00 | 0.762 | 0.410 | .1554E+02 | .7340E+00 | -.2427E+00 | .2570E+02 | .2204E+02 | .1470E+02 | .6448E+01 | .4950E+01 | .4238E+00 | D08074.BIS |
| 13.00 | 0.809 | 0.429 | .1532E+02 | .6838E+00 | -.6975E-01 | .2430E+02 | .2230E+02 | .1360E+02 | .7420E+01 | .3228E+01 | -.1818E+00 | D08074.BIS |
| 14.00 | 0.857 | 0.446 | .1422E+02 | .7455E+00 | -.5864E-01 | .2490E+02 | .2051E+02 | .1420E+02 | .6788E+01 | .3728E+01 | -.2033E+00 | D08074.BIS |
| 15.00 | 0.905 | 0.464 | .1410E+02 | .8639E+00 | -.3180E-01 | .2280E+02 | .2010E+02 | .1380E+02 | .6874E+01 | .3280E+01 | -.1610E+00 | D08074.BIS |
| 16.00 | 0.952 | 0.482 | .1327E+02 | .6849E+00 | -.1844E-01 | .2180E+02 | .1699E+02 | .1320E+02 | .6266E+01 | .3059E+01 | -.8080E+00 | D08074.BIS |
| 17.00 | 1.000 | 0.500 | .1247E+02 | .7140E+00 | .3658E-01 | .2400E+02 | .1718E+02 | .1250E+02 | .7221E+01 | .3520E+01 | .3556E-01 | D08074.BIS |
| 18.00 | 1.047 | 0.518 | .1220E+02 | .6679E+00 | .4785E-01 | .2020E+02 | .1495E+02 | .1130E+02 | .5217E+01 | .2761E+01 | -.6670E+00 | D08074.BIS |
| 19.00 | 1.095 | 0.535 | .1184E+02 | .7393E+00 | -.5516E-01 | .1920E+02 | .1539E+02 | .9950E+01 | .5041E+01 | .1922E+01 | -.8415E+00 | D08074.BIS |
| 0.20 | 0.200 | 0.400 | .3022E+02 | -.5871E+00 | -.1851E+00 | .8230E-01 | .1556E+00 | .8800E-01 | -.2696E-01 | -.9740E-02 | -.3830E-01 | D08084.BIS |
| 1.00 | 0.237 | 0.428 | .3007E+02 | -.6297E+00 | -.1408E+00 | .2210E+00 | .2274E+00 | .9029E-01 | -.1991E-01 | .5128E-02 | -.2041E-01 | D08084.BIS |
| 2.00 | 0.286 | 0.464 | .2962E+02 | -.6313E+00 | -.1505E+00 | .1780E+01 | .1312E+01 | .6800E+00 | .2808E+00 | -.6815E-01 | -.1223E-01 | D08084.BIS |
| 3.00 | 0.332 | 0.500 | .2748E+02 | -.6575E+00 | -.1289E+00 | .7390E+01 | .6493E+01 | .3960E+01 | .2685E+01 | .4049E+00 | .4237E+00 | D08084.BIS |
| 4.00 | 0.382 | 0.535 | .2465E+02 | -.3155E+00 | -.7117E-03 | .1450E+02 | .2636E+02 | .8618E+01 | .6730E+01 | .1021E+01 | .1798E+01 | D08084.BIS |
| 5.00 | 0.428 | 0.571 | .2195E+02 | .1410E+00 | -.7290E-01 | .1950E+02 | .2794E+02 | .1130E+02 | .7640E+01 | .2083E+01 | .3329E+00 | D08084.BIS |
| 6.00 | 0.477 | 0.607 | .1905E+02 | .3922E+00 | -.3639E-01 | .2390E+02 | .2986E+02 | .1510E+02 | .7101E+01 | .3987E+01 | -.6501E+00 | D08084.BIS |
| 7.00 | 0.523 | 0.643 | .1771E+02 | .6421E+00 | .1620E+00 | .2440E+02 | .3261E+02 | .1510E+02 | .7610E+01 | .4347E+01 | -.3166E+00 | D08084.BIS |
| 8.00 | 0.572 | 0.678 | .1590E+02 | .6369E+00 | .2230E+00 | .2650E+02 | .2864E+02 | .1630E+02 | .7948E+01 | .5263E+01 | -.2021E+01 | D08084.BIS |
| 9.00 | 0.618 | 0.714 | .1543E+02 | .5288E+00 | .2846E+00 | .2580E+02 | .2551E+02 | .1510E+02 | .7700E+01 | .4228E+01 | -.1192E+01 | D08084.BIS |
| 10.00 | 0.667 | 0.750 | .1384E+02 | .6707E+00 | -.1351E+00 | .2810E+02 | .2675E+02 | .1610E+02 | .8751E+01 | .5930E+01 | -.1717E+01 | D08084.BIS |
| 11.00 | 0.714 | 0.786 | .1265E+02 | .7564E+00 | -.2034E+00 | .2790E+02 | .2166E+02 | .1560E+02 | .6435E+01 | .6222E+01 | -.1554E+01 | D08084.BIS |
| 12.00 | 0.762 | 0.821 | .1228E+02 | .7248E+00 | -.1855E+00 | .2620E+02 | .2232E+02 | .1630E+02 | .7215E+01 | .6151E+01 | -.1471E+01 | D08084.BIS |
| 13.00 | 0.809 | 0.857 | .1111E+02 | .7209E+00 | -.2113E+00 | .2740E+02 | .2140E+02 | .1480E+02 | .7526E+01 | .5279E+01 | -.1612E+01 | D08084.BIS |
| 14.00 | 0.857 | 0.893 | .1188E+02 | .8415E+00 | -.1812E+00 | .2410E+02 | .2202E+02 | .1390E+02 | .6996E+01 | .4543E+01 | -.1066E+01 | D08084.BIS |
| 15.00 | 0.905 | 0.928 | .1113E+02 | .8123E+00 | .2713E+00 | .2330E+02 | .2080E+02 | .1260E+02 | .6615E+01 | .4218E+01 | -.3535E+00 | D08084.BIS |
| 16.00 | 0.952 | 0.964 | .1013E+02 | .7021E+00 | .1975E+00 | .2160E+02 | .1764E+02 | .1230E+02 | .5472E+01 | .4967E+01 | -.5195E+00 | D08084.BIS |
| 17.00 | 1.000 | 1.000 | .9287E+01 | .5543E+00 | .1292E+00 | .2020E+02 | .1613E+02 | .1080E+02 | .5383E+01 | .3726E+01 | -.7590E+00 | D08084.BIS |
| 18.00 | 1.047 | 1.036 | .9428E+01 | .7089E+00 | .1491E+00 | .1890E+02 | .1453E+02 | .1110E+02 | .4367E+01 | .4372E+01 | -.9403E+00 | D08084.BIS |
| 19.00 | 1.095 | 1.071 | .8416E+01 | .4995E+00 | .1615E+00 | .1620E+02 | .1328E+02 | .9612E+01 | .3639E+01 | .3762E+01 | -.4627E+00 | D08084.BIS |
| 0.20 | 0.201 | 0.600 | .3018E+02 | -.4849E+00 | -.5543E+00 | .1490E+00 | .1539E+00 | .1960E+00 | .6562E-01 | -.1918E-01 | .5737E-01 | D08094.BIS |
| 1.00 | 0.237 | 0.642 | .3002E+02 | -.4528E+00 | -.4674E+00 | .4530E+00 | .2327E+00 | .4210E+00 | .1221E+00 | -.2490E+00 | -.8959E-01 | D08094.BIS |
| 2.00 | 0.286 | 0.697 | .2980E+02 | -.3993E+00 | -.2519E+00 | .1890E+01 | .1191E+01 | .9810E+00 | .2514E+00 | -.2898E+00 | .9097E-01 | D08094.BIS |
| 3.00 | 0.332 | 0.750 | .2695E+02 | -.7528E+00 | .1964E+00 | .9160E+01 | .2000E+02 | .5330E+01 | .4231E+01 | .1380E+01 | .1782E+01 | D08094.BIS |
| 4.00 | 0.382 | 0.803 | .2131E+02 | -.1060E+00 | .2749E+00 | .2030E+02 | .3458E+02 | .1180E+02 | .7537E+01 | .4830E+01 | .1248E+01 | D08094.BIS |
| 5.00 | 0.428 | 0.857 | .1725E+02 | .3751E+00 | .3800E+00 | .2420E+02 | .3387E+02 | .1370E+02 | .6468E+01 | .5580E+01 | -.9178E+00 | D08094.BIS |
| 6.00 | 0.477 | 0.910 | .1512E+02 | .4095E+00 | .2877E+00 | .2470E+02 | .2784E+02 | .1300E+02 | .5459E+01 | .6228E+01 | -.1393E+01 | D08094.BIS |
| 7.00 | 0.523 | 0.964 | .1332E+02 | .4081E+00 | .4183E+00 | .2340E+02 | .2507E+02 | .1380E+02 | .4910E+01 | .6209E+01 | -.2551E+01 | D08094.BIS |
| 8.00 | 0.572 | 1.018 | .1062E+02 | .4164E+00 | .2238E+00 | .2680E+02 | .2274E+02 | .1450E+02 | .5005E+01 | .7312E+01 | -.2035E+01 | D08094.BIS |
| 9.00 | 0.618 | 1.071 | .1011E+02 | .3967E+00 | .3086E+00 | .2230E+02 | .2033E+02 | .1350E+02 | .3736E+01 | .5807E+01 | -.2274E+01 | D08094.BIS |
| 10.00 | 0.667 | 1.125 | .9300E+01 | .4308E+00 | .1376E+00 | .2400E+02 | .1985E+02 | .1380E+02 | .5228E+01 | .6914E+01 | -.1532E+01 | D08094.BIS |
| 11.00 | 0.714 | 1.178 | .8930E+01 | .5229E+00 | .1883E+00 | .2050E+02 | .2197E+02 | .1150E+02 | .6164E+01 | .5400E+01 | -.1267E+01 | D08094.BIS |
| 12.00 | 0.762 | 1.232 | .8147E+01 | .5024E+00 | -.3483E-01 | .1910E+02 | .1685E+02 | .1190E+02 | .4059E+01 | .5028E+01 | -.1191E+01 | D08094.BIS |
| 13.00 | 0.809 | 1.285 | .8315E+01 | .7877E+00 | .9785E-01 | .1940E+02 | .1661E+02 | .1120E+02 | .4450E+01 | .5287E+01 | -.1094E+01 | D08094.BIS |
| 14.00 | 0.857 | 1.339 | .8532E+01 | .7931E+00 | .2002E+00 | .2020E+02 | .1779E+02 | .1080E+02 | .4609E+01 | .4516E+01 | -.7603E+00 | D08094.BIS |
| 15.00 | 0.905 | 1.393 | .7657E+01 | .7975E+00 | .5046E-01 | .1720E+02 | .1500E+02 | .1040E+02 | .3316E+01 | .4358E+01 | -.8361E+00 | D08094.BIS |
| 16.00 | 0.952 | 1.446 | .7314E+01 | .6853E+00 | .7883E-01 | .1540E+02 | .1378E+02 | .9311E+01 | .3593E+01 | .4412E+01 | -.1017E+01 | D08094.BIS |
| 17.00 | 1.000 | 1.500 | .7260E+01 | .6143E+00 | .9359E-01 | .1470E+02 | .1296E+02 | .9231E+01 | .3126E+01 | .3691E+01 | -.6110E+00 | D08094.BIS |
| 18.00 | 1.047 | 1.553 | .7120E+01 | .6438E+00 | .2322E+00 | .1420E+02 | .1246E+02 | .8481E+01 | .2307E+01 | .3712E+01 | -.9795E+00 | D08094.BIS |
| 19.00 | 1.095 | 1.607 | .6833E+01 | .6176E+00 | .8796E-01 | .1310E+02 | .1159E+02 | .7812E+01 | .2871E+01 | .3682E+01 | -.5061E+00 | D08094.BIS |
| 0.20 | 0.202 | 0.800 | .2964E+02 | .3141E+01 | -.3336E+01 | .2570E+00 | .1022E+01 | .9370E+00 | -.6224E+00 | .5480E-01 | .4475E-01 | D08104.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | 0.237 | 0.857 | .2900E+02 | -.8127E+00 | -.8695E+00 | .2970E+01 | .2493E+01 | .2850E+01 | -.1036E+01 | -.2488E+00 | .8615E+00 | D08104.BIS |
| 2.00 | 0.286 | 0.928 | .2208E+02 | -.7058E+00 | -.1382E+00 | .1640E+02 | .2103E+02 | .8001E+01 | -.1496E+01 | .4051E+01 | -.1140E+01 | D08104.BIS |
| 3.00 | 0.333 | 1.000 | .1523E+02 | .7832E+00 | -.1186E+00 | .2490E+02 | .4621E+02 | .1110E+02 | .3051E+01 | .6427E+01 | .2380E+00 | D08104.BIS |
| 4.00 | 0.381 | 1.071 | .1106E+02 | .9148E+00 | -.4798E-01 | .2490E+02 | .2851E+02 | .1230E+02 | .3847E+01 | .6929E+01 | -.7640E+00 | D08104.BIS |
| 5.00 | 0.428 | 1.143 | .8567E+01 | .9155E+00 | -.2808E+00 | .2220E+02 | .2434E+02 | .1140E+02 | .3121E+01 | .6347E+01 | -.9584E+00 | D08104.BIS |
| 6.00 | 0.477 | 1.214 | .7308E+01 | .8037E+00 | -.1501E+00 | .2050E+02 | .1997E+02 | .1090E+02 | .4260E+01 | .5449E+01 | -.6438E+00 | D08104.BIS |
| 7.00 | 0.523 | 1.285 | .6621E+01 | .5733E+00 | -.8196E-01 | .1830E+02 | .1775E+02 | .1010E+02 | .4492E+01 | .4342E+01 | -.1039E+01 | D08104.BIS |
| 8.00 | 0.572 | 1.357 | .6710E+01 | .8502E+00 | -.2598E-01 | .1750E+02 | .1750E+02 | .1010E+02 | .4353E+01 | .4739E+01 | -.1406E+00 | D08104.BIS |
| 9.00 | 0.618 | 1.428 | .6866E+01 | .9194E+00 | .9403E-01 | .1770E+02 | .1821E+02 | .1060E+02 | .5835E+01 | .4321E+01 | -.4047E+00 | D08104.BIS |
| 10.00 | 0.667 | 1.500 | .6364E+01 | .7628E+00 | .1418E+00 | .1630E+02 | .1716E+02 | .1030E+02 | .4943E+01 | .3979E+01 | -.1500E+00 | D08104.BIS |
| 11.00 | 0.714 | 1.571 | .6352E+01 | .9386E+00 | .1220E+00 | .1560E+02 | .1579E+02 | .1020E+02 | .3844E+01 | .4199E+01 | -.5491E+00 | D08104.BIS |
| 12.00 | 0.762 | 1.643 | .6127E+01 | .7820E+00 | .9582E-01 | .1630E+02 | .1380E+02 | .1010E+02 | .3907E+01 | .4178E+01 | .3386E+00 | D08104.BIS |
| 13.00 | 0.809 | 1.714 | .6344E+01 | .8458E+00 | .3204E+00 | .1490E+02 | .1443E+02 | .9903E+01 | .3730E+01 | .4922E+01 | .4384E+00 | D08104.BIS |
| 14.00 | 0.857 | 1.785 | .6051E+01 | .7951E+00 | .3163E+00 | .1370E+02 | .1381E+02 | .8661E+01 | .3420E+01 | .4132E+01 | -.9986E-01 | D08104.BIS |
| 15.00 | 0.905 | 1.857 | .6070E+01 | .7280E+00 | .3090E+00 | .1350E+02 | .1311E+02 | .8832E+01 | .2867E+01 | .4382E+01 | .2275E+00 | D08104.BIS |
| 16.00 | 0.952 | 1.928 | .6024E+01 | .6796E+00 | .4403E+00 | .1220E+02 | .1217E+02 | .7600E+01 | .2746E+01 | .3430E+01 | -.1746E+00 | D08104.BIS |
| 17.00 | 1.000 | 2.000 | .5777E+01 | .6775E+00 | .4499E+00 | .1090E+02 | .1209E+02 | .7068E+01 | .2731E+01 | .2959E+01 | .1896E+00 | D08104.BIS |
| 18.00 | 1.047 | 2.071 | .5740E+01 | .7036E+00 | .5107E+00 | .1100E+02 | .1186E+02 | .6959E+01 | .2564E+01 | .3259E+01 | .3099E+00 | D08104.BIS |
| 19.00 | 1.095 | 2.142 | .5408E+01 | .6363E+00 | .4401E+00 | .1040E+02 | .1012E+02 | .6629E+01 | .1982E+01 | .3629E+01 | .2178E-01 | D08104.BIS |
| 0.20 | 0.200 | 1.000 | .1142E+02 | .5873E+00 | .1659E+00 | .2050E+01 | .1618E+01 | .3061E+00 | .2547E+00 | .1599E+00 | -.3893E-01 | D08114.BIS |
| 1.00 | 0.237 | 1.071 | .1024E+02 | -.1813E+00 | .2009E+01 | .2889E+02 | .7100E+02 | .1920E+02 | .5387E+01 | .1190E+02 | .2939E+01 | D08114.BIS |
| 2.00 | 0.286 | 1.161 | .7306E+01 | .4230E+00 | .7736E+00 | .2220E+02 | .3611E+02 | .1240E+02 | .5687E+01 | .7491E+01 | .1525E+01 | D08114.BIS |
| 3.00 | 0.332 | 1.250 | .5319E+01 | .5073E+00 | .1218E+00 | .1470E+02 | .1707E+02 | .9481E+01 | .2751E+01 | .5631E+01 | -.8493E-01 | D08114.BIS |
| 4.00 | 0.381 | 1.339 | .4065E+01 | .4009E+00 | .9821E-01 | .1060E+02 | .1326E+02 | .6882E+01 | .2067E+01 | .3652E+01 | -.2648E+00 | D08114.BIS |
| 5.00 | 0.428 | 1.429 | .3381E+01 | .3155E+00 | -.2286E-01 | .9260E+01 | .9134E+01 | .5939E+01 | .1739E+01 | .2820E+01 | -.2680E+00 | D08114.BIS |
| 6.00 | 0.477 | 1.518 | .3288E+01 | .4631E+00 | -.4821E-01 | .8558E+01 | .7763E+01 | .5948E+01 | .1181E+01 | .3008E+01 | -.1898E+00 | D08114.BIS |
| 7.00 | 0.523 | 1.607 | .3164E+01 | .6086E+00 | -.5621E-01 | .8339E+01 | .8700E+01 | .5020E+01 | .2060E+01 | .2360E+01 | .7753E-01 | D08114.BIS |
| 8.00 | 0.572 | 1.696 | .3137E+01 | .2015E+00 | .2235E+00 | .8320E+01 | .7314E+01 | .5460E+01 | .2189E+01 | .2300E+01 | -.1408E+00 | D08114.BIS |
| 9.00 | 0.618 | 1.785 | .3417E+01 | .5550E+00 | .1659E+00 | .9102E+01 | .9840E+01 | .5692E+01 | .2777E+01 | .2942E+01 | .5281E+00 | D08114.BIS |
| 10.00 | 0.667 | 1.875 | .3490E+01 | .1011E+01 | .1320E+00 | .9091E+01 | .8214E+01 | .5830E+01 | .2172E+01 | .2890E+01 | .8271E-01 | D08114.BIS |
| 11.00 | 0.714 | 1.964 | .2907E+01 | .3029E+00 | .2038E+00 | .7620E+01 | .8038E+01 | .5230E+01 | .1998E+01 | .1980E+01 | .2142E+00 | D08114.BIS |
| 12.00 | 0.762 | 2.053 | .3548E+01 | .7938E+00 | -.3208E-02 | .8400E+01 | .8824E+01 | .5510E+01 | .2090E+01 | .2650E+01 | -.1603E-01 | D08114.BIS |
| 13.00 | 0.809 | 2.142 | .3227E+01 | .5469E+00 | .8465E-01 | .7861E+01 | .7867E+01 | .5300E+01 | .1942E+01 | .2240E+01 | -.7380E-01 | D08114.BIS |
| 14.00 | 0.857 | 2.232 | .3167E+01 | .6792E+00 | .5326E-01 | .8767E+01 | .7690E+01 | .5788E+01 | .1419E+01 | .2728E+01 | .1791E+00 | D08114.BIS |
| 15.00 | 0.905 | 2.321 | .3409E+01 | .6688E+00 | .1198E+00 | .8290E+01 | .7144E+01 | .5530E+01 | .1421E+01 | .2640E+01 | .1022E+00 | D08114.BIS |
| 16.00 | 0.952 | 2.410 | .3368E+01 | .7108E+00 | .7113E-01 | .8290E+01 | .7104E+01 | .5721E+01 | .1291E+01 | .2770E+01 | -.6054E-02 | D08114.BIS |
| 17.00 | 1.000 | 2.500 | .3015E+01 | .2729E+00 | .1700E+00 | .6960E+01 | .7125E+01 | .4960E+01 | .1220E+01 | .2290E+01 | .2521E-01 | D08114.BIS |
| 18.00 | 1.047 | 2.589 | .3010E+01 | .4550E+00 | .1693E+00 | .7070E+01 | .6413E+01 | .4740E+01 | .1691E+01 | .2150E+01 | .2868E+00 | D08114.BIS |
| 19.00 | 1.095 | 2.678 | .3146E+01 | .3047E+00 | .1224E+00 | .6180E+01 | .6179E+01 | .4350E+01 | .1222E+01 | .1830E+01 | .1878E+00 | D08114.BIS |
| 0.20 | 0.301 | -0.200 | .3011E+02 | -.1065E+01 | -.2338E+00 | .7079E-01 | .4913E+00 | .5200E+00 | -.4122E-01 | .3180E-01 | -.1529E+00 | D09054.BIS |
| 1.00 | 0.356 | -0.214 | .2991E+02 | -.1034E+01 | -.3526E+00 | .7120E+00 | .1085E+01 | .8610E+00 | -.6156E-02 | -.8721E-01 | -.3062E+00 | D09054.BIS |
| 2.00 | 0.428 | -0.232 | .2575E+02 | -.4884E+00 | -.6869E-01 | .1130E+02 | .9430E+01 | .6940E+01 | .4209E+01 | -.6928E+00 | -.5239E+00 | D09054.BIS |
| 3.00 | 0.500 | -0.250 | .2222E+02 | .4469E+00 | -.1254E+00 | .1710E+02 | .1504E+02 | .1130E+02 | .4679E+01 | -.3938E+00 | -.2884E+00 | D09054.BIS |
| 4.00 | 0.572 | -0.268 | .1967E+02 | .5460E+00 | -.5689E+00 | .2040E+02 | .3557E+02 | .1420E+02 | .8576E+01 | .7324E+00 | .1683E+01 | D09054.BIS |
| 5.00 | 0.642 | -0.286 | .1689E+02 | .5000E+00 | -.4980E+00 | .2130E+02 | .2898E+02 | .1480E+02 | .7865E+01 | .1440E+01 | .9845E+00 | D09054.BIS |
| 6.00 | 0.714 | -0.304 | .1470E+02 | .3992E+00 | -.6252E+00 | .2260E+02 | .2267E+02 | .1540E+02 | .7281E+01 | .2308E+01 | .1441E+01 | D09054.BIS |
| 7.00 | 0.786 | -0.322 | .1306E+02 | .1084E+00 | -.7259E+00 | .2130E+02 | .2102E+02 | .1510E+02 | .7347E+01 | .2003E+01 | .6984E+00 | D09054.BIS |
| 8.00 | 0.857 | -0.339 | .1165E+02 | -.9841E-01 | -.6633E+00 | .2250E+02 | .1871E+02 | .1450E+02 | .7662E+01 | .8943E+00 | .8996E+00 | D09054.BIS |
| 9.00 | 0.928 | -0.357 | .1057E+02 | .2073E-01 | -.5884E+00 | .2150E+02 | .1709E+02 | .1420E+02 | .7326E+01 | .8513E+00 | .8358E+00 | D09054.BIS |
| 10.00 | 1.000 | -0.375 | .1016E+02 | .9243E-01 | -.6837E+00 | .2000E+02 | .1587E+02 | .1340E+02 | .6543E+01 | .1182E+00 | -.1861E+00 | D09054.BIS |
| 11.00 | 1.071 | -0.393 | .9224E+01 | .7052E-01 | -.8342E+00 | .2020E+02 | .1622E+02 | .1320E+02 | .6983E+01 | -.6010E+00 | -.6334E+00 | D09054.BIS |
| 12.00 | 1.142 | -0.411 | .8789E+01 | .1456E+00 | -.7452E+00 | .1950E+02 | .1608E+02 | .1250E+02 | .7389E+01 | -.8461E+00 | -.8784E+00 | D09054.BIS |
| 13.00 | 1.214 | -0.429 | .8266E+01 | .2214E+00 | -.5679E+00 | .1870E+02 | .1396E+02 | .1170E+02 | .6814E+01 | -.1001E+01 | -.5688E+00 | D09054.BIS |
| 14.00 | 1.286 | -0.447 | .8274E+01 | .1709E+00 | -.3340E+00 | .1630E+02 | .1509E+02 | .1140E+02 | .6666E+01 | -.7462E-01 | .1347E+00 | D09054.BIS |
| 15.00 | 1.357 | -0.465 | .8088E+01 | .1439E+00 | -.4303E+00 | .1600E+02 | .1454E+02 | .9998E+01 | .6432E+01 | -.8509E+00 | -.4748E+00 | D09054.BIS |
| 16.00 | 1.428 | -0.482 | .7757E+01 | .1354E+00 | -.3899E+00 | .1450E+02 | .1176E+02 | .9352E+01 | .5358E+01 | .1929E+00 | -.1546E+00 | D09054.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{UU} | \overline{VV} | \overline{WW} | \overline{UV} | \overline{UV} | \overline{VW} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 1.500 | -0.500 | .7281E+01 | .1993E+00 | -.2621E+00 | .1360E+02 | .1031E+02 | .9060E+01 | .5094E+01 | -.4411E+00 | -.8246E+00 | D09054.BIS |
| 18.00 | 1.571 | -0.518 | .8043E+01 | .1925E+00 | -.5649E+00 | .1290E+02 | .1153E+02 | .9034E+01 | .5259E+01 | -.8194E+00 | -.2179E+00 | D09054.BIS |
| 19.00 | 1.642 | -0.536 | .7284E+01 | .2847E+00 | -.2991E+00 | .1160E+02 | .9987E+01 | .8651E+01 | .4308E+01 | -.8886E+00 | -.6875E+00 | D09054.BIS |
| 0.20 | 0.299 | 0.001 | .2997E+02 | .1014E+00 | .3078E-01 | .8240E-01 | .8715E-01 | .8510E-01 | .3273E-01 | -.1278E-02 | .1019E-02 | D09064.BIS |
| 1.00 | 0.357 | 0.001 | .2944E+02 | -.8034E-01 | .4322E-01 | .1710E+01 | .1244E+01 | .3739E+00 | .1371E+00 | -.8640E-01 | -.1033E+00 | D09064.BIS |
| 2.00 | 0.428 | 0.001 | .2464E+02 | .4218E+00 | .2554E+00 | .1410E+02 | .1298E+02 | .8273E+01 | .6195E+01 | .4311E+00 | -.2711E+00 | D09064.BIS |
| 3.00 | 0.500 | 0.001 | .2142E+02 | .1025E+01 | .2595E+00 | .1780E+02 | .1680E+02 | .1210E+02 | .7339E+01 | .1823E+00 | -.6270E+00 | D09064.BIS |
| 4.00 | 0.572 | 0.000 | .1993E+02 | .8931E+00 | .6135E-01 | .1950E+02 | .3474E+02 | .1390E+02 | .9174E+01 | .3534E+00 | .2491E+01 | D09064.BIS |
| 5.00 | 0.642 | 0.000 | .1787E+02 | .9982E+00 | -.3871E+00 | .2340E+02 | .2771E+02 | .1540E+02 | .8896E+01 | .1339E+01 | .1878E+01 | D09064.BIS |
| 6.00 | 0.714 | 0.000 | .1727E+02 | .9351E+00 | -.3881E+00 | .2250E+02 | .2943E+02 | .1590E+02 | .8061E+01 | .8484E+00 | .1523E+01 | D09064.BIS |
| 7.00 | 0.786 | 0.000 | .1581E+02 | .1033E+01 | -.4800E+00 | .2450E+02 | .2714E+02 | .1550E+02 | .9811E+01 | .1339E+01 | .1123E+01 | D09064.BIS |
| 8.00 | 0.857 | 0.000 | .1450E+02 | .1188E+01 | -.3743E+00 | .2720E+02 | .2471E+02 | .1580E+02 | .9796E+01 | .1770E+01 | .1252E+01 | D09064.BIS |
| 9.00 | 0.928 | 0.000 | .1385E+02 | .1131E+01 | -.8370E+00 | .2650E+02 | .2373E+02 | .1720E+02 | .9999E+01 | .2457E+01 | .8724E+00 | D09064.BIS |
| 10.00 | 1.000 | 0.000 | .1242E+02 | .8577E+00 | -.9192E+00 | .2820E+02 | .2387E+02 | .1720E+02 | .1120E+02 | .2659E+01 | .1418E+01 | D09064.BIS |
| 11.00 | 1.071 | -0.001 | .1197E+02 | .1072E+01 | -.7063E+00 | .2540E+02 | .2070E+02 | .1610E+02 | .8953E+01 | .1796E+01 | .1472E+00 | D09064.BIS |
| 12.00 | 1.142 | -0.001 | .1095E+02 | .8956E+00 | -.6896E+00 | .2680E+02 | .1954E+02 | .1540E+02 | .9068E+01 | .1390E+01 | .2240E+00 | D09064.BIS |
| 13.00 | 1.214 | -0.001 | .9939E+01 | .9895E+00 | -.4902E+00 | .2750E+02 | .1917E+02 | .1440E+02 | .9582E+01 | .1268E+01 | .1378E+00 | D09064.BIS |
| 14.00 | 1.286 | -0.001 | .9650E+01 | .7450E+00 | -.6594E+00 | .2470E+02 | .1720E+02 | .1360E+02 | .9259E+01 | .1398E+01 | .3390E+00 | D09064.BIS |
| 15.00 | 1.357 | -0.001 | .9521E+01 | .7506E+00 | -.6943E+00 | .2240E+02 | .1734E+02 | .1220E+02 | .8372E+01 | .7520E+00 | .8452E+00 | D09064.BIS |
| 16.00 | 1.428 | -0.001 | .9002E+01 | .8002E+00 | -.3812E+00 | .2040E+02 | .1586E+02 | .1230E+02 | .7695E+01 | .1030E+00 | .1675E-01 | D09064.BIS |
| 17.00 | 1.500 | -0.001 | .8787E+01 | .7062E+00 | -.4971E+00 | .1830E+02 | .1367E+02 | .1150E+02 | .6845E+01 | .6763E+00 | .1493E+00 | D09064.BIS |
| 18.00 | 1.571 | -0.001 | .8436E+01 | .6403E+00 | -.5319E+00 | .1670E+02 | .1314E+02 | .1060E+02 | .6371E+01 | .2326E-01 | -.4410E+00 | D09064.BIS |
| 19.00 | 1.642 | -0.002 | .8190E+01 | .7880E+00 | -.3958E+00 | .1610E+02 | .1175E+02 | .9409E+01 | .5772E+01 | .6325E+00 | -.4032E-01 | D09064.BIS |
| 0.20 | 0.301 | 0.200 | .3019E+02 | -.3585E+00 | -.1776E+00 | .6920E-01 | .9922E-01 | .8410E-01 | -.5166E-02 | .8888E-02 | -.4760E-02 | D09074.BIS |
| 1.00 | 0.356 | 0.214 | .2969E+02 | -.8672E+00 | -.1300E+00 | .1910E+01 | .1430E+01 | .6718E+00 | .2165E+00 | -.1021E+00 | -.8119E-01 | D09074.BIS |
| 2.00 | 0.428 | 0.232 | .2473E+02 | -.3101E+00 | .1905E+00 | .1470E+02 | .1314E+02 | .8848E+01 | .5309E+01 | -.4215E-02 | -.6254E+00 | D09074.BIS |
| 3.00 | 0.500 | 0.250 | .2043E+02 | .3363E-02 | .1629E+00 | .1990E+02 | .3993E+02 | .1440E+02 | .9540E+01 | .4344E+00 | .3449E+01 | D09074.BIS |
| 4.00 | 0.572 | 0.268 | .1895E+02 | .1585E+00 | .1779E+00 | .1930E+02 | .3495E+02 | .1530E+02 | .9335E+01 | .7297E+00 | .3116E+01 | D09074.BIS |
| 5.00 | 0.642 | 0.286 | .1717E+02 | .3776E+00 | .1603E+00 | .2190E+02 | .3211E+02 | .1640E+02 | .8547E+01 | .1060E+01 | .1608E+01 | D09074.BIS |
| 6.00 | 0.714 | 0.303 | .1543E+02 | .7114E+00 | .4286E-01 | .2540E+02 | .2859E+02 | .1770E+02 | .9566E+01 | .2973E+01 | .9016E+00 | D09074.BIS |
| 7.00 | 0.786 | 0.321 | .1440E+02 | .7165E+00 | -.1066E-01 | .2380E+02 | .2595E+02 | .1680E+02 | .7923E+01 | .2750E+01 | .3197E+00 | D09074.BIS |
| 8.00 | 0.857 | 0.339 | .1309E+02 | .6931E+00 | -.1787E+00 | .2590E+02 | .2311E+02 | .1730E+02 | .8007E+01 | .3689E+01 | -.1996E-01 | D09074.BIS |
| 9.00 | 0.928 | 0.357 | .1183E+02 | .5075E+00 | -.1980E+00 | .2600E+02 | .2125E+02 | .1760E+02 | .9785E+01 | .3351E+01 | -.1013E+01 | D09074.BIS |
| 10.00 | 1.000 | 0.375 | .1095E+02 | .6115E+00 | -.3320E+00 | .2750E+02 | .2128E+02 | .1730E+02 | .8486E+01 | .4293E+01 | -.2666E-02 | D09074.BIS |
| 11.00 | 1.071 | 0.393 | .1047E+02 | .5893E+00 | -.4245E+00 | .2480E+02 | .1897E+02 | .1630E+02 | .8927E+01 | .2950E+01 | -.2061E+00 | D09074.BIS |
| 12.00 | 1.142 | 0.410 | .9393E+01 | .7170E+00 | -.3596E+00 | .2480E+02 | .1809E+02 | .1500E+02 | .7877E+01 | .2802E+01 | -.1044E+01 | D09074.BIS |
| 13.00 | 1.214 | 0.429 | .9174E+01 | .7927E+00 | -.4939E+00 | .2330E+02 | .1619E+02 | .1440E+02 | .7934E+01 | .2671E+01 | -.8393E-01 | D09074.BIS |
| 14.00 | 1.286 | 0.446 | .8726E+01 | .6102E+00 | -.5071E+00 | .2170E+02 | .1659E+02 | .1410E+02 | .7591E+01 | .3024E+01 | -.1767E+00 | D09074.BIS |
| 15.00 | 1.357 | 0.464 | .8041E+01 | .6741E+00 | -.3551E+00 | .2110E+02 | .1428E+02 | .1290E+02 | .7041E+01 | .1913E+01 | -.6753E+00 | D09074.BIS |
| 16.00 | 1.428 | 0.482 | .8001E+01 | .6784E+00 | -.2680E+00 | .1950E+02 | .1533E+02 | .1190E+02 | .7201E+01 | .2924E+01 | -.3182E+00 | D09074.BIS |
| 17.00 | 1.500 | 0.500 | .7998E+01 | .7370E+00 | -.2189E+00 | .1820E+02 | .1364E+02 | .1110E+02 | .5937E+01 | .2259E+01 | -.3636E+00 | D09074.BIS |
| 18.00 | 1.571 | 0.518 | .7773E+01 | .7237E+00 | -.2515E+00 | .1620E+02 | .1213E+02 | .1080E+02 | .5295E+01 | .2061E+01 | -.6184E+00 | D09074.BIS |
| 19.00 | 1.642 | 0.535 | .8049E+01 | .6719E+00 | -.2948E+00 | .1450E+02 | .1165E+02 | .9569E+01 | .4960E+01 | .1000E+01 | -.3595E+00 | D09074.BIS |
| 0.20 | 0.301 | 0.400 | .3016E+02 | -.4588E+00 | .7862E-01 | .7000E-01 | .1050E+00 | .7930E-01 | .1391E-01 | .6931E-02 | -.2270E-01 | D09084.BIS |
| 1.00 | 0.356 | 0.428 | .2969E+02 | -.6360E+00 | .3891E+00 | .1520E+01 | .1200E+01 | .4009E+00 | .1884E+00 | -.1289E+00 | -.2390E+00 | D09084.BIS |
| 2.00 | 0.428 | 0.464 | .2603E+02 | .5702E-02 | .2413E+00 | .1050E+02 | .9142E+01 | .7281E+01 | .3198E+01 | .6794E-01 | .1087E+01 | D09084.BIS |
| 3.00 | 0.500 | 0.500 | .2196E+02 | .4410E+00 | -.8991E-02 | .1770E+02 | .3689E+02 | .1230E+02 | .8831E+01 | .7555E+00 | .2288E+01 | D09084.BIS |
| 4.00 | 0.571 | 0.535 | .1791E+02 | .5365E+00 | -.7469E-01 | .2400E+02 | .3723E+02 | .1690E+02 | .9096E+01 | .2609E+01 | .9076E+00 | D09084.BIS |
| 5.00 | 0.642 | 0.571 | .1526E+02 | .6048E+00 | .1086E+00 | .2560E+02 | .3266E+02 | .1800E+02 | .8626E+01 | .3554E+01 | -.4865E+00 | D09084.BIS |
| 6.00 | 0.714 | 0.607 | .1314E+02 | .5548E+00 | .1913E-01 | .2520E+02 | .2757E+02 | .1790E+02 | .8965E+01 | .4047E+01 | -.4513E+00 | D09084.BIS |
| 7.00 | 0.786 | 0.643 | .1170E+02 | .6311E+00 | -.1277E+00 | .2650E+02 | .2403E+02 | .1630E+02 | .8932E+01 | .3313E+01 | -.2121E+01 | D09084.BIS |
| 8.00 | 0.857 | 0.678 | .1018E+02 | .4369E+00 | -.2701E+00 | .2620E+02 | .2064E+02 | .1650E+02 | .8007E+01 | .4133E+01 | -.1162E+01 | D09084.BIS |
| 9.00 | 0.928 | 0.714 | .9705E+01 | .5984E+00 | -.3898E+00 | .2630E+02 | .1947E+02 | .1530E+02 | .8562E+01 | .4730E+01 | -.5293E+00 | D09084.BIS |
| 10.00 | 1.000 | 0.750 | .8329E+01 | .6093E+00 | -.2990E+00 | .2190E+02 | .1702E+02 | .1410E+02 | .6375E+01 | .4602E+01 | -.9749E+00 | D09084.BIS |
| 11.00 | 1.071 | 0.785 | .8153E+01 | .7175E+00 | -.3101E+00 | .2190E+02 | .1865E+02 | .1330E+02 | .8360E+01 | .3229E+01 | -.8848E+00 | D09084.BIS |
| 12.00 | 1.142 | 0.821 | .7666E+01 | .3933E+00 | -.3030E+00 | .2080E+02 | .1693E+02 | .1250E+02 | .7591E+01 | .3172E+01 | -.1137E+00 | D09084.BIS |

TABLE 3
Continued

| X | Y | Z | U | V | W | uu | vv | ww | uv | uw | vw | File Name | |
|-------|---------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | | |
| 13.00 | 1.214 | 0.857 | .7703E+01 | .7729E+00 | -.3062E+00 | .1860E+02 | .1774E+02 | .1220E+02 | .6428E+01 | .3451E+01 | -.1253E+01 | D09084.BIS | |
| 14.00 | 1.286 | 0.893 | .7080E+01 | .5482E+00 | -.1214E+00 | .1640E+02 | .1535E+02 | .1110E+02 | .6092E+01 | .2197E+01 | -.7310E+00 | D09084.BIS | |
| 15.00 | 1.357 | 0.928 | .7746E+01 | .8353E+00 | -.3216E+00 | .1820E+02 | .1462E+02 | .1090E+02 | .6489E+01 | .3267E+01 | -.1200E+00 | D09084.BIS | |
| 16.00 | 1.428 | 0.964 | .7203E+01 | .6190E+00 | -.2372E+00 | .1700E+02 | .1393E+02 | .9319E+01 | .6113E+01 | .1563E+01 | -.4907E+00 | D09084.BIS | |
| 17.00 | 1.500 | 1.000 | .7015E+01 | .8967E+00 | -.7884E-01 | .1300E+02 | .1230E+02 | .9809E+01 | .4583E+01 | .1708E+01 | -.8291E+00 | D09084.BIS | |
| 18.00 | 1.572 | 1.036 | .7391E+01 | .8613E+00 | -.2611E+00 | .1480E+02 | .1178E+02 | .9559E+01 | .5025E+01 | .2550E+01 | -.4354E+00 | D09084.BIS | |
| 19.00 | 1.642 | 1.071 | .6940E+01 | .8052E+00 | -.9514E-01 | .1270E+02 | .1140E+02 | .8497E+01 | .4361E+01 | .1708E+01 | -.8191E+00 | D09084.BIS | |
| 0.20 | 0.301 | 0.600 | .3017E+02 | -.6553E+00 | -.1490E+00 | .8270E-01 | .2499E+00 | .1050E+00 | -.3856E-01 | -.1265E-02 | -.7354E-01 | D09094.BIS | |
| 1.00 | -.0.356 | 0.643 | .2974E+02 | -.7479E+00 | -.3804E-01 | .1670E+01 | .1294E+01 | .5562E+00 | .2871E+00 | -.1381E+00 | -.2306E+00 | D09094.BIS | |
| 2.00 | 0.428 | 0.696 | .2454E+02 | -.6074E-01 | -.2982E+00 | .1730E+02 | .1584E+02 | .1060E+02 | .6524E+01 | .1037E+01 | .1303E+01 | D09094.BIS | |
| 3.00 | 0.500 | 0.749 | .1735E+02 | .6937E+00 | -.1401E+00 | .2970E+02 | .4755E+02 | .2080E+02 | .1990E+02 | .1041E+02 | .5259E+01 | -.5842E-01 | D09094.BIS |
| 4.00 | 0.571 | 0.803 | .1306E+02 | .4012E+00 | -.3338E-01 | .2900E+02 | .3924E+02 | .2870E+02 | .1750E+02 | .9353E+01 | .5348E+01 | -.1191E+01 | D09094.BIS |
| 5.00 | 0.642 | 0.857 | .9731E+01 | .2583E+00 | -.3808E+00 | .2870E+02 | .2728E+02 | .1750E+02 | .9353E+01 | .5348E+01 | -.1191E+01 | D09094.BIS | |
| 6.00 | 0.714 | 0.910 | .8418E+01 | .3419E+00 | -.3938E+00 | .2470E+02 | .2116E+02 | .1500E+02 | .7162E+01 | .5363E+01 | -.1308E+01 | D09094.BIS | |
| 7.00 | 0.786 | 0.964 | .6961E+01 | .5249E+00 | -.6030E+00 | .2240E+02 | .1738E+02 | .1340E+02 | .6952E+01 | .4490E+01 | -.1051E+01 | D09094.BIS | |
| 8.00 | 0.857 | 1.018 | .5904E+01 | .2593E+00 | -.5560E+00 | .1980E+02 | .1509E+02 | .1140E+02 | .5217E+01 | .3971E+01 | -.1366E+01 | D09094.BIS | |
| 9.00 | 0.928 | 1.071 | .5964E+01 | .5147E+00 | -.6626E+00 | .2100E+02 | .1605E+02 | .1140E+02 | .6964E+01 | .3664E+01 | -.1245E+01 | D09094.BIS | |
| 10.00 | 1.000 | 1.125 | .5279E+01 | .4130E+00 | -.5590E+00 | .1779E+02 | .1366E+02 | .1030E+02 | .4876E+01 | .3210E+01 | -.1221E+01 | D09094.BIS | |
| 11.00 | 1.072 | 1.178 | .4708E+01 | .3964E+00 | -.6122E+00 | .1490E+02 | .1145E+02 | .9531E+01 | .4580E+01 | .2261E+01 | -.1049E+01 | D09094.BIS | |
| 12.00 | 1.142 | 1.232 | .4872E+01 | .3129E+00 | -.2541E+00 | .1580E+02 | .1168E+02 | .8723E+01 | .4632E+01 | .2149E+01 | -.7559E+00 | D09094.BIS | |
| 13.00 | 1.214 | 1.285 | .5919E+01 | .6440E+00 | -.3464E-01 | .1570E+02 | .1563E+02 | .8877E+01 | .5411E+01 | .2798E+01 | -.4083E-01 | D09094.BIS | |
| 14.00 | 1.286 | 1.339 | .5039E+01 | .2346E+00 | .2519E+00 | .1270E+02 | .1275E+02 | .7770E+01 | .4281E+01 | .2650E+01 | -.2978E+00 | D09094.BIS | |
| 15.00 | 1.357 | 1.393 | .5057E+01 | .2783E+00 | .2616E+00 | .1370E+02 | .1463E+02 | .7760E+01 | .5319E+01 | .2680E+01 | .1000E+01 | D09094.BIS | |
| 16.00 | 1.428 | 1.446 | .5348E+01 | .4509E+00 | .2217E+00 | .1210E+02 | .1375E+02 | .7371E+01 | .4030E+01 | .2381E+01 | .3473E+00 | D09094.BIS | |
| 17.00 | 1.500 | 1.500 | .5300E+01 | .4686E+00 | .1774E+00 | .1110E+02 | .1389E+02 | .7221E+01 | .3811E+01 | .2640E+01 | .4093E+00 | D09094.BIS | |
| 18.00 | 1.571 | 1.554 | .5583E+01 | .6067E+00 | .2407E+00 | .1110E+02 | .1239E+02 | .7032E+01 | .3695E+01 | .2692E+01 | .2765E+00 | D09094.BIS | |
| 19.00 | 1.642 | 1.607 | .4904E+01 | .4729E+00 | .2212E+00 | .9360E+01 | .1140E+02 | .6060E+01 | .3349E+01 | .1990E+01 | .8116E-01 | D09094.BIS | |
| 0.20 | 0.299 | 0.799 | .3008E+02 | -.3372E+00 | -.1193E+01 | .9353E-01 | .4848E+00 | .5280E+00 | -.1082E+00 | .5321E-01 | -.7735E-01 | D09104.BIS | |
| 1.00 | 0.357 | 0.857 | .2866E+02 | -.1614E+01 | .2980E-01 | .5710E+01 | .6681E+01 | .1470E+01 | .7145E+00 | .6553E+00 | .5706E+00 | D09104.BIS | |
| 2.00 | 0.428 | 0.928 | .1630E+02 | -.2146E+00 | .1834E+00 | .3080E+02 | .5799E+02 | .1620E+02 | .1018E+02 | .6489E+01 | .1377E+01 | D09104.BIS | |
| 3.00 | 0.500 | 1.000 | .9367E+01 | .4966E+00 | -.9696E-01 | .2810E+02 | .3579E+02 | .1520E+02 | .7590E+01 | .5781E+01 | -.1100E+01 | D09104.BIS | |
| 4.00 | 0.572 | 1.071 | .6880E+01 | .7085E+00 | -.2168E+00 | .2040E+02 | .2188E+02 | .1110E+02 | .6049E+01 | .4517E+01 | -.7515E+00 | D09104.BIS | |
| 5.00 | 0.642 | 1.143 | .5930E+01 | .7503E+00 | -.2229E+00 | .1770E+02 | .1579E+02 | .9247E+01 | .4953E+01 | .4158E+01 | -.6923E+00 | D09104.BIS | |
| 6.00 | 0.714 | 1.214 | .4622E+01 | .6394E+00 | -.2942E+00 | .1380E+02 | .1195E+02 | .8547E+01 | .3047E+01 | .3528E+01 | -.8013E+00 | D09104.BIS | |
| 7.00 | 0.786 | 1.285 | .4343E+01 | .6162E+00 | -.1684E+00 | .1200E+02 | .1169E+02 | .7300E+01 | .3414E+01 | .2839E+01 | -.4530E+00 | D09104.BIS | |
| 8.00 | 0.857 | 1.357 | .4109E+01 | .6897E+00 | -.4099E+00 | .1080E+02 | .1137E+02 | .6018E+01 | .4153E+01 | .2308E+01 | -.1760E+00 | D09104.BIS | |
| 9.00 | 0.928 | 1.429 | .4615E+01 | .9260E+00 | -.4740E+00 | .1300E+02 | .1276E+02 | .6810E+01 | .5062E+01 | .2190E+01 | -.1675E+00 | D09104.BIS | |
| 10.00 | 1.000 | 1.500 | .4219E+01 | .6655E+00 | -.2461E+00 | .1170E+02 | .1228E+02 | .6548E+01 | .4702E+01 | .1918E+01 | .5265E-01 | D09104.BIS | |
| 11.00 | 1.071 | 1.571 | .4062E+01 | .7110E+00 | -.2907E+00 | .1130E+02 | .1109E+02 | .6430E+01 | .4061E+01 | .1750E+01 | -.1349E+00 | D09104.BIS | |
| 12.00 | 1.142 | 1.643 | .4118E+01 | .5512E+00 | -.1810E+00 | .1050E+02 | .1060E+02 | .6540E+01 | .3620E+01 | .1960E+01 | .1360E+00 | D09104.BIS | |
| 13.00 | 1.214 | 1.714 | .3751E+01 | .6458E+00 | -.9769E-01 | .1040E+02 | .9748E+01 | .5928E+01 | .3745E+01 | .1988E+01 | .6875E-01 | D09104.BIS | |
| 14.00 | 1.286 | 1.786 | .4413E+01 | .6200E+00 | .6980E-01 | .9560E+01 | .9942E+01 | .6360E+01 | .3022E+01 | .1780E+01 | .4289E+00 | D09104.BIS | |
| 15.00 | 1.357 | 1.857 | .4142E+01 | .4805E+00 | .2510E+00 | .9281E+01 | .9733E+01 | .5630E+01 | .2980E+01 | .1860E+01 | .3965E+00 | D09104.BIS | |
| 16.00 | 1.428 | 1.928 | .4325E+01 | .7631E+00 | -.5078E-01 | .8050E+01 | .8601E+01 | .5080E+01 | .2509E+01 | .1460E+01 | .1180E+00 | D09104.BIS | |
| 17.00 | 1.500 | 2.000 | .3932E+01 | .5938E+00 | .9600E-01 | .7760E+01 | .8715E+01 | .4920E+01 | .2852E+01 | .1620E+01 | .5789E+00 | D09104.BIS | |
| 18.00 | 1.571 | 2.071 | .4297E+01 | .7634E+00 | .3826E-01 | .7170E+01 | .8298E+01 | .4839E+01 | .1990E+01 | .1590E+01 | -.2497E+00 | D09104.BIS | |
| 19.00 | 1.642 | 2.142 | .3750E+01 | .5892E+00 | .2318E-01 | .7080E+01 | .7767E+01 | .4850E+01 | .2130E+01 | .2140E+01 | .1590E+00 | D09104.BIS | |
| 0.20 | 0.302 | 1.000 | .1040E+02 | .1270E+01 | .3265E-01 | .1320E+01 | .1065E+01 | .3080E+00 | .3898E+00 | .1250E+00 | -.9011E-02 | D09114.BIS | |
| 1.00 | 0.356 | 1.071 | .5919E+01 | .4320E-02 | .5601E+00 | .2310E+02 | .5090E+02 | .1620E+02 | .6343E+01 | .9298E+01 | .1873E+01 | D09114.BIS | |
| 2.00 | 0.428 | 1.161 | .3577E+01 | .5414E+00 | -.1329E+00 | .1300E+02 | .1791E+02 | .8730E+01 | .4655E+01 | .3460E+01 | .3629E+00 | D09114.BIS | |
| 3.00 | 0.500 | 1.250 | .3217E+01 | .4184E+00 | -.1079E+00 | .1010E+02 | .1134E+02 | .6281E+01 | .2523E+01 | .3001E+01 | .4618E+00 | D09114.BIS | |
| 4.00 | 0.572 | 1.339 | .3179E+01 | .6255E+00 | -.8551E-01 | .7950E+01 | .9283E+01 | .5209E+01 | .2010E+01 | .2290E+01 | .1707E+00 | D09114.BIS | |
| 5.00 | 0.642 | 1.429 | .2697E+01 | .3867E+00 | .5091E-01 | .7130E+01 | .6897E+01 | .4060E+01 | .2080E+01 | .1750E+01 | .1652E+00 | D09114.BIS | |
| 6.00 | 0.714 | 1.518 | .2451E+01 | .4416E+00 | -.5112E-01 | .7420E+01 | .6687E+01 | .4340E+01 | .1872E+01 | .2000E+01 | .1692E+00 | D09114.BIS | |
| 7.00 | 0.786 | 1.607 | .2148E+01 | .3300E+00 | -.3384E-01 | .6819E+01 | .6334E+01 | .3930E+01 | .1339E+01 | .1850E+01 | -.1642E+00 | D09114.BIS | |
| 8.00 | 0.857 | 1.696 | .2045E+01 | .2291E+00 | -.6905E-01 | .6630E+01 | .5608E+01 | .3630E+01 | .1490E+01 | .1500E+01 | .1587E-01 | D09114.BIS | |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 9.00 | 0.928 | 1.786 | .2050E+01 | .3910E+00 | -.1423E+00 | .7270E+01 | .6337E+01 | .4320E+01 | .2289E+01 | .1910E+01 | .3487E+00 | D09114.BIS |
| 10.00 | 1.000 | 1.874 | .2311E+01 | .4655E+00 | -.2147E+00 | .6700E+01 | .7119E+01 | .4020E+01 | .2159E+01 | .1360E+01 | .2653E+00 | D09114.BIS |
| 11.00 | 1.071 | 1.964 | .2342E+01 | .5379E+00 | -.1936E+00 | .7250E+01 | .6522E+01 | .4120E+01 | .2132E+01 | .1910E+01 | .5044E+00 | D09114.BIS |
| 12.00 | 1.142 | 2.053 | .2129E+01 | .3583E+00 | -.1574E+00 | .6640E+01 | .6633E+01 | .3929E+01 | .1981E+01 | .1490E+01 | .4122E+00 | D09114.BIS |
| 13.00 | 1.214 | 2.142 | .2860E+01 | .5439E+00 | -.3109E-01 | .6930E+01 | .7693E+01 | .4291E+01 | .2548E+01 | .1880E+01 | .5633E+00 | D09114.BIS |
| 14.00 | 1.286 | 2.232 | .2792E+01 | .5411E+00 | -.2671E-02 | .6981E+01 | .7280E+01 | .4160E+01 | .2201E+01 | .1750E+01 | .4258E+00 | D09114.BIS |
| 15.00 | 1.357 | 2.321 | .2973E+01 | .6857E+00 | -.1801E-01 | .7860E+01 | .8017E+01 | .4510E+01 | .2510E+01 | .2260E+01 | .8976E+00 | D09114.BIS |
| 16.00 | 1.428 | 2.410 | .2823E+01 | .3883E+00 | -.1741E+00 | .6600E+01 | .7118E+01 | .4251E+01 | .1890E+01 | .1830E+01 | .4391E+00 | D09114.BIS |
| 17.00 | 1.500 | 2.500 | .2559E+01 | .4417E+00 | .4591E-01 | .6630E+01 | .6581E+01 | .3710E+01 | .1662E+01 | .1630E+01 | .2864E+00 | D09114.BIS |
| 18.00 | 1.048 | 2.589 | .3535E+01 | .3580E+00 | .2451E+00 | .7590E+01 | .7545E+01 | .4560E+01 | .1390E+01 | .2200E+01 | .1698E+00 | D09114.BIS |
| 19.00 | 1.095 | 2.678 | .3450E+01 | .4178E+00 | .2452E+00 | .7820E+01 | .7233E+01 | .4679E+01 | .1349E+01 | .2740E+01 | .4342E+00 | D09114.BIS |
| 0.20 | 0.402 | -0.200 | .3014E+02 | -.8378E+00 | -.5326E+00 | .7201E-01 | .3966E+00 | .5050E+00 | .8396E-02 | .2874E-01 | -.1049E+00 | D10054.BIS |
| 1.00 | 0.475 | -0.214 | .2303E+02 | .3971E+00 | -.1265E+00 | .1990E+02 | .1623E+02 | .1200E+02 | .6828E+01 | -.2251E+01 | -.2609E+01 | D10054.BIS |
| 2.00 | 0.571 | -0.232 | .1588E+02 | .8223E+00 | -.4451E+00 | .2750E+02 | .5046E+02 | .1980E+02 | .1349E+02 | .3622E+00 | .2781E+01 | D10054.BIS |
| 3.00 | 0.666 | -0.250 | .1448E+02 | .1407E+01 | -.5590E+00 | .2620E+02 | .3606E+02 | .1810E+02 | .1231E+02 | .4331E+00 | .1287E+01 | D10054.BIS |
| 4.00 | 0.762 | -0.268 | .1220E+02 | .1029E+01 | -.1077E+01 | .2560E+02 | .3191E+02 | .1580E+02 | .1040E+02 | .2859E+00 | .4414E+00 | D10054.BIS |
| 5.00 | 0.857 | -0.286 | .1009E+02 | .5812E+00 | -.7826E+00 | .2221E+02 | .2073E+02 | .1480E+02 | .8336E+01 | -.7001E+00 | .2275E+00 | D10054.BIS |
| 6.00 | 0.952 | -0.304 | .9144E+01 | .3492E+00 | -.1040E+01 | .1880E+02 | .1668E+02 | .1240E+02 | .7302E+01 | .4024E-01 | .3128E+00 | D10054.BIS |
| 7.00 | 1.048 | -0.322 | .7756E+01 | .1492E+00 | -.1126E+01 | .1670E+02 | .1442E+02 | .1210E+02 | .6361E+01 | -.8818E+00 | .2584E-01 | D10054.BIS |
| 8.00 | 1.143 | -0.339 | .7682E+01 | .4324E+00 | -.6821E+00 | .1450E+02 | .1216E+02 | .1150E+02 | .5138E+01 | -.8606E+00 | -.2334E+00 | D10054.BIS |
| 9.00 | 1.238 | -0.357 | .7003E+01 | .3498E+00 | -.3766E+00 | .1480E+02 | .1337E+02 | .1030E+02 | .5056E+01 | -.7407E+00 | -.4254E+00 | D10054.BIS |
| 10.00 | 1.333 | -0.375 | .6366E+01 | .1884E+00 | -.6489E+00 | .1320E+02 | .1090E+02 | .9123E+01 | .4852E+01 | -.6265E+00 | -.7566E+00 | D10054.BIS |
| 11.00 | 1.429 | -0.393 | .6024E+01 | .1769E+00 | -.4008E+00 | .1140E+02 | .1140E+02 | .8613E+01 | .4911E+01 | -.9060E+00 | -.4955E+00 | D10054.BIS |
| 12.00 | 1.524 | -0.411 | .6174E+01 | .3104E+00 | -.1798E+00 | .1170E+02 | .1070E+02 | .8688E+01 | .4829E+01 | -.5611E+00 | -.6412E+00 | D10054.BIS |
| 13.00 | 1.619 | -0.429 | .5706E+01 | .2777E+00 | -.1509E+00 | .1210E+02 | .1109E+02 | .8199E+01 | .4861E+01 | -.4096E+00 | -.6423E+00 | D10054.BIS |
| 14.00 | 1.714 | -0.447 | .6040E+01 | .3525E+00 | -.1074E+00 | .1070E+02 | .1010E+02 | .7700E+01 | .4411E+01 | -.2409E+00 | -.1125E+00 | D10054.BIS |
| 15.00 | 1.810 | -0.465 | .5589E+01 | .3028E+00 | -.2557E+00 | .1030E+02 | .1001E+02 | .7090E+01 | .4400E+01 | -.1210E+01 | .6708E-01 | D10054.BIS |
| 16.00 | 1.905 | -0.482 | .5513E+01 | .4555E+00 | .5510E-01 | .9110E+01 | .1039E+02 | .6520E+01 | .4119E+01 | -.2113E+00 | .1896E+00 | D10054.BIS |
| 17.00 | 2.000 | -0.500 | .5657E+01 | .3761E+00 | .2001E+00 | .8740E+01 | .1041E+02 | .6000E+01 | .3932E+01 | .2927E-01 | .2043E+00 | D10054.BIS |
| 18.00 | 2.095 | -0.518 | .5386E+01 | .2072E+00 | -.1263E+00 | .8440E+01 | .9227E+01 | .5930E+01 | .3949E+01 | -.7061E+00 | .1243E-01 | D10054.BIS |
| 19.00 | 2.191 | -0.536 | .5459E+01 | .4673E+00 | .1460E+00 | .8110E+01 | .9562E+01 | .5470E+01 | .3479E+01 | -.2313E+00 | .1375E+00 | D10054.BIS |
| 0.20 | 0.402 | 0.001 | .3028E+02 | -.3920E-02 | .2125E+00 | .6960E-01 | .1036E+00 | .7440E-01 | .1142E-01 | .9831E-02 | -.1918E-01 | D10064.BIS |
| 1.00 | 0.476 | 0.001 | .2268E+02 | .9545E+00 | -.6609E-01 | .1900E+02 | .1728E+02 | .1010E+02 | .8421E+01 | -.3452E+00 | -.3147E+01 | D10064.BIS |
| 2.00 | 0.571 | 0.001 | .1364E+02 | .5576E+00 | -.5124E-02 | .3360E+02 | .6079E+02 | .2140E+02 | .1791E+02 | .2102E+01 | .4239E+01 | D10064.BIS |
| 3.00 | 0.666 | 0.001 | .1278E+02 | .9527E+00 | -.2716E+00 | .2730E+02 | .4697E+02 | .1970E+02 | .1231E+02 | .4932E+00 | .2125E+01 | D10064.BIS |
| 4.00 | 0.762 | 0.000 | .1273E+02 | .9272E+00 | -.5349E+00 | .2580E+02 | .3705E+02 | .1990E+02 | .1260E+02 | .1011E+01 | .2271E+01 | D10064.BIS |
| 5.00 | 0.857 | 0.000 | .1185E+02 | .9515E+00 | -.6212E+00 | .2710E+02 | .2967E+02 | .1750E+02 | .1040E+02 | .3979E+00 | .1990E+01 | D10064.BIS |
| 6.00 | 0.952 | 0.000 | .1031E+02 | .7332E+00 | -.6362E+00 | .2500E+02 | .2516E+02 | .1650E+02 | .8818E+01 | .5891E+00 | .1046E+01 | D10064.BIS |
| 7.00 | 1.047 | 0.000 | .9348E+01 | .7964E+00 | -.8860E+00 | .2500E+02 | .2094E+02 | .1530E+02 | .9524E+01 | .8270E+00 | .8737E+00 | D10064.BIS |
| 8.00 | 1.143 | 0.000 | .8570E+01 | .8765E+00 | -.5461E+00 | .2340E+02 | .1985E+02 | .1540E+02 | .9436E+01 | .3041E+00 | .2790E+00 | D10064.BIS |
| 9.00 | 1.238 | 0.000 | .7788E+01 | .7970E+00 | -.8894E+00 | .2370E+02 | .1897E+02 | .1330E+02 | .9039E+01 | .1240E+01 | -.1039E+00 | D10064.BIS |
| 10.00 | 1.333 | 0.000 | .6990E+01 | .6611E+00 | -.7284E+00 | .2070E+02 | .1710E+02 | .1290E+02 | .7659E+01 | -.4041E+00 | -.5274E-01 | D10064.BIS |
| 11.00 | 1.429 | -0.001 | .6565E+01 | .7021E+00 | -.5890E+00 | .2140E+02 | .1635E+02 | .1240E+02 | .8352E+01 | .9893E-01 | -.9770E-01 | D10064.BIS |
| 12.00 | 1.524 | -0.001 | .6259E+01 | .6492E+00 | -.6378E+00 | .1890E+02 | .1422E+02 | .1190E+02 | .7317E+01 | .4146E-02 | .1588E+00 | D10064.BIS |
| 13.00 | 1.619 | -0.001 | .5821E+01 | .7058E+00 | -.7109E+00 | .1710E+02 | .1354E+02 | .1100E+02 | .6750E+01 | -.3718E+00 | -.6208E+00 | D10064.BIS |
| 14.00 | 1.714 | -0.001 | .5608E+01 | .4891E+00 | -.4891E+00 | .1530E+02 | .1216E+02 | .9690E+01 | .6234E+01 | -.1718E+00 | -.2555E+00 | D10064.BIS |
| 15.00 | 1.809 | -0.001 | .5456E+01 | .4995E+00 | -.4171E+00 | .1440E+02 | .1122E+02 | .8669E+01 | .5595E+01 | .2771E+00 | .1401E+00 | D10064.BIS |
| 16.00 | 1.905 | -0.001 | .5347E+01 | .5070E+00 | -.5831E+00 | .1260E+02 | .1060E+02 | .8347E+01 | .5049E+01 | -.6877E+00 | -.4225E+00 | D10064.BIS |
| 17.00 | 2.000 | -0.001 | .4957E+01 | .4713E+00 | -.3118E+00 | .1310E+02 | .1020E+02 | .7831E+01 | .5440E+01 | -.6195E+00 | -.3687E+00 | D10064.BIS |
| 18.00 | 2.095 | -0.002 | .5287E+01 | .5012E+00 | -.6266E+00 | .1060E+02 | .8682E+01 | .8000E+01 | .3920E+01 | -.7030E+00 | -.4962E+00 | D10064.BIS |
| 19.00 | 2.190 | -0.002 | .4878E+01 | .4374E+00 | -.4212E+00 | .1120E+02 | .7915E+01 | .7009E+01 | .4552E+01 | -.5691E+00 | -.3059E+00 | D10064.BIS |
| 0.20 | 0.400 | 0.200 | .3017E+02 | -.6669E+00 | .4127E+00 | .8582E-01 | .1293E+00 | .1190E+00 | .7306E-02 | .1111E-01 | -.1098E-01 | D10074.BIS |
| 1.00 | 0.475 | 0.214 | .2249E+02 | .9346E+00 | .5189E+00 | .1870E+02 | .1708E+02 | .1170E+02 | .7358E+01 | -.9911E+00 | -.3068E+01 | D10074.BIS |
| 2.00 | 0.571 | 0.232 | .1398E+02 | .4379E+00 | .1464E+00 | .3210E+02 | .5778E+02 | .2100E+02 | .1510E+02 | .3177E+00 | .2542E+01 | D10074.BIS |
| 3.00 | 0.666 | 0.250 | .1230E+02 | .2902E+00 | -.7546E-01 | .2650E+02 | .3926E+02 | .1950E+02 | .1069E+02 | .5943E+00 | .1572E+01 | D10074.BIS |
| 4.00 | 0.762 | 0.268 | .1156E+02 | .7354E+00 | -.3623E+00 | .2370E+02 | .2825E+02 | .1760E+02 | .9760E+01 | .9585E+00 | .1064E+01 | D10074.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 5.00 | 0.857 | 0.285 | .1019E+02 | .8167E+00 | .7815E-01 | .2390E+02 | .2590E+02 | .1640E+02 | .9432E+01 | .1434E+01 | .3604E+00 | D10074.BIS |
| 6.00 | 0.952 | 0.303 | .8705E+01 | .7809E+00 | -.2389E+00 | .2640E+02 | .2100E+02 | .1420E+02 | .9070E+01 | .2652E+01 | .1824E+00 | D10074.BIS |
| 7.00 | 1.048 | 0.321 | .8065E+01 | .6593E+00 | -.3113E+00 | .2250E+02 | .1826E+02 | .1390E+02 | .8143E+01 | .1868E+01 | .1146E-01 | D10074.BIS |
| 8.00 | 1.143 | 0.339 | .7208E+01 | .6243E+00 | -.2664E+00 | .2060E+02 | .1655E+02 | .1330E+02 | .6669E+01 | .1817E+01 | -.6292E+00 | D10074.BIS |
| 9.00 | 1.238 | 0.357 | .6685E+01 | .5365E+00 | -.2383E+00 | .2040E+02 | .1522E+02 | .1240E+02 | .7418E+01 | .1559E+01 | -.4463E-01 | D10074.BIS |
| 10.00 | 1.333 | 0.375 | .6064E+01 | .5077E+00 | -.2078E+00 | .1720E+02 | .1380E+02 | .1120E+02 | .6754E+01 | .1920E+01 | -.2925E-01 | D10074.BIS |
| 11.00 | 1.428 | 0.393 | .5610E+01 | .4581E+00 | -.2943E+00 | .1560E+02 | .1275E+02 | .1030E+02 | .5896E+01 | .1357E+01 | -.4550E+00 | D10074.BIS |
| 12.00 | 1.524 | 0.410 | .5014E+01 | .3926E+00 | -.4112E+00 | .1590E+02 | .1201E+02 | .9329E+01 | .5924E+01 | .9437E+00 | -.3460E+00 | D10074.BIS |
| 13.00 | 1.619 | 0.429 | .4969E+01 | .5255E+00 | -.4549E+00 | .1470E+02 | .1164E+02 | .8858E+01 | .5752E+01 | .1491E+01 | .8977E-01 | D10074.BIS |
| 14.00 | 1.714 | 0.446 | .4761E+01 | .5959E+00 | -.3411E+00 | .1300E+02 | .1062E+02 | .8161E+01 | .4977E+01 | .8537E+00 | -.5035E+00 | D10074.BIS |
| 15.00 | 1.809 | 0.464 | .4669E+01 | .5260E+00 | -.2691E+00 | .1260E+02 | .1021E+02 | .7851E+01 | .4683E+01 | .1341E+01 | -.2450E+00 | D10074.BIS |
| 16.00 | 1.905 | 0.482 | .4479E+01 | .6030E+00 | -.1683E+00 | .1210E+02 | .1007E+02 | .8228E+01 | .4463E+01 | .1168E+01 | -.7548E-01 | D10074.BIS |
| 17.00 | 2.000 | 0.500 | .4871E+01 | .5852E+00 | -.4546E+00 | .1030E+02 | .9159E+01 | .7150E+01 | .4020E+01 | .2472E+00 | -.5335E+00 | D10074.BIS |
| 18.00 | 2.095 | 0.518 | .4638E+01 | .4730E+00 | -.1003E+00 | .9860E+01 | .8256E+01 | .6460E+01 | .3819E+01 | .8968E+00 | -.1486E+00 | D10074.BIS |
| 19.00 | 2.190 | 0.535 | .4563E+01 | .4867E+00 | .1425E-01 | .9431E+01 | .8093E+01 | .5990E+01 | .3892E+01 | .8649E+00 | .7746E-01 | D10074.BIS |
| 0.20 | 0.399 | 0.400 | .3021E+02 | -.5349E+00 | .4257E-01 | .7951E-01 | .1180E+00 | .9541E-01 | .2783E-01 | .3010E-01 | .1458E-01 | D10084.BIS |
| 1.00 | 0.476 | 0.428 | .2359E+02 | .9557E+00 | .7921E+00 | .1520E+02 | .1476E+02 | .1080E+02 | .8003E+01 | .1405E+00 | .1226E+00 | D10084.BIS |
| 2.00 | 0.571 | 0.464 | .1618E+02 | .9617E+00 | -.3131E+00 | .2640E+02 | .2535E+02 | .2130E+02 | .1055E+02 | -.2717E+00 | .2518E+00 | D10084.BIS |
| 3.00 | 0.666 | 0.500 | .1332E+02 | .9815E+00 | -.6588E-01 | .2610E+02 | .4072E+02 | .2040E+02 | .1120E+02 | .2563E+01 | .1116E+01 | D10084.BIS |
| 4.00 | 0.762 | 0.535 | .1066E+02 | .8627E+00 | -.4037E-01 | .2440E+02 | .2728E+02 | .1790E+02 | .8320E+01 | .2960E+01 | .5124E-01 | D10084.BIS |
| 5.00 | 0.857 | 0.571 | .8237E+01 | .3737E+00 | -.2128E+00 | .2070E+02 | .2371E+02 | .1560E+02 | .7443E+01 | .1999E+01 | -.7477E+00 | D10084.BIS |
| 6.00 | 0.952 | 0.607 | .7276E+01 | .5348E+00 | -.5970E+00 | .1830E+02 | .1763E+02 | .1270E+02 | .6811E+01 | .9836E+00 | -.6913E+00 | D10084.BIS |
| 7.00 | 1.048 | 0.643 | .6108E+01 | .5193E+00 | -.3000E+00 | .1760E+02 | .1531E+02 | .1150E+02 | .6201E+01 | .2499E+01 | -.1133E+00 | D10084.BIS |
| 8.00 | 1.143 | 0.678 | .5645E+01 | .4543E+00 | -.5705E+00 | .1660E+02 | .1327E+02 | .9839E+01 | .6233E+01 | .1787E+01 | -.4111E+00 | D10084.BIS |
| 9.00 | 1.238 | 0.714 | .5435E+01 | .4657E+00 | -.5769E+00 | .1490E+02 | .1229E+02 | .1020E+02 | .5295E+01 | .1318E+01 | -.3839E+00 | D10084.BIS |
| 10.00 | 1.333 | 0.750 | .4732E+01 | .6212E+00 | -.4020E+00 | .1360E+02 | .1130E+02 | .7982E+01 | .4975E+01 | .1532E+01 | -.2562E+00 | D10084.BIS |
| 11.00 | 1.429 | 0.786 | .4082E+01 | .3466E+00 | -.1736E+00 | .1270E+02 | .1036E+02 | .8128E+01 | .3957E+01 | .2267E+01 | -.7046E+00 | D10084.BIS |
| 12.00 | 1.524 | 0.821 | .4324E+01 | .6218E+00 | -.5322E+00 | .1190E+02 | .1084E+02 | .7992E+01 | .4562E+01 | .1362E+01 | -.7982E+00 | D10084.BIS |
| 13.00 | 1.619 | 0.857 | .3975E+01 | .5640E+00 | -.4711E+00 | .1140E+02 | .8816E+01 | .7501E+01 | .3452E+01 | .1610E+01 | -.7062E+00 | D10084.BIS |
| 14.00 | 1.714 | 0.893 | .4299E+01 | .5914E+00 | -.5170E+00 | .1120E+02 | .9724E+01 | .7171E+01 | .4166E+01 | .1091E+01 | -.3093E+00 | D10084.BIS |
| 15.00 | 1.810 | 0.928 | .4500E+01 | .6999E+00 | -.4437E+00 | .9990E+01 | .9171E+01 | .6389E+01 | .3891E+01 | .1170E+01 | .9582E-01 | D10084.BIS |
| 16.00 | 1.905 | 0.964 | .4188E+01 | .5638E+00 | -.3176E+00 | .9620E+01 | .8928E+01 | .6171E+01 | .3359E+01 | .1660E+01 | .1590E+00 | D10084.BIS |
| 17.00 | 2.000 | 1.000 | .4911E+01 | .8832E+00 | -.4657E+00 | .1030E+02 | .1039E+02 | .6500E+01 | .4288E+01 | .1360E+01 | .1199E+00 | D10084.BIS |
| 18.00 | 2.095 | 1.036 | .3692E+01 | .4196E+00 | -.1689E+00 | .8260E+01 | .7445E+01 | .5270E+01 | .3009E+01 | .1370E+01 | -.3326E+00 | D10084.BIS |
| 19.00 | 2.191 | 1.071 | .4636E+01 | .7982E+00 | -.3356E+00 | .8250E+01 | .8146E+01 | .5440E+01 | .3230E+01 | .1290E+01 | -.4502E-02 | D10084.BIS |
| 0.20 | 0.400 | 0.600 | .3017E+02 | -.4777E+00 | .4300E-01 | .2980E+00 | .3609E+00 | .3080E+00 | .2321E+00 | -.6397E-01 | .9357E-01 | D10094.BIS |
| 1.00 | 0.475 | 0.642 | .2384E+02 | .7557E+00 | .3772E+00 | .1530E+02 | .1546E+02 | .1100E+02 | .6612E+01 | .7817E+00 | -.5842E+00 | D10094.BIS |
| 2.00 | 0.571 | 0.696 | .1407E+02 | .7616E+00 | -.1219E+00 | .3020E+02 | .5564E+02 | .1890E+02 | .1279E+02 | .3847E+01 | .1692E+01 | D10094.BIS |
| 3.00 | 0.666 | 0.750 | .8379E+01 | .1152E+00 | .1718E+00 | .2670E+02 | .3029E+02 | .1710E+02 | .9019E+01 | .6350E+01 | .5014E+00 | D10094.BIS |
| 4.00 | 0.762 | 0.803 | .7281E+01 | .4749E+00 | -.6098E+00 | .1920E+02 | .2318E+02 | .1210E+02 | .6381E+01 | .2509E+01 | -.5373E+00 | D10094.BIS |
| 5.00 | 0.857 | 0.857 | .6059E+01 | .6687E+00 | -.4133E+00 | .1770E+02 | .1604E+02 | .1060E+02 | .6230E+01 | .2069E+01 | -.8532E+00 | D10094.BIS |
| 6.00 | 0.952 | 0.910 | .4971E+01 | .6436E+00 | -.4641E+00 | .1440E+02 | .1288E+02 | .9329E+01 | .3970E+01 | .2349E+01 | -.7665E+00 | D10094.BIS |
| 7.00 | 1.047 | 0.964 | .4339E+01 | .4234E+00 | -.3269E+00 | .1300E+02 | .1103E+02 | .7988E+01 | .3945E+01 | .2249E+01 | -.8526E+00 | D10094.BIS |
| 8.00 | 1.143 | 1.018 | .4104E+01 | .6078E+00 | -.3750E+00 | .1120E+02 | .1024E+02 | .7268E+01 | .3462E+01 | .2207E+01 | -.6993E+00 | D10094.BIS |
| 9.00 | 1.238 | 1.071 | .3927E+01 | .7291E+00 | -.6100E+00 | .1090E+02 | .9420E+01 | .6851E+01 | .3596E+01 | .2022E+01 | -.3584E+00 | D10094.BIS |
| 10.00 | 1.333 | 1.125 | .3267E+01 | .5997E+00 | -.5094E+00 | .1010E+02 | .8354E+01 | .6140E+01 | .3450E+01 | .1600E+01 | -.5564E+00 | D10094.BIS |
| 11.00 | 1.428 | 1.178 | .3253E+01 | .5494E+00 | -.5470E+00 | .9689E+01 | .8244E+01 | .5720E+01 | .2820E+01 | .1310E+01 | -.6838E+00 | D10094.BIS |
| 12.00 | 1.524 | 1.232 | .3279E+01 | .4683E+00 | -.3062E+00 | .8360E+01 | .9107E+01 | .5440E+01 | .2950E+01 | .1530E+01 | .7345E-01 | D10094.BIS |
| 13.00 | 1.619 | 1.285 | .3953E+01 | .7504E+00 | -.4986E+00 | .9149E+01 | .1100E+02 | .5110E+01 | .3549E+01 | .1200E+01 | .1528E-01 | D10094.BIS |
| 14.00 | 1.714 | 1.339 | .3516E+01 | .6830E+00 | -.3122E+00 | .8520E+01 | .9200E+01 | .4891E+01 | .3230E+01 | .1320E+01 | .3205E+00 | D10094.BIS |
| 15.00 | 1.809 | 1.393 | .3547E+01 | .6442E+00 | -.3068E+00 | .8691E+01 | .1071E+02 | .5000E+01 | .3382E+01 | .1280E+01 | .3371E-01 | D10094.BIS |
| 16.00 | 1.905 | 1.446 | .3767E+01 | .7684E+00 | -.3097E+00 | .7790E+01 | .1109E+02 | .4960E+01 | .3220E+01 | .1190E+01 | .2615E+00 | D10094.BIS |
| 17.00 | 2.000 | 1.500 | .4072E+01 | .9505E+00 | -.2481E+00 | .8460E+01 | .9898E+01 | .4919E+01 | .3379E+01 | .1350E+01 | .2660E+00 | D10094.BIS |
| 18.00 | 2.095 | 1.553 | .3956E+01 | .8455E+00 | -.2896E+00 | .7990E+01 | .8806E+01 | .4990E+01 | .2910E+01 | .1390E+01 | -.1548E-01 | D10094.BIS |
| 19.00 | 2.190 | 1.607 | .3929E+01 | .8340E+00 | -.2701E+00 | .7939E+01 | .8630E+01 | .4580E+01 | .3217E+01 | .1540E+01 | .3118E+00 | D10094.BIS |
| 0.20 | 0.399 | 0.800 | .3043E+02 | -.6917E+00 | -.9398E-02 | .6770E-01 | .1494E+00 | .1001E+00 | -.1818E-01 | .1150E-01 | -.3252E-01 | D10104.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | 0.476 | 0.857 | .2050E+02 | -.5747E-01 | .1764E+00 | .2630E+02 | .3323E+02 | .2270E+02 | .9599E+01 | .6360E+01 | .9857E-01 | D10104.BIS |
| 2.00 | 0.571 | 0.928 | .7007E+01 | .1001E+01 | -.1548E+00 | .3020E+02 | .4451E+02 | .1860E+02 | .1439E+02 | .3549E+01 | .2154E+01 | D10104.BIS |
| 3.00 | 0.666 | 1.000 | .5501E+01 | .1061E+01 | -.3472E+00 | .2050E+02 | .2412E+02 | .1290E+02 | .6650E+01 | .5445E+01 | .9846E+00 | D10104.BIS |
| 4.00 | 0.762 | 1.071 | .3783E+01 | .5282E+00 | -.1201E+00 | .1510E+02 | .1447E+02 | .9260E+01 | .4657E+01 | .2930E+01 | .1733E+00 | D10104.BIS |
| 5.00 | 0.857 | 1.143 | .2884E+01 | .6063E+00 | -.5255E+00 | .1190E+02 | .9697E+01 | .6990E+01 | .4027E+01 | .2310E+01 | -.6460E-01 | D10104.BIS |
| 6.00 | 0.952 | 1.214 | .2534E+01 | .5007E+00 | -.4793E+00 | .9770E+01 | .8136E+01 | .5710E+01 | .3290E+01 | .1660E+01 | -.3457E-01 | D10104.BIS |
| 7.00 | 1.048 | 1.285 | .2029E+01 | .2338E+00 | -.2011E+00 | .8290E+01 | .7404E+01 | .5159E+01 | .2619E+01 | .1280E+01 | -.3929E+00 | D10104.BIS |
| 8.00 | 1.143 | 1.357 | .1935E+01 | .3168E+00 | -.2535E+00 | .7890E+01 | .6627E+01 | .4720E+01 | .2698E+01 | .1170E+01 | .1093E+00 | D10104.BIS |
| 9.00 | 1.238 | 1.428 | .2339E+01 | .3942E+00 | -.3728E+00 | .8880E+01 | .7423E+01 | .4740E+01 | .3420E+01 | .9568E+00 | .1716E-01 | D10104.BIS |
| 10.00 | 1.333 | 1.500 | .2103E+01 | .3993E+00 | -.3057E+00 | .7750E+01 | .6813E+01 | .4430E+01 | .2809E+01 | .1070E+01 | .5686E-01 | D10104.BIS |
| 11.00 | 1.429 | 1.571 | .2778E+01 | .6153E+00 | -.4057E+00 | .9290E+01 | .8389E+01 | .4940E+01 | .3650E+01 | .1550E+01 | .4395E+00 | D10104.BIS |
| 12.00 | 1.524 | 1.642 | .2029E+01 | .3688E+00 | -.3647E+00 | .8029E+01 | .7799E+01 | .4540E+01 | .2748E+01 | .1490E+01 | .2656E+00 | D10104.BIS |
| 13.00 | 1.619 | 1.714 | .2116E+01 | .3435E+00 | -.3122E+00 | .7570E+01 | .7739E+01 | .4440E+01 | .2411E+01 | .1370E+01 | .4363E-01 | D10104.BIS |
| 14.00 | 1.714 | 1.786 | .2390E+01 | .4979E+00 | -.2560E+00 | .8520E+01 | .8708E+01 | .4790E+01 | .3079E+01 | .1670E+01 | .3031E+00 | D10104.BIS |
| 15.00 | 1.809 | 1.857 | .2026E+01 | .3019E+00 | -.1343E+00 | .6840E+01 | .7401E+01 | .4460E+01 | .2419E+01 | .1390E+01 | .2910E+00 | D10104.BIS |
| 16.00 | 1.905 | 1.928 | .2137E+01 | .3958E+00 | -.1254E+00 | .6480E+01 | .7786E+01 | .4471E+01 | .2500E+01 | .1420E+01 | .3797E+00 | D10104.BIS |
| 17.00 | 2.000 | 2.000 | .2122E+01 | .3744E+00 | -.4921E-01 | .7140E+01 | .1190E+02 | .3841E+01 | .3380E+01 | .1380E+01 | .9537E+00 | D10104.BIS |
| 18.00 | 2.095 | 2.071 | .2240E+01 | .3215E+00 | -.1059E-01 | .7590E+01 | .1761E+02 | .4520E+01 | .4801E+01 | .2130E+01 | .2991E+01 | D10104.BIS |
| 19.00 | 2.190 | 2.142 | .2458E+01 | .4893E+00 | -.3555E-01 | .7171E+01 | .1690E+02 | .4100E+01 | .4460E+01 | .1970E+01 | .2310E+01 | D10104.BIS |
| 0.20 | 0.402 | 1.000 | .9644E+01 | .1054E+01 | .2237E+00 | .5609E+01 | .6258E+01 | .3619E+00 | .1598E+01 | .1249E+00 | .7018E+00 | D10114.BIS |
| 1.00 | 0.475 | 1.071 | .2196E+01 | .6643E+00 | -.4666E+00 | .1090E+02 | .1988E+02 | .7358E+01 | .4823E+01 | .3098E+01 | .2604E+01 | D10114.BIS |
| 2.00 | 0.571 | 1.161 | .1324E+01 | .5260E+00 | -.6970E+00 | .6950E+01 | .8072E+01 | .3989E+01 | .2549E+01 | .1350E+01 | .1425E+00 | D10114.BIS |
| 3.00 | 0.666 | 1.250 | .1561E+01 | .6792E+00 | -.4931E+00 | .6709E+01 | .7040E+01 | .4000E+01 | .2409E+01 | .1640E+01 | .7361E+00 | D10114.BIS |
| 4.00 | 0.762 | 1.339 | .1429E+01 | .5159E+00 | -.3691E+00 | .6060E+01 | .5976E+01 | .3539E+01 | .1970E+01 | .1630E+01 | .5543E+00 | D10114.BIS |
| 5.00 | 0.857 | 1.429 | .1236E+01 | .3130E+00 | -.1972E+00 | .5450E+01 | .5669E+01 | .3350E+01 | .1601E+01 | .1260E+01 | .6068E+00 | D10114.BIS |
| 6.00 | 0.952 | 1.518 | .1201E+01 | .3998E+00 | -.3278E+00 | .4920E+01 | .5920E+01 | .2970E+01 | .1901E+01 | .1190E+01 | .6828E+00 | D10114.BIS |
| 7.00 | 1.048 | 1.607 | .1137E+01 | .2908E+00 | -.3138E+00 | .4610E+01 | .6694E+01 | .2800E+01 | .1892E+01 | .1200E+01 | .6338E+00 | D10114.BIS |
| 8.00 | 1.143 | 1.696 | .1220E+01 | .2369E+00 | -.1670E+00 | .5309E+01 | .1049E+02 | .3050E+01 | .3128E+01 | .1310E+01 | .1440E+01 | D10114.BIS |
| 9.00 | 1.238 | 1.785 | .1451E+01 | .3828E+00 | -.2519E+00 | .5750E+01 | .1050E+02 | .3330E+01 | .3100E+01 | .1430E+01 | .1440E+01 | D10114.BIS |
| 10.00 | 1.333 | 1.875 | .1385E+01 | .4380E+00 | -.2427E+00 | .6100E+01 | .1170E+02 | .3290E+01 | .3129E+01 | .1170E+01 | .1360E+01 | D10114.BIS |
| 11.00 | 1.429 | 1.964 | .1591E+01 | .4430E+00 | -.2819E+00 | .6819E+01 | .1100E+02 | .3280E+01 | .3300E+01 | .1330E+01 | .1510E+01 | D10114.BIS |
| 12.00 | 1.524 | 2.053 | .1655E+01 | .4215E+00 | -.1284E+00 | .7050E+01 | .1080E+02 | .3379E+01 | .3251E+01 | .1360E+01 | .1448E+01 | D10114.BIS |
| 13.00 | 1.619 | 2.142 | .1692E+01 | .4113E+00 | -.1032E+00 | .6070E+01 | .1130E+02 | .3520E+01 | .3221E+01 | .1210E+01 | .1721E+01 | D10114.BIS |
| 14.00 | 1.714 | 2.232 | .1808E+01 | .4166E+00 | -.7661E-01 | .6780E+01 | .1040E+02 | .3470E+01 | .3251E+01 | .1600E+01 | .1429E+01 | D10114.BIS |
| 15.00 | 1.810 | 2.321 | .2203E+01 | .6307E+00 | -.1688E+00 | .6600E+01 | .1139E+02 | .3760E+01 | .3208E+01 | .1760E+01 | .1869E+01 | D10114.BIS |
| 16.00 | 1.905 | 2.410 | .2064E+01 | .5090E+00 | -.9910E-01 | .6301E+01 | .1201E+02 | .3750E+01 | .3053E+01 | .1610E+01 | .1589E+01 | D10114.BIS |
| 17.00 | 2.000 | 2.500 | .2298E+01 | .4515E+00 | .1623E-02 | .6010E+01 | .9806E+01 | .3490E+01 | .2662E+01 | .1290E+01 | .1101E+01 | D10114.BIS |
| 18.00 | 2.095 | 2.589 | .1829E+01 | .3474E+00 | -.1280E+00 | .5480E+01 | .7649E+01 | .3071E+01 | .2050E+01 | .1170E+01 | .9229E+00 | D10114.BIS |
| 19.00 | 2.190 | 2.678 | .1692E+01 | .2077E+00 | .3762E-01 | .5530E+01 | .1050E+02 | .2990E+01 | .2389E+01 | .1230E+01 | .1330E+01 | D10114.BIS |
| 0.20 | 0.500 | -0.200 | .1765E+01 | -.1189E+00 | .2594E+00 | .2000E+00 | .2243E+00 | .1530E+00 | .1285E-01 | .7276E-02 | -.2315E-01 | D11054.BIS |
| 1.00 | 0.595 | -0.214 | .5804E+01 | .2700E+00 | .4105E+00 | .2450E+02 | .2380E+02 | .1490E+02 | .1123E+02 | .1433E+01 | -.9557E+00 | D11054.BIS |
| 2.00 | 0.714 | -0.232 | .5817E+01 | .8517E-01 | .7834E-01 | .1860E+02 | .3083E+02 | .1230E+02 | .9245E+01 | -.6879E-01 | .2845E+01 | D11054.BIS |
| 3.00 | 0.833 | -0.250 | .5570E+01 | -.7720E-02 | -.1986E+00 | .1680E+02 | .1958E+02 | .1020E+02 | .8184E+01 | -.1232E+01 | .1385E+01 | D11054.BIS |
| 4.00 | 0.952 | -0.268 | .5334E+01 | .1005E+00 | -.2844E+00 | .1480E+02 | .1727E+02 | .8777E+01 | .7143E+01 | -.1561E+01 | .6982E+00 | D11054.BIS |
| 5.00 | 1.072 | -0.286 | .4989E+01 | .1491E+00 | -.6165E+00 | .1300E+02 | .1471E+02 | .7279E+01 | .5681E+01 | -.1518E+01 | .7596E+00 | D11054.BIS |
| 6.00 | 1.190 | -0.304 | .4510E+01 | .3980E+00 | -.2191E+00 | .1310E+02 | .1390E+02 | .7318E+01 | .5400E+01 | -.9193E+00 | .8480E+00 | D11054.BIS |
| 7.00 | 1.309 | -0.322 | .4199E+01 | .1507E+00 | -.2437E+00 | .1210E+02 | .1200E+02 | .6989E+01 | .4870E+01 | -.1980E+01 | -.3950E+00 | D11054.BIS |
| 8.00 | 1.428 | -0.339 | .3894E+01 | .2204E+00 | -.3907E+00 | .1300E+02 | .1261E+02 | .6221E+01 | .5351E+01 | -.1721E+01 | -.1888E+00 | D11054.BIS |
| 9.00 | 1.548 | -0.357 | .3555E+01 | .1343E+00 | -.2898E+00 | .1110E+02 | .1010E+02 | .5982E+01 | .4840E+01 | -.1602E+01 | -.5848E+00 | D11054.BIS |
| 10.00 | 1.667 | -0.375 | .3173E+01 | .2278E+00 | -.9895E-01 | .1030E+02 | .9992E+01 | .5370E+01 | .4240E+01 | -.1020E+01 | -.6408E-01 | D11054.BIS |
| 11.00 | 1.786 | -0.393 | .3384E+01 | .2538E+00 | -.3101E+00 | .1140E+02 | .1110E+02 | .5740E+01 | .5030E+01 | -.8320E+00 | -.4816E-01 | D11054.BIS |
| 12.00 | 1.904 | -0.411 | .3310E+01 | .2282E+00 | -.1579E+00 | .1030E+02 | .1191E+02 | .4580E+01 | .4561E+01 | -.6981E+00 | .2079E-01 | D11054.BIS |
| 13.00 | 2.023 | -0.429 | .3496E+01 | .2845E+00 | -.3233E+00 | .1100E+02 | .1220E+02 | .5120E+01 | .4870E+01 | -.5176E+00 | .2220E+00 | D11054.BIS |
| 14.00 | 2.143 | -0.447 | .3372E+01 | .2548E+00 | -.3349E+00 | .9611E+01 | .1011E+02 | .4510E+01 | .4343E+01 | -.6808E+00 | -.2819E+00 | D11054.BIS |
| 15.00 | 2.262 | -0.465 | .3117E+01 | .2213E+00 | -.2747E+00 | .9440E+01 | .9596E+01 | .4440E+01 | .3971E+01 | -.1697E+00 | .2066E+00 | D11054.BIS |
| 16.00 | 2.381 | -0.482 | .3201E+01 | .2642E+00 | -.1561E+00 | .8340E+01 | .9555E+01 | .4349E+01 | .3800E+01 | -.5130E+00 | .4429E-01 | D11054.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 2.500 | -0.500 | .3359E+01 | .3560E+00 | -.2629E+00 | .7479E+01 | .9650E+01 | .4430E+01 | .3719E+01 | -.2634E+00 | .2521E+00 | D11054.BIS |
| 18.00 | 2.619 | -0.518 | .3183E+01 | .2870E+00 | -.2078E+00 | .7660E+01 | .9315E+01 | .4240E+01 | .3350E+01 | -.8814E-01 | .1498E+00 | D11054.BIS |
| 19.00 | 2.738 | -0.536 | .3314E+01 | .3422E+00 | -.1629E+00 | .6890E+01 | .6849E+01 | .3989E+01 | .2789E+01 | -.3029E+00 | .2438E-01 | D11054.BIS |
| 0.20 | 0.501 | -0.001 | .1353E+01 | -.1247E+00 | .6864E-01 | .6850E-01 | .8758E-01 | .7070E-01 | .7741E-03 | .1728E-02 | -.1022E-01 | D11064.BIS |
| 1.00 | 0.595 | -0.002 | .5637E+01 | .8056E+00 | -.1399E+00 | .3020E+02 | .2781E+02 | .1560E+02 | .1441E+02 | .1893E+01 | .3179E+00 | D11064.BIS |
| 2.00 | 0.713 | -0.002 | .6767E+01 | .3782E+00 | -.9197E-01 | .2150E+02 | .3902E+02 | .1580E+02 | .1229E+02 | -.2178E+00 | .2869E+01 | D11064.BIS |
| 3.00 | 0.833 | -0.002 | .7374E+01 | .7235E+00 | -.3683E+00 | .2040E+02 | .2825E+02 | .1470E+02 | .9996E+01 | -.9879E+00 | .1470E+01 | D11064.BIS |
| 4.00 | 0.952 | 0.000 | .7050E+01 | .7293E+00 | -.6395E+00 | .2330E+02 | .2350E+02 | .1250E+02 | .9934E+01 | -.1600E+01 | .1014E+01 | D11064.BIS |
| 5.00 | 1.072 | 0.000 | .6770E+01 | .7963E+00 | -.4119E+00 | .2200E+02 | .1953E+02 | .1190E+02 | .9833E+01 | -.1088E+01 | .5914E+00 | D11064.BIS |
| 6.00 | 1.190 | -0.001 | .5853E+01 | .6412E+00 | -.6750E+00 | .2020E+02 | .1732E+02 | .1030E+02 | .8881E+01 | -.9554E+00 | -.1942E+00 | D11064.BIS |
| 7.00 | 1.309 | -0.001 | .5196E+01 | .5009E+00 | -.6911E+00 | .1720E+02 | .1472E+02 | .9809E+01 | .7543E+01 | -.2499E+00 | .3094E+00 | D11064.BIS |
| 8.00 | 1.428 | -0.001 | .4651E+01 | .3775E+00 | -.4317E+00 | .1630E+02 | .1238E+02 | .9151E+01 | .5996E+01 | -.7369E-02 | .3533E+00 | D11064.BIS |
| 9.00 | 1.548 | -0.001 | .4245E+01 | .4012E+00 | -.5101E+00 | .1450E+02 | .1141E+02 | .7562E+01 | .5983E+01 | -.7604E+00 | .4441E-01 | D11064.BIS |
| 10.00 | 1.667 | -0.001 | .3957E+01 | .2586E+00 | -.3806E+00 | .1370E+02 | .1053E+02 | .6722E+01 | .5679E+01 | -.1094E+00 | .5260E-01 | D11064.BIS |
| 11.00 | 1.786 | -0.001 | .3472E+01 | .1155E+00 | -.1105E+00 | .1130E+02 | .9553E+01 | .6639E+01 | .4630E+01 | -.1452E+00 | -.1431E-01 | D11064.BIS |
| 12.00 | 1.904 | -0.001 | .3427E+01 | .1482E+00 | .9392E-02 | .1140E+02 | .9997E+01 | .6130E+01 | .4400E+01 | -.6350E+00 | .1125E-01 | D11064.BIS |
| 13.00 | 2.023 | -0.001 | .3301E+01 | .1028E+00 | -.4451E+00 | .9959E+01 | .1010E+02 | .5890E+01 | .4039E+01 | -.4033E+00 | .2331E-01 | D11064.BIS |
| 14.00 | 2.143 | -0.002 | .3205E+01 | .2035E+00 | -.3119E+00 | .9430E+01 | .7977E+01 | .5790E+01 | .3819E+01 | -.3499E+00 | -.4350E+00 | D11064.BIS |
| 15.00 | 2.262 | -0.002 | .3123E+01 | .7967E-01 | -.2222E+00 | .9250E+01 | .8968E+01 | .4810E+01 | .4270E+01 | -.7796E-01 | .2130E-01 | D11064.BIS |
| 16.00 | 2.381 | -0.002 | .3251E+01 | .1076E+00 | -.1623E+00 | .9011E+01 | .9913E+01 | .4850E+01 | .3912E+01 | -.1994E+00 | .3915E+00 | D11064.BIS |
| 17.00 | 2.500 | -0.002 | .3166E+01 | .1657E+00 | -.2809E+00 | .8460E+01 | .9324E+01 | .4590E+01 | .3649E+01 | -.2422E+00 | .3339E+00 | D11064.BIS |
| 18.00 | 2.619 | 0.000 | .3239E+01 | .1661E+00 | -.3527E+00 | .7551E+01 | .9675E+01 | .4190E+01 | .3281E+01 | -.7953E-01 | .1069E+00 | D11064.BIS |
| 19.00 | 2.738 | 0.000 | .3061E+01 | .2033E+00 | -.3969E-02 | .7540E+01 | .7135E+01 | .4380E+01 | .2811E+01 | .1070E+00 | .1217E+00 | D11064.BIS |
| 0.20 | 0.500 | 0.200 | .1529E+01 | -.8190E-01 | .3501E-01 | .2890E+00 | .6118E+00 | .2480E+00 | .3202E+00 | .1230E+00 | .2731E+00 | D11074.BIS |
| 1.00 | 0.594 | 0.214 | .6395E+01 | .1042E+01 | -.5265E-01 | .2620E+02 | .2321E+02 | .1390E+02 | .1201E+02 | -.5997E+00 | -.3377E+01 | D11074.BIS |
| 2.00 | 0.714 | 0.232 | .6856E+01 | .3207E+00 | -.9998E-01 | .2070E+02 | .3455E+02 | .1270E+02 | .1029E+02 | .4642E+00 | .2273E+01 | D11074.BIS |
| 3.00 | 0.833 | 0.250 | .8232E+01 | .8777E+00 | -.3123E+00 | .1800E+02 | .2619E+02 | .1170E+02 | .8855E+01 | -.5589E+00 | .1345E+01 | D11074.BIS |
| 4.00 | 0.952 | 0.268 | .6917E+01 | .5554E+00 | -.2051E+00 | .1790E+02 | .2122E+02 | .9912E+01 | .7850E+01 | .1029E+01 | .1069E+01 | D11074.BIS |
| 5.00 | 1.072 | 0.285 | .6679E+01 | .6960E+00 | .2908E-01 | .1280E+02 | .1916E+02 | .8907E+01 | .6472E+01 | .1107E+01 | .1479E+01 | D11074.BIS |
| 6.00 | 1.191 | 0.303 | .5764E+01 | .5785E+00 | .1820E+00 | .1520E+02 | .1781E+02 | .8283E+01 | .7402E+01 | .6401E+00 | .1053E+01 | D11074.BIS |
| 7.00 | 1.309 | 0.321 | .4833E+01 | .3531E+00 | -.2750E+00 | .1230E+02 | .1218E+02 | .7268E+01 | .4776E+01 | .1359E+01 | .7044E+00 | D11074.BIS |
| 8.00 | 1.428 | 0.339 | .4459E+01 | .4308E+00 | -.9989E-01 | .1420E+02 | .1382E+02 | .7708E+01 | .6316E+01 | .1917E+01 | .7000E+00 | D11074.BIS |
| 9.00 | 1.548 | 0.357 | .4418E+01 | .5239E+00 | .8326E-01 | .1140E+02 | .1209E+02 | .6201E+01 | .5137E+01 | .1050E+01 | .3197E+00 | D11074.BIS |
| 10.00 | 1.667 | 0.375 | .3721E+01 | .2797E+00 | .7609E-01 | .1030E+02 | .1039E+02 | .5580E+01 | .3891E+01 | .6359E+00 | .4096E+00 | D11074.BIS |
| 11.00 | 1.786 | 0.393 | .3633E+01 | .3787E+00 | -.6522E-01 | .1030E+02 | .1210E+02 | .5360E+01 | .4520E+01 | .1360E+01 | .6662E+00 | D11074.BIS |
| 12.00 | 1.904 | 0.410 | .3552E+01 | .4387E+00 | -.6581E+00 | .8100E+01 | .7902E+01 | .4850E+01 | .3060E+01 | .8078E+00 | .3258E+00 | D11074.BIS |
| 13.00 | 2.023 | 0.429 | .3246E+01 | .4150E+00 | -.1260E+00 | .9740E+01 | .1010E+02 | .5150E+01 | .4081E+01 | .1050E+01 | .9260E+00 | D11074.BIS |
| 14.00 | 2.143 | 0.446 | .3308E+01 | .4130E+00 | -.4181E+00 | .8420E+01 | .7638E+01 | .4790E+01 | .3021E+01 | .6199E+00 | .1017E+00 | D11074.BIS |
| 15.00 | 2.262 | 0.464 | .3445E+01 | .5205E+00 | -.2076E+00 | .7620E+01 | .9146E+01 | .4740E+01 | .3281E+01 | .4225E+00 | .4625E+00 | D11074.BIS |
| 16.00 | 2.381 | 0.482 | .3128E+01 | .4700E+00 | -.3488E+00 | .8911E+01 | .8731E+01 | .4780E+01 | .3691E+01 | .7399E+00 | .5008E+00 | D11074.BIS |
| 17.00 | 2.500 | 0.500 | .2813E+01 | .4335E+00 | .8386E-01 | .8311E+01 | .8672E+01 | .4620E+01 | .3690E+01 | -.3690E+01 | .4458E+00 | D11074.BIS |
| 18.00 | 2.619 | 0.517 | .3256E+01 | .5122E+00 | -.3865E-01 | .7199E+01 | .7492E+01 | .4100E+01 | .2927E+01 | .1182E+00 | .7716E-01 | D11074.BIS |
| 19.00 | 2.738 | 0.535 | .2837E+01 | .4158E+00 | .6514E-01 | .6429E+01 | .7071E+01 | .4340E+01 | .2429E+01 | .6220E+00 | .2483E+00 | D11074.BIS |
| 0.20 | 0.500 | 0.400 | .1821E+01 | -.6454E-01 | -.3835E-01 | .2510E+00 | .3040E+00 | .1650E+00 | .1459E+00 | .7690E-01 | .9616E-01 | D11084.BIS |
| 1.00 | 0.595 | 0.428 | .7410E+01 | .1343E+01 | -.1226E+00 | .2640E+02 | .2210E+02 | .1680E+02 | .1328E+02 | -.2628E+01 | -.1560E+01 | D11084.BIS |
| 2.00 | 0.714 | 0.464 | .9346E+01 | .1312E+01 | -.2461E+00 | .2320E+02 | .2119E+02 | .1530E+02 | .1028E+02 | -.5651E+00 | -.1458E+01 | D11084.BIS |
| 3.00 | 0.833 | 0.500 | .7494E+01 | .7878E+00 | -.5524E-01 | .1880E+02 | .2843E+02 | .1170E+02 | .8699E+01 | .1869E+01 | .1090E+01 | D11084.BIS |
| 4.00 | 0.952 | 0.535 | .5871E+01 | .3427E+00 | .2029E+00 | .1590E+02 | .1897E+02 | .9088E+01 | .6523E+01 | .2212E+01 | .9920E+00 | D11084.BIS |
| 5.00 | 1.072 | 0.571 | .4560E+01 | .3555E+00 | -.3337E-01 | .1260E+02 | .1229E+02 | .7359E+01 | .4479E+01 | .1420E+01 | .3254E+00 | D11084.BIS |
| 6.00 | 1.190 | 0.607 | .4230E+01 | .3422E+00 | -.3606E+00 | .1130E+02 | .9810E+01 | .6310E+01 | .4370E+01 | .9487E+00 | -.1901E+00 | D11084.BIS |
| 7.00 | 1.309 | 0.643 | .4127E+01 | .3608E+00 | .5862E-02 | .1070E+02 | .1027E+02 | .6619E+01 | .4325E+01 | .1539E+01 | .3977E+00 | D11084.BIS |
| 8.00 | 1.428 | 0.678 | .3239E+01 | .1258E+00 | -.1770E+00 | .9370E+01 | .8963E+01 | .5080E+01 | .3699E+01 | .9248E+00 | -.1069E+00 | D11084.BIS |
| 9.00 | 1.548 | 0.714 | .3272E+01 | .3531E+00 | -.1099E+00 | .8490E+01 | .8478E+01 | .5280E+01 | .2999E+01 | .1230E+01 | .6123E+00 | D11084.BIS |
| 10.00 | 1.667 | 0.750 | .2730E+01 | .2358E+00 | -.9092E-01 | .9341E+01 | .7951E+01 | .4560E+01 | .3333E+01 | .1330E+01 | .6516E+00 | D11084.BIS |
| 11.00 | 1.786 | 0.785 | .2476E+01 | .2376E+00 | -.7484E-01 | .8910E+01 | .8204E+01 | .4910E+01 | .3391E+01 | .1270E+01 | .4200E+00 | D11084.BIS |
| 12.00 | 1.904 | 0.821 | .2391E+01 | .1160E+00 | -.1109E+00 | .7740E+01 | .8133E+01 | .4570E+01 | .2931E+01 | .1400E+01 | .5054E+00 | D11084.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 13.00 | 2.023 | 0.857 | .2358E+01 | .3376E+00 | -.2933E+00 | .8159E+01 | .6440E+01 | .4170E+01 | .3118E+01 | .1040E+01 | .3700E+00 | D11084.BIS |
| 14.00 | 2.143 | 0.893 | .2353E+01 | .2005E+00 | -.1532E+00 | .6830E+01 | .6932E+01 | .4050E+01 | .3120E+01 | .7111E+00 | .2638E+00 | D11084.BIS |
| 15.00 | 2.262 | 0.928 | .2379E+01 | .3087E+00 | -.1364E+00 | .7410E+01 | .7190E+01 | .4010E+01 | .2789E+01 | .7148E+00 | -.2578E-01 | D11084.BIS |
| 16.00 | 2.381 | 0.964 | .2229E+01 | .2744E+00 | -.2259E+00 | .7161E+01 | .6386E+01 | .3920E+01 | .2770E+01 | .4498E+00 | -.1009E+00 | D11084.BIS |
| 17.00 | 2.500 | 1.000 | .2454E+01 | .3576E+00 | -.1955E+00 | .7371E+01 | .7623E+01 | .3930E+01 | .3291E+01 | .8029E+00 | .3492E+00 | D11084.BIS |
| 18.00 | 2.619 | 1.036 | .2699E+01 | .4621E+00 | -.2726E+00 | .6550E+01 | .6621E+01 | .3910E+01 | .2661E+01 | .7110E+00 | .1513E+00 | D11084.BIS |
| 19.00 | 2.738 | 1.071 | .2840E+01 | .4705E+00 | -.4020E+00 | .6450E+01 | .6073E+01 | .3560E+01 | .2700E+01 | .4714E+00 | -.2904E-01 | D11084.BIS |
| 0.20 | 0.499 | 0.600 | .1792E+01 | -.7809E-01 | -.1049E+00 | .3560E+00 | .5452E+00 | .2480E+00 | .2720E+00 | .1630E+00 | .2459E+00 | D11094.BIS |
| 1.00 | 0.595 | 0.643 | .7054E+01 | .1450E+01 | -.9566E+00 | .2320E+02 | .1964E+02 | .1430E+02 | .1179E+02 | -.1991E+01 | -.1613E+01 | D11094.BIS |
| 2.00 | 0.714 | 0.696 | .5299E+01 | .1273E+00 | .1319E-01 | .1890E+02 | .2889E+02 | .1090E+02 | .8304E+01 | .4640E+01 | .2945E+01 | D11094.BIS |
| 3.00 | 0.833 | 0.750 | .3941E+01 | -.1476E+00 | .1457E+00 | .1380E+02 | .1559E+02 | .8862E+01 | .4518E+01 | .2932E+01 | .4556E+00 | D11094.BIS |
| 4.00 | 0.953 | 0.803 | .3246E+01 | -.9272E-01 | .1428E+00 | .1170E+02 | .1281E+02 | .7350E+01 | .3130E+01 | .2649E+01 | .9554E+00 | D11094.BIS |
| 5.00 | 1.072 | 0.857 | .2844E+01 | .1594E+00 | -.2485E+00 | .9389E+01 | .9094E+01 | .5610E+01 | .2901E+01 | .1450E+01 | .2634E-01 | D11094.BIS |
| 6.00 | 1.190 | 0.910 | .2938E+01 | .3636E+00 | -.5957E+00 | .9080E+01 | .8629E+01 | .4810E+01 | .3471E+01 | .1160E+01 | .6000E+00 | D11094.BIS |
| 7.00 | 1.309 | 0.964 | .2634E+01 | .1471E+00 | -.8294E-01 | .7900E+01 | .8094E+01 | .4590E+01 | .2741E+01 | .1430E+01 | .2371E+00 | D11094.BIS |
| 8.00 | 1.428 | 1.018 | .2150E+01 | .4072E-01 | -.1110E-01 | .9579E+01 | .7102E+01 | .4790E+01 | .2369E+01 | .1510E+01 | .2721E+00 | D11094.BIS |
| 9.00 | 1.548 | 1.071 | .1926E+01 | -.9760E-02 | .1007E+00 | .7230E+01 | .6886E+01 | .4181E+01 | .2229E+01 | .1340E+01 | .4539E+00 | D11094.BIS |
| 10.00 | 1.667 | 1.125 | .1840E+01 | .2589E+00 | -.2561E+00 | .6670E+01 | .6427E+01 | .3739E+01 | .2489E+01 | .6660E+00 | .1279E+00 | D11094.BIS |
| 11.00 | 1.786 | 1.178 | .1719E+01 | .8065E-01 | -.8637E-01 | .7240E+01 | .7974E+01 | .3850E+01 | .2968E+01 | .1210E+01 | .6359E+00 | D11094.BIS |
| 12.00 | 1.904 | 1.232 | .2113E+01 | .4278E+00 | -.5120E+00 | .6920E+01 | .7754E+01 | .3490E+01 | .2741E+01 | .8330E+00 | .3209E+00 | D11094.BIS |
| 13.00 | 2.023 | 1.285 | .1558E+01 | .1771E+00 | -.2032E+00 | .5520E+01 | .5332E+01 | .3370E+01 | .1968E+01 | .7619E+00 | .6207E-01 | D11094.BIS |
| 14.00 | 2.143 | 1.339 | .1883E+01 | .2108E+00 | -.2167E+00 | .6271E+01 | .6277E+01 | .3250E+01 | .2312E+01 | .8101E+00 | .5067E+00 | D11094.BIS |
| 15.00 | 2.262 | 1.393 | .1816E+01 | .2939E+00 | -.4037E+00 | .6190E+01 | .7874E+01 | .3280E+01 | .2940E+01 | .8703E+00 | .6669E+00 | D11094.BIS |
| 16.00 | 2.381 | 1.446 | .2123E+01 | .5034E+00 | -.5135E+00 | .5980E+01 | .6843E+01 | .3150E+01 | .2290E+01 | .6900E+00 | .4003E+00 | D11094.BIS |
| 17.00 | 2.500 | 1.500 | .1436E+01 | .9012E-01 | -.8329E-01 | .6700E+01 | .6729E+01 | .3440E+01 | .2389E+01 | .1310E+01 | .5591E+00 | D11094.BIS |
| 18.00 | 2.619 | 1.553 | .1659E+01 | .5651E-01 | .4009E-01 | .6540E+01 | .5999E+01 | .2980E+01 | .2240E+01 | .8392E+00 | .8172E-01 | D11094.BIS |
| 19.00 | 2.738 | 1.607 | .1798E+01 | .1539E+00 | .5788E-01 | .5890E+01 | .5582E+01 | .3470E+01 | .2049E+01 | .9057E+00 | .2928E+00 | D11094.BIS |
| 0.20 | 0.499 | 0.800 | .2010E+01 | -.8047E-01 | -.4736E-01 | .6400E+00 | .6042E+00 | .2250E+00 | .3181E+00 | .1250E+00 | .1912E+00 | D11104.BIS |
| 1.00 | 0.595 | 0.857 | .3539E+01 | .4642E-01 | .2603E-01 | .1630E+02 | .3231E+02 | .1180E+02 | .8251E+01 | .3580E+01 | .4303E+01 | D11104.BIS |
| 2.00 | 0.714 | 0.928 | .2283E+01 | .2828E+00 | -.4518E+00 | .1280E+02 | .1783E+02 | .7101E+01 | .5227E+01 | .1741E+01 | .1874E+01 | D11104.BIS |
| 3.00 | 0.833 | 1.000 | .2193E+01 | .2116E+00 | -.1260E+00 | .1120E+02 | .1350E+02 | .5979E+01 | .5160E+01 | .1570E+01 | .1399E+01 | D11104.BIS |
| 4.00 | 0.952 | 1.071 | .1776E+01 | .3096E+00 | -.2227E+00 | .9281E+01 | .1341E+02 | .4290E+01 | .4601E+01 | .1440E+01 | .1462E+01 | D11104.BIS |
| 5.00 | 1.072 | 1.143 | .1464E+01 | .1208E+00 | -.1138E+00 | .8150E+01 | .1021E+02 | .4010E+01 | .3692E+01 | .1500E+01 | .1301E+01 | D11104.BIS |
| 6.00 | 1.190 | 1.214 | .1135E+01 | .9111E-01 | -.9503E-01 | .6229E+01 | .6938E+01 | .3340E+01 | .2608E+01 | .1150E+01 | .7582E+00 | D11104.BIS |
| 7.00 | 1.309 | 1.286 | .1039E+01 | .6024E-02 | -.1350E+00 | .5640E+01 | .6850E+01 | .3190E+01 | .2278E+01 | .1190E+01 | .7622E+00 | D11104.BIS |
| 8.00 | 1.428 | 1.357 | .1056E+01 | .7588E-01 | -.2310E+00 | .5050E+01 | .9997E+01 | .2989E+01 | .2790E+01 | .1070E+01 | .1429E+01 | D11104.BIS |
| 9.00 | 1.548 | 1.429 | .1185E+01 | .2781E+00 | -.3829E+00 | .5630E+01 | .5659E+01 | .3110E+01 | .2149E+01 | .1070E+01 | .7611E+00 | D11104.BIS |
| 10.00 | 1.667 | 1.500 | .1263E+01 | .2420E+00 | -.3450E+00 | .5450E+01 | .1170E+02 | .2940E+01 | .3040E+01 | .9413E+00 | .1290E+01 | D11104.BIS |
| 11.00 | 1.786 | 1.571 | .1295E+01 | .3011E+00 | -.4453E+00 | .5200E+01 | .1160E+02 | .2840E+01 | .3400E+01 | .1050E+01 | .1670E+01 | D11104.BIS |
| 12.00 | 1.904 | 1.643 | .9170E+00 | .1029E+00 | -.2300E+00 | .4380E+01 | .4623E+01 | .2880E+01 | .1727E+01 | .8160E+00 | .5551E+00 | D11104.BIS |
| 13.00 | 2.023 | 1.714 | .1292E+01 | .3729E+00 | -.3910E+00 | .5120E+01 | .1049E+02 | .2700E+01 | .3298E+01 | .7767E+00 | .1519E+01 | D11104.BIS |
| 14.00 | 2.143 | 1.785 | .1202E+01 | .2251E+00 | -.2801E+00 | .5210E+01 | .5535E+01 | .2860E+01 | .2578E+01 | .1190E+01 | .1049E+01 | D11104.BIS |
| 15.00 | 2.262 | 1.857 | .1154E+01 | .1830E+00 | -.2390E+00 | .5240E+01 | .1020E+02 | .2929E+01 | .2930E+01 | .8118E+00 | .1379E+01 | D11104.BIS |
| 16.00 | 2.381 | 1.928 | .1393E+01 | .2710E+00 | -.2079E+00 | .5250E+01 | .9840E+01 | .2801E+01 | .2920E+01 | .1080E+01 | .1442E+01 | D11104.BIS |
| 17.00 | 2.500 | 2.000 | .1164E+01 | .3528E+00 | -.4477E+00 | .4430E+01 | .4639E+01 | .2560E+01 | .1822E+01 | .8973E+00 | .4685E+00 | D11104.BIS |
| 18.00 | 2.619 | 2.071 | .1269E+01 | .1821E+00 | -.2081E+00 | .4500E+01 | .4643E+01 | .2740E+01 | .1832E+01 | .8379E+00 | .6298E+00 | D11104.BIS |
| 19.00 | 2.738 | 2.142 | .1179E+01 | .2441E+00 | -.2370E+00 | .5030E+01 | .1130E+02 | .2500E+01 | .2960E+01 | .1040E+01 | .1282E+01 | D11104.BIS |
| 0.20 | 0.499 | 1.000 | .6030E+00 | .3340E+00 | -.5940E+00 | .1040E+01 | .1423E+01 | .1010E+01 | .5214E+00 | .3999E+00 | .4021E+00 | D11114.BIS |
| 1.00 | 0.595 | 1.071 | .4542E+00 | -.1591E+00 | -.1001E+01 | .7880E+00 | .1022E+01 | .8530E+00 | -.1297E+00 | .2231E-01 | -.4717E-01 | D11114.BIS |
| 2.00 | 0.714 | 1.161 | .8927E+00 | .9787E-01 | -.7316E+00 | .1030E+02 | .1601E+02 | .5241E+01 | .5035E+01 | .3052E+01 | .2914E+01 | D11114.BIS |
| 3.00 | 0.833 | 1.250 | .7160E+00 | .2798E-01 | -.5650E+00 | .6010E+01 | .1351E+02 | .3860E+01 | .2700E+01 | .1030E+01 | .1462E+01 | D11114.BIS |
| 4.00 | 0.952 | 1.339 | .6880E+00 | .1359E+00 | -.5450E+00 | .5590E+01 | .5710E+01 | .3610E+01 | .2145E+01 | .9737E+00 | .9339E+00 | D11114.BIS |
| 5.00 | 1.072 | 1.429 | .5630E+00 | .5200E-01 | -.5420E+00 | .3760E+01 | .3905E+01 | .2890E+01 | .1180E+01 | .5108E+00 | .4666E+00 | D11114.BIS |
| 6.00 | 1.190 | 1.518 | .6770E+00 | .2060E+00 | -.6640E+00 | .3980E+01 | .3937E+01 | .2590E+01 | .1927E+01 | .3070E+00 | .1738E+00 | D11114.BIS |
| 7.00 | 1.309 | 1.607 | .5830E+00 | .1140E+00 | -.5890E+00 | .4050E+01 | .4188E+01 | .2660E+01 | .1951E+01 | .6241E+00 | .7978E+00 | D11114.BIS |
| 8.00 | 1.428 | 1.696 | .6370E+00 | .1380E+00 | -.5720E+00 | .4100E+01 | .3903E+01 | .2540E+01 | .1627E+01 | .3588E+00 | .3131E+00 | D11114.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 9.00 | 1.548 | 1.785 | .6590E+00 | .2060E+00 | -.5990E+00 | .4000E+01 | .3957E+01 | .2520E+01 | .1848E+01 | .5012E+00 | .7243E+00 | D11114.BIS |
| 10.00 | 1.667 | 1.874 | .6841E+00 | .1151E+00 | -.4680E+00 | .3800E+01 | .3731E+01 | .2690E+01 | .1434E+01 | .3839E+00 | .5181E+00 | D11114.BIS |
| 11.00 | 1.786 | 1.964 | .6660E+00 | .8493E-01 | -.4630E+00 | .3970E+01 | .3968E+01 | .2460E+01 | .1669E+01 | .3778E+00 | -.4928E-01 | D11114.BIS |
| 12.00 | 1.904 | 2.053 | .6860E+00 | .1480E+00 | -.4680E+00 | .4090E+01 | .4006E+01 | .2440E+01 | .1829E+01 | .4939E+00 | .4518E+00 | D11114.BIS |
| 13.00 | 2.024 | 2.142 | .8600E+00 | .1501E+00 | -.4540E+00 | .4480E+01 | .4249E+01 | .2730E+01 | .1456E+01 | .3869E+00 | .1901E+00 | D11114.BIS |
| 14.00 | 2.143 | 2.232 | .8130E+00 | .8192E-01 | -.3650E+00 | .4190E+01 | .4086E+01 | .2540E+01 | .1376E+01 | .5519E+00 | .3794E+00 | D11114.BIS |
| 15.00 | 2.262 | 2.321 | .8080E+00 | .1528E+00 | -.4280E+00 | .4040E+01 | .4028E+01 | .2720E+01 | .1749E+01 | .4198E+00 | .3828E+00 | D11114.BIS |
| 16.00 | 2.381 | 2.410 | .6539E+00 | .6476E-01 | -.3710E+00 | .3860E+01 | .3948E+01 | .2620E+01 | .1761E+01 | .4611E+00 | .3595E+00 | D11114.BIS |
| 17.00 | 2.500 | 2.500 | .7510E+00 | .6902E-01 | -.3300E+00 | .4180E+01 | .4299E+01 | .2670E+01 | .1014E+01 | .4138E+00 | -.1800E+00 | D11114.BIS |
| 18.00 | 2.619 | 2.589 | .8070E+00 | .7989E-01 | -.2560E+00 | .4430E+01 | .4679E+01 | .2890E+01 | .2365E+01 | .6751E+00 | .8176E+00 | D11114.BIS |
| 19.00 | 2.738 | 2.678 | .7600E+00 | .4600E-01 | -.2510E+00 | .4020E+01 | .4040E+01 | .2780E+01 | .1591E+01 | .5601E+00 | .7456E+00 | D11114.BIS |
| 0.20 | 0.000 | 1.199 | .9882E+00 | -.1621E+01 | -.3695E+00 | .1293E+00 | .1551E+01 | .1133E+00 | .2558E+00 | -.3203E-01 | -.2777E+00 | D06128.BIS |
| 1.00 | 0.000 | 1.286 | .5641E+00 | -.1669E+01 | -.4789E+00 | .2938E+00 | .1383E+01 | .3059E+00 | .3199E+00 | -.7097E-01 | -.3221E+00 | D06128.BIS |
| 2.00 | 0.000 | 1.392 | .6069E+00 | -.1704E+01 | -.3082E+00 | .6491E+00 | .1341E+01 | .7395E+00 | .4052E+00 | .3896E-02 | -.2377E+00 | D06128.BIS |
| 3.00 | 0.000 | 1.500 | .6954E+00 | -.1699E+01 | -.2960E+00 | .8246E+00 | .1394E+01 | .9541E+00 | .3846E+00 | .8568E-02 | -.2142E+00 | D06128.BIS |
| 4.00 | 0.000 | 1.607 | .8719E+00 | -.1401E+01 | -.2539E+00 | .1388E+01 | .1509E+01 | .1197E+01 | .3401E+00 | .1792E+00 | -.1686E+00 | D06128.BIS |
| 5.00 | 0.000 | 1.714 | .1073E+01 | -.1343E+01 | -.2327E+00 | .1875E+01 | .1721E+01 | .1388E+01 | .3875E+00 | .3530E+00 | -.1705E+00 | D06128.BIS |
| 6.00 | 0.000 | 1.821 | .1271E+01 | -.1382E+01 | -.2115E+00 | .2445E+01 | .1809E+01 | .1646E+01 | .4265E+00 | .4717E+00 | .1354E-01 | D06128.BIS |
| 7.00 | 0.000 | 1.928 | .1682E+01 | -.1222E+01 | -.1218E+00 | .3614E+01 | .2221E+01 | .1988E+01 | .5030E+00 | .7432E+00 | .1518E+00 | D06128.BIS |
| 8.00 | 0.000 | 2.035 | .2034E+01 | -.1201E+01 | -.1207E-01 | .3979E+01 | .2373E+01 | .2353E+01 | .4635E+00 | .8882E+00 | .1786E+00 | D06128.BIS |
| 9.00 | 0.000 | 2.143 | .2063E+01 | -.1131E+01 | .2241E-01 | .4451E+01 | .2713E+01 | .2412E+01 | .7232E+00 | .1097E+01 | .9739E-01 | D06128.BIS |
| 10.00 | 0.000 | 2.250 | .2110E+01 | -.1071E+01 | -.2526E-01 | .4337E+01 | .2478E+01 | .2326E+01 | .5252E+00 | .1057E+01 | .1340E+00 | D06128.BIS |
| 11.00 | 0.000 | 2.357 | .2267E+01 | -.1048E+01 | .4665E-01 | .4264E+01 | .2752E+01 | .2512E+01 | .7301E+00 | .9277E+00 | .1496E+00 | D06128.BIS |
| 12.00 | 0.000 | 2.464 | .2713E+01 | -.8234E+00 | .8449E-01 | .5181E+01 | .2928E+01 | .2791E+01 | .6233E+00 | .1175E+01 | .2722E+00 | D06128.BIS |
| 13.00 | 0.000 | 2.571 | .2540E+01 | -.1063E+01 | .1690E+00 | .4633E+01 | .2542E+01 | .2561E+01 | .6847E+00 | .1201E+01 | .2602E+00 | D06128.BIS |
| 14.00 | 0.000 | 2.678 | .2460E+01 | -.1055E+01 | .7373E-01 | .4265E+01 | .2623E+01 | .2423E+01 | .5118E+00 | .9623E+00 | .8312E-01 | D06128.BIS |
| 15.00 | 0.000 | 2.785 | .2216E+01 | -.1091E+01 | .1146E+00 | .4176E+01 | .2691E+01 | .2176E+01 | .5375E+00 | .9116E+00 | -.3531E-01 | D06128.BIS |
| 16.00 | 0.000 | 2.892 | .2654E+01 | -.8399E+00 | .9382E-01 | .4425E+01 | .3003E+01 | .2368E+01 | .6749E+00 | .8413E+00 | .1943E-01 | D06128.BIS |
| 17.00 | 0.000 | 2.999 | .2229E+01 | -.9358E+00 | .4123E-01 | .3646E+01 | .2531E+01 | .2153E+01 | .5382E+00 | .7538E+00 | -.3022E-01 | D06128.BIS |
| 18.00 | 0.000 | 3.107 | .2220E+01 | -.9756E+00 | .2879E-02 | .3763E+01 | .2521E+01 | .2081E+01 | .5884E+00 | .8530E+00 | -.3885E-01 | D06128.BIS |
| 19.00 | 0.000 | 3.214 | .2288E+01 | -.1090E+01 | .4795E-01 | .3738E+01 | .2344E+01 | .2153E+01 | .6427E+00 | .7684E+00 | .2139E+00 | D06128.BIS |
| 20.00 | 0.000 | 3.321 | .2636E+01 | -.9222E+00 | .1421E+00 | .3977E+01 | .2545E+01 | .2443E+01 | .6468E+00 | .8236E+00 | .2094E+00 | D06128.BIS |
| 0.20 | 0.600 | -0.001 | .1261E+01 | -.1621E+01 | .1530E+00 | .9255E-01 | .8627E+00 | .1383E+00 | .1725E+00 | -.8804E-02 | -.1755E+00 | D12068.BIS |
| 1.00 | 0.714 | -0.001 | .1005E+01 | -.1882E+01 | .5409E+00 | .2536E+01 | .2952E+01 | .1209E+01 | .6539E+00 | .2922E-01 | -.4126E+00 | D12068.BIS |
| 2.00 | 0.857 | -0.001 | .2259E+01 | -.1391E+01 | .4676E+00 | .6409E+01 | .7193E+01 | .3945E+01 | .1798E+01 | .7645E+00 | .9072E+00 | D12068.BIS |
| 3.00 | 1.000 | -0.001 | .2565E+01 | -.1219E+01 | .2359E+00 | .7141E+01 | .6144E+01 | .3903E+01 | .2061E+01 | .5261E+00 | .5678E+00 | D12068.BIS |
| 4.00 | 1.143 | 0.000 | .2758E+01 | -.1291E+01 | .3516E+00 | .7997E+01 | .6606E+01 | .3842E+01 | .2480E+01 | .3070E+00 | .5817E+00 | D12068.BIS |
| 5.00 | 1.285 | 0.000 | .2216E+01 | -.1311E+01 | .4268E-01 | .5976E+01 | .5707E+01 | .2846E+01 | .1788E+01 | .4367E-01 | .3630E+00 | D12068.BIS |
| 6.00 | 1.428 | -0.001 | .1665E+01 | -.1444E+01 | .4788E-01 | .4517E+01 | .4975E+01 | .2340E+01 | .1024E+01 | -.2951E-01 | .3471E+00 | D12068.BIS |
| 7.00 | 1.572 | -0.001 | .1370E+01 | -.1439E+01 | .9658E-02 | .3486E+01 | .4297E+01 | .1954E+01 | .8869E+00 | -.1067E+00 | .2230E+00 | D12068.BIS |
| 8.00 | 1.714 | -0.001 | .1081E+01 | -.1460E+01 | .2293E-01 | .2512E+01 | .3633E+01 | .1368E+01 | .4867E+00 | -.6002E-01 | .2385E+00 | D12068.BIS |
| 9.00 | 1.858 | 0.000 | .7953E+00 | -.1548E+01 | -.1548E-01 | .1896E+01 | .3758E+01 | .1086E+01 | .2436E+00 | -.1136E+00 | .1823E+00 | D12068.BIS |
| 10.00 | 2.000 | 0.000 | .6823E+00 | -.1467E+01 | .4288E-01 | .1634E+01 | .3104E+01 | .8664E+00 | .2296E+00 | -.1335E-01 | .1379E+00 | D12068.BIS |
| 11.00 | 2.144 | -0.001 | .7686E+00 | -.1484E+01 | -.1127E+00 | .1541E+01 | .3036E+01 | .8764E+00 | .2609E+00 | -.4291E-01 | .1195E+00 | D12068.BIS |
| 12.00 | 2.285 | -0.001 | .6886E+00 | -.1505E+01 | -.1025E+00 | .1303E+01 | .2955E+01 | .8315E+00 | .1250E+00 | -.1411E+00 | .1298E+00 | D12068.BIS |
| 13.00 | 2.428 | -0.001 | .6802E+00 | -.1544E+01 | .2181E-01 | .1262E+01 | .2983E+01 | .7082E+00 | .1592E+00 | -.8445E-01 | .9462E-01 | D12068.BIS |
| 14.00 | 2.572 | 0.000 | .6974E+00 | -.1442E+01 | -.1081E+00 | .1365E+01 | .3213E+01 | .7858E+00 | .1921E+00 | -.1546E+00 | .8735E-01 | D12068.BIS |
| 15.00 | 2.714 | 0.000 | .8764E+00 | -.1411E+01 | -.2283E+00 | .1537E+01 | .3380E+01 | .9489E+00 | .2724E+00 | -.1976E+00 | .1871E+00 | D12068.BIS |
| 16.00 | 2.858 | -0.001 | .8804E+00 | -.1291E+01 | -.1965E+00 | .1521E+01 | .3051E+01 | .8853E+00 | .1844E+00 | -.1678E+00 | .8815E-01 | D12068.BIS |
| 17.00 | 3.000 | -0.001 | .8901E+00 | -.1342E+01 | -.2103E+00 | .1651E+01 | .3023E+01 | .1016E+01 | .1798E+00 | -.1778E+00 | .1233E+00 | D12068.BIS |
| 18.00 | 3.143 | 0.000 | .9870E+00 | -.1301E+01 | -.2374E+00 | .1699E+01 | .3945E+01 | .9604E+00 | .2981E+00 | -.1733E+00 | .1375E+00 | D12068.BIS |
| 19.00 | 3.285 | 0.000 | .8838E+00 | -.1269E+01 | -.1840E+00 | .1486E+01 | .2974E+01 | .8312E+00 | .1511E+00 | -.2229E+00 | .9473E-01 | D12068.BIS |
| 20.00 | 3.428 | -0.001 | .8704E+00 | -.1306E+01 | -.1611E+00 | .1395E+01 | .3194E+01 | .8619E+00 | .2180E+00 | -.2209E+00 | .1134E+00 | D12068.BIS |
| 0.20 | 0.599 | 1.199 | .8466E+00 | -.1687E+01 | .1614E+00 | .9515E-01 | .1427E+01 | .9136E-01 | .2133E+00 | -.1882E-01 | -.2370E+00 | D12128.BIS |
| 1.00 | 0.713 | 1.285 | .4896E+00 | -.1666E+01 | -.3809E-01 | .1071E+00 | .1186E+01 | .9594E-01 | .1922E+00 | -.2271E-01 | -.2237E+00 | D12128.BIS |
| 2.00 | 0.858 | 1.392 | .3352E+00 | -.1639E+01 | -.1647E-01 | .1165E+00 | .1301E+01 | .9271E-01 | .2002E+00 | -.2081E-01 | -.2401E+00 | D12128.BIS |

TABLE 3
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 3.00 | 1.000 | 1.500 | .3234E+00 | -.1622E+01 | .7321E-01 | .1153E+00 | .1126E+01 | .9874E-01 | .1971E+00 | -.2528E-01 | -.2147E+00 | D12128.BIS |
| 4.00 | 1.144 | 1.607 | .2689E+00 | -.1580E+01 | .9495E-01 | .1156E+00 | .1072E+01 | .1066E+00 | .1860E+00 | -.1404E-01 | -.2061E+00 | D12128.BIS |
| 5.00 | 1.285 | 1.714 | .3554E+00 | -.1443E+01 | -.4762E-02 | .1102E+00 | .8856E+00 | .1037E+00 | .1652E+00 | -.2319E-01 | -.1848E+00 | D12128.BIS |
| 6.00 | 1.428 | 1.821 | .3277E+00 | -.1509E+01 | -.6525E-02 | .1172E+00 | .6982E+00 | .9713E-01 | .1388E+00 | -.2220E-01 | -.1549E+00 | D12128.BIS |
| 7.00 | 1.572 | 1.928 | .4006E+00 | -.1374E+01 | -.2765E-01 | .1142E+00 | .7525E+00 | .9934E-01 | .1364E+00 | -.2652E-01 | -.1750E+00 | D12128.BIS |
| 8.00 | 1.714 | 2.035 | .3365E+00 | -.1383E+01 | .2541E-01 | .1180E+00 | .8330E+00 | .1043E+00 | .1636E+00 | -.3012E-01 | -.1795E+00 | D12128.BIS |
| 9.00 | 1.858 | 2.142 | .3878E+00 | -.1295E+01 | -.1530E-01 | .1074E+00 | .6019E+00 | .1086E+00 | .1269E+00 | -.2100E-01 | -.1388E+00 | D12128.BIS |
| 10.00 | 2.000 | 2.250 | .4339E+00 | -.1342E+01 | -.9990E-02 | .1085E+00 | .6695E+00 | .9927E-01 | .1327E+00 | -.1930E-01 | -.1497E+00 | D12128.BIS |
| 11.00 | 2.143 | 2.357 | .4172E+00 | -.1400E+01 | -.3705E-02 | .1181E+00 | .5927E+00 | .9690E-01 | .1112E+00 | -.1190E-01 | -.1417E+00 | D12128.BIS |
| 12.00 | 2.285 | 2.464 | .4140E+00 | -.1302E+01 | -.1130E-01 | .1265E+00 | .7907E+00 | .1086E+00 | .1545E+00 | -.2979E-01 | -.1785E+00 | D12128.BIS |
| 13.00 | 2.428 | 2.571 | .4001E+00 | -.1190E+01 | .1256E-02 | .1267E+00 | .6993E+00 | .9783E-01 | .1475E+00 | -.2123E-01 | -.1493E+00 | D12128.BIS |
| 14.00 | 2.572 | 2.678 | .4071E+00 | -.1285E+01 | .2405E-01 | .1289E+00 | .8439E+00 | .9770E-01 | .1557E+00 | -.1724E-01 | -.1795E+00 | D12128.BIS |
| 15.00 | 2.714 | 2.785 | .4217E+00 | -.1245E+01 | .1924E-01 | .1255E+00 | .8255E+00 | .1039E+00 | .1562E+00 | -.2465E-01 | -.1816E+00 | D12128.BIS |
| 16.00 | 2.858 | 2.892 | .4070E+00 | -.1214E+01 | .2719E-01 | .1241E+00 | .8588E+00 | .1069E+00 | .1597E+00 | -.1983E-01 | -.1853E+00 | D12128.BIS |
| 17.00 | 3.000 | 2.999 | .4307E+00 | -.1286E+01 | .3581E-01 | .1293E+00 | .9056E+00 | .1015E+00 | .1724E+00 | -.1508E-01 | -.1814E+00 | D12128.BIS |
| 18.00 | 3.143 | 3.107 | .3975E+00 | -.1160E+01 | .1202E-01 | .1143E+00 | .9102E+00 | .9817E-01 | .1499E+00 | -.1508E-01 | -.1951E+00 | D12128.BIS |
| 19.00 | 3.285 | 3.214 | .4096E+00 | -.1241E+01 | .5720E-01 | .1326E+00 | .8887E+00 | .1110E+00 | .1813E+00 | -.2360E-01 | -.1816E+00 | D12128.BIS |
| 20.00 | 3.428 | 3.321 | .3808E+00 | -.1258E+01 | .6347E-01 | .1348E+00 | .7937E+00 | .1020E+00 | .1697E+00 | -.2220E-01 | -.1611E+00 | D12128.BIS |

TABLE 4
1x4 Ratio Nozzle Mach# = .09 Wfv Data

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | -0.356 | 0.000 | .4544E+01 | -.7859E+00 | .5408E-01 | .1800E+02 | .1837E+02 | .1413E+02 | -.6676E+01 | .5273E+00 | -.3703E+00 | D0106B.BIS |
| 5.00 | -0.893 | -0.001 | .4712E+01 | -.8041E+00 | -.2420E+00 | .9080E+01 | .6214E+01 | .6156E+01 | -.2593E+01 | .1486E+00 | -.4995E+00 | D0106B.BIS |
| 9.00 | -1.428 | 0.000 | .3527E+01 | -.6443E+00 | -.2300E+00 | .6360E+01 | .4536E+01 | .4479E+01 | -.1730E+01 | .1866E+00 | -.1485E+00 | D0106B.BIS |
| 13.00 | -1.964 | -0.001 | .3388E+01 | -.6468E+00 | -.3420E+00 | .5020E+01 | .3426E+01 | .3518E+01 | -.1390E+01 | .1657E+00 | -.1714E-02 | D0106B.BIS |
| 17.00 | -2.499 | 0.000 | .2893E+01 | -.4821E+00 | -.3962E+00 | .3660E+01 | .2576E+01 | .2326E+01 | -.1132E+01 | .3248E+00 | -.7943E-01 | D0106B.BIS |
| 1.00 | -0.286 | 0.000 | .1309E+02 | -.1013E+01 | .3057E+00 | .3700E+02 | .3762E+02 | .2451E+02 | -.1757E+02 | .2229E+01 | .1530E+01 | D0206B.BIS |
| 5.00 | -0.713 | -0.001 | .9629E+01 | -.1238E+01 | -.3508E+00 | .1720E+02 | .9399E+01 | .1141E+02 | -.5262E+01 | .2073E+00 | -.5963E+00 | D0206B.BIS |
| 9.00 | -1.143 | 0.000 | .6599E+01 | -.9020E+00 | -.1775E+00 | .1080E+02 | .6468E+01 | .7786E+01 | -.3311E+01 | .3357E+00 | -.7872E-01 | D0206B.BIS |
| 13.00 | -1.572 | -0.001 | .5496E+01 | -.8793E+00 | -.1855E+00 | .7060E+01 | .4829E+01 | .5244E+01 | -.2172E+01 | .4687E+00 | -.3116E+00 | D0206B.BIS |
| 17.00 | -1.999 | 0.000 | .4662E+01 | -.7032E+00 | -.1396E+00 | .5210E+01 | .3730E+01 | .3855E+01 | -.1526E+01 | .2982E+00 | -.7875E-01 | D0206B.BIS |
| 1.00 | -0.214 | 0.000 | .2686E+02 | -.1103E+01 | -.2509E+00 | .1570E+02 | .1425E+02 | .7787E+01 | -.6542E+01 | .6104E+00 | .9278E-01 | D0306B.BIS |
| 5.00 | -0.536 | -0.001 | .1235E+02 | -.1022E+01 | .1656E-01 | .2050E+02 | .1076E+02 | .1390E+02 | -.6463E+01 | .6359E-02 | -.1091E+01 | D0306B.BIS |
| 9.00 | -0.859 | 0.000 | .9256E+01 | -.9282E+00 | .1167E+00 | .1380E+02 | .8134E+01 | .9804E+01 | -.4501E+01 | .4966E+00 | -.7945E+00 | D0306B.BIS |
| 13.00 | -1.180 | -0.001 | .7674E+01 | -.8625E+00 | .6682E-01 | .9880E+01 | .6092E+01 | .7179E+01 | -.3010E+01 | .3849E+00 | -.1495E+00 | D0306B.BIS |
| 17.00 | -1.500 | 0.000 | .6648E+01 | -.8418E+00 | .1168E+00 | .6580E+01 | .4515E+01 | .5248E+01 | -.1944E+01 | .1732E+00 | -.4033E-01 | D0306B.BIS |
| 1.00 | -0.143 | 0.000 | .3003E+02 | -.3865E+00 | -.3103E+00 | .2150E+01 | .1873E+01 | .7160E+00 | -.6888E-02 | -.1316E+00 | -.5478E+00 | D0406B.BIS |
| 5.00 | -0.358 | -0.001 | .1808E+02 | -.9497E+00 | .8997E-01 | .2250E+02 | .1163E+02 | .1438E+02 | -.7407E+01 | -.2473E+00 | -.4382E+00 | D0406B.BIS |
| 9.00 | -0.572 | 0.000 | .1375E+02 | -.8017E+00 | .2029E+00 | .1990E+02 | .1031E+02 | .1078E+02 | -.6276E+01 | -.2728E+00 | -.3018E+00 | D0406B.BIS |
| 13.00 | -0.786 | -0.001 | .1095E+02 | -.6445E+00 | .1587E+00 | .1290E+02 | .7439E+01 | .8063E+01 | -.3810E+01 | .3093E+00 | -.3046E+00 | D0406B.BIS |
| 17.00 | -1.000 | 0.000 | .9093E+01 | -.5734E+00 | .1644E+00 | .8370E+01 | .5207E+01 | .5671E+01 | -.2186E+01 | .6050E-01 | -.1656E-01 | D0406B.BIS |
| 0.20 | -0.050 | -0.200 | .3015E+02 | -.3676E+00 | -.3041E+00 | .3700E+00 | .1351E+00 | .5634E-01 | -.2642E-02 | .1245E-01 | -.3988E-01 | D0505B.BIS |
| 2.00 | -0.098 | -0.233 | .2838E+02 | -.5287E+00 | -.3184E+00 | .8970E+01 | .8418E+01 | .4825E+01 | -.3976E+01 | .3385E+00 | -.6233E+00 | D0505B.BIS |
| 3.00 | -0.124 | -0.250 | .2544E+02 | -.7692E+00 | .6828E-01 | .2050E+02 | .1134E+02 | .1059E+02 | -.6784E+01 | .1728E+01 | -.7069E+00 | D0505B.BIS |
| 4.00 | -0.153 | -0.268 | .2391E+02 | -.9530E+00 | .9844E-01 | .2230E+02 | .1157E+02 | .1235E+02 | -.7197E+01 | .1055E+01 | -.1150E+00 | D0505B.BIS |
| 5.00 | -0.179 | -0.286 | .2270E+02 | -.1070E+01 | .2021E-01 | .2020E+02 | .1128E+02 | .1124E+02 | -.5883E+01 | .8587E+00 | -.1592E+00 | D0505B.BIS |
| 6.00 | -0.205 | -0.304 | .2138E+02 | -.1013E+01 | .2356E-01 | .1950E+02 | .1186E+02 | .1079E+02 | -.5479E+01 | -.6237E-01 | -.2885E+00 | D0505B.BIS |
| 7.00 | -0.232 | -0.322 | .1987E+02 | -.7314E+00 | -.7199E-01 | .1920E+02 | .1059E+02 | .1011E+02 | -.4653E+01 | -.1568E+01 | -.2711E+00 | D0505B.BIS |
| 8.00 | -0.259 | -0.340 | .1837E+02 | -.6694E+00 | -.1092E+00 | .1730E+02 | .1030E+02 | .9254E+01 | -.4509E+01 | -.1689E+01 | -.7368E+00 | D0505B.BIS |
| 9.00 | -0.286 | -0.358 | .1685E+02 | -.7317E+00 | -.1153E+00 | .1780E+02 | .9914E+01 | .8279E+01 | -.4073E+01 | -.1955E+01 | -.6769E+00 | D0505B.BIS |
| 10.00 | -0.312 | -0.375 | .1612E+02 | -.7250E+00 | -.1539E+00 | .1600E+02 | .9093E+01 | .8189E+01 | -.2817E+01 | -.1973E+01 | -.7604E+00 | D0505B.BIS |
| 11.00 | -0.340 | -0.394 | .1519E+02 | -.7198E+00 | -.1901E+00 | .1530E+02 | .9057E+01 | .7790E+01 | -.3077E+01 | -.2152E+01 | -.4564E+00 | D0505B.BIS |
| 12.00 | -0.367 | -0.411 | .1433E+02 | -.7663E+00 | -.1492E+00 | .1350E+02 | .8007E+01 | .6969E+01 | -.2516E+01 | -.2000E+01 | -.7659E+00 | D0505B.BIS |
| 13.00 | -0.393 | -0.429 | .1346E+02 | -.7035E+00 | -.5733E-01 | .1260E+02 | .7573E+01 | .6676E+01 | -.2299E+01 | -.1874E+01 | -.7649E+00 | D0505B.BIS |
| 14.00 | -0.419 | -0.447 | .1271E+02 | -.6897E+00 | -.1470E+00 | .1170E+02 | .7046E+01 | .6303E+01 | -.1902E+01 | -.1928E+01 | -.5935E+00 | D0505B.BIS |
| 15.00 | -0.447 | -0.465 | .1203E+02 | -.7462E+00 | -.6462E-01 | .1110E+02 | .6424E+01 | .6034E+01 | -.1459E+01 | -.1724E+01 | -.7947E+00 | D0505B.BIS |
| 16.00 | -0.474 | -0.483 | .1124E+02 | -.7721E+00 | -.6271E-01 | .1020E+02 | .6130E+01 | .5482E+01 | -.1493E+01 | -.1578E+01 | -.4708E+00 | D0505B.BIS |
| 17.00 | -0.500 | -0.501 | .1095E+02 | -.7362E+00 | -.1029E+00 | .9600E+01 | .5502E+01 | .4948E+01 | -.1275E+01 | -.1654E+01 | -.2200E+00 | D0505B.BIS |
| 18.00 | -0.526 | -0.519 | .1035E+02 | -.7184E+00 | -.1299E+00 | .8490E+01 | .4994E+01 | .4640E+01 | -.1380E+01 | -.1454E+01 | -.3453E+00 | D0505B.BIS |
| 19.00 | -0.554 | -0.537 | .9753E+01 | -.8341E+00 | -.1719E+00 | .7830E+01 | .5266E+01 | .4296E+01 | -.1492E+01 | -.1331E+01 | -.1991E+00 | D0505B.BIS |
| 0.20 | -0.050 | 0.000 | .3022E+02 | -.2488E+00 | .1018E+00 | .1900E+00 | .8286E-01 | .1133E+00 | -.7927E-02 | .6395E-02 | .4967E-01 | D0506B.BIS |
| 2.00 | -0.098 | -0.001 | .2917E+02 | -.1583E+00 | -.1145E-01 | .7240E+01 | .4212E+01 | .3448E+01 | -.2937E+01 | -.3628E+00 | -.5665E+00 | D0506B.BIS |
| 3.00 | -0.124 | -0.001 | .2614E+02 | -.2397E+00 | -.8128E-01 | .1540E+02 | .1004E+02 | .8739E+01 | -.5855E+01 | .6821E-01 | -.2334E+00 | D0506B.BIS |
| 4.00 | -0.153 | -0.001 | .2425E+02 | -.2243E+00 | .2449E-01 | .1930E+02 | .1041E+02 | .1098E+02 | -.5988E+01 | -.1928E+00 | -.9109E-01 | D0506B.BIS |
| 5.00 | -0.179 | 0.000 | .2348E+02 | -.5474E+00 | .1534E+00 | .1810E+02 | .9394E+01 | .1045E+02 | -.5142E+01 | -.7670E+00 | -.2948E+00 | D0506B.BIS |
| 6.00 | -0.205 | 0.000 | .2218E+02 | -.4629E+00 | .9217E-02 | .1850E+02 | .9786E+01 | .1048E+02 | -.4600E+01 | -.3422E+00 | -.5498E-01 | D0506B.BIS |
| 7.00 | -0.232 | -0.001 | .2134E+02 | -.5120E+00 | .8942E-01 | .1640E+02 | .9395E+01 | .9688E+01 | -.4330E+01 | -.5173E+00 | .8636E-01 | D0506B.BIS |
| 8.00 | -0.260 | -0.001 | .2005E+02 | -.4149E+00 | .9358E-01 | .1790E+02 | .1007E+02 | .9521E+01 | -.4952E+01 | -.4352E+00 | -.4621E-01 | D0506B.BIS |
| 9.00 | -0.286 | -0.001 | .1896E+02 | -.3989E+00 | .1404E-01 | .1750E+02 | .9691E+01 | .9090E+01 | -.4753E+01 | .1113E+00 | -.3578E+00 | D0506B.BIS |
| 10.00 | -0.312 | -0.001 | .1771E+02 | -.4298E+00 | .1102E+00 | .1700E+02 | .9012E+01 | .8697E+01 | -.4170E+01 | .5393E-01 | -.2957E+00 | D0506B.BIS |
| 11.00 | -0.340 | 0.000 | .1669E+02 | -.4373E+00 | .4935E-01 | .1640E+02 | .8293E+01 | .8097E+01 | -.3979E+01 | .5491E-01 | -.8971E-01 | D0506B.BIS |
| 12.00 | -0.367 | 0.000 | .1564E+02 | -.4021E+00 | .1380E+00 | .1530E+02 | .8219E+01 | .7698E+01 | -.3383E+01 | -.1145E+00 | -.1039E+00 | D0506B.BIS |
| 13.00 | -0.393 | -0.001 | .1473E+02 | -.4076E+00 | .1622E+00 | .1390E+02 | .7568E+01 | .7331E+01 | -.2988E+01 | -.2650E+00 | -.7250E-01 | D0506B.BIS |
| 14.00 | -0.419 | -0.001 | .1383E+02 | -.3740E+00 | .1675E+00 | .1260E+02 | .6874E+01 | .6653E+01 | -.2657E+01 | .3255E+00 | -.4559E+00 | D0506B.BIS |
| 15.00 | -0.447 | -0.001 | .1332E+02 | -.4855E+00 | .2196E+00 | .1120E+02 | .6648E+01 | .6262E+01 | -.2406E+01 | -.8499E-01 | .4324E-02 | D0506B.BIS |
| 16.00 | -0.474 | -0.001 | .1244E+02 | -.5057E+00 | .2101E+00 | .1070E+02 | .5754E+01 | .5918E+01 | -.1869E+01 | .2970E-01 | .8818E-01 | D0506B.BIS |
| 17.00 | -0.500 | 0.000 | .1189E+02 | -.4560E+00 | .2152E+00 | .9390E+01 | .5728E+01 | .5559E+01 | -.1720E+01 | .2372E-01 | -.5227E-01 | D0506B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 18.00 | -0.526 | 0.000 | .1138E+02 | -.4488E+00 | .2261E+00 | .8950E+01 | .5335E+01 | .5410E+01 | -.1681E+01 | .5299E-01 | -.5240E-01 | D05068.BIS |
| 19.00 | -0.554 | -0.001 | .1058E+02 | -.3800E+00 | .1813E+00 | .8170E+01 | .4867E+01 | .4877E+01 | -.1602E+01 | .3713E+00 | -.9474E-01 | D05068.BIS |
| 0.20 | -0.050 | 0.199 | .3012E+02 | .1264E+01 | -.3249E+00 | .2840E+00 | .1103E+01 | .8565E+00 | -.1258E+00 | .2264E-02 | -.1945E+00 | D05078.BIS |
| 2.00 | -0.098 | 0.232 | .2916E+02 | .5963E+00 | -.2061E+00 | .4040E+01 | .3788E+01 | .3083E+01 | -.1340E+01 | .7600E-01 | .2778E+00 | D05078.BIS |
| 3.00 | -0.124 | 0.250 | .2655E+02 | -.5031E-01 | -.1917E+00 | .1170E+02 | .6617E+01 | .6632E+01 | -.3166E+01 | -.8063E-01 | .4655E+00 | D05078.BIS |
| 4.00 | -0.153 | 0.268 | .2481E+02 | -.4249E+00 | -.7839E-01 | .1400E+02 | .8403E+01 | .8734E+01 | -.4351E+01 | .1419E+00 | .4062E+00 | D05078.BIS |
| 5.00 | -0.179 | 0.286 | .2334E+02 | -.6217E+00 | .9492E-01 | .1650E+02 | .9377E+01 | .9813E+01 | -.4756E+01 | .1426E+00 | .4275E+00 | D05078.BIS |
| 6.00 | -0.205 | 0.303 | .2210E+02 | -.6813E+00 | .2702E+00 | .1690E+02 | .9674E+01 | .9878E+01 | -.4296E+01 | .6125E+00 | -.4816E-01 | D05078.BIS |
| 7.00 | -0.232 | 0.322 | .2069E+02 | -.7914E+00 | .4839E+00 | .1750E+02 | .1106E+02 | .9926E+01 | -.4747E+01 | .4036E+00 | -.3486E+00 | D05078.BIS |
| 8.00 | -0.259 | 0.339 | .1899E+02 | -.6616E+00 | .8193E+00 | .1820E+02 | .1132E+02 | .9442E+01 | -.4590E+01 | -.2706E-01 | .5599E-01 | D05078.BIS |
| 9.00 | -0.286 | 0.357 | .1739E+02 | -.5999E+00 | .4822E+00 | .1770E+02 | .1071E+02 | .8713E+01 | -.4517E+01 | .5572E+00 | .2208E+00 | D05078.BIS |
| 10.00 | -0.312 | 0.375 | .1603E+02 | -.4311E+00 | .5038E+00 | .1600E+02 | .1004E+02 | .8428E+01 | -.3695E+01 | .4428E+00 | .1605E+00 | D05078.BIS |
| 11.00 | -0.340 | 0.393 | .1528E+02 | -.6519E+00 | .5015E+00 | .1420E+02 | .9939E+01 | .8115E+01 | -.3071E+01 | .5553E+00 | .1713E-01 | D05078.BIS |
| 12.00 | -0.367 | 0.411 | .1428E+02 | -.5417E+00 | .4676E+00 | .1370E+02 | .8139E+01 | .7854E+01 | -.2991E+01 | .3352E+00 | .1942E+00 | D05078.BIS |
| 13.00 | -0.393 | 0.429 | .1321E+02 | -.3949E+00 | .3975E+00 | .1230E+02 | .7793E+01 | .7181E+01 | -.2485E+01 | .8377E+00 | .1162E+00 | D05078.BIS |
| 14.00 | -0.419 | 0.447 | .1279E+02 | -.7020E+00 | .4129E+00 | .1130E+02 | .7990E+01 | .6836E+01 | -.1779E+01 | .1117E+01 | .1608E+00 | D05078.BIS |
| 15.00 | -0.447 | 0.465 | .1188E+02 | -.5151E+00 | .3407E+00 | .1020E+02 | .6666E+01 | .6160E+01 | -.1695E+01 | .1183E+01 | .2225E-01 | D05078.BIS |
| 16.00 | -0.474 | 0.483 | .1104E+02 | -.5248E+00 | .3265E+00 | .9600E+01 | .6355E+01 | .5753E+01 | -.1456E+01 | .1038E+01 | .2611E+00 | D05078.BIS |
| 17.00 | -0.500 | 0.500 | .1064E+02 | -.5593E+00 | .4253E+00 | .8040E+01 | .6068E+01 | .5292E+01 | -.1583E+01 | .6359E+00 | .2890E+00 | D05078.BIS |
| 18.00 | -0.526 | 0.519 | .1009E+02 | -.4265E+00 | .2958E+00 | .7620E+01 | .5722E+01 | .4851E+01 | -.1202E+01 | .9978E+00 | .2693E+00 | D05078.BIS |
| 19.00 | -0.554 | 0.536 | .9529E+01 | -.3391E+00 | .2738E+00 | .6930E+01 | .4880E+01 | .4536E+01 | -.9679E+00 | .8873E+00 | .4424E+00 | D05078.BIS |
| 0.20 | -0.050 | 0.400 | .3019E+02 | -.3357E+00 | -.9483E+00 | .2800E+00 | .4043E+00 | .2599E+00 | -.1080E-01 | .1758E-01 | -.9682E-01 | D05088.BIS |
| 2.00 | -0.098 | 0.464 | .2925E+02 | -.7960E-01 | -.4742E+00 | .4380E+01 | .3865E+01 | .2294E+01 | -.1137E-01 | -.7708E-01 | -.1569E-02 | D05088.BIS |
| 3.00 | -0.124 | 0.500 | .2555E+02 | -.4416E-01 | -.5050E+00 | .1620E+02 | .8162E+01 | .8019E+01 | -.4893E+01 | .1020E+01 | .8601E-01 | D05088.BIS |
| 4.00 | -0.153 | 0.535 | .2357E+02 | -.4828E+00 | -.4468E+00 | .2180E+02 | .1071E+02 | .9799E+01 | -.7386E+01 | .3212E+00 | .4614E+00 | D05088.BIS |
| 5.00 | -0.179 | 0.571 | .2167E+02 | -.6018E+00 | -.1017E+00 | .2390E+02 | .1138E+02 | .9657E+01 | -.6855E+01 | .1629E+01 | .1064E+00 | D05088.BIS |
| 6.00 | -0.205 | 0.607 | .1970E+02 | -.6661E+00 | .2736E+00 | .2340E+02 | .1196E+02 | .9978E+01 | -.6083E+01 | .2756E+01 | .7166E+00 | D05088.BIS |
| 7.00 | -0.232 | 0.643 | .1780E+02 | -.7464E+00 | .4606E+00 | .2170E+02 | .1182E+02 | .9482E+01 | -.5204E+01 | .3391E+01 | .2774E+00 | D05088.BIS |
| 8.00 | -0.260 | 0.678 | .1659E+02 | -.8804E+00 | .5224E+00 | .1870E+02 | .1181E+02 | .9613E+01 | -.3556E+01 | .3541E+01 | .9817E+00 | D05088.BIS |
| 9.00 | -0.286 | 0.714 | .1513E+02 | -.8628E+00 | .4900E+00 | .1750E+02 | .1099E+02 | .9254E+01 | -.3383E+01 | .3549E+01 | .7613E+00 | D05088.BIS |
| 10.00 | -0.313 | 0.749 | .1384E+02 | -.9126E+00 | .3644E+00 | .1450E+02 | .1022E+02 | .8826E+01 | -.2149E+01 | .3748E+01 | .3219E+00 | D05088.BIS |
| 11.00 | -0.340 | 0.785 | .1282E+02 | -.7778E+00 | .5191E+00 | .1470E+02 | .8922E+01 | .8201E+01 | -.1961E+01 | .3474E+01 | .2009E+00 | D05088.BIS |
| 12.00 | -0.367 | 0.821 | .1194E+02 | -.8274E+00 | .4317E+00 | .1400E+02 | .8712E+01 | .7884E+01 | -.2152E+01 | .3145E+01 | .3678E+00 | D05088.BIS |
| 13.00 | -0.393 | 0.857 | .1152E+02 | -.7856E+00 | .3989E+00 | .1350E+02 | .8006E+01 | .6891E+01 | -.1285E+01 | .3472E+01 | -.1505E+00 | D05088.BIS |
| 14.00 | -0.419 | 0.892 | .1063E+02 | -.7579E+00 | .3413E+00 | .1160E+02 | .7604E+01 | .6636E+01 | -.2050E+01 | .2801E+01 | -.9196E-02 | D05088.BIS |
| 15.00 | -0.447 | 0.928 | .1017E+02 | -.7780E+00 | .3748E+00 | .1120E+02 | .6989E+01 | .6054E+01 | -.1441E+01 | .2960E+01 | .9964E-01 | D05088.BIS |
| 16.00 | -0.474 | 0.964 | .9687E+01 | -.6307E+00 | .3634E+00 | .9590E+01 | .6272E+01 | .5628E+01 | -.9760E+00 | .2447E+01 | .1166E+00 | D05088.BIS |
| 17.00 | -0.500 | 0.999 | .9107E+01 | -.6921E+00 | .2512E+00 | .9310E+01 | .6058E+01 | .4894E+01 | -.1190E+01 | .2379E+01 | -.3093E-01 | D05088.BIS |
| 18.00 | -0.526 | 1.035 | .8763E+01 | -.6592E+00 | .2403E+00 | .8260E+01 | .5282E+01 | .4761E+01 | -.7325E+00 | .2131E+01 | .1217E+00 | D05088.BIS |
| 19.00 | -0.554 | 1.071 | .8545E+01 | -.5371E+00 | .2590E+00 | .7610E+01 | .4971E+01 | .4433E+01 | -.7687E+00 | .1964E+01 | .2323E+00 | D05088.BIS |
| 0.20 | -0.050 | 0.600 | .3012E+02 | -.3764E+00 | -.7220E+00 | .2980E+00 | .1216E+00 | .5636E-01 | -.1976E-01 | .8091E-02 | -.3508E-01 | D05098.BIS |
| 2.00 | -0.098 | 0.696 | .2864E+02 | .7410E-01 | -.7716E+00 | .1090E+02 | .8046E+01 | .4059E+01 | -.5028E+01 | .8283E+00 | -.7751E+00 | D05098.BIS |
| 3.00 | -0.124 | 0.750 | .2388E+02 | -.8822E+00 | -.7817E+00 | .2590E+02 | .1263E+02 | .1310E+02 | -.8119E+01 | .3953E+01 | .7990E+00 | D05098.BIS |
| 4.00 | -0.153 | 0.803 | .2000E+02 | -.1274E+01 | .4682E-01 | .2630E+02 | .1489E+02 | .1296E+02 | -.5213E+01 | .5014E+01 | .1493E+01 | D05098.BIS |
| 5.00 | -0.179 | 0.857 | .1598E+02 | -.7556E+00 | .4015E+00 | .2440E+02 | .1428E+02 | .1150E+02 | -.4299E+01 | .5764E+01 | .6108E+00 | D05098.BIS |
| 6.00 | -0.205 | 0.910 | .1396E+02 | -.8529E+00 | .6215E+00 | .2030E+02 | .1348E+02 | .1044E+02 | -.3675E+01 | .4704E+01 | .8709E+00 | D05098.BIS |
| 7.00 | -0.232 | 0.964 | .1169E+02 | -.4796E+00 | .6039E+00 | .1640E+02 | .1115E+02 | .9330E+01 | -.3289E+01 | .4209E+01 | .8683E+00 | D05098.BIS |
| 8.00 | -0.259 | 1.018 | .1109E+02 | -.4952E+00 | .7430E+00 | .1570E+02 | .9981E+01 | .8818E+01 | -.1868E+01 | .3991E+01 | .5074E+00 | D05098.BIS |
| 9.00 | -0.286 | 1.071 | .1022E+02 | -.5944E+00 | .7309E+00 | .1400E+02 | .9051E+01 | .7839E+01 | -.1640E+01 | .3995E+01 | .3349E+00 | D05098.BIS |
| 10.00 | -0.313 | 1.125 | .9622E+01 | -.5829E+00 | .7152E+00 | .1260E+02 | .8662E+01 | .7180E+01 | -.1434E+01 | .4198E+01 | .1516E+00 | D05098.BIS |
| 11.00 | -0.340 | 1.179 | .8620E+01 | -.5732E+00 | .6779E+00 | .1220E+02 | .8488E+01 | .7450E+01 | -.1397E+01 | .3807E+01 | .1483E+00 | D05098.BIS |
| 12.00 | -0.367 | 1.232 | .8107E+01 | -.6097E+00 | .7705E+00 | .1180E+02 | .7514E+01 | .6441E+01 | -.6447E+00 | .3656E+01 | .8221E-01 | D05098.BIS |
| 13.00 | -0.393 | 1.286 | .7670E+01 | -.4628E+00 | .7777E+00 | .1090E+02 | .6685E+01 | .6213E+01 | -.1202E+01 | .2922E+01 | .2400E-01 | D05098.BIS |
| 14.00 | -0.419 | 1.339 | .7451E+01 | -.4308E+00 | .7706E+00 | .9640E+01 | .6277E+01 | .5882E+01 | -.1019E+01 | .2898E+01 | .4377E+00 | D05098.BIS |
| 15.00 | -0.447 | 1.393 | .6906E+01 | -.4015E+00 | .7243E+00 | .8980E+01 | .6056E+01 | .5359E+01 | -.7640E+00 | .2841E+01 | -.7487E-01 | D05098.BIS |
| 16.00 | -0.474 | 1.447 | .6910E+01 | -.3444E+00 | .6966E+00 | .7960E+01 | .5275E+01 | .4741E+01 | -.8128E+00 | .2313E+01 | .1407E+00 | D05098.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | -0.500 | 1.500 | .6958E+01 | -.3936E+00 | .6810E+00 | .7360E+01 | .5301E+01 | .4875E+01 | -.5097E+00 | .2367E+01 | .1914E+00 | D0509B.BIS |
| 18.00 | -0.526 | 1.554 | .6348E+01 | -.3680E+00 | .7349E+00 | .7260E+01 | .4673E+01 | .3970E+01 | -.5167E+00 | .1734E+01 | .3080E+00 | D0509B.BIS |
| 19.00 | -0.554 | 1.607 | .5935E+01 | -.2196E+00 | .6765E+00 | .5720E+01 | .4491E+01 | .3753E+01 | -.4825E+00 | .1773E+01 | .2251E+00 | D0509B.BIS |
| 1.00 | 0.001 | -1.071 | .9708E+01 | .3214E+00 | -.5844E+00 | .2370E+02 | .1387E+02 | .1254E+02 | -.5665E+00 | -.8560E+01 | -.3779E+00 | D0601B.BIS |
| 5.00 | 0.001 | -1.429 | .5801E+01 | -.6291E-02 | -.2452E+00 | .9790E+01 | .6259E+01 | .6333E+01 | -.6493E-01 | -.3270E+01 | -.1843E+00 | D0601B.BIS |
| 9.00 | 0.001 | -1.786 | .4392E+01 | -.3857E-01 | -.2048E+00 | .6320E+01 | .4435E+01 | .4492E+01 | .3327E-02 | -.2182E+01 | -.1544E+00 | D0601B.BIS |
| 13.00 | 0.001 | -2.144 | .3573E+01 | -.3585E-01 | -.1617E+00 | .5010E+01 | .3349E+01 | .3425E+01 | -.8144E-01 | -.1577E+01 | -.8398E-01 | D0601B.BIS |
| 17.00 | 0.000 | -2.501 | .3028E+01 | -.1882E-01 | -.1871E+00 | .4100E+01 | .2601E+01 | .2722E+01 | .2013E-01 | -.1261E+01 | .4013E-01 | D0601B.BIS |
| 1.00 | 0.001 | -0.857 | .3029E+02 | -.4903E+00 | .3825E+00 | .1530E+01 | .8671E+00 | .1025E+01 | -.2731E-01 | .9969E-01 | .2292E+00 | D0602B.BIS |
| 5.00 | 0.001 | -1.144 | .1154E+02 | -.2951E-01 | -.6686E+00 | .2010E+02 | .1354E+02 | .1039E+02 | -.4709E+00 | -.5625E+01 | -.6069E+00 | D0602B.BIS |
| 9.00 | 0.001 | -1.429 | .7506E+01 | -.4838E-01 | -.2985E+00 | .1060E+02 | .7438E+01 | .6276E+01 | -.6764E-01 | -.3198E+01 | -.15104E+00 | D0602B.BIS |
| 13.00 | 0.001 | -1.715 | .5989E+01 | -.5428E-01 | -.2984E+00 | .8140E+01 | .5806E+01 | .5221E+01 | .1533E+00 | -.2564E+01 | -.2766E+00 | D0602B.BIS |
| 17.00 | 0.000 | -2.001 | .4889E+01 | .4243E-02 | -.2002E+00 | .5940E+01 | .4067E+01 | .3751E+01 | -.5137E-01 | -.2012E+01 | -.4058E-01 | D0602B.BIS |
| 1.00 | 0.001 | -0.642 | .3029E+02 | -.4036E+00 | .2082E+00 | .7570E+00 | .1538E+00 | .2110E+00 | .3143E-02 | .8314E-01 | .6003E-01 | D0603B.BIS |
| 5.00 | 0.001 | -0.857 | .1871E+02 | .7865E-01 | -.4672E+00 | .2770E+02 | .1736E+02 | .1214E+02 | -.2139E+01 | -.6493E+01 | -.7568E+00 | D0603B.BIS |
| 9.00 | 0.001 | -1.072 | .1129E+02 | -.1430E+00 | -.3313E+00 | .1520E+02 | .1071E+02 | .8087E+01 | -.2831E+00 | -.4456E+01 | -.5317E+00 | D0603B.BIS |
| 13.00 | 0.001 | -1.287 | .8679E+01 | -.1628E+00 | -.1648E+00 | .1040E+02 | .7580E+01 | .6062E+01 | .1475E+00 | -.3083E+01 | -.2496E+00 | D0603B.BIS |
| 17.00 | 0.000 | -1.501 | .7124E+01 | -.4653E-01 | -.1339E+00 | .8340E+01 | .5363E+01 | .4476E+01 | .1906E-01 | -.2458E+01 | -.1620E+00 | D0603B.BIS |
| 1.00 | 0.001 | -0.429 | .3022E+02 | -.3091E+00 | .3336E+00 | .8470E+00 | .1476E+00 | .2032E+00 | .2869E-02 | .3018E-01 | .6980E-01 | D0604B.BIS |
| 5.00 | 0.001 | -0.572 | .2423E+02 | -.2136E+00 | -.5717E-01 | .2260E+02 | .1298E+02 | .1005E+02 | -.2626E+01 | -.2718E+01 | -.1320E+00 | D0604B.BIS |
| 9.00 | 0.001 | -0.715 | .1564E+02 | -.1830E-01 | -.2701E+00 | .1780E+02 | .1125E+02 | .8378E+01 | -.8432E+00 | -.4216E+01 | -.3278E+00 | D0604B.BIS |
| 13.00 | 0.001 | -0.858 | .1200E+02 | -.5866E-01 | -.1230E+00 | .1310E+02 | .8516E+01 | .6930E+01 | -.3279E-01 | -.3672E+01 | -.2124E+00 | D0604B.BIS |
| 17.00 | 0.000 | -1.001 | .9417E+01 | -.1994E+00 | .1104E-01 | .9840E+01 | .6203E+01 | .5191E+01 | .2110E+00 | -.2738E+01 | -.1215E+00 | D0604B.BIS |
| 0.20 | 0.000 | -0.200 | .3013E+02 | -.1938E+00 | .1547E+00 | .1770E+00 | .1052E+00 | .1361E+00 | -.1286E-01 | .2477E-02 | .8021E-02 | HD0605B |
| 2.00 | 0.000 | -0.233 | .2997E+02 | -.4092E+00 | .8574E-01 | .3290E+01 | .8723E+00 | .8182E+00 | .6889E-02 | -.1122E+00 | -.5876E-02 | HD0605B |
| 3.00 | 0.000 | -0.250 | .2929E+02 | -.3492E+00 | .1004E+00 | .5530E+01 | .4786E+01 | .2981E+01 | -.1579E+00 | -.3215E+00 | -.1939E+02 | HD0605B |
| 4.00 | 0.000 | -0.268 | .2761E+02 | -.1568E+00 | .1369E+00 | .9860E+01 | .8091E+01 | .5877E+01 | -.1881E+00 | -.5639E+00 | .5632E-02 | HD0605B |
| 5.00 | 0.000 | -0.286 | .2575E+02 | -.5222E-01 | .1912E+00 | .1400E+02 | .9785E+01 | .7449E+01 | -.6831E+00 | -.8665E+00 | -.2698E+02 | HD0605B |
| 6.00 | 0.000 | -0.304 | .2398E+02 | -.3308E-01 | .1291E+00 | .1580E+02 | .1011E+02 | .8237E+01 | -.4370E+00 | -.1269E+01 | .1158E+02 | HD0605B |
| 7.00 | 0.000 | -0.322 | .2230E+02 | -.9553E-01 | .5114E-01 | .1630E+02 | .1059E+02 | .8373E+01 | -.3830E+00 | -.1895E+01 | -.2549E-02 | HD0605B |
| 8.00 | 0.000 | -0.339 | .2070E+02 | -.6171E-01 | .4421E-01 | .1650E+02 | .1022E+02 | .8390E+01 | .2086E+00 | -.2330E+01 | -.2248E+02 | HD0605B |
| 9.00 | 0.000 | -0.358 | .1904E+02 | -.6040E-01 | .7577E-02 | .1670E+02 | .1004E+02 | .8008E+01 | .7358E-01 | -.3115E+01 | -.8830E-02 | HD0605B |
| 10.00 | 0.000 | -0.375 | .1824E+02 | -.6632E-02 | -.2915E+00 | .1510E+02 | .9353E+01 | .7323E+01 | .7430E-01 | -.2648E+01 | -.3762E+02 | HD0605B |
| 11.00 | 0.000 | -0.393 | .1692E+02 | .4085E-01 | -.2335E+00 | .1490E+02 | .9220E+01 | .7255E+01 | .2910E+00 | -.2613E+01 | -.2930E+02 | HD0605B |
| 12.00 | -0.001 | -0.411 | .1584E+02 | -.1991E-01 | -.1859E+00 | .1400E+02 | .8622E+01 | .6919E+01 | .1676E+00 | -.2727E+01 | -.3844E+02 | HD0605B |
| 13.00 | -0.001 | -0.429 | .1483E+02 | .2491E-01 | -.1537E+00 | .1300E+02 | .7774E+01 | .6752E+01 | .2650E+00 | -.2684E+01 | -.3586E+02 | HD0605B |
| 14.00 | -0.001 | -0.447 | .1423E+02 | .3702E-01 | -.1482E+00 | .1230E+02 | .7503E+01 | .6332E+01 | .1369E+00 | -.2132E+01 | -.3216E+02 | HD0605B |
| 15.00 | -0.001 | -0.465 | .1345E+02 | .4368E-01 | -.1954E+00 | .1090E+02 | .6798E+01 | .5881E+01 | .7410E-02 | -.2170E+01 | -.1239E+02 | HD0605B |
| 16.00 | -0.001 | -0.482 | .1250E+02 | .8942E-01 | -.1172E+00 | .1020E+02 | .6299E+01 | .5535E+01 | .3951E+00 | -.1898E+01 | -.1673E+02 | HD0605B |
| 17.00 | -0.001 | -0.500 | .1180E+02 | -.3969E-01 | -.6036E-01 | .1000E+02 | .5981E+01 | .5394E+01 | .2787E+00 | -.2114E+01 | -.2079E+02 | HD0605B |
| 18.00 | -0.001 | -0.518 | .1111E+02 | .4026E-01 | -.4437E-01 | .9240E+01 | .5707E+01 | .4783E+01 | .1265E+00 | -.1764E+01 | -.5581E-02 | HD0605B |
| 19.00 | -0.001 | -0.536 | .1060E+02 | -.4140E-01 | -.1328E-01 | .8620E+01 | .4998E+01 | .4601E+01 | .2744E+00 | -.1800E+01 | -.1429E+02 | HD0605B |
| 0.20 | 0.000 | 0.000 | .3012E+02 | .2625E+00 | .2822E-01 | .1710E+00 | .9618E-01 | .5859E-01 | -.5662E-02 | .7018E-02 | -.2425E-01 | D0606B.BIS |
| 1.00 | 0.000 | 0.000 | .2994E+02 | .5345E+00 | .2091E+00 | .9540E+00 | .1787E+00 | .2115E+00 | -.5125E-01 | -.1793E-01 | .3209E-01 | D0606B.BIS |
| 2.00 | 0.000 | 0.000 | .2980E+02 | .6882E+00 | .2831E+00 | .4290E+01 | .1102E+01 | .1205E+01 | -.1936E+00 | .1369E+00 | .5433E-01 | D0606B.BIS |
| 3.00 | 0.000 | -0.001 | .2908E+02 | .5184E+00 | .9528E-01 | .6170E+01 | .5313E+01 | .3696E+01 | -.4853E+00 | .1533E+00 | .3160E+00 | D0606B.BIS |
| 4.00 | 0.000 | -0.001 | .2739E+02 | .5041E+00 | .1933E-01 | .1050E+02 | .7585E+01 | .6486E+01 | -.9680E+00 | .1604E+00 | .1569E+00 | D0606B.BIS |
| 5.00 | 0.000 | -0.001 | .2591E+02 | .4635E+00 | .1289E+00 | .1220E+02 | .9079E+01 | .7473E+01 | -.3293E+00 | .1258E+00 | .2308E+00 | D0606B.BIS |
| 6.00 | 0.000 | -0.001 | .2475E+02 | .3754E+00 | -.5699E-01 | .1340E+02 | .8761E+01 | .7665E+01 | -.3826E+00 | .7380E+00 | .1853E+00 | D0606B.BIS |
| 7.00 | 0.000 | -0.001 | .2355E+02 | .1234E+00 | -.1741E+00 | .1360E+02 | .8988E+01 | .7784E+01 | -.3417E+00 | .9064E+00 | .1109E+00 | D0606B.BIS |
| 8.00 | 0.000 | -0.001 | .2204E+02 | .2839E+00 | .6820E-01 | .1440E+02 | .8986E+01 | .7692E+01 | -.4635E+00 | .5097E+00 | .1416E-02 | D0606B.BIS |
| 9.00 | 0.000 | -0.001 | .2091E+02 | .2727E+00 | .3092E-01 | .1480E+02 | .8654E+01 | .7614E+01 | -.1425E+00 | .5434E+00 | .7074E-01 | D0606B.BIS |
| 10.00 | 0.000 | -0.001 | .1967E+02 | .2256E+00 | .1610E+00 | .1410E+02 | .8137E+01 | .7360E+01 | .6394E-02 | .6607E+00 | .7969E-01 | D0606B.BIS |
| 11.00 | 0.000 | -0.001 | .1830E+02 | .1188E+00 | .1622E+00 | .1430E+02 | .8471E+01 | .7148E+01 | .3064E+00 | .6170E+00 | .1260E+00 | D0606B.BIS |
| 12.00 | 0.000 | -0.001 | .1717E+02 | .2462E+00 | .1452E+00 | .1300E+02 | .7599E+01 | .6998E+01 | .2207E-01 | .6063E+00 | -.6239E-01 | D0606B.BIS |
| 13.00 | 0.000 | -0.001 | .1599E+02 | .2187E+00 | .1320E+00 | .1200E+02 | .7496E+01 | .6713E+01 | -.2791E+00 | .4996E+00 | -.9230E-01 | D0606B.BIS |

TABLE 4
Continued

| X | Y | Z | U | V | W | UU | VV | WW | UV | VW | WU | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 14.00 | 0.000 | -0.001 | .1517E+02 | .2087E+00 | .1102E+00 | .1100E+02 | .6773E+01 | .6010E+01 | .3620E+00 | .4459E+00 | .1406E-01 | D0606B.BIS |
| 15.00 | 0.000 | -0.001 | .1421E+02 | .1494E+00 | .1805E+00 | .1050E+02 | .6413E+01 | .5909E+01 | .2315E+00 | .2288E+00 | .1223E+00 | D0606B.BIS |
| 16.00 | 0.000 | -0.001 | .1364E+02 | .2510E+00 | .1730E+00 | .1000E+02 | .6066E+01 | .5306E+01 | .1461E+00 | .3591E+00 | .2589E+00 | D0606B.BIS |
| 17.00 | 0.000 | -0.001 | .1290E+02 | .2125E+00 | .1322E+00 | .8810E+01 | .5692E+01 | .5110E+01 | .8652E-01 | .4334E+00 | .1672E+00 | D0606B.BIS |
| 18.00 | 0.000 | -0.001 | .1210E+02 | .1575E+00 | .1334E+00 | .8250E+01 | .5004E+01 | .5020E+01 | .8464E-01 | .5975E+00 | .1875E+00 | D0606B.BIS |
| 19.00 | 0.000 | -0.001 | .1163E+02 | .1811E+00 | .1367E+00 | .7700E+01 | .4686E+01 | .4351E+01 | -.1051E+00 | .2451E+00 | .2295E+00 | D0606B.BIS |
| 0.20 | 0.001 | 0.200 | .3033E+02 | -.3054E+00 | -.9982E-02 | .1830E+00 | .1005E+00 | .8530E-01 | -.1793E-03 | .6849E-02 | -.1416E-01 | D0607B.BIS |
| 1.00 | 0.001 | 0.214 | .3016E+02 | -.2373E+00 | .8481E-01 | .7180E+00 | .1582E+00 | .1834E+00 | -.2829E-02 | -.2294E-01 | .2145E-01 | D0607B.BIS |
| 2.00 | -0.001 | 0.232 | .3012E+02 | -.2962E+00 | .3313E+00 | .3340E+01 | .8998E+00 | .1041E+01 | -.1131E+00 | .4870E-01 | .1082E+00 | D0607B.BIS |
| 3.00 | 0.001 | 0.250 | .2933E+02 | -.3668E+00 | .1860E+00 | .6130E+01 | .5445E+01 | .3469E+01 | .1778E+00 | .2568E-01 | .2573E+00 | D0607B.BIS |
| 4.00 | 0.001 | 0.268 | .2752E+02 | -.5893E-01 | -.7883E-01 | .1180E+02 | .9879E+01 | .6934E+01 | -.1353E+01 | .7013E+00 | -.3452E+00 | D0607B.BIS |
| 5.00 | 0.001 | 0.285 | .2560E+02 | .1571E-01 | -.1710E+00 | .1650E+02 | .1139E+02 | .8538E+01 | -.1780E+01 | .1006E+01 | -.6508E+00 | D0607B.BIS |
| 6.00 | 0.001 | 0.303 | .2346E+02 | .4858E-01 | -.9094E-01 | .1810E+02 | .1183E+02 | .9180E+01 | -.1973E+01 | .1814E+01 | -.5247E+00 | D0607B.BIS |
| 7.00 | 0.001 | 0.321 | .2161E+02 | -.4008E-01 | .4211E-01 | .1900E+02 | .1162E+02 | .9127E+01 | -.1277E+01 | .2328E+01 | -.3622E+00 | D0607B.BIS |
| 8.00 | 0.001 | 0.339 | .1981E+02 | -.3186E-01 | .1378E+00 | .1800E+02 | .1176E+02 | .8808E+01 | -.1191E+01 | .2341E+01 | -.1551E+00 | D0607B.BIS |
| 9.00 | 0.001 | 0.357 | .1844E+02 | -.1904E+00 | .2675E+00 | .1760E+02 | .1038E+02 | .8428E+01 | -.9759E-01 | .3081E+01 | -.1200E+00 | D0607B.BIS |
| 10.00 | 0.001 | 0.375 | .1699E+02 | -.8495E-01 | .1627E+00 | .1610E+02 | .1020E+02 | .7898E+01 | -.9121E+00 | .3071E+01 | -.1604E+00 | D0607B.BIS |
| 11.00 | 0.001 | 0.393 | .1599E+02 | -.6282E-01 | .2968E+00 | .1500E+02 | .9481E+01 | .7496E+01 | -.8096E+00 | .3032E+01 | -.1098E+00 | D0607B.BIS |
| 12.00 | 0.001 | 0.410 | .1481E+02 | -.9178E-01 | .2615E+00 | .1430E+02 | .8872E+01 | .7088E+01 | -.4464E+00 | .2873E+01 | -.1475E+00 | D0607B.BIS |
| 13.00 | 0.001 | 0.428 | .1386E+02 | -.2288E+00 | .1693E+00 | .1340E+02 | .8111E+01 | .6631E+01 | -.1124E+00 | .2919E+01 | -.1976E+00 | D0607B.BIS |
| 14.00 | 0.001 | 0.446 | .1336E+02 | -.1733E+00 | .2890E+00 | .1190E+02 | .7139E+01 | .6131E+01 | -.1241E+00 | .2529E+01 | -.9609E-01 | D0607B.BIS |
| 15.00 | 0.000 | 0.464 | .1257E+02 | -.2353E-01 | .2134E+00 | .1130E+02 | .6835E+01 | .5962E+01 | -.3997E+00 | .2353E+01 | -.5473E-02 | D0607B.BIS |
| 16.00 | 0.000 | 0.482 | .1203E+02 | -.2787E-01 | .3172E+00 | .1020E+02 | .6405E+01 | .5492E+01 | -.4143E+00 | .2153E+01 | -.1653E+00 | D0607B.BIS |
| 17.00 | 0.000 | 0.500 | .1145E+02 | -.4024E-01 | .2163E+00 | .9800E+01 | .5662E+01 | .5054E+01 | -.3248E+00 | .2012E+01 | .7763E-01 | D0607B.BIS |
| 18.00 | 0.000 | 0.518 | .1083E+02 | -.1837E+00 | .1931E+00 | .8830E+01 | .5235E+01 | .4665E+01 | -.1292E+00 | .1836E+01 | .9043E-01 | D0607B.BIS |
| 19.00 | 0.000 | 0.535 | .1038E+02 | -.9742E-01 | .1726E+00 | .8280E+01 | .5031E+01 | .4350E+01 | -.1879E+00 | .1742E+01 | .7506E-01 | D0607B.BIS |
| 0.20 | 0.001 | 0.399 | .3038E+02 | -.3850E+00 | -.1899E+00 | .2280E+00 | .9869E-01 | .1194E+00 | -.6849E-02 | .9161E-02 | .1745E-01 | D0608B.BIS |
| 1.00 | 0.001 | 0.428 | .3022E+02 | -.5026E+00 | -.2192E+00 | .4860E+00 | .1319E+00 | .1414E+00 | .1416E-01 | .7526E-02 | .4263E-02 | D0608B.BIS |
| 2.00 | 0.001 | 0.464 | .3023E+02 | -.5211E+00 | -.1358E+00 | .2670E+01 | .9441E+00 | .6663E+00 | .1474E+00 | .2478E+00 | -.1853E+00 | D0608B.BIS |
| 3.00 | 0.001 | 0.500 | .2943E+02 | -.1229E+00 | -.1561E-01 | .6390E+01 | .5504E+01 | .3242E+01 | -.1055E+01 | -.3045E+00 | -.1274E+00 | D0608B.BIS |
| 4.00 | 0.001 | 0.535 | .2762E+02 | -.1566E+00 | -.1016E+00 | .1300E+02 | .9708E+01 | .7548E+01 | -.2205E+01 | .3212E-01 | .2234E+00 | D0608B.BIS |
| 5.00 | 0.001 | 0.571 | .2458E+02 | -.2743E+00 | .2590E-01 | .2080E+02 | .1279E+02 | .1044E+02 | -.1572E+01 | .2786E+01 | .2091E+00 | D0608B.BIS |
| 6.00 | 0.001 | 0.607 | .2136E+02 | -.3082E+00 | .2181E+00 | .2370E+02 | .1385E+02 | .1163E+02 | -.9705E+00 | .4404E+01 | -.4069E+00 | D0608B.BIS |
| 7.00 | 0.001 | 0.643 | .1848E+02 | -.2337E+00 | .4159E+00 | .2170E+02 | .1418E+02 | .1091E+02 | -.1227E+01 | .4011E+01 | .7164E-02 | D0608B.BIS |
| 8.00 | 0.001 | 0.678 | .1663E+02 | -.2245E+00 | .5243E+00 | .1890E+02 | .1290E+02 | .9908E+01 | -.1018E+01 | .4206E+01 | -.5462E+00 | D0608B.BIS |
| 9.00 | 0.001 | 0.714 | .1492E+02 | -.1743E+00 | .5202E+00 | .1680E+02 | .1131E+02 | .8513E+01 | -.1107E+01 | .3720E+01 | -.2044E+00 | D0608B.BIS |
| 10.00 | 0.001 | 0.750 | .1376E+02 | -.1236E+00 | .5290E+00 | .1550E+02 | .1047E+02 | .8060E+01 | -.4024E+00 | .3845E+01 | -.2277E+00 | D0608B.BIS |
| 11.00 | 0.001 | 0.786 | .1265E+02 | -.2596E+00 | .4829E+00 | .1420E+02 | .9528E+01 | .7584E+01 | .1752E-01 | .3540E+01 | -.1630E+00 | D0608B.BIS |
| 12.00 | 0.001 | 0.821 | .1162E+02 | -.2225E+00 | .4023E+00 | .1270E+02 | .8548E+01 | .6933E+01 | -.4003E+00 | .3320E+01 | -.1356E+00 | D0608B.BIS |
| 13.00 | 0.001 | 0.857 | .1080E+02 | -.1997E+00 | .3480E+00 | .1180E+02 | .7921E+01 | .6531E+01 | -.7940E-01 | .3266E+01 | -.4388E+00 | D0608B.BIS |
| 14.00 | 0.000 | 0.893 | .1033E+02 | -.1349E+00 | .3786E+00 | .1090E+02 | .7222E+01 | .5858E+01 | -.1995E+00 | .2842E+01 | -.2126E+00 | D0608B.BIS |
| 15.00 | 0.000 | 0.928 | .9780E+01 | -.6719E-01 | .3644E+00 | .1010E+02 | .6619E+01 | .5490E+01 | -.3130E+00 | .2681E+01 | .6492E-02 | D0608B.BIS |
| 16.00 | 0.000 | 0.964 | .9279E+01 | -.1654E+00 | .3525E+00 | .9290E+01 | .6127E+01 | .5137E+01 | -.2446E+00 | .2439E+01 | -.7243E-01 | D0608B.BIS |
| 17.00 | 0.000 | 1.000 | .8856E+01 | -.1529E+00 | .4042E+00 | .8450E+01 | .5930E+01 | .4716E+01 | -.3432E+00 | .2226E+01 | -.7800E-01 | D0608B.BIS |
| 18.00 | 0.000 | 1.035 | .8601E+01 | -.1334E+00 | .3931E+00 | .8290E+01 | .5629E+01 | .4558E+01 | -.3282E+00 | .2262E+01 | -.9606E-01 | D0608B.BIS |
| 19.00 | 0.000 | 1.071 | .8236E+01 | -.9871E-01 | .3586E+00 | .7340E+01 | .4985E+01 | .4093E+01 | -.1238E+00 | .1977E+01 | -.4018E-01 | D0608B.BIS |
| 0.20 | 0.001 | 0.599 | .3041E+02 | -.4438E+00 | -.3092E+00 | .1820E+00 | .1105E+00 | .1342E+00 | -.1423E-01 | .4419E-02 | .1235E-01 | D0609B.BIS |
| 1.00 | 0.001 | 0.642 | .3028E+02 | -.4908E+00 | -.3887E+00 | .3930E+00 | .1301E+00 | .1544E+00 | -.2016E-01 | -.2692E-01 | .2407E-01 | D0609B.BIS |
| 2.00 | 0.001 | 0.696 | .3039E+02 | -.4691E+00 | -.3097E+00 | .2100E+01 | .9246E+00 | .9225E+00 | .7332E-01 | .3501E+00 | -.4669E-02 | D0609B.BIS |
| 3.00 | 0.001 | 0.750 | .2867E+02 | -.4585E+00 | -.2271E+00 | .9510E+01 | .6800E+01 | .6357E+01 | -.3767E+00 | .1865E+01 | .3295E+00 | D0609B.BIS |
| 4.00 | 0.001 | 0.803 | .2300E+02 | -.3187E+00 | .2516E+00 | .2710E+02 | .1524E+02 | .1286E+02 | -.8958E+00 | .6886E+01 | -.4070E+00 | D0609B.BIS |
| 5.00 | 0.001 | 0.857 | .1824E+02 | -.3426E+00 | .4711E+00 | .2820E+02 | .1674E+02 | .1318E+02 | -.7468E+00 | .7256E+01 | -.2958E+00 | D0609B.BIS |
| 6.00 | 0.001 | 0.910 | .1510E+02 | -.3579E+00 | .6446E+00 | .2440E+02 | .1541E+02 | .1223E+02 | .5975E+00 | .6314E+01 | -.7883E+00 | D0609B.BIS |
| 7.00 | 0.001 | 0.964 | .1344E+02 | -.3696E+00 | .6822E+00 | .2000E+02 | .1312E+02 | .1098E+02 | -.6521E-01 | .5456E+01 | -.8767E+00 | D0609B.BIS |
| 8.00 | 0.001 | 1.018 | .1198E+02 | -.2643E+00 | .6891E+00 | .1670E+02 | .1154E+02 | .9569E+01 | -.6452E+00 | .4768E+01 | -.3389E+00 | D0609B.BIS |
| 9.00 | 0.001 | 1.071 | .1062E+02 | -.3328E+00 | .5189E+00 | .1510E+02 | .1019E+02 | .8471E+01 | -.1263E+00 | .4425E+01 | -.5642E+00 | D0609B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \bar{u} | \bar{v} | \bar{w} | \bar{uv} | \bar{v} | \bar{w} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 3.00 | 0.124 | 0.500 | .2599E+02 | .7919E-01 | -.3412E+00 | .1800E+02 | .1111E+02 | .8978E+01 | .6881E+01 | .7963E-01 | .8433E-52 | H00708B |
| 4.00 | 0.153 | 0.535 | .2362E+02 | .3094E-01 | -.7386E-01 | .2590E+02 | .1363E+02 | .1298E+02 | .8176E+01 | -.1835E+00 | -.4452E+52 | H00708B |
| 5.00 | 0.179 | 0.571 | .2055E+02 | -.2285E-01 | .2270E+00 | .2850E+02 | .1388E+02 | .1220E+02 | .6801E+01 | .2082E+01 | -.7196E+52 | H00708B |
| 6.00 | 0.205 | 0.607 | .1817E+02 | -.1151E+00 | .4378E+00 | .2710E+02 | .1346E+02 | .1189E+02 | .5593E+01 | .3755E+01 | -.1307E+52 | H00708B |
| 7.00 | 0.232 | 0.642 | .1594E+02 | -.4602E+00 | .3254E+00 | .2120E+02 | .1271E+02 | .1088E+02 | .4355E+01 | .3577E+01 | -.1410E+52 | H00708B |
| 8.00 | 0.260 | 0.678 | .1491E+02 | -.3602E+00 | .4916E+00 | .1860E+02 | .1091E+02 | .1051E+02 | .2442E+01 | .4098E+01 | -.1696E+52 | H00708B |
| 9.00 | 0.285 | 0.714 | .1349E+02 | -.3582E+00 | .4301E+00 | .1770E+02 | .1067E+02 | .9075E+01 | .2415E+01 | .3774E+01 | -.1484E+52 | H00708B |
| 10.00 | 0.312 | 0.750 | .1264E+02 | -.3068E+00 | .4401E+00 | .1550E+02 | .9504E+01 | .8471E+01 | .1816E+01 | .3485E+01 | -.1773E+52 | H00708B |
| 11.00 | -0.340 | 0.785 | .1205E+02 | -.3921E+00 | .4163E+00 | .1360E+02 | .8942E+01 | .7778E+01 | .1702E+01 | .3594E+01 | -.1293E+52 | H00708B |
| 12.00 | 0.367 | 0.821 | .1118E+02 | -.3543E+00 | .5256E+00 | .1390E+02 | .8317E+01 | .7003E+01 | .1952E+01 | .3152E+01 | -.1309E+52 | H00708B |
| 13.00 | 0.392 | 0.857 | .1074E+02 | -.1456E+00 | .3975E+00 | .1160E+02 | .7966E+01 | .6822E+01 | .1352E+01 | .2731E+01 | -.8480E+52 | H00708B |
| 14.00 | 0.419 | 0.892 | .1006E+02 | -.2711E+00 | .4320E+00 | .1130E+02 | .7300E+01 | .6059E+01 | .9270E+00 | .2853E+01 | -.6568E+52 | H00708B |
| 15.00 | 0.447 | 0.928 | .9412E+01 | -.1920E+00 | .3574E+00 | .1210E+02 | .6391E+01 | .5649E+01 | .1187E+01 | .2694E+01 | -.5758E+52 | H00708B |
| 16.00 | 0.474 | 0.964 | .8987E+01 | -.2910E+00 | .2969E+00 | .9080E+01 | .5889E+01 | .5254E+01 | .8290E+00 | .2563E+01 | -.6588E+52 | H00708B |
| 17.00 | 0.499 | 0.999 | .8865E+01 | -.1939E+00 | .2502E+00 | .8840E+01 | .5730E+01 | .4821E+01 | .8996E+00 | .2327E+01 | -.4554E+52 | H00708B |
| 18.00 | 0.526 | 1.035 | .8337E+01 | -.2746E+00 | .3043E+00 | .7900E+01 | .5160E+01 | .4586E+01 | .8461E+00 | .2032E+01 | -.6882E+52 | H00708B |
| 19.00 | 0.555 | 1.071 | .8011E+01 | -.2406E+00 | .2952E+00 | .7650E+01 | .4894E+01 | .4010E+01 | .8871E+00 | .1735E+01 | -.1855E+52 | H00708B |
| 0.20 | 0.049 | 0.600 | .3020E+02 | .3007E-01 | -.2177E+00 | .1910E+00 | .1478E+00 | .1963E+00 | -.1130E-01 | .6112E-02 | .1071E+00 | D0709B.BIS |
| 2.00 | 0.098 | 0.696 | .2887E+02 | -.2419E+00 | -.3283E+00 | .8410E+01 | .3652E+01 | .4279E+01 | .2543E+01 | .1425E+00 | .3638E+00 | D0709B.BIS |
| 3.00 | 0.124 | 0.750 | .2380E+02 | -.3018E+00 | -.6128E+00 | .2840E+02 | .1538E+02 | .1593E+02 | .7959E+01 | .6341E+01 | .2177E+00 | D0709B.BIS |
| 4.00 | 0.153 | 0.803 | .1763E+02 | .1511E+00 | -.1138E-01 | .3290E+02 | .1762E+02 | .1650E+02 | .6370E+01 | .7751E+01 | -.2409E+01 | D0709B.BIS |
| 5.00 | 0.179 | 0.857 | .1406E+02 | .2922E-01 | .3500E+00 | .2630E+02 | .1476E+02 | .1283E+02 | .4051E+01 | .6294E+01 | -.2257E+01 | D0709B.BIS |
| 6.00 | 0.205 | 0.910 | .1244E+02 | -.9057E-01 | .6851E+00 | .2180E+02 | .1258E+02 | .1125E+02 | .3562E+01 | .4874E+01 | -.1619E+01 | D0709B.BIS |
| 7.00 | 0.232 | 0.964 | .1060E+02 | .1087E+00 | .5881E+00 | .1880E+02 | .1105E+02 | .9532E+01 | .2616E+01 | .4474E+01 | -.1716E+01 | D0709B.BIS |
| 8.00 | 0.260 | 1.018 | .9929E+01 | -.8610E-01 | .6972E+00 | .1480E+02 | .1019E+02 | .8694E+01 | .2186E+01 | .3526E+01 | -.1484E+01 | D0709B.BIS |
| 9.00 | 0.285 | 1.071 | .9608E+01 | -.2261E-01 | .8552E+00 | .1310E+02 | .8665E+01 | .8372E+01 | .1246E+01 | .3481E+01 | -.1103E+01 | D0709B.BIS |
| 10.00 | 0.312 | 1.125 | .8461E+01 | -.5629E-01 | .7170E+00 | .1300E+02 | .8487E+01 | .7497E+01 | .1154E+01 | .3388E+01 | -.1088E+01 | D0709B.BIS |
| 11.00 | 0.340 | 1.179 | .7738E+01 | -.2724E+00 | .1056E+01 | .1230E+02 | .7739E+01 | .7113E+01 | .1278E+01 | .2929E+01 | -.9118E+00 | D0709B.BIS |
| 12.00 | 0.367 | 1.232 | .7530E+01 | -.4835E-01 | .8160E+00 | .1060E+02 | .7225E+01 | .6414E+01 | .9655E+00 | .2934E+01 | -.7936E+00 | D0709B.BIS |
| 13.00 | 0.392 | 1.286 | .6976E+01 | -.1081E+00 | .7710E+00 | .9270E+01 | .6934E+01 | .6059E+01 | .9607E+00 | .2648E+01 | -.4930E+00 | D0709B.BIS |
| 14.00 | 0.419 | 1.339 | .6913E+01 | -.7869E-01 | .9328E+00 | .8870E+01 | .6788E+01 | .5914E+01 | .1077E+01 | .2558E+01 | -.5094E+00 | D0709B.BIS |
| 15.00 | 0.447 | 1.393 | .6619E+01 | -.1307E+00 | .8260E+00 | .8710E+01 | .5575E+01 | .5176E+01 | .9891E+00 | .2603E+01 | -.4546E+00 | D0709B.BIS |
| 16.00 | 0.474 | 1.447 | .6282E+01 | -.8003E-02 | .6978E+00 | .7320E+01 | .5246E+01 | .4789E+01 | .5106E+00 | .2076E+01 | -.3928E+00 | D0709B.BIS |
| 17.00 | 0.499 | 1.500 | .6072E+01 | -.8595E-01 | .7542E+00 | .7570E+01 | .4990E+01 | .4352E+01 | .5855E+00 | .2143E+01 | -.3146E+00 | D0709B.BIS |
| 18.00 | 0.526 | 1.554 | .5937E+01 | .7641E-01 | .6950E+00 | .6690E+01 | .4718E+01 | .3818E+01 | .7590E+00 | .1689E+01 | -.3373E+00 | D0709B.BIS |
| 19.00 | 0.555 | 1.607 | .5788E+01 | -.5082E-01 | .6505E+00 | .6120E+01 | .4499E+01 | .3884E+01 | .5239E+00 | .1784E+01 | -.3638E+00 | D0709B.BIS |
| 0.20 | 0.099 | -0.199 | .3013E+02 | -.5072E+00 | -.6664E-01 | .1720E+00 | .1767E+00 | .4750E-01 | -.5504E-02 | .3494E-02 | -.5151E-01 | D0805B.BIS |
| 2.00 | 0.197 | -0.233 | .2531E+02 | .3335E+00 | .5350E+00 | .1860E+02 | .1173E+02 | .1163E+02 | .7693E+01 | -.3144E+01 | -.1036E+01 | D0805B.BIS |
| 3.00 | 0.250 | -0.250 | .2061E+02 | -.9749E-01 | .8197E+00 | .2920E+02 | .1299E+02 | .1691E+02 | .9662E+01 | -.5282E+01 | -.5473E+00 | D0805B.BIS |
| 4.00 | 0.303 | -0.268 | .1837E+02 | -.8532E-01 | .4618E+00 | .2880E+02 | .1080E+02 | .1586E+02 | .8674E+01 | -.4393E+01 | -.7107E+00 | D0805B.BIS |
| 5.00 | 0.358 | -0.286 | .1666E+02 | -.2646E+00 | .1912E+00 | .2440E+02 | .1144E+02 | .1434E+02 | .7870E+01 | -.2940E+01 | -.1581E+00 | D0805B.BIS |
| 6.00 | 0.411 | -0.304 | .1507E+02 | -.1879E+00 | .2566E+00 | .2370E+02 | .1111E+02 | .1329E+02 | .6826E+01 | -.1958E+01 | .6746E+00 | D0805B.BIS |
| 7.00 | 0.465 | -0.322 | .1411E+02 | -.2295E+00 | -.8261E-02 | .2250E+02 | .1042E+02 | .1162E+02 | .7080E+01 | -.3220E+01 | -.4500E-01 | D0805B.BIS |
| 8.00 | 0.518 | -0.340 | .1313E+02 | .5745E-01 | .4769E-01 | .1980E+02 | .9794E+01 | .1068E+02 | .5475E+01 | -.2172E+01 | .6064E-01 | D0805B.BIS |
| 9.00 | 0.572 | -0.358 | .1244E+02 | .2227E-01 | .1345E+00 | .1890E+02 | .9284E+01 | .1034E+02 | .5526E+01 | -.2936E+01 | .2935E-01 | D0805B.BIS |
| 10.00 | 0.625 | -0.375 | .1160E+02 | .9145E-01 | .1777E+00 | .1630E+02 | .7958E+01 | .9330E+01 | .4582E+01 | -.2716E+01 | .4787E-01 | D0805B.BIS |
| 11.00 | 0.680 | -0.394 | .1117E+02 | .6768E-01 | .1628E+00 | .1500E+02 | .7681E+01 | .8125E+01 | .4523E+01 | -.2430E+01 | .2029E+00 | D0805B.BIS |
| 12.00 | 0.732 | -0.411 | .1033E+02 | .4697E-01 | .1472E-01 | .1330E+02 | .7142E+01 | .7499E+01 | .3423E+01 | -.1806E+01 | .1266E+00 | D0805B.BIS |
| 13.00 | 0.787 | -0.429 | .1010E+02 | .1528E-01 | -.5255E-01 | .1200E+02 | .6744E+01 | .6796E+01 | .3518E+01 | -.1870E+01 | .3587E+00 | D0805B.BIS |
| 14.00 | 0.839 | -0.447 | .9470E+01 | .1109E-01 | -.7848E-01 | .1130E+02 | .6210E+01 | .7209E+01 | .2978E+01 | -.2019E+01 | .3160E+00 | D0805B.BIS |
| 15.00 | 0.893 | -0.465 | .9385E+01 | .1252E+00 | .2969E-01 | .9780E+01 | .5891E+01 | .5755E+01 | .2413E+01 | -.1539E+01 | .2599E+00 | D0805B.BIS |
| 16.00 | 0.947 | -0.483 | .9073E+01 | .8233E-01 | -.1882E+00 | .9680E+01 | .5618E+01 | .5530E+01 | .2661E+01 | -.1262E+01 | .2409E+00 | D0805B.BIS |
| 17.00 | 1.000 | -0.501 | .8496E+01 | .1112E+00 | -.2012E+00 | .8230E+01 | .4852E+01 | .5429E+01 | .2032E+01 | -.1671E+01 | -.1014E+00 | D0805B.BIS |
| 18.00 | 1.054 | -0.519 | .8360E+01 | .1597E+00 | -.1638E+00 | .8530E+01 | .4629E+01 | .4802E+01 | .1914E+01 | -.1413E+01 | .1788E+00 | D0805B.BIS |
| 19.00 | 1.108 | -0.537 | .7879E+01 | .4443E-01 | -.2647E+00 | .7780E+01 | .4324E+01 | .4509E+01 | .2133E+01 | -.1103E+01 | -.6427E-01 | D0805B.BIS |
| 0.20 | 0.101 | -0.001 | .3024E+02 | .3870E+00 | .1544E+00 | .2000E+00 | .1248E+00 | .1714E+00 | .5798E-03 | .8223E-02 | .7827E-01 | D0806B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | $\overline{u^2}$ | $\overline{v^2}$ | $\overline{w^2}$ | \overline{uv} | \overline{vw} | \overline{uv} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 2.00 | 0.196 | 0.000 | .2530E+02 | .9226E+00 | -.3031E+00 | .1860E+02 | .1382E+02 | .1099E+02 | .7457E+01 | .1827E+01 | .1142E+01 | D0806B.BIS |
| 3.00 | 0.249 | 0.000 | .2194E+02 | .8628E+00 | -.4016E+00 | .2330E+02 | .1324E+02 | .1657E+02 | .8168E+01 | .1468E+01 | -.2481E+00 | D0806B.BIS |
| 4.00 | 0.304 | -0.001 | .2029E+02 | .8962E+00 | -.2922E+00 | .2500E+02 | .1240E+02 | .1597E+02 | .8154E+01 | .1494E+01 | -.8637E-01 | D0806B.BIS |
| 5.00 | 0.357 | -0.001 | .1934E+02 | .8040E+00 | -.4963E-01 | .2340E+02 | .1196E+02 | .1453E+02 | .7701E+01 | .7290E+00 | -.4965E+00 | D0806B.BIS |
| 6.00 | 0.410 | -0.001 | .1804E+02 | .7336E+00 | -.1106E+00 | .2390E+02 | .1123E+02 | .1375E+02 | .7440E+01 | .1146E+01 | -.5030E+00 | D0806B.BIS |
| 7.00 | 0.465 | -0.001 | .1693E+02 | .6586E+00 | .3638E-02 | .2230E+02 | .1057E+02 | .1244E+02 | .7105E+01 | .8177E+00 | -.5523E+00 | D0806B.BIS |
| 8.00 | 0.518 | 0.000 | .1590E+02 | .6725E+00 | .1014E+00 | .2030E+02 | .1051E+02 | .1204E+02 | .6079E+01 | .7663E+00 | -.2718E+00 | D0806B.BIS |
| 9.00 | 0.572 | 0.000 | .1461E+02 | .5682E+00 | .2011E+00 | .1860E+02 | .9165E+01 | .1081E+02 | .5336E+01 | .3257E+00 | -.3349E+00 | D0806B.BIS |
| 10.00 | 0.625 | -0.001 | .1374E+02 | .4456E+00 | .1425E+00 | .1840E+02 | .8911E+01 | .9968E+01 | .5773E+01 | .6375E+00 | -.1033E+00 | D0806B.BIS |
| 11.00 | 0.679 | -0.001 | .1290E+02 | .5620E+00 | .1977E+00 | .1600E+02 | .8277E+01 | .8887E+01 | .4792E+01 | .5924E+00 | -.3802E+00 | D0806B.BIS |
| 12.00 | 0.733 | -0.001 | .1212E+02 | .4362E+00 | .1289E+00 | .1380E+02 | .7496E+01 | .8021E+01 | .4186E+01 | .1035E+00 | -.2949E+00 | D0806B.BIS |
| 13.00 | 0.787 | -0.001 | .1152E+02 | .4780E+00 | .8722E-01 | .1290E+02 | .6784E+01 | .7721E+01 | .3411E+01 | .2836E+00 | -.3397E+00 | D0806B.BIS |
| 14.00 | 0.840 | 0.000 | .1075E+02 | .3559E+00 | .1567E+00 | .1160E+02 | .6314E+01 | .7059E+01 | .3236E+01 | .4092E+00 | -.2967E-01 | D0806B.BIS |
| 15.00 | 0.894 | 0.000 | .1038E+02 | .4785E+00 | .1235E+00 | .1050E+02 | .6076E+01 | .6570E+01 | .2904E+01 | .2347E+00 | -.2245E+00 | D0806B.BIS |
| 16.00 | 0.946 | -0.001 | .9905E+01 | .4201E+00 | .2119E+00 | .9410E+01 | .5591E+01 | .6156E+01 | .2428E+01 | .1624E+00 | -.1053E+00 | D0806B.BIS |
| 17.00 | 1.000 | -0.001 | .9343E+01 | .3347E+00 | .2487E-01 | .8690E+01 | .5075E+01 | .5419E+01 | .2261E+01 | .2051E+00 | -.7300E-01 | D0806B.BIS |
| 18.00 | 1.054 | -0.001 | .9119E+01 | .4118E+00 | .1845E+00 | .8010E+01 | .4903E+01 | .5101E+01 | .2127E+01 | .4889E-01 | -.1183E-01 | D0806B.BIS |
| 19.00 | 1.107 | 0.000 | .8610E+01 | .3403E+00 | .1111E+00 | .7290E+01 | .4513E+01 | .4713E+01 | .1893E+01 | .2727E+00 | .6440E-01 | D0806B.BIS |
| 0.20 | 0.100 | 0.200 | .3021E+02 | .1659E+00 | .6753E+00 | .1900E+02 | .2580E+02 | .2698E+02 | -.1047E-02 | .1379E-01 | .7838E-03 | D0807B.BIS |
| 2.00 | 0.196 | 0.232 | .2566E+02 | .5553E+00 | .2046E+00 | .1650E+02 | .1067E+02 | .9672E+01 | .5270E+01 | .5546E-01 | .8375E+00 | D0807B.BIS |
| 3.00 | 0.250 | 0.250 | .2063E+02 | .4410E+00 | -.1643E+00 | .2940E+02 | .1369E+02 | .1571E+02 | .9457E+01 | .2156E+01 | -.3910E+00 | D0807B.BIS |
| 4.00 | 0.303 | 0.268 | .1788E+02 | .2186E+00 | .4652E-01 | .2940E+02 | .1524E+02 | .1662E+02 | .9580E+01 | .4307E+01 | -.4805E+00 | D0807B.BIS |
| 5.00 | 0.358 | 0.286 | .1607E+02 | .1224E+00 | .2597E+00 | .3000E+02 | .1427E+02 | .1550E+02 | .8177E+01 | .4022E+01 | -.6116E+00 | D0807B.BIS |
| 6.00 | 0.411 | 0.303 | .1510E+02 | .2766E+00 | .1132E+00 | .2610E+02 | .1325E+02 | .1378E+02 | .7018E+01 | .3468E+01 | -.5692E+00 | D0807B.BIS |
| 7.00 | 0.465 | 0.322 | .1363E+02 | -.2521E-01 | .3821E+00 | .2440E+02 | .1364E+02 | .1316E+02 | .7040E+01 | .3123E+01 | -.1197E+01 | D0807B.BIS |
| 8.00 | 0.518 | 0.339 | .1359E+02 | .2258E+00 | .2643E+00 | .2090E+02 | .1037E+02 | .1265E+02 | .4962E+01 | .2899E+01 | -.1514E+01 | D0807B.BIS |
| 9.00 | 0.572 | 0.357 | .1297E+02 | .3864E+00 | .2904E+00 | .1930E+02 | .1058E+02 | .1112E+02 | .5224E+01 | .2386E+01 | -.5256E+00 | D0807B.BIS |
| 10.00 | 0.625 | 0.375 | .1175E+02 | .1779E+00 | .1216E+00 | .1900E+02 | .9426E+01 | .1053E+02 | .5265E+01 | .2638E+01 | -.6929E+00 | D0807B.BIS |
| 11.00 | 0.680 | 0.393 | .1142E+02 | .3679E+00 | .5914E-01 | .1500E+02 | .8785E+01 | .9589E+01 | .3977E+01 | .2503E+01 | -.4925E+00 | D0807B.BIS |
| 12.00 | 0.732 | 0.411 | .1090E+02 | .3854E+00 | .2498E+00 | .1390E+02 | .8211E+01 | .8222E+01 | .3567E+01 | .1612E+01 | -.6585E+00 | D0807B.BIS |
| 13.00 | 0.787 | 0.429 | .1036E+02 | .2975E+00 | .2755E+00 | .1310E+02 | .7429E+01 | .7678E+01 | .3501E+01 | .1350E+01 | -.8293E+00 | D0807B.BIS |
| 14.00 | 0.839 | 0.447 | .9903E+01 | .3184E+00 | .2763E+00 | .1140E+02 | .6406E+01 | .6925E+01 | .2823E+01 | .1084E+01 | -.6803E+00 | D0807B.BIS |
| 15.00 | 0.894 | 0.465 | .9479E+01 | .2934E+00 | .1625E+00 | .1030E+02 | .6548E+01 | .6280E+01 | .2685E+01 | .1546E+01 | -.4814E+00 | D0807B.BIS |
| 16.00 | 0.947 | 0.482 | .9092E+01 | .3463E+00 | .1926E+00 | .9370E+01 | .5783E+01 | .5732E+01 | .2074E+01 | .1208E+01 | -.3237E+00 | D0807B.BIS |
| 17.00 | 1.000 | 0.500 | .8657E+01 | .3527E+00 | .2443E+00 | .8930E+01 | .5013E+01 | .5375E+01 | .1937E+01 | .1071E+01 | -.3889E+00 | D0807B.BIS |
| 18.00 | 1.054 | 0.518 | .8122E+01 | .2730E+00 | .1899E+00 | .8070E+01 | .5068E+01 | .4777E+01 | .2003E+01 | .9198E+00 | -.2638E+00 | D0807B.BIS |
| 19.00 | 1.107 | 0.536 | .8029E+01 | .2426E+00 | .2623E+00 | .6950E+01 | .4573E+01 | .4262E+01 | .1464E+01 | .6388E+00 | -.1745E+00 | D0807B.BIS |
| 0.20 | 0.100 | 0.400 | .3016E+02 | -.2753E+00 | -.1313E+00 | .2740E+02 | .1079E+02 | .1085E+02 | -.1409E-01 | .1079E-01 | -.3188E-02 | D0808B.BIS |
| 2.00 | 0.196 | 0.464 | .2496E+02 | .9246E+00 | -.1416E+01 | .1870E+02 | .1642E+02 | .1384E+02 | .7108E+01 | -.9811E+00 | .1108E+01 | D0808B.BIS |
| 3.00 | 0.250 | 0.500 | .2043E+02 | .7785E+00 | -.1464E+01 | .2880E+02 | .1803E+02 | .2018E+02 | .1049E+02 | .1651E+01 | -.9559E+00 | D0808B.BIS |
| 4.00 | 0.303 | 0.535 | .1637E+02 | .5118E+00 | -.6081E+00 | .3090E+02 | .1753E+02 | .1953E+02 | .9424E+01 | .2566E+01 | -.2830E+01 | D0808B.BIS |
| 5.00 | 0.358 | 0.571 | .1383E+02 | .1679E+00 | .7729E-01 | .2740E+02 | .1528E+02 | .1624E+02 | .6944E+01 | .4633E+01 | -.2459E+01 | D0808B.BIS |
| 6.00 | 0.411 | 0.607 | .1281E+02 | .1586E+00 | .4840E+00 | .2290E+02 | .1357E+02 | .1278E+02 | .5480E+01 | .3473E+01 | -.2347E+01 | D0808B.BIS |
| 7.00 | 0.465 | 0.642 | .1118E+02 | -.7432E-01 | .5674E+00 | .1840E+02 | .1170E+02 | .1168E+02 | .4059E+01 | .3533E+01 | -.2296E+01 | D0808B.BIS |
| 8.00 | 0.518 | 0.678 | .1105E+02 | .3063E-01 | .5523E+00 | .1580E+02 | .1049E+02 | .1005E+02 | .3628E+01 | .3223E+01 | -.1402E+01 | D0808B.BIS |
| 9.00 | 0.572 | 0.714 | .9954E+01 | -.1366E-01 | .3405E+00 | .1480E+02 | .9154E+01 | .9281E+01 | .3086E+01 | .3276E+01 | -.1212E+01 | D0808B.BIS |
| 10.00 | 0.625 | 0.749 | .9614E+01 | .6281E-01 | .4878E+00 | .1330E+02 | .8255E+01 | .8150E+01 | .2858E+01 | .2686E+01 | -.9822E+00 | D0808B.BIS |
| 11.00 | 0.680 | 0.785 | .9219E+01 | .2464E-01 | .6038E+00 | .1230E+02 | .7457E+01 | .7691E+01 | .2363E+01 | .2319E+01 | -.1085E+01 | D0808B.BIS |
| 12.00 | 0.732 | 0.821 | .8504E+01 | .1092E+00 | .6313E+00 | .1170E+02 | .6965E+01 | .7013E+01 | .2052E+01 | .2563E+01 | -.7969E+00 | D0808B.BIS |
| 13.00 | 0.787 | 0.857 | .8212E+01 | .1151E+00 | .5505E+00 | .9610E+01 | .6775E+01 | .6851E+01 | .1776E+01 | .2117E+01 | -.9727E+00 | D0808B.BIS |
| 14.00 | 0.839 | 0.892 | .8121E+01 | .9613E-01 | .5260E+00 | .9670E+01 | .6072E+01 | .5677E+01 | .1980E+01 | .2059E+01 | -.5701E+00 | D0808B.BIS |
| 15.00 | 0.893 | 0.928 | .7894E+01 | .1707E+00 | .6182E+00 | .9000E+01 | .6015E+01 | .5874E+01 | .1681E+01 | .1981E+01 | -.5297E+00 | D0808B.BIS |
| 16.00 | 0.947 | 0.964 | .7578E+01 | .2314E+00 | .8277E+00 | .8770E+01 | .5515E+01 | .5384E+01 | .1717E+01 | .1625E+01 | -.5698E+00 | D0808B.BIS |
| 17.00 | 1.000 | 0.999 | .7205E+01 | .1898E+00 | .6717E+00 | .7440E+01 | .5601E+01 | .4940E+01 | .1628E+01 | .1339E+01 | -.4273E+00 | D0808B.BIS |
| 18.00 | 1.054 | 1.035 | .7177E+01 | .2361E+00 | .6265E+00 | .7600E+01 | .4858E+01 | .4709E+01 | .1382E+01 | .1513E+01 | -.3354E+00 | D0808B.BIS |
| 19.00 | 1.107 | 1.071 | .6797E+01 | .2665E+00 | .4504E+00 | .6660E+01 | .4396E+01 | .4028E+01 | .1266E+01 | .1318E+01 | -.3323E+00 | D0808B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{vw} | \overline{uw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 0.20 | 0.100 | 0.599 | .3016E+02 | -.1744E+00 | -.2348E+00 | .3070E+00 | .1075E+00 | .7044E-01 | -.8410E-02 | .7582E-02 | -.2522E-01 | D0809B.BIS |
| 2.00 | 0.196 | 0.696 | .2289E+02 | -.1317E+00 | -.1088E+01 | .3090E+02 | .1521E+02 | .1379E+02 | .1166E+02 | .1826E+01 | -.2078E+00 | D0809B.BIS |
| 3.00 | 0.250 | 0.750 | .1493E+02 | -.2637E+00 | -.2563E+00 | .3300E+02 | .1544E+02 | .1721E+02 | .9598E+01 | .4223E+01 | -.2437E+01 | D0809B.BIS |
| 4.00 | 0.303 | 0.803 | .1183E+02 | -.2634E+00 | -.5365E-01 | .2500E+02 | .1416E+02 | .1556E+02 | .6568E+01 | .4939E+01 | -.2495E+01 | D0809B.BIS |
| 5.00 | 0.358 | 0.857 | .1041E+02 | -.1151E+00 | .3366E+00 | .2070E+02 | .1165E+02 | .1285E+02 | .3957E+01 | .4864E+01 | -.1639E+01 | D0809B.BIS |
| 6.00 | 0.411 | 0.910 | .8933E+01 | -.1626E+00 | .4505E+00 | .1650E+02 | .1053E+02 | .1086E+02 | .2882E+01 | .3142E+01 | -.2099E+01 | D0809B.BIS |
| 7.00 | 0.465 | 0.964 | .8368E+01 | -.2262E+00 | .4640E+00 | .1510E+02 | .9187E+01 | .1031E+02 | .3004E+01 | .4025E+01 | -.1648E+01 | D0809B.BIS |
| 8.00 | 0.518 | 1.018 | .8129E+01 | -.6778E-01 | .5163E+00 | .1230E+02 | .8841E+01 | .9379E+01 | .2343E+01 | .3210E+01 | -.1599E+01 | D0809B.BIS |
| 9.00 | 0.572 | 1.071 | .7243E+01 | -.1975E+00 | .6155E+00 | .1220E+02 | .7777E+01 | .7798E+01 | .2080E+01 | .2837E+01 | -.1233E+01 | D0809B.BIS |
| 10.00 | 0.625 | 1.125 | .6978E+01 | -.2556E+00 | .7048E+00 | .1060E+02 | .7254E+01 | .7188E+01 | .2102E+01 | .2074E+01 | -.1273E+01 | D0809B.BIS |
| 11.00 | 0.680 | 1.179 | .6560E+01 | -.2289E+00 | .6867E+00 | .9290E+01 | .6956E+01 | .6914E+01 | .1452E+01 | .2159E+01 | -.1059E+01 | D0809B.BIS |
| 12.00 | 0.732 | 1.232 | .6095E+01 | -.2352E+00 | .4885E+00 | .8730E+01 | .6070E+01 | .6530E+01 | .1300E+01 | .2084E+01 | -.9790E+00 | D0809B.BIS |
| 13.00 | 0.787 | 1.286 | .6122E+01 | -.2376E+00 | .6332E+00 | .8570E+01 | .5681E+01 | .5953E+01 | .1621E+01 | .2160E+01 | -.7372E+00 | D0809B.BIS |
| 14.00 | 0.839 | 1.339 | .5751E+01 | -.2758E+00 | .5784E+00 | .7690E+01 | .5196E+01 | .5065E+01 | .1317E+01 | .1636E+01 | -.6359E+00 | D0809B.BIS |
| 15.00 | 0.893 | 1.393 | .5539E+01 | -.3255E+00 | .6285E+00 | .7690E+01 | .4652E+01 | .4973E+01 | .1149E+01 | .1596E+01 | -.6348E+00 | D0809B.BIS |
| 16.00 | 0.947 | 1.447 | .5539E+01 | -.3448E+00 | .6955E+00 | .6580E+01 | .4559E+01 | .4732E+01 | .1078E+01 | .1556E+01 | -.7920E+00 | D0809B.BIS |
| 17.00 | 1.000 | 1.500 | .5332E+01 | -.1903E+00 | .6386E+00 | .5840E+01 | .4233E+01 | .4239E+01 | .9700E+00 | .1316E+01 | -.3974E+00 | D0809B.BIS |
| 18.00 | 1.054 | 1.554 | .5351E+01 | -.2040E+00 | .5394E+00 | .5320E+01 | .4123E+01 | .3870E+01 | .9167E+00 | .1333E+01 | -.3604E+00 | D0809B.BIS |
| 19.00 | 1.107 | 1.607 | .5128E+01 | -.1061E+00 | .5191E+00 | .5470E+01 | .3544E+01 | .3636E+01 | .8240E+00 | .1267E+01 | -.3585E+00 | D0809B.BIS |
| 0.20 | 0.149 | -0.199 | .3013E+02 | -.2130E+00 | .6160E-01 | .2800E+00 | .9353E-01 | .6898E-01 | -.1597E-01 | .8002E-02 | -.1858E-01 | D0905B.BIS |
| 2.00 | 0.295 | -0.233 | .1856E+02 | .9464E+00 | .6104E+00 | .3170E+02 | .1684E+02 | .1992E+02 | .1180E+02 | -.5085E+01 | -.9018E+00 | D0905B.BIS |
| 3.00 | 0.375 | -0.250 | .1407E+02 | .3419E+00 | .4247E+00 | .2680E+02 | .1419E+02 | .1729E+02 | .8611E+01 | -.3796E+01 | -.5119E+00 | D0905B.BIS |
| 4.00 | 0.455 | -0.268 | .1226E+02 | .5482E-01 | .2380E+00 | .2100E+02 | .1209E+02 | .1413E+02 | .6830E+01 | -.3170E+01 | .2734E+00 | D0905B.BIS |
| 5.00 | 0.535 | -0.286 | .1127E+02 | .2179E-01 | .1805E+00 | .1900E+02 | .1009E+02 | .1308E+02 | .6203E+01 | -.2113E+01 | -.2884E+00 | D0905B.BIS |
| 6.00 | 0.616 | -0.304 | .9847E+01 | -.9849E-02 | .1761E+00 | .1820E+02 | .9722E+01 | .1129E+02 | .5390E+01 | -.2055E+01 | -.2881E-01 | D0905B.BIS |
| 7.00 | 0.697 | -0.322 | .9457E+01 | .1682E+00 | .2181E+00 | .1660E+02 | .9241E+01 | .1079E+02 | .5381E+01 | -.1997E+01 | -.2585E+00 | D0905B.BIS |
| 8.00 | 0.778 | -0.340 | .9075E+01 | .2352E+00 | -.9303E-01 | .1390E+02 | .8322E+01 | .9897E+01 | .4533E+01 | -.1679E+01 | -.1305E+00 | D0905B.BIS |
| 9.00 | 0.857 | -0.358 | .8245E+01 | .8087E-01 | .2001E+00 | .1340E+02 | .7393E+01 | .8526E+01 | .4212E+01 | -.9526E+00 | -.6671E-01 | D0905B.BIS |
| 10.00 | 0.937 | -0.375 | .8230E+01 | .2579E+00 | -.2536E+00 | .1190E+02 | .6845E+01 | .8358E+01 | .3260E+01 | -.1123E+01 | -.1158E+00 | D0905B.BIS |
| 11.00 | 1.018 | -0.394 | .7621E+01 | .3310E+00 | -.3133E-01 | .1090E+02 | .6460E+01 | .7676E+01 | .3407E+01 | -.1339E+01 | -.5348E-01 | D0905B.BIS |
| 12.00 | 1.099 | -0.411 | .7350E+01 | .2482E+00 | -.9829E-01 | .1040E+02 | .6064E+01 | .7004E+01 | .2859E+01 | -.1183E+01 | .8615E-02 | D0905B.BIS |
| 13.00 | 1.180 | -0.429 | .7180E+01 | .2157E+00 | .6093E-01 | .9700E+01 | .5672E+01 | .6406E+01 | .3094E+01 | -.1161E+01 | -.2533E-01 | D0905B.BIS |
| 14.00 | 1.259 | -0.447 | .6931E+01 | .3204E+00 | -.1222E+00 | .8210E+01 | .5516E+01 | .5907E+01 | .2423E+01 | -.9611E+00 | .3256E+00 | D0905B.BIS |
| 15.00 | 1.339 | -0.465 | .7078E+01 | .3388E+00 | -.3754E+00 | .7840E+01 | .5533E+01 | .5756E+01 | .2359E+01 | -.9810E+00 | .2845E+00 | D0905B.BIS |
| 16.00 | 1.420 | -0.483 | .6634E+01 | .3237E+00 | -.2952E+00 | .7790E+01 | .4893E+01 | .5211E+01 | .2184E+01 | -.1443E+01 | .2763E+00 | D0905B.BIS |
| 17.00 | 1.501 | -0.501 | .6198E+01 | .2523E+00 | -.1031E+00 | .6720E+01 | .4055E+01 | .4756E+01 | .1902E+01 | -.1171E+01 | -.1613E-01 | D0905B.BIS |
| 18.00 | 1.582 | -0.519 | .6442E+01 | .2074E+00 | -.3602E+00 | .6150E+01 | .3897E+01 | .4472E+01 | .1690E+01 | -.1066E+01 | .1120E+00 | D0905B.BIS |
| 19.00 | 1.661 | -0.537 | .6248E+01 | .1191E+00 | -.3114E+00 | .6000E+01 | .3590E+01 | .4026E+01 | .1724E+01 | -.7991E+00 | -.1338E-01 | D0905B.BIS |
| 0.20 | 0.150 | 0.000 | .2966E+02 | -.5137E+00 | -.7429E-01 | .1020E+00 | .1069E+00 | .9866E-01 | .2249E-02 | .4985E-02 | -.9886E-02 | D0906B.BIS |
| 2.00 | 0.295 | 0.000 | .1839E+02 | .5503E+00 | -.2289E-01 | .3030E+02 | .1926E+02 | .1993E+02 | .1144E+02 | -.1131E+01 | -.1002E+01 | D0906B.BIS |
| 3.00 | 0.375 | 0.000 | .1654E+02 | .8877E+00 | .3013E+00 | .2890E+02 | .1469E+02 | .1966E+02 | .9439E+01 | -.5486E+00 | -.1197E+01 | D0906B.BIS |
| 4.00 | 0.454 | -0.001 | .1596E+02 | .8390E+00 | .2811E+00 | .2450E+02 | .1357E+02 | .1786E+02 | .8010E+01 | -.7161E+00 | -.9495E+00 | D0906B.BIS |
| 5.00 | 0.535 | -0.001 | .1534E+02 | .8729E+00 | .3208E+00 | .2330E+02 | .1309E+02 | .1585E+02 | .7075E+01 | -.9082E+00 | -.4304E+00 | D0906B.BIS |
| 6.00 | 0.616 | -0.001 | .1398E+02 | .6003E+00 | .3224E+00 | .2300E+02 | .1128E+02 | .1396E+02 | .7068E+01 | -.6261E+00 | -.5305E+00 | D0906B.BIS |
| 7.00 | 0.697 | -0.001 | .1304E+02 | .6445E+00 | .2749E+00 | .1980E+02 | .1026E+02 | .1248E+02 | .6088E+01 | -.3505E+00 | -.5665E+00 | D0906B.BIS |
| 8.00 | 0.778 | 0.000 | .1191E+02 | .4635E+00 | .4342E+00 | .1760E+02 | .8874E+01 | .1155E+02 | .5170E+01 | -.8004E+00 | .7352E+00 | D0906B.BIS |
| 9.00 | 0.857 | 0.000 | .1107E+02 | .3178E+00 | .3591E+00 | .1520E+02 | .8758E+01 | .9970E+01 | .4792E+01 | -.4853E+00 | -.5687E+00 | D0906B.BIS |
| 10.00 | 0.937 | -0.001 | .1002E+02 | .3381E+00 | .4223E+00 | .1340E+02 | .7671E+01 | .8839E+01 | .4084E+01 | -.7025E+00 | -.6204E+00 | D0906B.BIS |
| 11.00 | 1.018 | -0.001 | .9444E+01 | .2760E+00 | .3885E+00 | .1230E+02 | .6843E+01 | .8137E+01 | .3767E+01 | -.5568E+00 | -.4442E+00 | D0906B.BIS |
| 12.00 | 1.099 | -0.001 | .8766E+01 | .1993E+00 | .3449E+00 | .1100E+02 | .6139E+01 | .7121E+01 | .3102E+01 | -.4825E+00 | -.4917E+00 | D0906B.BIS |
| 13.00 | 1.180 | 0.000 | .8645E+01 | .3836E+00 | .1279E+00 | .1000E+02 | .5706E+01 | .6861E+01 | .2782E+01 | -.4952E+00 | -.2105E+00 | D0906B.BIS |
| 14.00 | 1.259 | 0.000 | .7961E+01 | .3109E+00 | .2987E+00 | .8920E+01 | .5524E+01 | .5971E+01 | .2719E+01 | -.1319E+00 | -.2018E+00 | D0906B.BIS |
| 15.00 | 1.339 | -0.001 | .7448E+01 | .2790E+00 | .2330E+00 | .8400E+01 | .5078E+01 | .5656E+01 | .2387E+01 | -.2328E+00 | -.1841E+00 | D0906B.BIS |
| 16.00 | 1.420 | -0.001 | .7198E+01 | .2296E+00 | .3237E+00 | .7920E+01 | .4584E+01 | .5146E+01 | .2147E+01 | -.2326E+00 | -.2140E+00 | D0906B.BIS |
| 17.00 | 1.501 | -0.001 | .6908E+01 | .2509E+00 | .2514E+00 | .7030E+01 | .4516E+01 | .4708E+01 | .1952E+01 | -.1914E+00 | -.8308E-01 | D0906B.BIS |
| 18.00 | 1.582 | 0.000 | .6347E+01 | .1286E+00 | .3085E+00 | .6390E+01 | .4020E+01 | .4208E+01 | .1652E+01 | -.1985E+00 | -.1772E+00 | D0906B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{UU} | \overline{VV} | \overline{WW} | \overline{UV} | \overline{UW} | \overline{VW} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 19.00 | 1.661 | -0.001 | .6118E+01 | .1204E+00 | .3037E+00 | .5850E+01 | .3757E+01 | .3964E+01 | .1680E+01 | -.8083E-01 | -.3381E-01 | D0906B.BIS |
| 0.20 | 0.150 | 0.199 | .3017E+02 | .4975E-01 | -.7258E-01 | .1800E+00 | .9826E-01 | .8295E-01 | -.2428E-01 | .2277E-02 | -.1333E-01 | D0907B.BIS |
| 2.00 | 0.295 | 0.232 | .1844E+02 | .1337E+01 | -.1013E+01 | .3260E+02 | .1807E+02 | .2074E+02 | .1205E+02 | .2831E+01 | .9143E+00 | D0907B.BIS |
| 3.00 | 0.375 | 0.250 | .1460E+02 | .4878E+00 | -.1762E+00 | .2610E+02 | .1392E+02 | .1768E+02 | .7964E+01 | .1587E+01 | -.1508E+00 | D0907B.BIS |
| 4.00 | 0.455 | 0.268 | .1346E+02 | .4734E+00 | .1810E+00 | .2130E+02 | .1160E+02 | .1664E+02 | .6521E+01 | .9070E+00 | -.1448E+01 | D0907B.BIS |
| 5.00 | 0.535 | 0.286 | .1264E+02 | .4612E+00 | .4509E+00 | .2170E+02 | .1087E+02 | .1454E+02 | .6637E+01 | .9007E+00 | -.1334E+01 | D0907B.BIS |
| 6.00 | 0.616 | 0.303 | .1196E+02 | .5407E+00 | .5352E+00 | .1850E+02 | .9951E+01 | .1298E+02 | .5202E+01 | .1514E+01 | -.7665E+00 | D0907B.BIS |
| 7.00 | 0.697 | 0.322 | .1089E+02 | .5461E+00 | .5828E+00 | .1740E+02 | .9558E+01 | .1157E+02 | .5211E+01 | .1340E+01 | -.5845E+00 | D0907B.BIS |
| 8.00 | 0.778 | 0.339 | .9831E+01 | .6224E+00 | .5100E+00 | .1550E+02 | .9002E+01 | .1065E+02 | .4674E+01 | .1090E+01 | -.8500E+00 | D0907B.BIS |
| 9.00 | 0.857 | 0.357 | .9139E+01 | .4457E+00 | .3463E+00 | .1400E+02 | .8174E+01 | .9924E+01 | .4302E+01 | .1058E+01 | -.5837E+00 | D0907B.BIS |
| 10.00 | 0.937 | 0.375 | .8536E+01 | .5375E+00 | .3140E+00 | .1290E+02 | .7796E+01 | .9192E+01 | .3674E+01 | .1210E+01 | -.3878E+00 | D0907B.BIS |
| 11.00 | 1.018 | 0.393 | .7937E+01 | .5375E+00 | .3031E+00 | .1220E+02 | .7263E+01 | .8524E+01 | .3382E+01 | .1426E+01 | -.6216E+00 | D0907B.BIS |
| 12.00 | 1.099 | 0.411 | .7624E+01 | .5777E+00 | .3700E+00 | .1120E+02 | .6812E+01 | .7428E+01 | .3172E+01 | .9544E+00 | -.3432E+00 | D0907B.BIS |
| 13.00 | 1.180 | 0.429 | .7342E+01 | .5366E+00 | .3308E+00 | .9760E+01 | .6372E+01 | .7040E+01 | .2571E+01 | .1155E+01 | -.3804E+00 | D0907B.BIS |
| 14.00 | 1.259 | 0.447 | .6850E+01 | .5415E+00 | .3796E+00 | .9180E+01 | .5815E+01 | .6332E+01 | .2620E+01 | .8294E+00 | -.3626E+00 | D0907B.BIS |
| 15.00 | 1.340 | 0.465 | .6541E+01 | .4386E+00 | .3869E+00 | .8000E+01 | .5569E+01 | .5797E+01 | .2365E+01 | .9059E+00 | -.3279E+00 | D0907B.BIS |
| 16.00 | 1.420 | 0.482 | .6221E+01 | .4888E+00 | .2367E+00 | .7790E+01 | .5164E+01 | .5312E+01 | .1933E+01 | .1203E+01 | -.2159E+00 | D0907B.BIS |
| 17.00 | 1.501 | 0.500 | .6078E+01 | .4754E+00 | .3074E+00 | .6680E+01 | .4461E+01 | .4904E+01 | .1975E+01 | .2795E+00 | -.2457E+00 | D0907B.BIS |
| 18.00 | 1.582 | 0.518 | .5882E+01 | .4655E+00 | .2785E+00 | .5960E+01 | .4138E+01 | .4207E+01 | .1689E+01 | .5283E+00 | -.2722E+00 | D0907B.BIS |
| 19.00 | 1.661 | 0.536 | .5584E+01 | .5167E+00 | .3104E+00 | .6250E+01 | .3837E+01 | .3893E+01 | .1610E+01 | .6561E+00 | -.1124E+00 | D0907B.BIS |
| 0.20 | 0.149 | 0.400 | .3016E+02 | .8988E-01 | .7031E-01 | .2850E+00 | .1047E+00 | .1459E+00 | .1511E-01 | .1902E-01 | .6688E-01 | D0908B.BIS |
| 2.00 | 0.295 | 0.464 | .1699E+02 | .1013E+01 | -.7689E-01 | .3320E+02 | .1598E+02 | .2105E+02 | .1117E+02 | -.6416E+01 | .1411E+01 | D0908B.BIS |
| 3.00 | 0.375 | 0.500 | .1510E+02 | .1109E+01 | -.9586E-01 | .2570E+02 | .1470E+02 | .1740E+02 | .8577E+01 | -.1764E+01 | -.7876E+00 | D0908B.BIS |
| 4.00 | 0.455 | 0.535 | .1268E+02 | .7077E+00 | .3124E+00 | .2270E+02 | .1200E+02 | .1517E+02 | .6713E+01 | .1466E+01 | -.1312E+01 | D0908B.BIS |
| 5.00 | 0.535 | 0.571 | .1110E+02 | .5225E+00 | .5631E+00 | .2080E+02 | .1117E+02 | .1413E+02 | .6025E+01 | .2596E+01 | -.1077E+01 | D0908B.BIS |
| 6.00 | 0.616 | 0.607 | .9981E+01 | .4939E+00 | .7147E+00 | .1760E+02 | .9864E+01 | .1310E+02 | .5454E+01 | .1941E+01 | -.1404E+01 | D0908B.BIS |
| 7.00 | 0.697 | 0.643 | .8729E+01 | .4150E+00 | .6160E+00 | .1660E+02 | .9441E+01 | .1159E+02 | .4276E+01 | .1814E+01 | -.1028E+01 | D0908B.BIS |
| 8.00 | 0.778 | 0.678 | .8305E+01 | .2188E+00 | .6275E+00 | .1470E+02 | .8820E+01 | .1089E+02 | .4099E+01 | .1783E+01 | -.1245E+01 | D0908B.BIS |
| 9.00 | 0.857 | 0.714 | .7405E+01 | .4744E-01 | .5321E+00 | .1370E+02 | .7971E+01 | .8909E+01 | .3364E+01 | .1736E+01 | -.1032E+01 | D0908B.BIS |
| 10.00 | 0.937 | 0.749 | .7197E+01 | .6223E-01 | .5822E+00 | .1150E+02 | .7234E+01 | .8304E+01 | .3172E+01 | .1049E+01 | -.1101E+01 | D0908B.BIS |
| 11.00 | 1.018 | 0.785 | .6829E+01 | .7929E-01 | .5219E+00 | .1110E+02 | .6891E+01 | .7560E+01 | .2968E+01 | .1737E+01 | -.8818E+00 | D0908B.BIS |
| 12.00 | 1.099 | 0.821 | .6170E+01 | -.1354E+00 | .6111E+00 | .9530E+01 | .5616E+01 | .6395E+01 | .2301E+01 | .1455E+01 | -.5815E+00 | D0908B.BIS |
| 13.00 | 1.180 | 0.857 | .6006E+01 | -.1265E+00 | .6263E+00 | .8600E+01 | .5194E+01 | .5856E+01 | .2057E+01 | .1270E+01 | -.6598E+00 | D0908B.BIS |
| 14.00 | 1.259 | 0.892 | .5837E+01 | -.1539E+00 | .5627E+00 | .7630E+01 | .4729E+01 | .5701E+01 | .1875E+01 | .9831E+00 | -.6376E+00 | D0908B.BIS |
| 15.00 | 1.339 | 0.928 | .5499E+01 | -.2355E+00 | .6903E+00 | .6890E+01 | .4305E+01 | .4361E+01 | .1753E+01 | .9863E+00 | -.4012E+00 | D0908B.BIS |
| 16.00 | 1.420 | 0.964 | .5553E+01 | -.2275E+00 | .6503E+00 | .6290E+01 | .4116E+01 | .4411E+01 | .1572E+01 | .6092E+00 | -.4719E+00 | D0908B.BIS |
| 17.00 | 1.501 | 0.999 | .5257E+01 | -.2871E+00 | .6462E+00 | .5640E+01 | .3727E+01 | .4096E+01 | .1367E+01 | .6938E+00 | -.3549E+00 | D0908B.BIS |
| 18.00 | 1.582 | 1.035 | .4846E+01 | -.2234E+00 | .6539E+00 | .5180E+01 | .3134E+01 | .3647E+01 | .1091E+01 | .8946E+00 | -.2862E+00 | D0908B.BIS |
| 19.00 | 1.661 | 1.071 | .5091E+01 | -.1485E+00 | .6930E+00 | .5090E+01 | .3448E+01 | .3626E+01 | .1222E+01 | .7002E+00 | -.3532E+00 | D0908B.BIS |
| 0.20 | 0.149 | 0.599 | .3013E+02 | -.2006E+00 | .5183E-02 | .1630E+00 | .8017E-01 | .1082E+00 | -.8281E-02 | .4294E-02 | .5418E-01 | D0909B.BIS |
| 2.00 | 0.295 | 0.696 | .1371E+02 | .4363E+00 | -.6270E+00 | .3500E+02 | .2468E+02 | .2292E+02 | .1198E+02 | .6247E+01 | .1655E+01 | D0909B.BIS |
| 3.00 | 0.375 | 0.750 | .9760E+01 | -.2259E+00 | .7655E+00 | .2580E+02 | .1633E+02 | .1917E+02 | .7176E+01 | .3360E+01 | -.1814E+01 | D0909B.BIS |
| 4.00 | 0.455 | 0.803 | .7540E+01 | -.1850E+00 | .8557E+00 | .1890E+02 | .1124E+02 | .1316E+02 | .4062E+01 | .3036E+01 | -.8785E+00 | D0909B.BIS |
| 5.00 | 0.535 | 0.857 | .6529E+01 | -.1919E+00 | .6688E+00 | .1440E+02 | .9489E+01 | .9892E+01 | .3264E+01 | .2345E+01 | -.1312E+01 | D0909B.BIS |
| 6.00 | 0.616 | 0.910 | .6135E+01 | -.3375E-01 | .7625E+00 | .1150E+02 | .7845E+01 | .8869E+01 | .2196E+01 | .2258E+01 | -.1125E+01 | D0909B.BIS |
| 7.00 | 0.697 | 0.964 | .6104E+01 | .5633E-01 | .7155E+00 | .1070E+02 | .7539E+01 | .7516E+01 | .2309E+01 | .2036E+01 | -.9746E+00 | D0909B.BIS |
| 8.00 | 0.777 | 1.018 | .5654E+01 | -.9355E-01 | .7419E+00 | .9050E+01 | .6339E+01 | .6970E+01 | .1772E+01 | .2282E+01 | -.6285E+00 | D0909B.BIS |
| 9.00 | 0.857 | 1.071 | .5387E+01 | .4751E-01 | .8453E+00 | .8270E+01 | .5759E+01 | .6270E+01 | .1571E+01 | .1721E+01 | -.5341E+00 | D0909B.BIS |
| 10.00 | 0.937 | 1.125 | .5231E+01 | -.4806E-01 | .7709E+00 | .7850E+01 | .5162E+01 | .5762E+01 | .1398E+01 | .1750E+01 | -.6032E+00 | D0909B.BIS |
| 11.00 | 1.018 | 1.178 | .5062E+01 | .4993E-01 | .6533E+00 | .6860E+01 | .4916E+01 | .4914E+01 | .1270E+01 | .1594E+01 | -.2357E+00 | D0909B.BIS |
| 12.00 | 1.099 | 1.232 | .4737E+01 | -.1285E+00 | .8500E+00 | .6520E+01 | .4373E+01 | .4538E+01 | .1403E+01 | .1485E+01 | -.2290E+00 | D0909B.BIS |
| 13.00 | 1.180 | 1.286 | .4496E+01 | -.1120E+00 | .8705E+00 | .5980E+01 | .4045E+01 | .4233E+01 | .1138E+01 | .1390E+01 | .7720E-02 | D0909B.BIS |
| 14.00 | 1.259 | 1.339 | .4484E+01 | -.1828E+00 | .7735E+00 | .5810E+01 | .3992E+01 | .4036E+01 | .1031E+01 | .1266E+01 | -.3001E+00 | D0909B.BIS |
| 15.00 | 1.339 | 1.393 | .4402E+01 | -.4994E-01 | .8129E+00 | .5390E+01 | .3953E+01 | .3872E+01 | .1011E+01 | .1184E+01 | -.2751E+00 | D0909B.BIS |
| 16.00 | 1.420 | 1.447 | .4245E+01 | -.1628E+00 | .7737E+00 | .5230E+01 | .3688E+01 | .3486E+01 | .9409E+00 | .1066E+01 | -.9045E-01 | D0909B.BIS |
| 17.00 | 1.501 | 1.500 | .4096E+01 | -.1247E+00 | .7607E+00 | .5000E+01 | .3474E+01 | .3347E+01 | .1143E+01 | .1093E+01 | -.6861E-01 | D0909B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 18.00 | 1.582 | 1.554 | .4127E+01 | -.8703E-01 | .7147E+00 | .4660E+01 | .3335E+01 | .3101E+01 | .8678E+00 | .9678E+00 | .3289E-01 | D0909B.BIS |
| 19.00 | 1.661 | 1.607 | .4069E+01 | -.5107E-01 | .6952E+00 | .4120E+01 | .3059E+01 | .2897E+01 | .8021E+00 | .9053E+00 | -.1343E-01 | D0909B.BIS |
| 0.20 | 0.199 | 0.000 | .3026E+02 | .2868E+00 | .7318E-01 | .2190E+00 | .1014E+00 | .1163E+00 | -.4677E-02 | .6826E-02 | .1048E-01 | D1006B.BIS |
| 2.00 | 0.393 | -0.001 | .1124E+02 | .7711E+00 | -.3709E+00 | .2760E+02 | .1863E+02 | .2047E+02 | .9429E+01 | .3348E+01 | -.1301E+01 | D1006B.BIS |
| 3.00 | 0.499 | -0.001 | .1091E+02 | .9034E+00 | .6782E-01 | .2260E+02 | .1312E+02 | .1640E+02 | .7127E+01 | .1954E+01 | -.6409E+00 | D1006B.BIS |
| 4.00 | 0.607 | -0.001 | .1059E+02 | .7965E+00 | .3412E+00 | .1960E+02 | .1108E+02 | .1439E+02 | .6176E+01 | .1794E+01 | -.9261E+00 | D1006B.BIS |
| 5.00 | 0.714 | -0.001 | .1000E+02 | .8627E+00 | .5199E+00 | .1790E+02 | .9806E+01 | .1278E+02 | .5530E+01 | .1548E+01 | -.5055E+00 | D1006B.BIS |
| 6.00 | 0.821 | 0.000 | .9373E+01 | .7616E+00 | .3930E+00 | .1640E+02 | .9490E+01 | .1195E+02 | .5082E+01 | .1033E+01 | -.4852E+00 | D1006B.BIS |
| 7.00 | 0.928 | 0.000 | .8682E+01 | .7327E+00 | .3533E+00 | .1470E+02 | .8956E+01 | .1031E+02 | .5018E+01 | .3377E+00 | -.7337E+00 | D1006B.BIS |
| 8.00 | 1.035 | -0.001 | .8010E+01 | .7156E+00 | .2377E+00 | .1320E+02 | .8045E+01 | .9489E+01 | .4354E+01 | .3346E-01 | -.4838E+00 | D1006B.BIS |
| 9.00 | 1.143 | -0.001 | .7570E+01 | .7564E+00 | .2874E+00 | .1140E+02 | .7194E+01 | .8530E+01 | .4049E+01 | .3740E-01 | -.3757E+00 | D1006B.BIS |
| 10.00 | 1.250 | -0.001 | .6956E+01 | .6082E+00 | .4640E+00 | .9690E+01 | .6483E+01 | .7283E+01 | .3057E+01 | -.2934E+00 | -.4813E+00 | D1006B.BIS |
| 11.00 | 1.357 | -0.001 | .6622E+01 | .5685E+00 | .4781E+00 | .8990E+01 | .5725E+01 | .6475E+01 | .2795E+01 | .1231E+00 | -.3608E+00 | D1006B.BIS |
| 12.00 | 1.464 | 0.000 | .6382E+01 | .6534E+00 | .2006E+00 | .8060E+01 | .5404E+01 | .6092E+01 | .2487E+01 | -.1218E+00 | -.3416E+00 | D1006B.BIS |
| 13.00 | 1.571 | 0.000 | .6131E+01 | .5156E+00 | .1913E+00 | .7320E+01 | .4834E+01 | .5630E+01 | .2208E+01 | -.1566E+00 | -.3048E+00 | D1006B.BIS |
| 14.00 | 1.678 | -0.001 | .5855E+01 | .5151E+00 | .5675E+00 | .6860E+01 | .4484E+01 | .5098E+01 | .2241E+01 | -.2059E+00 | -.1800E+00 | D1006B.BIS |
| 15.00 | 1.785 | -0.001 | .5604E+01 | .5562E+00 | .1843E+00 | .6160E+01 | .4227E+01 | .4535E+01 | .1852E+01 | -.7055E-01 | -.1827E+00 | D1006B.BIS |
| 16.00 | 1.891 | -0.001 | .5490E+01 | .5343E+00 | .4212E+00 | .5510E+01 | .4054E+01 | .4473E+01 | .1789E+01 | -.1149E+00 | -.6712E-01 | D1006B.BIS |
| 17.00 | 1.999 | -0.001 | .5289E+01 | .4705E+00 | .3780E+00 | .5090E+01 | .3656E+01 | .4048E+01 | .1519E+01 | -.2010E-01 | -.6255E-01 | D1006B.BIS |
| 18.00 | 2.106 | 0.000 | .5020E+01 | .4457E+00 | .4526E+00 | .4940E+01 | .3461E+01 | .3738E+01 | .1479E+01 | -.2172E+00 | -.9606E-01 | D1006B.BIS |
| 19.00 | 2.213 | 0.000 | .4915E+01 | .4361E+00 | .3377E+00 | .4230E+01 | .3205E+01 | .3436E+01 | .1306E+01 | -.2581E+00 | -.7921E-01 | D1006B.BIS |
| 0.20 | 0.200 | 0.799 | .3025E+02 | -.1341E+00 | -.1033E+00 | .2870E+00 | .1073E+00 | .1281E+00 | -.2180E-01 | .4745E-02 | .1846E-01 | D1010B.BIS |
| 2.00 | 0.393 | 0.928 | .5127E+01 | .7187E+00 | .1273E+00 | .1580E+02 | .1102E+02 | .1073E+02 | .4809E+01 | .6161E+00 | -.7358E+00 | D1010B.BIS |
| 3.00 | 0.499 | 0.999 | .3482E+01 | .3654E-01 | .5347E+00 | .1080E+02 | .6750E+01 | .7184E+01 | .2182E+01 | .1619E+01 | .4172E-01 | D1010B.BIS |
| 4.00 | 0.607 | 1.071 | .2291E+01 | -.8602E-01 | .4436E+00 | .7060E+01 | .4427E+01 | .4641E+01 | .1084E+01 | .9949E+00 | .2263E+00 | D1010B.BIS |
| 5.00 | 0.714 | 1.142 | .1986E+01 | .1824E-01 | .4104E+00 | .6040E+01 | .4115E+01 | .4180E+01 | .1163E+01 | .9526E+00 | .1925E+00 | D1010B.BIS |
| 6.00 | 0.821 | 1.214 | .1822E+01 | -.1393E+00 | .3635E+00 | .4960E+01 | .3102E+01 | .3070E+01 | .9154E+00 | .7707E+00 | .2472E+00 | D1010B.BIS |
| 7.00 | 0.928 | 1.285 | .2107E+01 | .6117E-01 | .4446E+00 | .6090E+01 | .3748E+01 | .3979E+01 | .8566E+00 | .1138E+01 | .3396E-01 | D1010B.BIS |
| 8.00 | 1.036 | 1.357 | .1427E+01 | -.4441E-01 | .3723E+00 | .4760E+01 | .2793E+01 | .3441E+01 | .5997E+00 | .1158E+01 | .5029E-01 | D1010B.BIS |
| 9.00 | 1.143 | 1.428 | .1738E+01 | -.2495E+00 | .3852E+00 | .4670E+01 | .2660E+01 | .2887E+01 | .5044E+00 | .8960E+00 | -.5787E-01 | D1010B.BIS |
| 10.00 | 1.250 | 1.499 | .1541E+01 | -.3297E+00 | .2462E+00 | .3970E+01 | .2299E+01 | .2359E+01 | .5133E+00 | .7523E+00 | .1669E+00 | D1010B.BIS |
| 11.00 | 1.357 | 1.571 | .1654E+01 | -.4096E+00 | .2827E+00 | .3520E+01 | .1952E+01 | .2080E+01 | .5027E+00 | .7733E+00 | .1807E+00 | D1010B.BIS |
| 12.00 | 1.464 | 1.642 | .1708E+01 | -.4537E+00 | .3091E+00 | .3390E+01 | .2085E+01 | .2076E+01 | .3765E+00 | .6908E+00 | .1001E+00 | D1010B.BIS |
| 13.00 | 1.571 | 1.714 | .1722E+01 | -.3958E+00 | .2954E+00 | .3250E+01 | .1794E+01 | .1907E+01 | .3918E+00 | .7160E+00 | .6515E-01 | D1010B.BIS |
| 14.00 | 1.678 | 1.785 | .1665E+01 | -.3954E+00 | .2994E+00 | .3310E+01 | .1786E+01 | .1820E+01 | .2973E+00 | .7707E+00 | .2485E-01 | D1010B.BIS |
| 15.00 | 1.785 | 1.857 | .1814E+01 | -.4494E+00 | .4744E+00 | .3200E+01 | .1834E+01 | .1969E+01 | .2953E+00 | .7527E+00 | .6507E-01 | D1010B.BIS |
| 16.00 | 1.892 | 1.928 | .1703E+01 | -.4065E+00 | .3595E+00 | .3090E+01 | .1642E+01 | .1758E+01 | .2711E+00 | .7358E+00 | .8140E-01 | D1010B.BIS |
| 17.00 | 1.999 | 1.999 | .1741E+01 | -.4529E+00 | .3614E+00 | .2910E+01 | .1697E+01 | .1849E+01 | .2682E+00 | .7360E+00 | .1170E+00 | D1010B.BIS |
| 18.00 | 2.106 | 2.070 | .1886E+01 | -.4087E+00 | .3532E+00 | .2980E+01 | .1774E+01 | .1664E+01 | .2800E+00 | .6548E+00 | .1487E+00 | D1010B.BIS |
| 19.00 | 2.213 | 2.142 | .2076E+01 | -.3504E+00 | .5166E+00 | .2840E+01 | .1707E+01 | .1856E+01 | .3325E+00 | .6831E+00 | .1774E-01 | D1010B.BIS |
| 0.20 | 0.249 | 0.000 | .2045E+02 | .4227E+00 | .2290E+00 | .4430E+01 | .1239E+00 | .1737E+00 | -.4335E-01 | .7011E-01 | .6677E-01 | D1106B.BIS |
| 2.00 | 0.490 | 0.000 | .6124E+01 | .1238E+00 | .1210E+00 | .1490E+02 | .1163E+02 | .1347E+02 | .4736E+01 | .1282E+01 | -.9086E+00 | D1106B.BIS |
| 3.00 | 0.625 | 0.000 | .7145E+01 | .5224E+00 | .4651E+00 | .1380E+02 | .9272E+01 | .1047E+02 | .4081E+01 | .1337E+01 | -.5223E+00 | D1106B.BIS |
| 4.00 | 0.759 | 0.000 | .6739E+01 | .4259E+00 | .5716E+00 | .1330E+02 | .8523E+01 | .9514E+01 | .3746E+01 | .1259E+01 | -.4534E+00 | D1106B.BIS |
| 5.00 | 0.893 | 0.000 | .6523E+01 | .4478E+00 | .6711E+00 | .1180E+02 | .7838E+01 | .8533E+01 | .3718E+01 | .1032E+01 | -.2264E+00 | D1106B.BIS |
| 6.00 | 1.026 | -0.001 | .5942E+01 | .3006E+00 | .5077E+00 | .1110E+02 | .7163E+01 | .7696E+01 | .3538E+01 | .7216E+00 | -.3204E+00 | D1106B.BIS |
| 7.00 | 1.161 | -0.001 | .5483E+01 | .3778E+00 | .4556E+00 | .8340E+01 | .6273E+01 | .6647E+01 | .2676E+01 | .3468E+00 | -.5532E-01 | D1106B.BIS |
| 8.00 | 1.294 | -0.001 | .5177E+01 | .3294E+00 | .3266E+00 | .7560E+01 | .5646E+01 | .5912E+01 | .2381E+01 | .2552E+00 | -.2446E+00 | D1106B.BIS |
| 9.00 | 1.427 | 0.000 | .4888E+01 | .4131E+00 | .3933E+00 | .7210E+01 | .4985E+01 | .5471E+01 | .2314E+01 | .4953E-01 | -.2838E+00 | D1106B.BIS |
| 10.00 | 1.563 | 0.000 | .4575E+01 | .3339E+00 | .5563E+00 | .6360E+01 | .4346E+01 | .4800E+01 | .1964E+01 | .2682E-01 | -.2330E+00 | D1106B.BIS |
| 11.00 | 1.696 | -0.001 | .4539E+01 | .3975E+00 | .4036E+00 | .5490E+01 | .3926E+01 | .4491E+01 | .1533E+01 | .3360E-01 | -.1821E+00 | D1106B.BIS |
| 12.00 | 1.829 | -0.001 | .4348E+01 | .3385E+00 | .4644E+00 | .5070E+01 | .3725E+01 | .3812E+01 | .1526E+01 | -.1257E+00 | -.1569E+00 | D1106B.BIS |
| 13.00 | 1.965 | -0.001 | .4059E+01 | .3515E+00 | .3420E+00 | .4690E+01 | .3396E+01 | .3546E+01 | .1373E+01 | -.6480E-01 | -.9087E-01 | D1106B.BIS |
| 14.00 | 2.097 | -0.001 | .4259E+01 | .5458E+00 | .4825E+00 | .4960E+01 | .3672E+01 | .3667E+01 | .1510E+01 | -.4758E-01 | -.3975E-01 | D1106B.BIS |
| 15.00 | 2.232 | 0.000 | .4021E+01 | .4702E+00 | .4800E+00 | .4490E+01 | .3364E+01 | .3349E+01 | .1468E+01 | -.2116E-02 | -.1694E-01 | D1106B.BIS |
| 16.00 | 2.366 | 0.000 | .3783E+01 | .4547E+00 | .2812E+00 | .4050E+01 | .3194E+01 | .3076E+01 | .1233E+01 | -.6989E-01 | -.8605E-02 | D1106B.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 2.499 | -0.001 | .3567E+01 | .3966E+00 | .2672E+00 | .3860E+01 | .2845E+01 | .2698E+01 | .1189E+01 | -.2795E-01 | -.4938E-01 | D1106B.BIS |
| 18.00 | 2.632 | -0.001 | .3347E+01 | .3327E+00 | .3830E+00 | .3910E+01 | .2449E+01 | .2364E+01 | .1091E+01 | -.8663E-01 | -.1053E-02 | D1106B.BIS |
| 19.00 | 2.767 | 0.000 | .3222E+01 | .2467E+00 | .2159E+00 | .3440E+01 | .2326E+01 | .2351E+01 | .9795E+00 | -.1572E+00 | .2078E-01 | D1106B.BIS |
| 0.20 | 0.300 | 0.000 | .4625E+00 | -.1264E+00 | -.1583E+00 | .2450E+00 | .1524E+00 | .1741E+00 | -.1639E-01 | .3303E-02 | .1610E-01 | D1206B.BIS |
| 1.00 | 0.428 | 0.000 | .1103E+01 | -.1751E+00 | .2548E-01 | .4680E+01 | .3975E+01 | .2838E+01 | .1211E+01 | -.1205E-01 | -.8380E+00 | D1206B.BIS |
| 2.00 | 0.590 | 0.000 | .1313E+01 | -.2188E-01 | .6438E-01 | .4890E+01 | .4495E+01 | .2513E+01 | .1226E+01 | -.1045E+00 | -.1163E+00 | D1206B.BIS |
| 3.00 | 0.750 | -0.001 | .1237E+01 | -.8665E-01 | .1139E+00 | .3720E+01 | .3291E+01 | .1895E+01 | .8423E+00 | -.7170E-01 | -.6215E-01 | D1206B.BIS |
| 4.00 | 0.910 | -0.001 | .9993E+00 | -.1168E+00 | .1399E+00 | .2560E+01 | .2444E+01 | .1485E+01 | .4220E+00 | -.7367E-01 | -.2415E-01 | D1206B.BIS |
| 5.00 | 1.072 | -0.001 | .9194E+00 | -.1019E+00 | .5928E-01 | .2170E+01 | .2215E+01 | .1309E+01 | .3898E+00 | .1240E-02 | -.1971E-01 | D1206B.BIS |
| 6.00 | 1.232 | -0.001 | .7748E+00 | -.1648E+00 | .6629E-01 | .1850E+01 | .1873E+01 | .1049E+01 | .2993E+00 | -.1421E-01 | .2207E-01 | D1206B.BIS |
| 7.00 | 1.393 | -0.001 | .7574E+00 | -.1678E+00 | .7759E-01 | .1790E+01 | .1774E+01 | .9724E+00 | .2578E+00 | -.6066E-03 | .5088E-02 | D1206B.BIS |
| 8.00 | 1.553 | -0.001 | .7644E+00 | -.1528E+00 | .1723E+00 | .1790E+01 | .1040E+01 | .9611E+00 | .3195E+00 | .8823E-01 | -.1053E+00 | D1206B.BIS |
| 9.00 | 1.714 | -0.001 | .8396E+00 | -.8246E-01 | .1343E+00 | .2030E+01 | .1873E+01 | .1107E+01 | .3396E+00 | .1367E+00 | .4406E-02 | D1206B.BIS |
| 10.00 | 1.876 | -0.001 | .9842E+00 | -.8288E-01 | .1537E+00 | .2040E+01 | .1922E+01 | .1143E+01 | .4174E+00 | .5955E-01 | .3656E-01 | D1206B.BIS |
| 11.00 | 2.035 | 0.000 | .1082E+01 | .1606E-01 | .1892E+00 | .2420E+01 | .1971E+01 | .1325E+01 | .5541E+00 | .1173E+00 | .3811E-01 | D1206B.BIS |
| 12.00 | 2.197 | -0.001 | .1338E+01 | .5797E-01 | .1848E+00 | .2930E+01 | .2258E+01 | .1495E+01 | .5824E+00 | .1209E+00 | .7357E-01 | D1206B.BIS |
| 13.00 | 2.357 | -0.001 | .1339E+01 | .2931E-01 | .1866E+00 | .2430E+01 | .1837E+01 | .1241E+01 | .5655E+00 | .3069E-01 | .3011E-02 | D1206B.BIS |
| 14.00 | 2.517 | -0.001 | .1338E+01 | .5461E-01 | .3241E+00 | .2460E+01 | .1992E+01 | .1349E+01 | .5417E+00 | .1918E+00 | .6979E-01 | D1206B.BIS |
| 15.00 | 2.679 | -0.001 | .1640E+01 | .1679E+00 | .2172E+00 | .2510E+01 | .1861E+01 | .1363E+01 | .5636E+00 | .7965E-01 | .8912E-01 | D1206B.BIS |
| 16.00 | 2.838 | 0.000 | .1685E+01 | .1490E+00 | .2357E+00 | .2460E+01 | .1753E+01 | .1244E+01 | .5735E+00 | .9222E-01 | .8113E-01 | D1206B.BIS |
| 17.00 | 3.000 | -0.001 | .1636E+01 | .9575E-01 | .1809E+00 | .2420E+01 | .1795E+01 | .1225E+01 | .5765E+00 | .1129E+00 | .1679E+00 | D1206B.BIS |
| 18.00 | 3.161 | -0.001 | .1491E+01 | .1374E+00 | .2491E+00 | .2120E+01 | .1678E+01 | .1193E+01 | .5441E+00 | .7293E-01 | .1422E+00 | D1206B.BIS |
| 19.00 | 3.321 | -0.001 | .1451E+01 | .7890E-01 | .2536E+00 | .2090E+01 | .1705E+01 | .1062E+01 | .4651E+00 | .5943E-01 | .1035E+00 | D1206B.BIS |
| 0.20 | 0.299 | 1.200 | .4578E+00 | -.1159E+00 | -.2965E+00 | .2610E+00 | .1151E+00 | .1207E+00 | -.1930E-01 | -.4133E-02 | .2333E-02 | D1212B.BIS |
| 1.00 | 0.428 | 1.285 | .3721E+00 | -.2810E+00 | -.3715E+00 | .3580E+00 | .1214E+00 | .1423E+00 | -.2449E-01 | .8502E-02 | .1716E-01 | D1212B.BIS |
| 2.00 | 0.590 | 1.393 | .2051E+00 | -.2630E+00 | -.2522E+00 | .3300E+00 | .1178E+00 | .1302E+00 | -.3583E-01 | .5603E-02 | .8719E-02 | D1212B.BIS |
| 3.00 | 0.749 | 1.500 | .2262E+00 | -.2552E+00 | -.1744E+00 | .3350E+00 | .1053E+00 | .1141E+00 | -.3029E-01 | .5146E-02 | .5419E-02 | D1212B.BIS |
| 4.00 | 0.910 | 1.607 | .2423E+00 | -.2415E+00 | -.1528E+00 | .3840E+00 | .1137E+00 | .1044E+00 | -.3144E-01 | .1078E-01 | -.1029E-01 | D1212B.BIS |
| 5.00 | 1.072 | 1.714 | .2712E+00 | -.2583E+00 | -.1303E+00 | .3280E+00 | .1217E+00 | .9947E-01 | -.2696E-01 | .6260E-02 | -.1868E-01 | D1212B.BIS |
| 6.00 | 1.232 | 1.821 | .2601E+00 | -.2517E+00 | -.1064E+00 | .3760E+00 | .1358E+00 | .9908E-01 | -.1818E-01 | .1082E-01 | -.2753E-01 | D1212B.BIS |
| 7.00 | 1.393 | 1.928 | .2607E+00 | -.2271E+00 | -.9957E-01 | .3370E+00 | .1276E+00 | .9166E-01 | -.3089E-01 | .2479E-02 | -.2591E-01 | D1212B.BIS |
| 8.00 | 1.553 | 2.035 | .2594E+00 | -.2281E+00 | -.8246E-01 | .3550E+00 | .1331E+00 | .9324E-01 | -.3768E-01 | .8082E-02 | -.2834E-01 | D1212B.BIS |
| 9.00 | 1.714 | 2.142 | .2797E+00 | -.2250E+00 | -.5780E-01 | .3170E+00 | .1282E+00 | .9263E-01 | -.2274E-01 | .9178E-02 | -.2627E-01 | D1212B.BIS |
| 10.00 | 1.876 | 2.249 | .2746E+00 | -.2298E+00 | -.4253E-01 | .3560E+00 | .1315E+00 | .1084E+00 | -.2651E-01 | .1072E-01 | -.1998E-01 | D1212B.BIS |
| 11.00 | 2.036 | 2.357 | .2621E+00 | -.2324E+00 | -.5461E-01 | .3220E+00 | .1418E+00 | .9347E-01 | -.2012E-01 | .6240E-02 | -.3280E-01 | D1212B.BIS |
| 12.00 | 2.196 | 2.464 | .2367E+00 | -.2263E+00 | -.4318E-01 | .3100E+00 | .1300E+00 | .1045E+00 | -.2144E-01 | .1142E-01 | -.2142E-01 | D1212B.BIS |
| 13.00 | 2.357 | 2.570 | .2371E+00 | -.2239E+00 | -.4450E-01 | .3310E+00 | .1420E+00 | .1154E+00 | -.2738E-01 | .1061E-01 | -.2251E-01 | D1212B.BIS |
| 14.00 | 2.517 | 2.678 | .2284E+00 | -.2753E+00 | -.6704E-01 | .3070E+00 | .1601E+00 | .1250E+00 | -.3971E-01 | .3358E-02 | -.2750E-01 | D1212B.BIS |
| 15.00 | 2.679 | 2.784 | .1962E+00 | -.1798E+00 | .1818E-01 | .3130E+00 | .1444E+00 | .1313E+00 | -.1557E-01 | .7388E-02 | -.1425E-01 | D1212B.BIS |
| 16.00 | 2.839 | 2.892 | .1908E+00 | -.1513E+00 | .1523E-01 | .3260E+00 | .1680E+00 | .1652E+00 | -.2141E-01 | .6437E-02 | .7123E-02 | D1212B.BIS |
| 17.00 | 3.000 | 2.999 | .1272E-01 | -.1908E+00 | .4611E-01 | .5740E+00 | .3095E+00 | .3251E+00 | .1938E-01 | .2475E-01 | .8170E-03 | D1212B.BIS |
| 18.00 | 3.161 | 3.105 | .9493E-01 | -.9051E-01 | -.6883E-01 | .4970E+00 | .2563E+00 | .2083E+00 | -.2135E-01 | .2808E-01 | -.4178E-01 | D1212B.BIS |
| 1.00 | -0.072 | -0.214 | .3058E+02 | -.3202E+00 | -.1538E+00 | .8700E+00 | .3036E+00 | .1250E+00 | -.3258E-02 | .1099E-01 | -.8907E-52 | MD01GC |
| 1.00 | 0.000 | -0.214 | .3051E+02 | -.3279E+00 | -.1998E+00 | .6550E+00 | .2465E+00 | .1049E+00 | -.2199E-01 | .5662E-02 | -.7187E-52 | MD01GC |
| 1.00 | 0.072 | -0.214 | .3055E+02 | -.4268E+00 | -.8509E-01 | .1160E+01 | .4360E+00 | .1878E+00 | -.9138E-01 | .2836E-01 | -.1278E+52 | MD01GC |
| 1.00 | 0.143 | -0.214 | .3015E+02 | -.7587E+00 | .2816E+00 | .3920E+01 | .2418E+01 | .9906E+00 | .3746E+00 | -.2192E-01 | -.7060E+52 | MD01GC |
| 1.00 | 0.214 | -0.214 | .2632E+02 | .6183E+00 | -.2610E-01 | .1500E+02 | .9239E+01 | .8959E+01 | .7293E+01 | -.2985E+00 | -.6917E+52 | MD01GC |
| 1.00 | 0.287 | -0.214 | .1352E+02 | .1844E+01 | -.4614E+00 | .4180E+02 | .3024E+02 | .2105E+02 | .1766E+02 | -.5777E+00 | -.7228E+52 | MD01GC |
| 1.00 | 0.357 | -0.214 | .4777E+01 | .9472E+00 | -.1429E-01 | .1830E+02 | .1912E+02 | .1235E+02 | .6982E+01 | -.8357E+00 | -.1493E+52 | MD01GC |
| 1.00 | -0.071 | -0.001 | .3062E+02 | -.2854E+00 | -.3427E-02 | .8840E+00 | .3683E+00 | .1254E+00 | -.4371E-02 | -.1843E-01 | -.1081E+52 | MD01GC |
| 1.00 | 0.072 | -0.001 | .3055E+02 | -.2942E+00 | .3469E+00 | .9630E+00 | .4446E+00 | .1809E+00 | -.4831E-01 | -.9751E-02 | -.1298E+52 | MD01GC |
| 1.00 | 0.214 | -0.001 | .2626E+02 | .1105E+01 | -.4286E-01 | .1720E+02 | .1306E+02 | .1188E+02 | .9362E+01 | -.2047E+01 | -.1348E+52 | MD01GC |
| 1.00 | 0.144 | -0.001 | .3039E+02 | -.6420E-01 | .2932E+00 | .3120E+01 | .2121E+01 | .1203E+01 | .3486E+00 | -.2751E+00 | -.5425E+52 | MD01GC |
| 1.00 | 0.286 | -0.001 | .1173E+02 | .6234E+00 | .6789E+00 | .3990E+02 | .3133E+02 | .2876E+02 | .1865E+02 | -.4161E+01 | .2917E+52 | MD01GC |
| 1.00 | 0.357 | -0.001 | .4734E+01 | .1821E+00 | -.1590E+00 | .1730E+02 | .1611E+02 | .1537E+02 | .5625E+01 | -.4165E+01 | -.1267E+52 | MD01GC |
| 1.00 | -0.072 | 0.214 | .3057E+02 | -.5116E+00 | -.9954E-01 | .7650E+00 | .3813E+00 | .1276E+00 | .4954E-01 | -.1581E-01 | -.1118E+52 | MD01GC |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{vw} | \overline{uv} | File Name | |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | | |
| 1.00 | 0.072 | 0.214 | .3049E+02 | -.4513E+00 | -.5575E+00 | .9090E+00 | .3134E+00 | .2113E+00 | -.5397E-02 | .1526E-01 | -.7092E-52 | MD01GC | |
| 1.00 | 0.143 | 0.214 | .3015E+02 | -.7438E+00 | -.5709E+00 | .3610E+01 | .2054E+01 | .1612E+01 | .9910E+00 | .4227E+00 | -.3971E+52 | MD01GC | |
| 1.00 | 0.214 | 0.214 | .2470E+02 | .4485E+00 | -.3076E-01 | .2660E+02 | .2135E+02 | .1561E+02 | .1349E+02 | -.1457E+01 | -.1570E+52 | MD01GC | |
| 1.00 | 0.287 | 0.214 | .9565E+01 | .1928E+00 | -.1823E+00 | .3530E+02 | .2784E+02 | .2567E+02 | .1548E+02 | -.4769E+00 | -.4835E+52 | MD01GC | |
| 1.00 | 0.357 | 0.214 | .3148E+01 | -.4123E+00 | .1548E+00 | .1360E+02 | .1490E+02 | .1298E+02 | .3644E+01 | .1456E+01 | -.1610E+52 | MD01GC | |
| 1.00 | -0.072 | 0.428 | .3051E+02 | -.5483E+00 | -.4819E+00 | .7650E+00 | .2918E+00 | .1448E+00 | .5031E-02 | .5295E-02 | -.8163E-52 | MD01GC | |
| 1.00 | 0.072 | 0.428 | .3051E+02 | -.3835E+00 | -.1441E+00 | .8500E+00 | .3570E+00 | .1941E+00 | -.2924E-01 | -.2487E-01 | -.9422E-52 | MD01GC | |
| 1.00 | 0.143 | 0.428 | .3027E+02 | -.4078E+00 | -.2705E+00 | .3470E+01 | .1889E+01 | .1249E+01 | .5658E+00 | -.1614E+00 | -.4291E+52 | MD01GC | |
| 1.00 | -0.214 | 0.428 | .2503E+02 | .8654E+00 | -.4000E+00 | .2630E+02 | .2094E+02 | .1368E+02 | .1140E+02 | -.1909E+00 | .1867E+52 | MD01GC | |
| 1.00 | 0.287 | 0.428 | .1079E+02 | .7020E+00 | -.6662E-01 | .4340E+02 | .3048E+02 | .2412E+02 | .1888E+02 | .5539E+00 | .4652E+52 | MD01GC | |
| 1.00 | 0.357 | 0.428 | .4775E+01 | .4836E+00 | .1997E-01 | .1800E+02 | .1727E+02 | .1429E+02 | .7092E+01 | -.1858E+00 | .1764E+52 | MD01GC | |
| 1.00 | -0.072 | 0.643 | .3058E+02 | .9874E-01 | -.4840E+00 | .7790E+02 | .3390E+02 | .1929E+02 | -.3617E-02 | .2457E-01 | -.8971E-52 | MD01GC | |
| 1.00 | 0.072 | 0.643 | .3045E+02 | -.1896E+00 | -.3425E+00 | .9990E+00 | .3710E+00 | .1652E+00 | -.5979E-01 | -.3856E-02 | -.1067E+52 | MD01GC | |
| 1.00 | 0.143 | 0.643 | .3029E+02 | -.3702E+00 | -.1819E+00 | .3970E+01 | .2154E+01 | .1296E+01 | .5634E+00 | -.4455E-01 | -.5416E+52 | MD01GC | |
| 1.00 | 0.214 | 0.643 | .2512E+02 | .1013E+01 | -.2424E+00 | .2560E+02 | .1895E+02 | .1098E+02 | .1099E+02 | -.2292E+00 | .3208E+52 | MD01GC | |
| 1.00 | 0.287 | 0.643 | .1227E+02 | .1362E+01 | -.7680E+00 | .2940E+02 | .2490E+02 | .2076E+02 | .1712E+02 | -.2275E+01 | -.1824E+52 | MD01GC | |
| 1.00 | 0.357 | 0.643 | .5572E+01 | .1304E+01 | -.1369E+01 | .1710E+02 | .1679E+02 | .1325E+02 | .6863E+01 | -.9289E+00 | -.1737E+52 | MD01GC | |
| 1.00 | -0.072 | 0.857 | .3050E+02 | -.1050E+01 | -.8774E+00 | .2000E+01 | .1133E+01 | .9739E+00 | .9302E-01 | .3076E-01 | .1841E+52 | MD01GC | |
| 1.00 | 0.072 | 0.857 | .3046E+02 | -.2529E+00 | .2362E+00 | .1650E+01 | .6732E+00 | .6508E+00 | -.1032E+00 | -.6253E-01 | -.2960E-52 | MD01GC | |
| 1.00 | 0.143 | 0.857 | .3039E+02 | -.3844E+00 | .4611E+00 | .3080E+01 | .1539E+01 | .1491E+01 | -.2116E-01 | -.5033E+00 | -.4380E-52 | MD01GC | |
| 1.00 | 0.214 | 0.857 | .2454E+02 | .5218E-01 | -.5446E+00 | .2770E+02 | .1628E+02 | .1585E+02 | .1141E+02 | .2945E+01 | .1213E+52 | MD01GC | |
| 1.00 | 0.287 | 0.857 | .8423E+01 | .3203E+00 | -.1312E+01 | .2930E+02 | .1709E+02 | .1858E+02 | .9461E+01 | .3379E+01 | .1019E+52 | MD01GC | |
| 1.00 | 0.357 | 0.857 | .3099E+01 | .1827E+00 | .3406E+00 | .1190E+02 | .8600E+01 | .9071E+01 | .3311E+01 | .7864E+00 | .4068E+52 | MD01GC | |
| 1.00 | -0.072 | 1.071 | .7774E+01 | -.1286E+01 | .1079E+01 | .2220E+02 | .1551E+02 | .1710E+02 | -.2942E+01 | .9056E+01 | -.2063E+52 | MD01GC | |
| 1.00 | 0.072 | 1.071 | .6142E+01 | -.8971E-02 | .3267E+00 | .1730E+02 | .1360E+02 | .1480E+02 | .1187E+01 | .7350E+01 | -.9607E-52 | MD01GC | |
| 1.00 | 0.143 | 1.071 | .3362E+01 | .2914E+00 | -.3812E-01 | .1140E+02 | .9896E+01 | .8847E+01 | .1459E+01 | .3426E+01 | .3159E+52 | MD01GC | |
| 1.00 | 0.214 | 1.071 | .1394E+01 | -.2328E+00 | -.1866E+00 | .6070E+01 | .5057E+01 | .4805E+01 | -.3513E-02 | .1568E+01 | -.1217E+52 | MD01GC | |
| 1.00 | 0.287 | 1.071 | .5885E+00 | -.2600E+00 | -.1482E+00 | .2230E+01 | .2237E+01 | .2075E+01 | .2107E+00 | .4487E+00 | .6610E+52 | MD01GC | |
| 1.00 | 0.357 | 1.071 | .3633E+00 | -.3118E+00 | -.5097E+00 | .4020E+00 | .2333E+00 | .2536E+00 | -.3207E-01 | .1317E-01 | .1096E-52 | MD01GC | |
| 1.00 | 0.000 | -0.106 | .3045E+02 | -.2197E+00 | .8392E-01 | .4890E+00 | .3478E+00 | .3506E+00 | .2152E-01 | .1325E-01 | -.1029E-52 | MD01GC | |
| 1.00 | 0.000 | 0.106 | .3052E+02 | -.1535E+00 | -.1321E+00 | .5160E+00 | .5378E+00 | .5383E+00 | .1145E-01 | .2411E-01 | -.1865E-52 | MD01GC | |
| 1.00 | 0.000 | 0.322 | .3047E+02 | .4256E+00 | -.2730E+00 | .5640E+00 | .6601E+00 | .4393E+00 | -.5518E-01 | .7394E-02 | -.1507E+52 | MD01GC | |
| 1.00 | 0.000 | 0.535 | .3056E+02 | .7552E+00 | .3158E+00 | .4980E+00 | .1211E+01 | .7769E+00 | -.6152E-01 | .3024E-01 | -.2894E+52 | MD01GC | |
| 1.00 | 0.000 | 0.750 | .3053E+02 | -.1030E+00 | .3787E+00 | .5770E+00 | .4425E+00 | .4810E+00 | -.3906E-01 | .8097E-03 | .2177E-52 | MD01GC | |
| 1.00 | 0.000 | 0.964 | .2683E+02 | -.9680E+00 | .7276E+00 | .1550E+02 | .9932E+01 | .8657E+01 | .4729E+00 | .6930E+01 | .1466E+52 | MD01GC | |
| 0.20 | -0.050 | 0.799 | .3062E+02 | -.4394E-01 | -.7320E+00 | .4310E+00 | .1242E+00 | .1002E+00 | .2606E-02 | .6646E-02 | -.2033E-01 | D0510C.BIS | |
| 2.00 | -0.098 | 0.928 | .2349E+02 | -.1596E+01 | .1277E+00 | .2720E+02 | .1578E+02 | .1418E+02 | -.2012E+01 | .8833E+01 | -.4118E-01 | D0510C.BIS | |
| 3.00 | -0.124 | 0.999 | .1333E+02 | -.1303E+01 | .2735E+00 | .3040E+02 | .1817E+02 | .1445E+02 | -.1250E+01 | .1018E+02 | -.9222E+00 | D0510C.BIS | |
| 4.00 | -0.153 | 1.071 | .9887E+01 | -.9742E+00 | .3776E+00 | .2330E+02 | .1364E+02 | .1167E+02 | -.6951E-01 | .6885E+01 | -.4941E+00 | D0510C.BIS | |
| 5.00 | -0.179 | 1.142 | .8793E+01 | -.9243E+00 | .4772E+00 | .1740E+02 | .1119E+02 | .9877E+01 | -.7698E+00 | .5682E+01 | -.2691E+00 | D0510C.BIS | |
| 6.00 | -0.205 | 1.214 | .7870E+01 | -.1118E+01 | .6568E+00 | .1560E+02 | .1055E+02 | .8742E+01 | -.7075E+00 | .4312E+01 | -.6735E+00 | D0510C.BIS | |
| 7.00 | -0.232 | 1.285 | .7253E+01 | -.1285E+01 | .7243E+00 | .1310E+02 | .9584E+01 | .7798E+01 | -.4630E+00 | .4203E+01 | -.4122E+00 | D0510C.BIS | |
| 8.00 | -0.259 | 1.357 | .6964E+01 | -.1155E+01 | .5786E+00 | .1100E+02 | .7737E+01 | .7202E+01 | -.8007E+00 | .3535E+01 | -.4883E+00 | D0510C.BIS | |
| 9.00 | -0.286 | 1.428 | .6175E+01 | -.1011E+01 | .6244E+00 | .1120E+02 | .7348E+01 | .6296E+01 | -.7618E+00 | .3070E+01 | -.4530E+00 | D0510C.BIS | |
| 10.00 | -0.313 | 1.499 | .6126E+01 | -.1110E+01 | .7394E+00 | .9810E+01 | .6500E+01 | .6211E+01 | -.3649E+00 | .2792E+01 | -.3140E+00 | D0510C.BIS | |
| 11.00 | -0.340 | 1.571 | .5559E+01 | -.9701E+00 | .5843E+00 | .8650E+01 | .5894E+01 | .5988E+01 | -.5136E+00 | .2730E+01 | -.4781E+00 | D0510C.BIS | |
| 12.00 | -0.367 | 1.642 | .5306E+01 | -.1035E+01 | .6140E+00 | .8060E+01 | .5593E+01 | .5249E+01 | -.5833E+00 | .2013E+01 | -.3855E+00 | D0510C.BIS | |
| 13.00 | -0.393 | 1.714 | .4925E+01 | -.1014E+01 | .6605E+00 | .7800E+01 | .5353E+01 | .5166E+01 | -.7203E+00 | .1956E+01 | -.5060E+00 | D0510C.BIS | |
| 14.00 | -0.419 | 1.785 | .4861E+01 | -.8332E+00 | .6000E+00 | .7590E+01 | .4839E+01 | .4778E+01 | -.4540E+00 | .2180E+01 | -.2795E+00 | D0510C.BIS | |
| 15.00 | -0.447 | 1.857 | .4562E+01 | -.8833E+00 | .5566E+00 | .6940E+01 | .4702E+01 | .4471E+01 | -.6492E+00 | .1862E+01 | -.1755E+00 | D0510C.BIS | |
| 16.00 | -0.474 | 1.928 | .4466E+01 | -.8969E+00 | .5316E+00 | .7150E+01 | .4200E+01 | .3973E+01 | -.6679E+00 | .1908E+01 | -.1431E+00 | D0510C.BIS | |
| 17.00 | -0.500 | 1.999 | .4351E+01 | -.8799E+00 | .5088E+00 | .5730E+01 | .4084E+01 | .3799E+01 | -.3669E+00 | .1469E+01 | -.2196E+00 | D0510C.BIS | |
| 18.00 | -0.526 | 2.070 | .4145E+01 | -.7543E+00 | .4304E+00 | .4304E+00 | .5440E+01 | .3819E+01 | .3241E+01 | -.3157E+00 | .1310E+01 | -.2442E-01 | D0510C.BIS |
| 19.00 | -0.554 | 2.142 | .4005E+01 | -.8811E+00 | .5289E+00 | .5120E+01 | .3475E+01 | .3301E+01 | -.2347E+00 | .1492E+01 | -.2713E-02 | D0510C.BIS | |
| 0.20 | -0.050 | 0.999 | .1050E+02 | -.2506E+00 | -.1789E-01 | .9710E+00 | .1517E+00 | .4162E-01 | -.5550E-02 | .4939E-01 | -.4524E-01 | D0511C.BIS | |
| 2.00 | -0.098 | 1.160 | .8190E+01 | -.1271E+01 | .1304E+01 | .1700E+02 | .1037E+02 | .1120E+02 | -.4623E+00 | .5551E+01 | -.9546E+00 | D0511C.BIS | |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | $\bar{u}\bar{u}$ | $\bar{v}\bar{v}$ | $\bar{w}\bar{w}$ | $\bar{u}\bar{v}$ | $\bar{u}\bar{w}$ | $\bar{v}\bar{w}$ | File Name |
|-------|--------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 3.00 | -0.124 | 1.250 | .5595E+01 | -.9641E+00 | .9761E+00 | .1330E+02 | .7800E+01 | .7846E+01 | .5909E-02 | .3628E+01 | -.6394E+00 | D6511C.BIS |
| 4.00 | -0.153 | 1.339 | .4632E+01 | -.7294E+00 | .8781E+00 | .1150E+02 | .6544E+01 | .7069E+01 | .2586E-01 | .3308E+01 | -.4242E+00 | D0511C.BIS |
| 5.00 | -0.179 | 1.428 | .4547E+01 | -.8887E+00 | .1000E+01 | .9860E+01 | .5813E+01 | .6415E+01 | -.4973E+00 | .2683E+01 | -.6104E+00 | D0511C.BIS |
| 6.00 | -0.205 | 1.518 | .3901E+01 | -.6230E+00 | .9479E+00 | .8510E+01 | .5085E+01 | .5734E+01 | -.5411E+00 | .2476E+01 | -.3448E+00 | D0511C.BIS |
| 7.00 | -0.232 | 1.607 | .3576E+01 | -.7847E+00 | .7410E+00 | .7190E+01 | .4664E+01 | .5493E+01 | -.4665E+00 | .1899E+01 | -.4862E+00 | D0511C.BIS |
| 8.00 | -0.259 | 1.696 | .3483E+01 | -.9234E+00 | .6411E+00 | .7040E+01 | .4348E+01 | .5018E+01 | -.6252E+00 | .1985E+01 | -.5650E+00 | D0511C.BIS |
| 9.00 | -0.286 | 1.786 | .3476E+01 | -.8708E+00 | .6637E+00 | .6520E+01 | .4403E+01 | .4685E+01 | -.5181E+00 | .1570E+01 | -.3235E+00 | D0511C.BIS |
| 10.00 | -0.312 | 1.875 | .3221E+01 | -.6426E+00 | .6778E+00 | .6440E+01 | .4027E+01 | .4872E+01 | -.4958E+00 | .1868E+01 | -.4800E+00 | D0511C.BIS |
| 11.00 | -0.340 | 1.964 | .3119E+01 | -.6516E+00 | .7114E+00 | .6570E+01 | .3971E+01 | .4681E+01 | -.5237E+00 | .2032E+01 | -.3528E+00 | D0511C.BIS |
| 12.00 | -0.367 | 2.054 | .2898E+01 | -.7405E+00 | .4997E+00 | .5500E+01 | .3620E+01 | .4235E+01 | -.5654E+00 | .1562E+01 | -.3646E+00 | D0511C.BIS |
| 13.00 | -0.393 | 2.142 | .2898E+01 | -.7873E+00 | .5976E+00 | .5670E+01 | .3382E+01 | .3897E+01 | -.5514E+00 | .1417E+01 | -.4700E+00 | D6311C.BIS |
| 14.00 | -0.419 | 2.232 | .3089E+01 | -.8470E+00 | .5931E+00 | .5550E+01 | .3351E+01 | .3778E+01 | -.4005E+00 | .1614E+01 | -.4183E+00 | D0511C.BIS |
| 15.00 | -0.447 | 2.321 | .2875E+01 | -.8901E+00 | .5666E+00 | .5150E+01 | .3467E+01 | .3412E+01 | -.4414E+00 | .1513E+01 | -.2791E+00 | D0511C.BIS |
| 16.00 | -0.474 | 2.410 | .2848E+01 | -.7633E+00 | .5252E+00 | .4990E+01 | .3098E+01 | .3260E+01 | -.5675E+00 | .1478E+01 | -.3011E+00 | D0511C.BIS |
| 17.00 | -0.500 | 2.500 | .2864E+01 | -.8902E+00 | .4645E+00 | .4580E+01 | .3105E+01 | .3103E+01 | -.4171E+00 | .1337E+01 | -.2317E+00 | D0511C.BIS |
| 18.00 | -0.526 | 2.589 | .2994E+01 | -.8175E+00 | .5058E+00 | .4360E+01 | .2740E+01 | .2737E+01 | -.3646E+00 | .1241E+01 | -.2501E+00 | D0511C.BIS |
| 19.00 | -0.554 | 2.678 | .3072E+01 | -.9652E+00 | .4792E+00 | .3890E+01 | .2762E+01 | .2513E+01 | -.3306E+00 | .9806E+00 | -.1834E+00 | D0511C.BIS |
| 0.20 | 0.000 | 0.900 | .3091E+02 | -.2530E+00 | -.3054E-01 | .2450E+01 | .1576E+00 | .5404E-01 | -.1023E-01 | .3387E-02 | -.4680E-01 | D06G1C.BIS |
| 2.00 | 0.000 | 1.044 | .1335E+02 | -.1614E+01 | .4366E+00 | .2990E+02 | .1617E+02 | .1516E+02 | -.9286E+00 | .8598E+01 | -.1888E+01 | D06G1C.BIS |
| 3.00 | 0.000 | 1.125 | .8926E+01 | -.1028E+01 | .6730E+00 | .2400E+02 | .1806E+02 | .1154E+02 | .9597E+00 | .6404E+01 | -.1598E+01 | D06G1C.BIS |
| 4.00 | 0.000 | 1.205 | .7724E+01 | -.4023E+00 | .6845E+00 | .1760E+02 | .1248E+02 | .1050E+02 | .2547E+00 | .5497E+01 | -.1144E+01 | D06G1C.BIS |
| 5.00 | 0.000 | 1.286 | .6825E+01 | -.4588E+00 | .7489E+00 | .1420E+02 | .9255E+01 | .8536E+01 | .7583E+00 | .3633E+01 | -.1064E+01 | D06G1C.BIS |
| 6.00 | 0.000 | 1.366 | .5761E+01 | -.4605E+00 | .5628E+00 | .1210E+02 | .7479E+01 | .7184E+01 | .6024E+00 | .3405E+01 | -.6812E+00 | D06G1C.BIS |
| 7.00 | 0.000 | 1.446 | .5230E+01 | -.6089E+00 | .6282E+00 | .9970E+01 | .6670E+01 | .6318E+01 | .5028E+00 | .2376E+01 | -.7299E+00 | D06G1C.BIS |
| 8.00 | 0.000 | 1.527 | .4947E+01 | -.6602E+00 | .7055E+00 | .9530E+01 | .6359E+01 | .6142E+01 | .2803E+00 | .2434E+01 | -.5500E+00 | D06G1C.BIS |
| 9.00 | 0.000 | 1.607 | .4799E+01 | -.7829E+00 | .7278E+00 | .8520E+01 | .5591E+01 | .5683E+01 | .1356E+00 | .2266E+01 | -.5278E+00 | D06G1C.BIS |
| 10.00 | 0.000 | 1.688 | .4514E+01 | -.7332E+00 | .7377E+00 | .7710E+01 | .5107E+01 | .5494E+01 | -.1941E+00 | .2093E+01 | -.6029E+00 | D06G1C.BIS |
| 11.00 | 0.000 | 1.768 | .4390E+01 | -.7705E+00 | .6202E+00 | .6850E+01 | .4976E+01 | .5089E+01 | -.1454E-01 | .1820E+01 | -.4636E+00 | D06G1C.BIS |
| 12.00 | -0.001 | 1.849 | .4139E+01 | -.8485E+00 | .7754E+00 | .7350E+01 | .4876E+01 | .5142E+01 | -.1641E+00 | .1873E+01 | -.6429E+00 | D06G1C.BIS |
| 13.00 | -0.001 | 1.929 | .4210E+01 | -.8471E+00 | .6439E+00 | .6570E+01 | .4521E+01 | .4861E+01 | -.1950E+00 | .1852E+01 | -.3881E+00 | D06G1C.BIS |
| 14.00 | -0.001 | 2.009 | .4111E+01 | -.7353E+00 | .6107E+00 | .6440E+01 | .4149E+01 | .4226E+01 | -.8852E-01 | .1768E+01 | -.5130E+00 | D06G1C.BIS |
| 15.00 | -0.001 | 2.089 | .3968E+01 | -.8325E+00 | .6551E+00 | .5820E+01 | .4170E+01 | .4319E+01 | .1445E+00 | .1641E+01 | -.2890E+00 | D06G1C.BIS |
| 16.00 | -0.001 | 2.170 | .3813E+01 | -.6947E+00 | .6024E+00 | .5560E+01 | .3743E+01 | .4056E+01 | -.8989E-01 | .1574E+01 | -.3234E+00 | D06G1C.BIS |
| 17.00 | -0.001 | 2.250 | .3752E+01 | -.8631E+00 | .5595E+00 | .5380E+01 | .3480E+01 | .3499E+01 | -.9358E-01 | .1459E+01 | -.3515E+00 | D06G1C.BIS |
| 18.00 | -0.001 | 2.331 | .3621E+01 | -.8214E+00 | .6566E+00 | .4710E+01 | .3182E+01 | .2952E+01 | -.1366E+00 | .1150E+01 | -.3794E+00 | D06G1C.BIS |
| 19.00 | -0.001 | 2.411 | .3739E+01 | -.8745E+00 | .5839E+00 | .4740E+01 | .3217E+01 | .3058E+01 | .8961E-01 | .1251E+01 | -.2637E+00 | D06G1C.BIS |
| 0.20 | 0.050 | 0.799 | .3093E+02 | -.8598E+00 | .7825E-02 | .1460E+00 | .1565E+00 | .7296E-01 | -.9998E-02 | .5688E-02 | -.4499E-01 | D0710C.BIS |
| 2.00 | 0.097 | 0.928 | .2210E+02 | -.2396E+00 | .2663E+00 | .3120E+02 | .1747E+02 | .1933E+02 | .6029E+01 | .9824E+01 | -.1826E+01 | D0710C.BIS |
| 3.00 | 0.124 | 0.999 | .1363E+02 | -.5968E+00 | .5250E+00 | .3190E+02 | .1776E+02 | .1663E+02 | .5737E+01 | .8003E+01 | -.2667E+01 | D0710C.BIS |
| 4.00 | 0.153 | 1.071 | .1011E+02 | -.3427E+00 | .5115E+00 | .2210E+02 | .1291E+02 | .1358E+02 | .3702E+01 | .5201E+01 | -.1848E+01 | D0710C.BIS |
| 5.00 | 0.179 | 1.142 | .8212E+01 | -.3324E+00 | .5839E+00 | .1710E+02 | .1008E+02 | .1011E+02 | .2365E+01 | .4333E+01 | -.1157E+01 | D0710C.BIS |
| 6.00 | 0.205 | 1.214 | .7290E+01 | -.1408E+00 | .3808E+00 | .1410E+02 | .8526E+01 | .8962E+01 | .2079E+01 | .3200E+01 | -.1093E+01 | D0710C.BIS |
| 7.00 | 0.232 | 1.285 | .6235E+01 | -.2930E+00 | .5749E+00 | .1090E+02 | .7087E+01 | .7550E+01 | .1658E+01 | .2592E+01 | -.9134E+00 | D0710C.BIS |
| 8.00 | 0.260 | 1.357 | .6206E+01 | -.2929E+00 | .4763E+00 | .9900E+01 | .7191E+01 | .6720E+01 | .1058E+01 | .2404E+01 | -.1144E+01 | D0710C.BIS |
| 9.00 | 0.285 | 1.428 | .5322E+01 | -.4182E+00 | .5399E+00 | .8850E+01 | .6502E+01 | .6275E+01 | .7784E+00 | .2295E+01 | -.8098E+00 | D0710C.BIS |
| 10.00 | 0.312 | 1.499 | .5307E+01 | -.5440E+00 | .5821E+00 | .9030E+01 | .6001E+01 | .5903E+01 | .1037E+01 | .2280E+01 | -.6022E+00 | D0710C.BIS |
| 11.00 | 0.339 | 1.571 | .5088E+01 | -.5624E+00 | .6758E+00 | .8080E+01 | .5818E+01 | .5824E+01 | .7245E+00 | .2284E+01 | -.1078E+00 | D0710C.BIS |
| 12.00 | 0.367 | 1.642 | .4689E+01 | -.4203E+00 | .4890E+00 | .7970E+01 | .5417E+01 | .5494E+01 | .8661E+00 | .2291E+01 | -.5581E+00 | D0710C.BIS |
| 13.00 | 0.392 | 1.714 | .4956E+01 | -.6254E+00 | .6853E+00 | .6950E+01 | .5198E+01 | .5245E+01 | .4041E+00 | .2112E+01 | -.5807E+00 | D0710C.BIS |
| 14.00 | 0.419 | 1.785 | .4791E+01 | -.6666E+00 | .6626E+00 | .7230E+01 | .5097E+01 | .4846E+01 | .6394E+00 | .1950E+01 | -.4884E+00 | D0710C.BIS |
| 15.00 | 0.447 | 1.856 | .4580E+01 | -.6344E+00 | .6318E+00 | .6620E+01 | .4754E+01 | .4553E+01 | .5704E+00 | .1903E+01 | -.3455E+00 | D0710C.BIS |
| 16.00 | 0.474 | 1.928 | .4360E+01 | -.7282E+00 | .7997E+00 | .6250E+01 | .4197E+01 | .4274E+01 | .5387E+00 | .1363E+01 | -.2192E+00 | D0710C.BIS |
| 17.00 | 0.499 | 1.999 | .4126E+01 | -.6499E+00 | .7455E+00 | .5740E+01 | .3827E+01 | .3699E+01 | .2693E+00 | .1469E+01 | -.3954E+00 | D0710C.BIS |
| 18.00 | 0.526 | 2.070 | .4154E+01 | -.6140E+00 | .6834E+00 | .5200E+01 | .3586E+01 | .3282E+01 | .2764E+00 | .1324E+01 | -.2599E+00 | D0710C.BIS |
| 19.00 | 0.555 | 2.142 | .4158E+01 | -.7318E+00 | .5888E+00 | .5130E+01 | .3643E+01 | .3256E+01 | .3770E+00 | .1412E+01 | -.1523E+00 | D0710C.BIS |
| 0.20 | 0.050 | 0.999 | .1303E+02 | -.2181E+00 | .3639E-01 | .2330E+01 | .1137E+00 | .1174E+00 | .3131E-01 | .7343E-01 | -.6508E-02 | D0711C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 2.00 | 0.098 | 1.160 | .2803E+01 | -.3575E-01 | .9542E-01 | .1030E+02 | .6741E+01 | .6684E+01 | .6237E+00 | .2485E+01 | -.4067E+00 | D0711C.BIS |
| 3.00 | 0.124 | 1.250 | .3329E+01 | -.1476E+00 | .7172E+00 | .9580E+01 | .5530E+01 | .6294E+01 | .4930E+00 | .1935E+01 | -.4537E+00 | D0711C.BIS |
| 4.00 | 0.153 | 1.339 | .3104E+01 | .2121E-01 | .6507E+00 | .9160E+01 | .5403E+01 | .5541E+01 | .6228E+00 | .2243E+01 | -.2148E+00 | D0711C.BIS |
| 5.00 | 0.179 | 1.428 | .3077E+01 | -.9827E-01 | .6105E+00 | .7720E+01 | .4956E+01 | .5085E+01 | .4808E+00 | .2114E+01 | -.1943E+00 | D0711C.BIS |
| 6.00 | 0.205 | 1.518 | .3153E+01 | -.1346E+00 | .8101E+00 | .7560E+01 | .4510E+01 | .4934E+01 | .4019E+00 | .1569E+01 | -.6387E-01 | D0711C.BIS |
| 7.00 | 0.232 | 1.607 | .2766E+01 | -.3525E+00 | .6719E+00 | .6930E+01 | .3870E+01 | .4376E+01 | .3736E+00 | .1782E+01 | -.8018E-01 | D0711C.BIS |
| 8.00 | 0.260 | 1.696 | .2651E+01 | -.2196E+00 | .7014E+00 | .6610E+01 | .3898E+01 | .4326E+01 | .1965E+00 | .1583E+01 | -.8705E-01 | D0711C.BIS |
| 9.00 | 0.285 | 1.786 | .2683E+01 | -.2369E+00 | .7085E+00 | .6330E+01 | .3983E+01 | .4426E+01 | .3624E+00 | .1585E+01 | -.3501E+00 | D0711C.BIS |
| 10.00 | 0.312 | 1.875 | .2872E+01 | -.2592E+00 | .6748E+00 | .6270E+01 | .4184E+01 | .4612E+01 | .3034E+00 | .1513E+01 | -.2200E+00 | D0711C.BIS |
| 11.00 | 0.340 | 1.964 | .2840E+01 | -.3566E+00 | .7936E+00 | .6050E+01 | .3880E+01 | .4113E+01 | .9447E-01 | .1347E+01 | -.2280E+00 | D0711C.BIS |
| 12.00 | 0.367 | 2.054 | .2854E+01 | -.6384E+00 | .9415E+00 | .5780E+01 | .3759E+01 | .4203E+01 | .1422E+00 | .1520E+01 | -.1749E+00 | D0711C.BIS |
| 13.00 | 0.392 | 2.143 | .2730E+01 | -.3406E+00 | .7701E+00 | .5160E+01 | .3371E+01 | .3880E+01 | .3588E+00 | .1283E+01 | -.9726E-01 | D0711C.BIS |
| 14.00 | 0.419 | 2.232 | .2557E+01 | -.3966E+00 | .8771E+00 | .5240E+01 | .3235E+01 | .3447E+01 | .1860E+00 | .1425E+01 | -.6892E-01 | D0711C.BIS |
| 15.00 | 0.447 | 2.321 | .2861E+01 | -.4304E+00 | .7812E+00 | .4850E+01 | .3012E+01 | .3548E+01 | .3097E+00 | .1254E+01 | -.4907E-01 | D0711C.BIS |
| 16.00 | 0.474 | 2.411 | .2785E+01 | -.5603E+00 | .8218E+00 | .4580E+01 | .3214E+01 | .3205E+01 | .2565E+00 | .1207E+01 | -.2437E-02 | D0711C.BIS |
| 17.00 | 0.499 | 2.500 | .2985E+01 | -.7663E+00 | .7609E+00 | .4290E+01 | .3109E+01 | .3107E+01 | .7913E-01 | .1229E+01 | -.2170E+00 | D0711C.BIS |
| 18.00 | 0.526 | 2.589 | .2707E+01 | -.6484E+00 | .6413E+00 | .4190E+01 | .2627E+01 | .2843E+01 | -.1071E-02 | .1166E+01 | -.1670E+00 | D0711C.BIS |
| 19.00 | 0.555 | 2.678 | .2447E+01 | -.6073E+00 | .4956E+00 | .3750E+01 | .2114E+01 | .2303E+01 | .9557E-01 | .9898E+00 | -.1156E+00 | D0711C.BIS |
| 0.20 | 0.099 | 0.799 | .3099E+02 | -.2127E+00 | -.6695E-01 | .3040E+00 | .1023E+00 | .8701E-01 | -.1716E-01 | .6855E-02 | -.1389E-01 | D0810C.BIS |
| 2.00 | 0.197 | 0.928 | .1685E+02 | -.5139E+00 | .4889E+00 | .3500E+02 | .2230E+02 | .2232E+02 | .9661E+01 | .7858E+01 | -.1882E+01 | D0810C.BIS |
| 3.00 | 0.250 | 0.999 | .9273E+01 | -.2299E+00 | .4011E+00 | .2370E+02 | .1315E+02 | .1569E+02 | .3458E+01 | .5335E+01 | -.1823E+01 | D0810C.BIS |
| 4.00 | 0.303 | 1.071 | .6446E+01 | -.2419E+00 | .5780E+00 | .1600E+02 | .1005E+02 | .1058E+02 | .3010E+01 | .3312E+01 | -.7616E+00 | D0810C.BIS |
| 5.00 | 0.358 | 1.142 | .5163E+01 | -.4716E+00 | .6991E+00 | .1240E+02 | .7334E+01 | .8699E+01 | .2122E+01 | .2203E+01 | -.8991E+00 | D0810C.BIS |
| 6.00 | 0.411 | 1.214 | .4858E+01 | -.3273E+00 | .6716E+00 | .1050E+02 | .7595E+01 | .7498E+01 | .1542E+01 | .2190E+01 | -.1154E+01 | D0810C.BIS |
| 7.00 | 0.465 | 1.285 | .4820E+01 | -.2284E+00 | .6787E+00 | .1010E+02 | .6474E+01 | .6668E+01 | .1398E+01 | .2009E+01 | -.6508E+00 | D0810C.BIS |
| 8.00 | 0.518 | 1.357 | .4364E+01 | -.3247E+00 | .7438E+00 | .8200E+01 | .5465E+01 | .5504E+01 | .1104E+01 | .1567E+01 | -.3574E+00 | D0810C.BIS |
| 9.00 | 0.572 | 1.428 | .4028E+01 | -.1711E+00 | .6844E+00 | .8620E+01 | .5163E+01 | .5525E+01 | .5382E+00 | .1948E+01 | -.5671E+00 | D0810C.BIS |
| 10.00 | 0.625 | 1.499 | .3357E+01 | -.2427E+00 | .7410E+00 | .7710E+01 | .4605E+01 | .4345E+01 | .3608E+00 | .1593E+01 | -.3074E+00 | D0810C.BIS |
| 11.00 | 0.680 | 1.571 | .3583E+01 | -.1952E+00 | .5883E+00 | .6960E+01 | .4497E+01 | .4583E+01 | .5407E+00 | .1723E+01 | -.3099E+00 | D0810C.BIS |
| 12.00 | 0.732 | 1.642 | .3499E+01 | -.2595E+00 | .6885E+00 | .7130E+01 | .3983E+01 | .4364E+01 | .7383E+00 | .1557E+01 | -.1615E+00 | D0810C.BIS |
| 13.00 | 0.787 | 1.714 | .3783E+01 | -.3084E+00 | .6378E+00 | .6740E+01 | .4599E+01 | .4362E+01 | .7867E+00 | .1346E+01 | -.3356E+00 | D0810C.BIS |
| 14.00 | 0.839 | 1.785 | .3320E+01 | -.3683E+00 | .5274E+00 | .6390E+01 | .3896E+01 | .4050E+01 | .8271E+00 | .1667E+01 | -.1178E+00 | D0810C.BIS |
| 15.00 | 0.893 | 1.857 | .3384E+01 | -.5023E+00 | .6755E+00 | .6550E+01 | .3373E+01 | .3661E+01 | .3993E+00 | .1691E+01 | -.1655E+00 | D0810C.BIS |
| 16.00 | 0.947 | 1.928 | .3376E+01 | -.4482E+00 | .6695E+00 | .5220E+01 | .3606E+01 | .3720E+01 | .6397E+00 | .1474E+01 | -.2511E+00 | D0810C.BIS |
| 17.00 | 1.000 | 1.999 | .3554E+01 | -.4528E+00 | .5871E+00 | .5370E+01 | .3487E+01 | .3315E+01 | .5326E+00 | .1209E+01 | -.1790E+00 | D0810C.BIS |
| 18.00 | 1.054 | 2.070 | .3316E+01 | -.4701E+00 | .6028E+00 | .4640E+01 | .3049E+01 | .2851E+01 | .4905E+00 | .1126E+01 | -.1141E+00 | D0810C.BIS |
| 19.00 | 1.107 | 2.142 | .3323E+01 | -.5289E+00 | .6463E+00 | .4480E+01 | .2825E+01 | .2854E+01 | .3757E+00 | .1184E+01 | -.5951E-01 | D0810C.BIS |
| 0.20 | 0.100 | 0.999 | .1230E+02 | -.4670E+00 | -.1586E-01 | .7570E+00 | .1651E+00 | .2532E-01 | .2363E-02 | .2682E-01 | -.4227E-01 | D0811C.BIS |
| 2.00 | 0.197 | 1.160 | .3064E+01 | -.9995E+00 | .7260E+00 | .1080E+02 | .5814E+01 | .8113E+01 | -.3555E+00 | .3539E+01 | -.6612E+00 | D0811C.BIS |
| 3.00 | 0.250 | 1.250 | .2498E+01 | -.5999E+00 | .4970E+00 | .7520E+01 | .4310E+01 | .5708E+01 | .3863E+00 | .2338E+01 | -.1895E+00 | D0811C.BIS |
| 4.00 | 0.303 | 1.339 | .2174E+01 | -.4269E+00 | .4096E+00 | .6630E+01 | .3967E+01 | .4822E+01 | .6005E+00 | .1693E+01 | -.3171E-01 | D0811C.BIS |
| 5.00 | 0.358 | 1.428 | .2115E+01 | -.2725E+00 | .4822E+00 | .6110E+01 | .3597E+01 | .4797E+01 | .5757E+00 | .1769E+01 | -.2126E+00 | D0811C.BIS |
| 6.00 | 0.411 | 1.518 | .2308E+01 | -.3728E+00 | .7851E+00 | .6790E+01 | .4060E+01 | .4432E+01 | .6269E+00 | .1518E+01 | -.2040E-02 | D0811C.BIS |
| 7.00 | 0.465 | 1.607 | .2028E+01 | -.4624E+00 | .6383E+00 | .5780E+01 | .3562E+01 | .4319E+01 | .3917E+00 | .1270E+01 | -.6607E-02 | D0811C.BIS |
| 8.00 | 0.518 | 1.696 | .1758E+01 | -.3521E+00 | .3418E+00 | .5020E+01 | .2778E+01 | .3918E+01 | .4130E+00 | .1439E+01 | -.1705E+00 | D0811C.BIS |
| 9.00 | 0.572 | 1.786 | .1835E+01 | -.2568E+00 | .5973E+00 | .5150E+01 | .3020E+01 | .3484E+01 | .2012E+00 | .1192E+01 | -.1069E+00 | D0811C.BIS |
| 10.00 | 0.625 | 1.875 | .1781E+01 | -.4159E+00 | .6211E+00 | .4930E+01 | .2771E+01 | .3491E+01 | .1268E+00 | .1121E+01 | -.1557E-01 | D0811C.BIS |
| 11.00 | 0.680 | 1.964 | .1905E+01 | -.5385E+00 | .6037E+00 | .4710E+01 | .2612E+01 | .3452E+01 | .1163E+00 | .1140E+01 | -.8613E-01 | D0811C.BIS |
| 12.00 | 0.732 | 2.054 | .1974E+01 | -.5998E+00 | .7033E+00 | .4390E+01 | .2670E+01 | .3025E+01 | .2990E+00 | .1010E+01 | -.3547E-02 | D0811C.BIS |
| 13.00 | 0.787 | 2.143 | .1996E+01 | -.5206E+00 | .6923E+00 | .4620E+01 | .2772E+01 | .3284E+01 | .4216E+00 | .9978E+00 | -.1308E+00 | D0811C.BIS |
| 14.00 | 0.839 | 2.232 | .1928E+01 | -.6073E+00 | .6368E+00 | .4540E+01 | .2424E+01 | .2967E+01 | .7189E-01 | .1057E+01 | -.3528E-01 | D0811C.BIS |
| 15.00 | 0.893 | 2.321 | .2139E+01 | -.5107E+00 | .6878E+00 | .4340E+01 | .2580E+01 | .3040E+01 | .1548E+00 | .1113E+01 | -.2594E-01 | D0811C.BIS |
| 16.00 | 0.947 | 2.410 | .1983E+01 | -.5008E+00 | .6170E+00 | .4380E+01 | .2150E+01 | .2550E+01 | .1554E+00 | .1121E+01 | -.2601E-02 | D0811C.BIS |
| 17.00 | 1.000 | 2.500 | .2037E+01 | -.5795E+00 | .5838E+00 | .3830E+01 | .2273E+01 | .2410E+01 | .3827E-01 | .9260E+00 | -.4420E-01 | D0811C.BIS |
| 18.00 | 1.055 | 2.589 | .1977E+01 | -.5058E+00 | .5353E+00 | .3560E+01 | .2178E+01 | .2261E+01 | .1325E+00 | .9405E+00 | -.8214E-01 | D0811C.BIS |
| 19.00 | 1.107 | 2.678 | .2074E+01 | -.5878E+00 | .4981E+00 | .3400E+01 | .1986E+01 | .2212E+01 | .8257E-01 | .9581E+00 | -.1081E-01 | D0811C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 0.20 | 0.150 | 0.799 | .3064E+02 | -.1874E+00 | .9029E-02 | .3660E+00 | .1332E+00 | .8069E-01 | -.1588E-01 | .8856E-02 | -.3360E-01 | D0910C.BIS |
| 2.00 | 0.295 | 0.928 | .8979E+01 | .5241E+00 | .1790E+00 | .2560E+02 | .1530E+02 | .1597E+02 | .7321E+01 | .3267E+01 | -.1744E+01 | D0910C.BIS |
| 3.00 | 0.375 | 0.999 | .5564E+01 | -.8654E-01 | .6658E+00 | .1440E+02 | .9475E+01 | .9505E+01 | .2762E+01 | .2888E+01 | -.9121E+00 | D0910C.BIS |
| 4.00 | 0.455 | 1.071 | .4981E+01 | -.3622E+00 | .1267E+01 | .1240E+02 | .7570E+01 | .8318E+01 | .1733E+01 | .2553E+01 | -.4348E+00 | D0910C.BIS |
| 5.00 | 0.535 | 1.142 | .4460E+01 | -.2244E+00 | .1296E+01 | .1030E+02 | .6725E+01 | .7351E+01 | .1563E+01 | .1875E+01 | -.1058E+00 | D0910C.BIS |
| 6.00 | 0.616 | 1.214 | .3851E+01 | -.4033E-01 | .1059E+01 | .9130E+01 | .5916E+01 | .6807E+01 | .1517E+01 | .2153E+01 | -.1682E+00 | D0910C.BIS |
| 7.00 | 0.697 | 1.285 | .3763E+01 | -.1085E+00 | .1199E+01 | .8350E+01 | .5663E+01 | .6114E+01 | .9708E+00 | .1911E+01 | -.1321E+00 | D0910C.BIS |
| 8.00 | 0.778 | 1.357 | .3270E+01 | -.9565E-01 | .9758E+00 | .7230E+01 | .4346E+01 | .5215E+01 | .9897E+00 | .1750E+01 | -.1329E+00 | D0910C.BIS |
| 9.00 | 0.857 | 1.428 | .3289E+01 | -.1160E+00 | .1146E+01 | .7080E+01 | .4232E+01 | .4841E+01 | .1129E+01 | .1496E+01 | .1629E+00 | D0910C.BIS |
| 10.00 | 0.937 | 1.499 | .3279E+01 | -.6545E-02 | .1016E+01 | .6270E+01 | .4324E+01 | .4663E+01 | .9637E+00 | .1343E+01 | .1889E+00 | D0910C.BIS |
| 11.00 | 1.018 | 1.571 | .3010E+01 | -.1619E+00 | .9230E+00 | .5720E+01 | .3801E+01 | .4277E+01 | .7126E+00 | .1408E+01 | .1238E+00 | D0910C.BIS |
| 12.00 | 1.099 | 1.642 | .3020E+01 | -.1375E+00 | .1011E+01 | .5670E+01 | .4012E+01 | .4101E+01 | .7970E+00 | .9437E+00 | -.1640E-01 | D0910C.BIS |
| 13.00 | 1.180 | 1.714 | .3307E+01 | -.7591E-01 | .1004E+01 | .5720E+01 | .3738E+01 | .4015E+01 | .7270E+00 | .1027E+01 | .6290E-01 | D0910C.BIS |
| 14.00 | 1.259 | 1.785 | .2892E+01 | -.1802E+00 | .9030E+00 | .4680E+01 | .3040E+01 | .3471E+01 | .5160E+00 | .1116E+01 | .4052E-01 | D0910C.BIS |
| 15.00 | 1.339 | 1.856 | .2865E+01 | -.1431E+00 | .8780E+00 | .4810E+01 | .3303E+01 | .3208E+01 | .6191E+00 | .8900E+00 | -.1210E+00 | D0910C.BIS |
| 16.00 | 1.420 | 1.928 | .2768E+01 | -.3375E+00 | .7923E+00 | .4330E+01 | .2769E+01 | .2828E+01 | .5795E+00 | .8897E+00 | -.4033E-01 | D0910C.BIS |
| 17.00 | 1.501 | 1.999 | .2750E+01 | -.4359E+00 | .6371E+00 | .4210E+01 | .2644E+01 | .2711E+01 | .5796E+00 | .7614E+00 | -.8614E-01 | D0910C.BIS |
| 18.00 | 1.582 | 2.070 | .2742E+01 | -.5088E+00 | .7429E+00 | .3730E+01 | .2524E+01 | .2529E+01 | .5101E+00 | .9022E+00 | .1740E-01 | D0910C.BIS |
| 19.00 | 1.661 | 2.142 | .2543E+01 | -.4443E+00 | .6795E+00 | .3680E+01 | .2198E+01 | .2279E+01 | .4325E+00 | .7347E+00 | -.7411E-01 | D0910C.BIS |
| 0.20 | 0.150 | 0.999 | .2792E+01 | -.4187E+00 | -.1947E+00 | .8870E+00 | .2213E+00 | .4574E-01 | -.3967E-01 | .2688E-01 | -.6198E-01 | D0911C.BIS |
| 2.00 | 0.295 | 1.160 | .2395E+01 | -.3224E+00 | .5270E+00 | .1000E+02 | .5031E+01 | .6621E+01 | .9887E+00 | .2427E+01 | .5826E+00 | D0911C.BIS |
| 3.00 | 0.375 | 1.250 | .1573E+01 | -.9734E-01 | .1587E+00 | .5630E+01 | .3669E+01 | .4180E+01 | .8503E+00 | .1286E+01 | .2965E+00 | D0911C.BIS |
| 4.00 | 0.455 | 1.339 | .1099E+01 | -.6422E-01 | -.1556E+00 | .4150E+01 | .2664E+01 | .2804E+01 | .5379E+00 | .8187E+00 | .1666E+00 | D0911C.BIS |
| 5.00 | 0.535 | 1.428 | .1284E+01 | -.7866E-02 | .1598E+00 | .5080E+01 | .3027E+01 | .2697E+01 | .5309E+00 | .6963E+00 | .1789E+00 | D0911C.BIS |
| 6.00 | 0.616 | 1.518 | .9602E+00 | -.7500E-01 | .1014E+00 | .4040E+01 | .2324E+01 | .2347E+01 | .5075E+00 | .6987E+00 | .2713E+00 | D0911C.BIS |
| 7.00 | 0.697 | 1.607 | .9576E+00 | -.1965E+00 | .9570E-01 | .3230E+01 | .2146E+01 | .2272E+01 | .2894E+00 | .7814E+00 | .2629E+00 | D0911C.BIS |
| 8.00 | 0.778 | 1.696 | .9807E+00 | -.3081E+00 | .3724E-01 | .3400E+01 | .1954E+01 | .2107E+01 | .3418E+00 | .6940E+00 | .1907E+00 | D0911C.BIS |
| 9.00 | 0.857 | 1.786 | .9387E+00 | -.3153E+00 | .6123E-01 | .2860E+01 | .1757E+01 | .2073E+01 | .2674E+00 | .7852E+00 | .1954E+00 | D0911C.BIS |
| 10.00 | 0.937 | 1.875 | .1021E+01 | -.2653E+00 | .1069E+00 | .2930E+01 | .1791E+01 | .2349E+01 | .2388E+00 | .8911E+00 | .3183E+00 | D0911C.BIS |
| 11.00 | 1.018 | 1.964 | .1033E+01 | -.2742E+00 | .2775E+00 | .3090E+01 | .1865E+01 | .2116E+01 | .2305E+00 | .6584E+00 | .1459E+00 | D0911C.BIS |
| 12.00 | 1.099 | 2.054 | .1070E+01 | -.2838E+00 | .6506E-01 | .2880E+01 | .1712E+01 | .2052E+01 | .2190E+00 | .7767E+00 | .1397E+00 | D0911C.BIS |
| 13.00 | 1.180 | 2.142 | .6332E+00 | -.3616E+00 | -.1337E+00 | .1820E+01 | .1376E+01 | .1210E+01 | .1140E+00 | .3703E+00 | .1734E+00 | D0911C.BIS |
| 14.00 | 1.259 | 2.232 | .5556E+00 | -.4084E+00 | -.1092E+00 | .1650E+01 | .1271E+01 | .1111E+01 | .7053E-01 | .3796E+00 | .8850E-01 | D0911C.BIS |
| 15.00 | 1.339 | 2.321 | .6380E+00 | -.4244E+00 | -.1015E+00 | .1750E+01 | .1341E+01 | .1163E+01 | -.1493E-02 | .4204E+00 | .3158E-01 | D0911C.BIS |
| 16.00 | 1.420 | 2.410 | .6359E+00 | -.2421E+00 | .1474E+00 | .2890E+01 | .1659E+01 | .1267E+01 | .1076E+00 | .5129E+00 | .1556E+00 | D0911C.BIS |
| 17.00 | 1.501 | 2.500 | .6573E+00 | -.3473E+00 | .1693E+00 | .2360E+01 | .1586E+01 | .1278E+01 | .1141E+00 | .5253E+00 | .4992E-01 | D0911C.BIS |
| 18.00 | 1.582 | 2.589 | .7584E+00 | -.3761E+00 | .1154E+00 | .2380E+01 | .1699E+01 | .1488E+01 | -.1566E-01 | .5218E+00 | .5003E-01 | D0911C.BIS |
| 19.00 | 1.661 | 2.678 | .7884E+00 | -.4053E+00 | .1544E+00 | .2170E+01 | .1666E+01 | .1499E+01 | .9453E-01 | .5300E+00 | -.5027E-01 | D0911C.BIS |
| 0.20 | 0.200 | -0.200 | .3101E+02 | -.1011E+00 | -.3471E+00 | .3960E+00 | .1611E+00 | .5947E-01 | .2565E-02 | .1494E-01 | -.4807E-01 | D1005C.BIS |
| 2.00 | 0.393 | -0.233 | .9006E+01 | .1224E+00 | .1728E+00 | .2180E+02 | .1496E+02 | .1746E+02 | .8491E+01 | -.2520E+01 | .2190E+00 | D1005C.BIS |
| 3.00 | 0.500 | -0.250 | .8866E+01 | .2217E+00 | -.3301E+00 | .1940E+02 | .1174E+02 | .1494E+02 | .5732E+01 | -.2786E+01 | -.5784E+00 | D1005C.BIS |
| 4.00 | 0.607 | -0.268 | .8570E+01 | .2034E+00 | -.2380E+00 | .1610E+02 | .9055E+01 | .1251E+02 | .4608E+01 | -.1587E+01 | -.3853E+00 | D1005C.BIS |
| 5.00 | 0.714 | -0.286 | .7708E+01 | .1965E+00 | -.1934E+00 | .1540E+02 | .8366E+01 | .1022E+02 | .4273E+01 | -.1306E+01 | -.4074E+00 | D1005C.BIS |
| 6.00 | 0.821 | -0.304 | .7102E+01 | .3280E+00 | -.7581E-01 | .1360E+02 | .8207E+01 | .9920E+01 | .4294E+01 | -.1406E+01 | -.3642E+00 | D1005C.BIS |
| 7.00 | 0.928 | -0.322 | .6501E+01 | .2368E+00 | .3556E-01 | .1210E+02 | .7015E+01 | .8622E+01 | .3628E+01 | -.6386E+00 | -.4526E+00 | D1005C.BIS |
| 8.00 | 1.036 | -0.340 | .6095E+01 | .6923E-01 | .7358E-02 | .1090E+02 | .7028E+01 | .8224E+01 | .3451E+01 | -.7998E+00 | -.2476E+00 | D1005C.BIS |
| 9.00 | 1.143 | -0.358 | .5745E+01 | .1432E+00 | -.2701E-01 | .9960E+01 | .6332E+01 | .7521E+01 | .3119E+01 | -.6676E+00 | -.6122E+00 | D1005C.BIS |
| 10.00 | 1.250 | -0.375 | .5422E+01 | .1166E+00 | .4412E-01 | .8910E+01 | .5488E+01 | .6426E+01 | .2597E+01 | -.4085E+00 | -.2585E+00 | D1005C.BIS |
| 11.00 | 1.357 | -0.394 | .5472E+01 | .1871E+00 | .1860E+00 | .8510E+01 | .5206E+01 | .6094E+01 | .2784E+01 | -.6206E+00 | -.2998E+00 | D1005C.BIS |
| 12.00 | 1.464 | -0.411 | .5448E+01 | .2268E+00 | .1846E+00 | .7540E+01 | .5101E+01 | .5700E+01 | .2542E+01 | -.6924E+00 | -.3200E+00 | D1005C.BIS |
| 13.00 | 1.571 | -0.429 | .5326E+01 | .2665E+00 | .2457E+00 | .7430E+01 | .4683E+01 | .5064E+01 | .2151E+01 | -.4383E+00 | -.1654E+00 | D1005C.BIS |
| 14.00 | 1.678 | -0.447 | .4984E+01 | .1516E+00 | .2410E+00 | .6540E+01 | .4350E+01 | .4690E+01 | .2160E+01 | -.5229E+00 | -.1634E+00 | D1005C.BIS |
| 15.00 | 1.785 | -0.465 | .5054E+01 | .2891E+00 | .2989E+00 | .6150E+01 | .4159E+01 | .4251E+01 | .1742E+01 | -.4946E+00 | -.2983E+00 | D1005C.BIS |
| 16.00 | 1.892 | -0.483 | .4924E+01 | .2239E+00 | .1798E+00 | .5340E+01 | .3849E+01 | .4000E+01 | .1633E+01 | -.7130E+00 | -.1893E+00 | D1005C.BIS |
| 17.00 | 1.999 | -0.501 | .4739E+01 | .2301E+00 | .5931E-01 | .5510E+01 | .3301E+01 | .3947E+01 | .1533E+01 | -.5773E+00 | -.2008E+00 | D1005C.BIS |
| 18.00 | 2.106 | -0.519 | .4797E+01 | .1685E+00 | .6735E-01 | .5170E+01 | .3262E+01 | .3536E+01 | .1482E+01 | -.6007E+00 | .8792E-02 | D1005C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \bar{u} | \bar{v} | \bar{w} | \bar{uv} | \bar{uw} | \bar{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 19.00 | 2.213 | -0.537 | .4593E+01 | .1985E+00 | .9775E-01 | .5260E+01 | .3364E+01 | .3518E+01 | .1539E+01 | -.5632E+00 | -.1858E+00 | D1005C.BIS |
| 0.20 | 0.199 | 0.199 | .3067E+02 | -.1139E+00 | .1789E+00 | .3570E+00 | .1017E+00 | .8109E-01 | -.1656E-01 | .1270E-01 | -.1735E-01 | D1007C.BIS |
| 2.00 | 0.393 | 0.232 | .9546E+01 | .2505E+00 | -.1735E+00 | .2460E+02 | .1539E+02 | .1638E+02 | .9054E+01 | .1572E+01 | -.1368E+01 | D1007C.BIS |
| 3.00 | 0.500 | 0.250 | .8446E+01 | .2298E+00 | .6710E-01 | .1760E+02 | .1059E+02 | .1263E+02 | .5503E+01 | .6565E+00 | -.4430E+00 | D1007C.BIS |
| 4.00 | 0.607 | 0.268 | .7405E+01 | .1556E+00 | .3962E+00 | .1440E+02 | .8481E+01 | .1084E+02 | .3661E+01 | .7763E+00 | -.3976E+00 | D1007C.BIS |
| 5.00 | 0.714 | 0.286 | .6909E+01 | .2630E+00 | .2482E+00 | .1250E+02 | .7522E+01 | .9941E+01 | .3579E+01 | .6009E+00 | -.6362E+00 | D1007C.BIS |
| 6.00 | 0.821 | 0.303 | .6370E+01 | .3899E+00 | .6912E+00 | .1150E+02 | .7271E+01 | .8778E+01 | .3257E+01 | -.3916E-02 | -.4795E+00 | D1007C.BIS |
| 7.00 | 0.928 | 0.322 | .5939E+01 | .2250E+00 | .2644E+00 | .1020E+02 | .6473E+01 | .7758E+01 | .2739E+01 | -.8762E-02 | -.6609E+00 | D1007C.BIS |
| 8.00 | 1.035 | 0.339 | .5636E+01 | .1452E+00 | .3514E+00 | .1010E+02 | .6299E+01 | .7063E+01 | .2729E+01 | .2810E+00 | -.6009E+00 | D1007C.BIS |
| 9.00 | 1.143 | 0.357 | .5572E+01 | .1532E+00 | .2799E+00 | .8550E+01 | .5901E+01 | .6254E+01 | .2501E+01 | .2927E+00 | -.4916E+00 | D1007C.BIS |
| 10.00 | 1.250 | 0.375 | .5084E+01 | .2101E+00 | .3787E+00 | .9240E+01 | .5843E+01 | .6008E+01 | .2690E+01 | .3779E+00 | -.3014E+00 | D1007C.BIS |
| 11.00 | 1.357 | 0.393 | .5258E+01 | .2600E+00 | .4189E+00 | .8440E+01 | .5232E+01 | .5754E+01 | .2469E+01 | .2923E+00 | -.5181E+00 | D1007C.BIS |
| 12.00 | 1.464 | 0.411 | .5109E+01 | .1875E+00 | .4683E+00 | .7510E+01 | .5053E+01 | .5608E+01 | .2335E+01 | .1803E+00 | -.2306E+00 | D1007C.BIS |
| 13.00 | 1.571 | 0.429 | .5001E+01 | .1743E+00 | .4973E+00 | .7080E+01 | .4698E+01 | .4924E+01 | .1859E+01 | .2776E+00 | -.3124E+00 | D1007C.BIS |
| 14.00 | 1.678 | 0.447 | .4997E+01 | .1793E+00 | .5238E+00 | .6280E+01 | .4253E+01 | .4564E+01 | .1771E+01 | .2763E+00 | -.3188E+00 | D1007C.BIS |
| 15.00 | 1.785 | 0.465 | .4888E+01 | .1599E+00 | .4896E+00 | .5820E+01 | .4215E+01 | .4127E+01 | .1711E+01 | .3356E+00 | -.1847E+00 | D1007C.BIS |
| 16.00 | 1.892 | 0.483 | .4813E+01 | .1549E+00 | .3757E+00 | .5480E+01 | .3860E+01 | .3874E+01 | .1671E+01 | .2752E+00 | -.3769E+00 | D1007C.BIS |
| 17.00 | 1.999 | 0.500 | .4698E+01 | .1316E+00 | .4673E+00 | .5400E+01 | .3486E+01 | .3682E+01 | .1283E+01 | .4171E+00 | -.1389E+00 | D1007C.BIS |
| 18.00 | 2.106 | 0.518 | .4739E+01 | .2069E+00 | .4810E+00 | .4920E+01 | .3380E+01 | .3449E+01 | .1226E+01 | .1816E+00 | -.1931E+00 | D1007C.BIS |
| 19.00 | 2.213 | 0.536 | .4635E+01 | .1444E+00 | .5020E+00 | .4870E+01 | .3327E+01 | .3236E+01 | .1303E+01 | .1323E+00 | -.7253E-01 | D1007C.BIS |
| 0.20 | 0.200 | 0.399 | .3109E+02 | -.3255E+00 | -.3999E+00 | .4360E+00 | .1412E+00 | .1271E+00 | -.7561E-02 | .2483E-01 | -.1615E-01 | D1008C.BIS |
| 2.00 | 0.393 | 0.464 | .1150E+02 | .8680E+00 | -.1191E+01 | .2530E+02 | .1596E+02 | .1845E+02 | .8232E+01 | -.2693E+01 | -.2475E+00 | D1008C.BIS |
| 3.00 | 0.500 | 0.500 | .9701E+01 | .6425E+00 | -.2178E+00 | .2110E+02 | .1133E+02 | .1395E+02 | .6539E+01 | -.7685E+00 | -.1335E+01 | D1008C.BIS |
| 4.00 | 0.607 | 0.535 | .7877E+01 | .3409E+00 | .1046E+00 | .1620E+02 | .9136E+01 | .1052E+02 | .4763E+01 | .4036E+00 | -.1092E+01 | D1008C.BIS |
| 5.00 | 0.714 | 0.571 | .6453E+01 | .1034E+00 | .4504E-01 | .1290E+02 | .8089E+01 | .8745E+01 | .3932E+01 | .6859E+00 | -.8269E+00 | D1008C.BIS |
| 6.00 | 0.821 | 0.607 | .5664E+01 | .7482E-01 | .3277E+00 | .1170E+02 | .6959E+01 | .7910E+01 | .2911E+01 | .1148E+01 | -.8223E+00 | D1008C.BIS |
| 7.00 | 0.928 | 0.642 | .5237E+01 | .1464E+00 | .4661E+00 | .1070E+02 | .6492E+01 | .6885E+01 | .2910E+01 | .6923E+00 | -.3969E+00 | D1008C.BIS |
| 8.00 | 1.036 | 0.678 | .5068E+01 | .1835E+00 | .3763E+00 | .9260E+01 | .6427E+01 | .7154E+01 | .2501E+01 | .1196E+01 | -.3530E+00 | D1008C.BIS |
| 9.00 | 1.142 | 0.714 | .4828E+01 | .1142E+00 | .6453E+00 | .8610E+01 | .5703E+01 | .6375E+01 | .2329E+01 | .6637E+00 | -.3568E+00 | D1008C.BIS |
| 10.00 | 1.250 | 0.750 | .4476E+01 | .6991E-01 | .6477E+00 | .7350E+01 | .5425E+01 | .5461E+01 | .1889E+01 | .5799E+00 | -.4826E+00 | D1008C.BIS |
| 11.00 | 1.357 | 0.785 | .4238E+01 | -.1719E-01 | .5486E+00 | .7270E+01 | .4737E+01 | .5159E+01 | .2048E+01 | .5497E+00 | -.2963E+00 | D1008C.BIS |
| 12.00 | 1.464 | 0.821 | .4262E+01 | -.1169E+00 | .6174E+00 | .6420E+01 | .4250E+01 | .4620E+01 | .1720E+01 | .5682E+00 | -.1014E+00 | D1008C.BIS |
| 13.00 | 1.571 | 0.857 | .4012E+01 | -.6173E-01 | .6449E+00 | .6410E+01 | .4287E+01 | .4423E+01 | .1548E+01 | .6280E+00 | -.2749E+00 | D1008C.BIS |
| 14.00 | 1.678 | 0.892 | .4075E+01 | -.3425E-01 | .6458E+00 | .6040E+01 | .3872E+01 | .4041E+01 | .1559E+01 | .5838E+00 | -.2711E+00 | D1008C.BIS |
| 15.00 | 1.785 | 0.928 | .4080E+01 | -.1398E+00 | .6609E+00 | .5500E+01 | .3790E+01 | .3766E+01 | .1620E+01 | .6849E+00 | -.2385E+00 | D1008C.BIS |
| 16.00 | 1.892 | 0.964 | .3926E+01 | -.1522E+00 | .6657E+00 | .5180E+01 | .3459E+01 | .3370E+01 | .1279E+01 | .5610E+00 | -.1987E+00 | D1008C.BIS |
| 17.00 | 1.999 | 0.999 | .3823E+01 | -.1302E+00 | .6092E+00 | .4500E+01 | .3159E+01 | .3135E+01 | .1050E+01 | .4773E+00 | -.1006E+00 | D1008C.BIS |
| 18.00 | 2.106 | 1.035 | .3916E+01 | -.1525E+00 | .6215E+00 | .4200E+01 | .2990E+01 | .2953E+01 | .1033E+01 | .4370E+00 | -.1315E+00 | D1008C.BIS |
| 19.00 | 2.213 | 1.071 | .3657E+01 | -.1344E+00 | .6465E+00 | .4240E+01 | .2917E+01 | .3041E+01 | .9521E+00 | .5861E+00 | -.3010E+00 | D1008C.BIS |
| 0.20 | 0.199 | 0.599 | .3097E+02 | -.2222E+00 | -.4432E+00 | .2720E+00 | .1370E+00 | .1013E+00 | -.9073E-02 | .8047E-02 | -.2713E-01 | D1009C.BIS |
| 2.00 | 0.393 | 0.696 | .8543E+01 | .2967E+00 | -.1100E+00 | .2160E+02 | .1468E+02 | .1391E+02 | .5874E+01 | .2096E+01 | -.1607E+01 | D1009C.BIS |
| 3.00 | 0.500 | 0.750 | .5912E+01 | .1135E+00 | .2010E+00 | .1500E+02 | .9111E+01 | .9472E+01 | .3848E+01 | .1388E+01 | -.9790E+00 | D1009C.BIS |
| 4.00 | 0.607 | 0.803 | .4872E+01 | .5722E-01 | .4103E+00 | .1170E+02 | .7159E+01 | .7451E+01 | .2873E+01 | .1343E+01 | -.4638E+00 | D1009C.BIS |
| 5.00 | 0.714 | 0.857 | .3881E+01 | -.2011E-01 | .5189E+00 | .9380E+01 | .5783E+01 | .6416E+01 | .2164E+01 | .1053E+01 | -.2804E+00 | D1009C.BIS |
| 6.00 | 0.821 | 0.910 | .3381E+01 | -.2175E-01 | .4409E+00 | .8210E+01 | .4941E+01 | .5407E+01 | .1387E+01 | .1257E+01 | -.1362E+00 | D1009C.BIS |
| 7.00 | 0.928 | 0.964 | .3248E+01 | -.8842E-01 | .6381E+00 | .7710E+01 | .4836E+01 | .4954E+01 | .1331E+01 | .1204E+01 | -.9527E-01 | D1009C.BIS |
| 8.00 | 1.036 | 1.018 | .3046E+01 | -.1280E+00 | .4751E+00 | .7050E+01 | .4484E+01 | .4922E+01 | .1368E+01 | .1155E+01 | -.1155E+00 | D1009C.BIS |
| 9.00 | 1.143 | 1.071 | .2853E+01 | -.3372E-01 | .4938E+00 | .6590E+01 | .4096E+01 | .4665E+01 | .1118E+01 | .1212E+01 | -.1447E+00 | D1009C.BIS |
| 10.00 | 1.250 | 1.125 | .2901E+01 | -.5547E-01 | .6384E+00 | .6300E+01 | .4028E+01 | .4343E+01 | .1118E+01 | .8110E+00 | -.1110E+00 | D1009C.BIS |
| 11.00 | 1.357 | 1.179 | .2519E+01 | -.3311E-01 | .5034E+00 | .6110E+01 | .3560E+01 | .3801E+01 | .9786E+00 | .7708E+00 | -.4654E-01 | D1009C.BIS |
| 12.00 | 1.464 | 1.232 | .2403E+01 | -.1147E+00 | .5423E+00 | .5610E+01 | .3633E+01 | .3330E+01 | .8027E+00 | .9440E+00 | -.2931E-01 | D1009C.BIS |
| 13.00 | 1.571 | 1.286 | .2355E+01 | -.1474E-01 | .4624E+00 | .5610E+01 | .3606E+01 | .3522E+01 | .8158E+00 | .9771E+00 | -.8133E-01 | D1009C.BIS |
| 14.00 | 1.678 | 1.339 | .2758E+01 | .9680E-01 | .5572E+00 | .5590E+01 | .3434E+01 | .3416E+01 | .8806E+00 | .8645E+00 | -.4843E-01 | D1009C.BIS |
| 15.00 | 1.785 | 1.393 | .2902E+01 | -.1815E+00 | .4945E+00 | .5010E+01 | .2954E+01 | .3053E+01 | .8120E+00 | .8014E+00 | .8302E-02 | D1009C.BIS |
| 16.00 | 1.892 | 1.447 | .2786E+01 | -.1639E+00 | .5319E+00 | .4640E+01 | .2906E+01 | .2634E+01 | .7010E+00 | .8202E+00 | .1709E-01 | D1009C.BIS |
| 17.00 | 1.999 | 1.500 | .2970E+01 | -.2107E+00 | .6555E+00 | .4270E+01 | .2865E+01 | .2498E+01 | .5949E+00 | .7200E+00 | .5253E-01 | D1009C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 18.00 | 2.106 | 1.554 | .2671E+01 | -.1916E+00 | .5226E+00 | .4100E+01 | .2768E+01 | .2276E+01 | .6983E+00 | .6693E+00 | -.4387E-01 | D1009C.BIS |
| 19.00 | 2.213 | 1.607 | .2664E+01 | -.2056E+00 | .4827E+00 | .3680E+01 | .2426E+01 | .2351E+01 | .6320E+00 | .7598E+00 | -.8290E-02 | D1009C.BIS |
| 0.20 | 0.200 | 1.000 | .1531E+01 | -.2517E+00 | -.2182E+00 | .8580E+00 | .2473E+00 | .3891E-01 | -.1086E+00 | .3143E-01 | -.6541E-01 | D1011C.BIS |
| 2.00 | 0.393 | 1.160 | .4155E+00 | -.6113E+00 | -.3419E+00 | .1540E+01 | .1550E+01 | .1510E+01 | -.3095E-03 | .3576E+00 | .3280E+00 | D1011C.BIS |
| 3.00 | 0.499 | 1.250 | .4143E+00 | -.5868E+00 | -.4092E+00 | .1040E+01 | .1157E+01 | .8568E+00 | -.1450E-01 | .1797E+00 | .2213E+00 | D1011C.BIS |
| 4.00 | 0.607 | 1.339 | .2994E+00 | -.5936E+00 | -.4235E+00 | .8510E+00 | .5780E+00 | .6189E+00 | -.5335E-01 | .7429E-01 | .1317E-01 | D1011C.BIS |
| 5.00 | 0.714 | 1.428 | .3133E+00 | -.4177E+00 | -.1956E+00 | .1570E+01 | .1335E+01 | .9539E+00 | .3110E-01 | .1884E+00 | .2019E+00 | D1011C.BIS |
| 6.00 | 0.821 | 1.518 | .2997E+00 | -.4147E+00 | -.1472E+00 | .1750E+01 | .8905E+00 | .9672E+00 | .4085E-02 | .1593E+00 | .2533E-01 | D1011C.BIS |
| 7.00 | 0.928 | 1.607 | .2689E+00 | -.5513E+00 | -.2776E+00 | .7350E+00 | .4292E+00 | .4366E+00 | -.3162E-01 | .5189E-01 | -.1025E-01 | D1011C.BIS |
| 8.00 | 1.035 | 1.696 | .3015E+00 | -.4452E+00 | -.1911E+00 | .1090E+01 | .1039E+01 | .7201E+00 | -.6116E-03 | .1165E+00 | .1269E+00 | D1011C.BIS |
| 9.00 | 1.143 | 1.786 | .2551E+00 | -.3960E+00 | -.7159E-01 | .1230E+01 | .1070E+01 | .9173E+00 | .1410E-01 | .2270E+00 | .2021E+00 | D1011C.BIS |
| 10.00 | 1.250 | 1.875 | .3215E+00 | -.4940E+00 | -.1660E+00 | .7350E+00 | .4364E+00 | .4661E+00 | -.2376E-01 | .6059E-01 | .7787E-02 | D1011C.BIS |
| 11.00 | 1.357 | 1.964 | .3288E+00 | -.4248E+00 | -.5343E-01 | .9820E+00 | .9816E+00 | .7222E+00 | -.4129E-01 | .1153E+00 | .1112E+00 | D1011C.BIS |
| 12.00 | 1.464 | 2.054 | .3281E+00 | -.4669E+00 | -.1410E+00 | .8270E+00 | .5293E+00 | .5688E+00 | -.4094E-01 | .1082E+00 | .1003E-01 | D1011C.BIS |
| 13.00 | 1.571 | 2.142 | .3871E+00 | -.4629E+00 | -.9436E-01 | .8690E+00 | .9893E+00 | .6805E+00 | -.2165E-02 | .1380E+00 | .8284E-01 | D1011C.BIS |
| 14.00 | 1.678 | 2.232 | .4414E+00 | -.3542E+00 | -.7542E-01 | .7360E+01 | .1256E+01 | .1034E+01 | .1787E-01 | .2506E+00 | .1805E+00 | D1011C.BIS |
| 15.00 | 1.785 | 2.321 | .5386E+00 | -.3839E+00 | .8110E-01 | .1460E+01 | .1261E+01 | .1009E+01 | .3353E-01 | .2854E+00 | .1647E+00 | D1011C.BIS |
| 16.00 | 1.892 | 2.410 | .5976E+00 | -.3479E+00 | .1358E+00 | .1720E+01 | .1251E+01 | .1113E+01 | .1417E+00 | .4346E+00 | .1666E+00 | D1011C.BIS |
| 17.00 | 1.999 | 2.500 | .6590E+00 | -.3937E+00 | .1329E+00 | .1540E+01 | .1214E+01 | .1049E+01 | -.4276E-03 | .3506E+00 | .1217E+00 | D1011C.BIS |
| 18.00 | 2.106 | 2.589 | .6990E+00 | -.4732E+00 | .1451E+00 | .1500E+01 | .1171E+01 | .1046E+01 | .3069E-01 | .2915E+00 | .6665E-01 | D1011C.BIS |
| 19.00 | 2.213 | 2.678 | .5793E+00 | -.4464E+00 | .9967E-01 | .1350E+01 | .1140E+01 | .8961E+00 | .5621E-01 | .2803E+00 | .5967E-01 | D1011C.BIS |
| 0.20 | 0.250 | -0.199 | .6526E+01 | -.3131E+00 | -.2751E+00 | .5660E+01 | .2448E+00 | .3532E-01 | .3729E-01 | .9430E-01 | -.5965E-01 | D1105C.BIS |
| 2.00 | 0.491 | -0.233 | .4063E+01 | -.1410E+00 | -.5129E+00 | .1150E+02 | .8716E+01 | .1002E+02 | .3080E+01 | -.1423E+01 | -.8867E+00 | D1105C.BIS |
| 3.00 | 0.625 | -0.250 | .5382E+01 | .1170E+00 | .2235E+00 | .1140E+02 | .7427E+01 | .9582E+01 | .3296E+01 | -.1137E+00 | -.4321E+00 | D1105C.BIS |
| 4.00 | 0.760 | -0.268 | .5192E+01 | .1118E+00 | .1690E+00 | .1120E+02 | .7391E+01 | .8226E+01 | .3415E+01 | -.5744E+00 | -.5544E+00 | D1105C.BIS |
| 5.00 | 0.892 | -0.286 | .4811E+01 | .2238E+00 | -.4076E-01 | .9970E+01 | .6623E+01 | .6963E+01 | .3052E+01 | -.6253E+00 | -.1044E+00 | D1105C.BIS |
| 6.00 | 1.027 | -0.304 | .4385E+01 | .2511E+00 | -.1719E+00 | .8560E+01 | .6148E+01 | .6085E+01 | .2481E+01 | -.6082E+00 | -.5262E+00 | D1105C.BIS |
| 7.00 | 1.161 | -0.322 | .3863E+01 | .1174E+00 | -.1219E+00 | .7930E+01 | .5343E+01 | .5719E+01 | .2183E+01 | -.5336E+00 | -.4382E+00 | D1105C.BIS |
| 8.00 | 1.294 | -0.340 | .3646E+01 | .1369E+00 | -.2378E-01 | .7040E+01 | .4804E+01 | .4942E+01 | .2007E+01 | -.4711E+00 | -.3565E+00 | D1105C.BIS |
| 9.00 | 1.427 | -0.358 | .3271E+01 | .1186E+00 | -.6123E-01 | .6910E+01 | .4502E+01 | .4181E+01 | .1835E+01 | -.4847E+00 | -.4166E+00 | D1105C.BIS |
| 10.00 | 1.565 | -0.375 | .3413E+01 | .1780E+00 | .2892E-01 | .6620E+01 | .4564E+01 | .4220E+01 | .1828E+01 | -.1445E+00 | -.1749E+00 | D1105C.BIS |
| 11.00 | 1.695 | -0.394 | .3421E+01 | .7342E-01 | .2015E+00 | .5230E+01 | .3663E+01 | .3790E+01 | .1494E+01 | -.1629E+00 | -.1893E+00 | D1105C.BIS |
| 12.00 | 1.829 | -0.411 | .3259E+01 | .2263E+00 | .2630E-02 | .5240E+01 | .4101E+01 | .3573E+01 | .1607E+01 | -.1086E+00 | -.1690E+00 | D1105C.BIS |
| 13.00 | 1.965 | -0.430 | .2274E+01 | .2022E+00 | -.1929E+00 | .4840E+01 | .3221E+01 | .2903E+01 | .1049E+01 | -.1076E+00 | .5559E-01 | D1105C.BIS |
| 14.00 | 2.097 | -0.447 | .2684E+01 | .2696E+00 | -.3971E-01 | .4530E+01 | .2938E+01 | .2916E+01 | .8886E+00 | -.5112E-01 | -.7411E-01 | D1105C.BIS |
| 15.00 | 2.231 | -0.465 | .2649E+01 | .9034E-01 | -.1136E+00 | .4410E+01 | .2777E+01 | .2588E+01 | .1140E+01 | -.1965E+00 | -.2761E+00 | D1105C.BIS |
| 16.00 | 2.366 | -0.483 | .2907E+01 | .1141E+00 | -.1429E+00 | .4940E+01 | .3213E+01 | .2736E+01 | .1339E+01 | -.2319E+00 | -.3091E+00 | D1105C.BIS |
| 17.00 | 2.499 | -0.501 | .2989E+01 | .1670E+00 | .2954E-01 | .4180E+01 | .2669E+01 | .2389E+01 | .1047E+01 | .1026E-01 | .3023E-01 | D1105C.BIS |
| 18.00 | 2.633 | -0.519 | .3034E+01 | .4535E-01 | .1651E+00 | .3880E+01 | .2727E+01 | .2189E+01 | .9622E+00 | -.1851E+00 | -.3411E-01 | D1105C.BIS |
| 19.00 | 2.768 | -0.537 | .2859E+01 | .2720E-01 | .1181E+00 | .3740E+01 | .2528E+01 | .2011E+01 | .1024E+01 | -.1309E+00 | .5393E-01 | D1105C.BIS |
| 0.20 | 0.250 | 0.199 | .3291E+01 | -.3644E+00 | -.2273E+00 | .3360E+01 | .2415E+00 | .6120E-01 | -.1639E+00 | .8363E-01 | -.7169E-01 | D1107C.BIS |
| 2.00 | 0.491 | 0.232 | .5269E+01 | .4354E+00 | .1221E+00 | .1530E+02 | .1150E+02 | .1061E+02 | .4564E+01 | .1979E+00 | -.5565E+00 | D1107C.BIS |
| 3.00 | 0.625 | 0.250 | .4970E+01 | .1726E+00 | -.6369E-01 | .1190E+02 | .6805E+01 | .8863E+01 | .2667E+01 | -.8192E-01 | -.3765E+00 | D1107C.BIS |
| 4.00 | 0.760 | 0.268 | .4825E+01 | .2689E+00 | -.1845E+00 | .1060E+02 | .6602E+01 | .7175E+01 | .2726E+01 | -.2158E+00 | -.2193E+00 | D1107C.BIS |
| 5.00 | 0.892 | 0.286 | .4552E+01 | .2523E+00 | .7102E-01 | .8760E+01 | .6264E+01 | .6044E+01 | .2649E+01 | -.7349E-01 | -.6226E+00 | D1107C.BIS |
| 6.00 | 1.026 | 0.303 | .3497E+01 | .5968E-01 | -.7121E-01 | .7400E+01 | .4924E+01 | .4746E+01 | .1717E+01 | .1418E+00 | -.4654E+00 | D1107C.BIS |
| 7.00 | 1.161 | 0.322 | .3419E+01 | .4871E-01 | .2011E+00 | .6890E+01 | .4609E+01 | .4515E+01 | .1742E+01 | .1311E+00 | -.2227E+00 | D1107C.BIS |
| 8.00 | 1.294 | 0.339 | .3142E+01 | .2547E-01 | .2057E+00 | .6710E+01 | .4713E+01 | .4276E+01 | .1672E+01 | .1481E+00 | -.3010E+00 | D1107C.BIS |
| 9.00 | 1.428 | 0.357 | .2922E+01 | .2039E-01 | .2190E+00 | .5920E+01 | .3973E+01 | .3791E+01 | .1516E+01 | .2279E+00 | -.3701E-01 | D1107C.BIS |
| 10.00 | 1.563 | 0.375 | .2854E+01 | .3416E-02 | .3920E+00 | .5760E+01 | .3937E+01 | .3610E+01 | .1489E+01 | .3683E-01 | -.8513E-01 | D1107C.BIS |
| 11.00 | 1.695 | 0.393 | .2919E+01 | .1699E-01 | .3053E+00 | .5680E+01 | .3778E+01 | .3333E+01 | .1482E+01 | .2697E+00 | -.5608E-01 | D1107C.BIS |
| 12.00 | 1.829 | 0.411 | .2862E+01 | .1637E-01 | .4100E+00 | .5160E+01 | .3629E+01 | .3215E+01 | .1436E+01 | .3054E+00 | .9324E-01 | D1107C.BIS |
| 13.00 | 1.965 | 0.429 | .2906E+01 | .4507E-01 | .3117E+00 | .5140E+01 | .3294E+01 | .3232E+01 | .1189E+01 | .2448E+00 | -.7693E-01 | D1107C.BIS |
| 14.00 | 2.097 | 0.447 | .3093E+01 | .7627E-01 | .3959E+00 | .4690E+01 | .3204E+01 | .3060E+01 | .1065E+01 | .2063E+00 | -.9370E-01 | D1107C.BIS |
| 15.00 | 2.231 | 0.465 | .2602E+01 | .2342E+00 | .2249E+00 | .5010E+01 | .3329E+01 | .2816E+01 | .1052E+01 | .1382E+00 | -.6662E-01 | D1107C.BIS |
| 16.00 | 2.366 | 0.482 | .2338E+01 | .2291E+00 | .2604E+00 | .4220E+01 | .2559E+01 | .2074E+01 | .8258E+00 | .2915E+00 | -.7775E-01 | D1107C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 17.00 | 2.499 | 0.500 | .2796E+01 | .9787E-01 | .3309E+00 | .4010E+01 | .2673E+01 | .2265E+01 | .9572E+00 | .1201E+00 | -.1017E+00 | D1107C.BIS |
| 18.00 | 2.633 | 0.518 | .2810E+01 | .7685E-01 | .2401E+00 | .3760E+01 | .2646E+01 | .2308E+01 | .9228E+00 | .1711E+00 | -.5555E-01 | D1107C.BIS |
| 19.00 | 2.767 | 0.536 | .2740E+01 | -.2393E-02 | .2042E+00 | .4090E+01 | .2657E+01 | .2187E+01 | .1087E+01 | .3379E+00 | -.8200E-01 | D1107C.BIS |
| 0.20 | 0.250 | 0.399 | .2887E+01 | -.3825E+00 | -.3282E+00 | .2520E+01 | .2905E+00 | .5267E-01 | -.7200E-02 | .9522E-01 | -.7846E-01 | D1108C.BIS |
| 2.00 | 0.491 | 0.464 | .6725E+01 | .5306E+00 | -.1138E+01 | .1610E+02 | .1030E+02 | .1050E+02 | .4387E+01 | -.1807E+01 | -.6057E+00 | D1108C.BIS |
| 3.00 | 0.625 | 0.500 | .5922E+01 | .3339E+00 | -.2977E+00 | .1300E+02 | .9056E+01 | .8302E+01 | .4087E+01 | -.8659E-01 | -.3254E+00 | D1108C.BIS |
| 4.00 | 0.760 | 0.535 | .4645E+01 | .3684E+00 | -.2373E+00 | .1130E+02 | .7290E+01 | .6935E+01 | .3221E+01 | -.3444E-01 | -.4848E+00 | D1108C.BIS |
| 5.00 | 0.892 | 0.571 | .3756E+01 | .1663E+00 | -.7306E-01 | .9120E+01 | .5740E+01 | .5495E+01 | .2632E+01 | .5007E+00 | -.1877E+00 | D1108C.BIS |
| 6.00 | 1.026 | 0.607 | .3130E+01 | .3231E-01 | -.2653E-02 | .7560E+01 | .5177E+01 | .4702E+01 | .2016E+01 | .2643E+00 | -.1477E+00 | D1108C.BIS |
| 7.00 | 1.161 | 0.642 | .2535E+01 | .7715E-04 | .2035E-01 | .6770E+01 | .4289E+01 | .4306E+01 | .1686E+01 | .3158E+00 | .2823E-01 | D1108C.BIS |
| 8.00 | 1.294 | 0.678 | .2141E+01 | -.4139E-01 | -.1067E+00 | .5970E+01 | .3709E+01 | .3443E+01 | .1306E+01 | .4478E+00 | .1461E+00 | D1108C.BIS |
| 9.00 | 1.428 | 0.714 | .2084E+01 | -.4439E-01 | -.1569E+00 | .5870E+01 | .3668E+01 | .3684E+01 | .1295E+01 | .4600E+00 | .4056E-01 | D1108C.BIS |
| 10.00 | 1.563 | 0.750 | .1722E+01 | .3081E+00 | -.1290E+00 | .5940E+01 | .4116E+01 | .3826E+01 | .1040E+01 | .6870E+00 | .3014E-01 | D1108C.BIS |
| 11.00 | 1.695 | 0.785 | .1691E+01 | .2368E+00 | -.1076E+00 | .5670E+01 | .3677E+01 | .3265E+01 | .1118E+01 | .6746E+00 | .2433E+00 | D1108C.BIS |
| 12.00 | 1.829 | 0.821 | .1776E+01 | .1407E+00 | -.4577E-01 | .5390E+01 | .3442E+01 | .2942E+01 | .1456E+01 | .4308E+00 | .2451E-01 | D1108C.BIS |
| 13.00 | 1.965 | 0.857 | .1815E+01 | -.1567E-01 | .1457E+00 | .4710E+01 | .3141E+01 | .2813E+01 | .2610E+01 | .1032E+01 | .4380E+00 | D1108C.BIS |
| 14.00 | 2.097 | 0.892 | .2026E+01 | -.1054E+00 | .1331E+00 | .4320E+01 | .2879E+01 | .2610E+01 | .2271E+01 | .8551E+00 | .5828E+00 | D1108C.BIS |
| 15.00 | 2.231 | 0.928 | .1691E+01 | -.1226E+00 | .1585E+00 | .4300E+01 | .2509E+01 | .2271E+01 | .8551E+00 | .5828E+00 | .1241E+00 | D1108C.BIS |
| 16.00 | 2.366 | 0.964 | .2104E+01 | -.9941E-01 | .3460E+00 | .4040E+01 | .2407E+01 | .2411E+01 | .7649E+00 | .3965E+00 | .8794E-01 | D1108C.BIS |
| 17.00 | 2.499 | 0.999 | .2213E+01 | -.1232E+00 | .2832E+00 | .3990E+01 | .2416E+01 | .2142E+01 | .8074E+00 | .6042E+00 | .9659E-01 | D1108C.BIS |
| 18.00 | 2.633 | 1.035 | .2193E+01 | -.1589E+00 | .3303E+00 | .3800E+01 | .2355E+01 | .2128E+01 | .8396E+00 | .5400E+00 | .6233E-01 | D1108C.BIS |
| 19.00 | 2.768 | 1.071 | .2311E+01 | -.1384E+00 | .3898E+00 | .3560E+01 | .2103E+01 | .2037E+01 | .7619E+00 | .5114E+00 | .1053E+00 | D1108C.BIS |
| 0.20 | 0.250 | 0.599 | .2576E+01 | -.3642E+00 | -.3045E+00 | .1310E+01 | .2041E+00 | .6319E-01 | -.4648E-01 | .5334E-01 | -.6166E-01 | D1109C.BIS |
| 2.00 | 0.491 | 0.696 | .5573E+01 | .4711E+00 | .1547E+00 | .1550E+02 | .1057E+02 | .1052E+02 | .3903E+01 | .2298E+01 | .1616E+00 | D1109C.BIS |
| 3.00 | 0.625 | 0.750 | .3598E+01 | .1332E+00 | .3839E+00 | .1070E+02 | .6694E+01 | .6955E+01 | .2221E+01 | .1586E+01 | .3863E+00 | D1109C.BIS |
| 4.00 | 0.760 | 0.803 | .2860E+01 | -.5980E-01 | .2878E+00 | .8130E+01 | .5112E+01 | .5373E+01 | .1520E+01 | .1365E+01 | .5432E-01 | D1109C.BIS |
| 5.00 | 0.892 | 0.857 | .2140E+01 | -.1806E+00 | .1517E+00 | .6630E+01 | .3964E+01 | .3978E+01 | .1255E+01 | .9132E+00 | .1108E+00 | D1109C.BIS |
| 6.00 | 1.026 | 0.910 | .1816E+01 | -.1981E+00 | .1428E+00 | .5260E+01 | .3380E+01 | .3454E+01 | .9490E+00 | .8253E+00 | .2642E+00 | D1109C.BIS |
| 7.00 | 1.161 | 0.964 | .1718E+01 | .5452E-01 | .8985E-01 | .4910E+01 | .3398E+01 | .3148E+01 | .8985E+00 | .6930E+00 | .1833E+00 | D1109C.BIS |
| 8.00 | 1.294 | 1.018 | .1289E+01 | -.1613E+00 | .1249E-01 | .4090E+01 | .2620E+01 | .2687E+01 | .6276E+00 | .6930E+00 | .1617E+00 | D1109C.BIS |
| 9.00 | 1.428 | 1.071 | .6822E+00 | -.3744E+00 | -.2072E+00 | .1940E+01 | .1590E+01 | .1254E+01 | .2313E+00 | .2676E+00 | .1617E+00 | D1109C.BIS |
| 10.00 | 1.563 | 1.125 | .7956E+00 | -.3104E+00 | -.5613E-01 | .2040E+01 | .1702E+01 | .1408E+01 | .2397E+00 | .3384E+00 | .1826E+00 | D1109C.BIS |
| 11.00 | 1.696 | 1.179 | .7333E+00 | -.3238E+00 | -.1254E+00 | .1960E+01 | .1755E+01 | .1358E+01 | .2612E+00 | .3352E+00 | .2367E+00 | D1109C.BIS |
| 12.00 | 1.829 | 1.232 | .1072E+01 | -.2334E-01 | .1628E+00 | .3690E+01 | .2424E+01 | .2206E+01 | .5149E+00 | .4989E+00 | .3336E+00 | D1109C.BIS |
| 13.00 | 1.964 | 1.286 | .1009E+01 | -.1158E+00 | .5904E-01 | .3110E+01 | .1963E+01 | .1623E+01 | .3909E+00 | .4329E+00 | .1678E+00 | D1109C.BIS |
| 14.00 | 2.098 | 1.339 | .1135E+01 | -.2596E+00 | .1984E+00 | .3010E+01 | .2019E+01 | .1821E+01 | .3677E+00 | .5742E+00 | .1106E+00 | D1109C.BIS |
| 15.00 | 2.231 | 1.393 | .9944E+00 | -.2336E+00 | .1369E+00 | .2460E+01 | .1824E+01 | .1543E+01 | .2318E+00 | .4340E+00 | .8413E-01 | D1109C.BIS |
| 16.00 | 2.366 | 1.447 | .9551E+00 | -.2529E+00 | .8049E-03 | .2190E+01 | .1435E+01 | .1250E+01 | .2232E+00 | .3695E+00 | .1040E+00 | D1109C.BIS |
| 17.00 | 2.499 | 1.500 | .1055E+01 | -.2240E+00 | .1130E+00 | .2370E+01 | .1583E+01 | .1304E+01 | .2902E+00 | .4575E+00 | .1093E+00 | D1109C.BIS |
| 18.00 | 2.633 | 1.554 | .1001E+01 | -.2622E+00 | .1283E+00 | .2420E+01 | .1539E+01 | .1194E+01 | .2710E+00 | .4489E+00 | .1628E+00 | D1109C.BIS |
| 19.00 | 2.768 | 1.607 | .1031E+01 | -.2481E+00 | .1450E+00 | .2270E+01 | .1464E+01 | .1386E+01 | .2034E+00 | .4788E+00 | .1045E+00 | D1109C.BIS |
| 0.20 | 0.249 | 0.799 | .2386E+01 | -.4025E+00 | -.3404E+00 | .1310E+01 | .2139E+00 | .8492E-01 | -.1769E-01 | .6434E-01 | -.6497E-01 | D1110C.BIS |
| 2.00 | 0.491 | 0.928 | .1444E+01 | -.1205E-01 | .1818E-01 | .7170E+01 | .5477E+01 | .4721E+01 | .1281E+01 | .7850E+00 | .4500E-01 | D1110C.BIS |
| 3.00 | 0.625 | 0.999 | .1010E+01 | -.2764E+00 | .5399E-01 | .4430E+01 | .3060E+01 | .3433E+01 | .6977E+00 | .9675E+00 | .4394E+00 | D1110C.BIS |
| 4.00 | 0.760 | 1.071 | .8081E+00 | -.1260E+00 | .1521E+00 | .4300E+01 | .2843E+01 | .2871E+01 | .6599E+00 | .7579E+00 | .3338E+00 | D1110C.BIS |
| 5.00 | 0.892 | 1.142 | .4919E+00 | -.2669E+00 | -.1632E+00 | .2950E+01 | .2196E+01 | .2076E+01 | .2375E+00 | .4845E+00 | .3608E+00 | D1110C.BIS |
| 6.00 | 1.027 | 1.214 | .4896E+00 | -.3036E+00 | -.1589E+00 | .2190E+01 | .1749E+01 | .1516E+01 | .2069E+00 | .3035E+00 | .2336E+00 | D1110C.BIS |
| 7.00 | 1.161 | 1.285 | .3455E+00 | -.4145E+00 | -.2862E+00 | .1390E+01 | .1264E+01 | .9945E+00 | .7501E-01 | .2134E+00 | .1594E+00 | D1110C.BIS |
| 8.00 | 1.294 | 1.357 | .4484E+00 | -.2787E+00 | -.2145E+00 | .2030E+01 | .1766E+01 | .1303E+01 | .2112E+00 | .2371E+00 | .2325E+00 | D1110C.BIS |
| 9.00 | 1.427 | 1.428 | .3883E+00 | -.2754E+00 | -.1432E+00 | .1750E+01 | .1599E+01 | .1123E+01 | .1770E+00 | .2533E+00 | .2571E+00 | D1110C.BIS |
| 10.00 | 1.563 | 1.499 | .3386E+00 | -.3925E+00 | -.1332E+00 | .1210E+01 | .1110E+01 | .8978E+00 | .1300E-01 | .2184E+00 | .1514E+00 | D1110C.BIS |
| 11.00 | 1.695 | 1.571 | .2828E+00 | -.3436E+00 | -.2660E+00 | .1070E+01 | .6745E+00 | .7656E+00 | .5651E-01 | .1416E+00 | .4671E-01 | D1110C.BIS |
| 12.00 | 1.829 | 1.642 | .3096E+00 | -.3757E+00 | -.2374E+00 | .1190E+01 | .7289E+00 | .7583E+00 | .8121E-01 | .1569E+00 | -.1428E-01 | D1110C.BIS |
| 13.00 | 1.965 | 1.714 | .2532E+00 | -.2555E+00 | -.1691E+00 | .1940E+01 | .8716E+00 | .9269E+00 | .2031E+00 | .2846E+00 | -.1201E-01 | D1110C.BIS |
| 14.00 | 2.097 | 1.785 | .3110E+00 | -.2381E+00 | -.2678E-01 | .1930E+01 | .9682E+00 | .1057E+01 | .1777E+00 | .3293E+00 | .1166E-01 | D1110C.BIS |
| 15.00 | 2.231 | 1.857 | .2282E+00 | -.3535E+00 | -.7718E-01 | .1380E+01 | .1147E+01 | .8712E+00 | .9369E-01 | .2642E+00 | .1279E+00 | D1110C.BIS |

TABLE 4
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{vw} | \overline{wv} | File Name |
|-------|-------|-------|------------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 16.00 | 2.367 | 1.928 | .2219E+00 | -.2908E+00 | -.2221E+00 | .1340E+01 | .6970E+00 | .7169E+00 | .1223E+00 | .2070E+00 | -.2656E-01 | D1110C.BIS |
| 17.00 | 2.499 | 1.999 | .3119E+00 | -.3147E+00 | -.2313E+00 | .1560E+01 | .1106E+01 | .7908E+00 | .1647E+00 | .3151E+00 | .1384E+00 | D1110C.BIS |
| 18.00 | 2.633 | 2.070 | .4766E+00 | -.3629E+00 | -.9439E-01 | .1510E+01 | .1128E+01 | .8126E+00 | .1001E+00 | .2377E+00 | .1125E+00 | D1110C.BIS |
| 19.00 | 2.768 | 2.142 | .4644E+00 | -.3182E+00 | -.2306E+00 | .1390E+01 | .1102E+01 | .7857E+00 | .1075E+00 | .2394E+00 | .8973E-01 | D1110C.BIS |
| 0.20 | 0.249 | 0.999 | .4733E+00 | -.1632E+00 | -.6301E+00 | .2910E+00 | .3061E+00 | .1227E+00 | -.2477E-01 | .1458E-01 | -.9067E-01 | D1111C.BIS |
| 2.00 | 0.491 | 1.160 | .2180E+00 | -.4769E+00 | -.7064E+00 | .1200E+01 | .7099E+00 | .8081E+00 | .1242E+00 | .1702E+00 | .4630E-01 | D1111C.BIS |
| 3.00 | 0.625 | 1.250 | .1239E+00 | -.5117E+00 | -.5985E+00 | .6260E+00 | .3770E+00 | .3478E+00 | -.3246E-02 | .3617E-01 | -.3611E-01 | D1111C.BIS |
| 4.00 | 0.760 | 1.339 | .9472E-01 | -.4463E+00 | -.5713E+00 | .4740E+00 | .2712E+00 | .2354E+00 | .5982E-02 | .2918E-01 | -.3599E-01 | D1111C.BIS |
| 5.00 | 0.892 | 1.428 | .9305E-01 | -.4592E+00 | -.5328E+00 | .4570E+00 | .2485E+00 | .2105E+00 | .7929E-02 | .3091E-01 | -.3644E-01 | D1111C.BIS |
| 6.00 | 1.026 | 1.518 | .8469E-01 | -.4893E+00 | -.4886E+00 | .4930E+00 | .2030E+00 | .1714E+00 | -.3055E-01 | .2950E-01 | -.2962E-01 | D1111C.BIS |
| 7.00 | 1.161 | 1.607 | .7275E-01 | -.4538E+00 | -.4815E+00 | .4900E+00 | .2242E+00 | .1815E+00 | -.2266E-01 | .1291E-01 | -.3610E-01 | D1111C.BIS |
| 8.00 | 1.294 | 1.696 | .1261E-01 | -.4525E+00 | -.4885E+00 | .5150E+00 | .2382E+00 | .1804E+00 | -.1082E-01 | .1256E-01 | -.4503E-01 | D1111C.BIS |
| 9.00 | 1.428 | 1.786 | -.2560E-01 | -.4849E+00 | -.4864E+00 | .5030E+00 | .2500E+00 | .1888E+00 | -.1529E-01 | .1894E-01 | -.4789E-01 | D1111C.BIS |
| 10.00 | 1.563 | 1.875 | -.1232E-01 | -.4365E+00 | -.5118E+00 | .5270E+00 | .2346E+00 | .1927E+00 | -.6666E-02 | .1812E-01 | -.3680E-01 | D1111C.BIS |
| 11.00 | 1.696 | 1.964 | -.3600E-01 | -.4263E+00 | -.4585E+00 | .5470E+00 | .2253E+00 | .1922E+00 | -.1172E-01 | .2739E-01 | -.3169E-01 | D1111C.BIS |
| 12.00 | 1.829 | 2.054 | -.2068E-01 | -.3918E+00 | -.5251E+00 | .5590E+00 | .2634E+00 | .2165E+00 | .5442E-03 | .3143E-01 | -.4220E-01 | D1111C.BIS |
| 13.00 | 1.965 | 2.142 | .1080E-01 | -.4101E+00 | -.4249E+00 | .6120E+00 | .2835E+00 | .2801E+00 | .1182E-01 | .4319E-01 | -.1517E-01 | D1111C.BIS |
| 14.00 | 2.097 | 2.232 | -.4686E-01 | -.4420E+00 | -.4083E+00 | .5380E+00 | .2693E+00 | .2231E+00 | -.6541E-02 | .2416E-01 | -.4148E-01 | D1111C.BIS |
| 15.00 | 2.231 | 2.321 | .5949E-01 | -.4323E+00 | -.3220E+00 | .5810E+00 | .3362E+00 | .3261E+00 | -.6240E-02 | .7815E-01 | -.2420E-01 | D1111C.BIS |
| 16.00 | 2.366 | 2.410 | -.2289E-02 | -.4051E+00 | -.3610E+00 | .5490E+00 | .2948E+00 | .3042E+00 | -.4354E-02 | .6206E-01 | -.6287E-02 | D1111C.BIS |
| 17.00 | 2.499 | 2.500 | .7838E-01 | -.4030E+00 | -.2648E+00 | .7040E+00 | .3477E+00 | .3705E+00 | -.1040E-01 | .6724E-01 | .3437E-02 | D1111C.BIS |
| 18.00 | 2.633 | 2.589 | .3368E-01 | -.3922E+00 | -.2645E+00 | .6520E+00 | .3577E+00 | .3638E+00 | .1805E-02 | .7381E-01 | -.1217E-01 | D1111C.BIS |
| 19.00 | 2.768 | 2.678 | .1120E+00 | -.3965E+00 | -.2160E+00 | .7090E+00 | .3705E+00 | .3987E+00 | .9661E-02 | .1082E+00 | .3111E-02 | D1111C.BIS |

TABLE 5

1x2 Ratio Nozzle Mach# = 0.9 WFv Data

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 1.00 | -0.476 | 0.001 | .2386E+03 | -.5021E+01 | .4009E+01 | .1760E+04 | .1626E+04 | .7740E+03 | -.5313E+03 | -.2540E+02 | .3561E+02 | D02065.BIS |
| 1.00 | -0.357 | 0.000 | .3214E+03 | -.9400E+00 | .2571E+01 | .1790E+02 | .2259E+02 | .1080E+02 | -.2356E+01 | -.6693E+00 | -.5044E+01 | D03065.BIS |
| 5.00 | -0.643 | -0.001 | .1521E+03 | -.1273E+02 | .7941E+01 | .2060E+04 | .3225E+04 | .5800E+03 | -.4349E+03 | -.7082E+01 | .2874E+03 | D03065.BIS |
| 9.00 | -0.929 | -0.002 | .1019E+03 | -.7339E+01 | .4811E+01 | .1740E+04 | .1689E+04 | .3410E+03 | -.4669E+03 | -.1963E+02 | .1322E+03 | D03065.BIS |
| 13.00 | -1.214 | 0.000 | .8648E+02 | -.9743E+01 | .5340E+01 | .1090E+04 | .1100E+04 | .2740E+03 | -.3550E+03 | -.1839E+02 | .9991E+02 | D03065.BIS |
| 17.00 | -1.500 | -0.001 | .8548E+02 | -.9743E+01 | .5340E+01 | .1090E+04 | .1100E+04 | .2740E+03 | -.3410E+03 | .3508E+02 | .4947E+02 | D03065.BIS |
| 1.00 | -0.238 | 0.000 | .3217E+03 | -.8459E+00 | .3432E+00 | .5330E+01 | .1256E+02 | .3950E+01 | -.2083E+01 | -.9059E+00 | -.3438E+01 | D04065.BIS |
| 5.00 | -0.429 | -0.001 | .2380E+03 | -.1239E+02 | .9023E+01 | .1800E+04 | .1342E+04 | .7731E+03 | -.3953E+03 | -.7928E+02 | .1445E+03 | D04065.BIS |
| 9.00 | -0.619 | -0.002 | .1698E+03 | -.1314E+02 | .7937E+01 | .2100E+04 | .3152E+04 | .6584E+03 | -.3671E+03 | -.8426E+02 | .3097E+03 | D04065.BIS |
| 13.00 | -0.810 | 0.000 | .1394E+03 | -.1194E+02 | .7094E+01 | .2110E+04 | .2335E+04 | .5167E+03 | -.5804E+03 | -.3918E+02 | .2135E+03 | D04065.BIS |
| 17.00 | -1.000 | -0.001 | .1221E+03 | -.1036E+02 | .6905E+01 | .1870E+04 | .1778E+04 | .4008E+03 | -.5336E+03 | -.9623E+01 | .1345E+03 | D04065.BIS |
| 0.20 | -0.099 | -0.200 | .3229E+03 | -.1475E+01 | -.1255E+01 | .4380E+01 | .1803E+02 | .3320E+01 | -.3172E+01 | -.5744E+00 | -.4203E+01 | D05055.BIS |
| 1.00 | -0.119 | -0.214 | .3229E+03 | -.1899E+01 | -.7672E+00 | .5350E+01 | .1584E+02 | .3380E+01 | -.2289E+01 | -.6441E+00 | -.4311E+01 | D05055.BIS |
| 2.00 | -0.143 | -0.232 | .3224E+03 | -.1092E+01 | .2759E+00 | .1150E+02 | .1858E+02 | .6210E+01 | -.3962E+01 | .1690E+00 | -.3723E+01 | D05055.BIS |
| 3.00 | -0.167 | -0.250 | .3218E+03 | -.1326E+01 | .1040E+01 | .3680E+02 | .3835E+02 | .1920E+02 | -.8043E+01 | .2371E+01 | -.1275E+01 | D05055.BIS |
| 4.00 | -0.190 | -0.268 | .3192E+03 | -.2432E+00 | .9609E+00 | .1290E+03 | .1333E+03 | .7301E+02 | -.5087E+02 | .4679E+01 | .3433E+01 | D05055.BIS |
| 5.00 | -0.214 | -0.286 | .3076E+03 | -.3080E+00 | .9882E+00 | .4969E+03 | .8871E+03 | .2320E+03 | -.1383E+03 | -.4240E+02 | .7896E+02 | D05055.BIS |
| 6.00 | -0.238 | -0.304 | .2879E+03 | -.2318E+01 | -.2684E+00 | .1090E+04 | .1509E+04 | .4099E+03 | -.2181E+03 | -.9000E+02 | .1068E+03 | D05055.BIS |
| 7.00 | -0.262 | -0.322 | .2672E+03 | -.7454E+00 | .3524E+00 | .1600E+04 | .1969E+04 | .5819E+03 | -.3822E+03 | -.1709E+03 | .1541E+03 | D05055.BIS |
| 8.00 | -0.286 | -0.339 | .2528E+03 | -.2839E+01 | .5784E+00 | .1820E+04 | .2030E+04 | .6399E+03 | -.4313E+03 | -.1818E+03 | .1459E+03 | D05055.BIS |
| 9.00 | -0.309 | -0.357 | .2374E+03 | -.3090E+01 | .1735E+00 | .2060E+04 | .2339E+04 | .6701E+03 | -.4790E+03 | -.1960E+03 | .1610E+03 | D05055.BIS |
| 10.00 | -0.333 | -0.375 | .2280E+03 | -.2201E+01 | .2087E+00 | .2120E+04 | .2511E+04 | .7000E+03 | -.5435E+03 | -.2134E+03 | .2086E+03 | D05055.BIS |
| 11.00 | -0.357 | -0.393 | .2006E+03 | .1761E+01 | .2686E+01 | .2150E+04 | .2644E+04 | .6911E+03 | -.4539E+03 | -.1862E+03 | .2200E+03 | D05055.BIS |
| 12.00 | -0.381 | -0.411 | .1935E+03 | .6389E+00 | .1127E+01 | .2050E+04 | .2406E+04 | .6487E+03 | -.4524E+03 | -.2120E+03 | .2274E+03 | D05055.BIS |
| 13.00 | -0.405 | -0.429 | .1865E+03 | .1421E+01 | .1728E+01 | .2110E+04 | .2356E+04 | .6398E+03 | -.4345E+03 | -.2172E+03 | .2076E+03 | D05055.BIS |
| 14.00 | -0.429 | -0.447 | .1813E+03 | -.7006E+00 | .8736E+00 | .1900E+04 | .2466E+04 | .6377E+03 | -.3605E+03 | -.1670E+03 | .2168E+03 | D05055.BIS |
| 15.00 | -0.453 | -0.464 | .1754E+03 | -.7164E+00 | .1409E+01 | .1850E+04 | .2255E+04 | .5521E+03 | -.3086E+03 | -.1548E+03 | .2031E+03 | D05055.BIS |
| 16.00 | -0.476 | -0.483 | .1695E+03 | -.1977E+01 | .2363E+01 | .1750E+04 | .2009E+04 | .5340E+03 | -.2976E+03 | -.1350E+03 | .1443E+03 | D05055.BIS |
| 17.00 | -0.500 | -0.500 | .1650E+03 | -.3346E+01 | .2834E+01 | .1590E+04 | .1982E+04 | .4891E+03 | -.3052E+03 | -.1131E+03 | .1519E+03 | D05055.BIS |
| 18.00 | -0.524 | -0.518 | .1597E+03 | -.3627E+01 | .2397E+01 | .1620E+04 | .1741E+04 | .4772E+03 | -.2939E+03 | -.9446E+02 | .1459E+03 | D05055.BIS |
| 19.00 | -0.548 | -0.536 | .1541E+03 | -.5277E+01 | .1819E+01 | .1550E+04 | .1528E+04 | .4279E+03 | -.2480E+03 | -.1200E+03 | .1038E+03 | D05055.BIS |
| 20.00 | -0.571 | -0.554 | .1501E+03 | -.4707E+01 | .2431E+01 | .1460E+04 | .1430E+04 | .4300E+03 | -.2509E+03 | -.1219E+03 | .7831E+02 | D05055.BIS |
| 0.20 | -0.101 | 0.000 | .3227E+03 | -.5389E+00 | -.6284E+00 | .5020E+01 | .1183E+02 | .4210E+01 | -.1560E+01 | -.1620E+01 | -.3542E+01 | D05065.BIS |
| 1.00 | -0.119 | 0.000 | .3229E+03 | -.4171E+00 | -.7056E-01 | .5610E+01 | .1211E+02 | .4340E+01 | -.1596E+01 | -.1810E+01 | -.3592E+01 | D05065.BIS |
| 2.00 | -0.143 | 0.000 | .3226E+03 | -.1208E+00 | -.1410E+00 | .1060E+02 | .1454E+02 | .6050E+01 | -.2152E+01 | -.1370E+01 | -.3600E+01 | D05065.BIS |
| 3.00 | -0.167 | 0.000 | .3226E+03 | .9759E-01 | .6772E-01 | .3150E+02 | .2965E+02 | .1500E+02 | -.5060E+01 | -.1690E+01 | -.2805E+01 | D05065.BIS |
| 4.00 | -0.191 | -0.001 | .3208E+03 | .5509E-01 | .1037E+01 | .8260E+02 | .8358E+02 | .4700E+02 | -.2867E+02 | .7008E+00 | .2068E+01 | D05065.BIS |
| 5.00 | -0.214 | -0.001 | .3147E+03 | -.1656E+01 | .2547E+01 | .2700E+03 | .2247E+03 | .1470E+03 | -.9290E+02 | -.2511E+02 | .1959E+02 | D05065.BIS |
| 6.00 | -0.238 | -0.001 | .3010E+03 | -.5503E+01 | .4029E+01 | .6920E+03 | .1140E+04 | .3200E+03 | -.8319E+02 | -.5952E+02 | .1390E+03 | D05065.BIS |
| 7.00 | -0.262 | -0.001 | .2830E+03 | -.6946E+01 | .6540E+01 | .1230E+04 | .1581E+04 | .4871E+03 | -.2160E+03 | -.9207E+02 | .1442E+03 | D05065.BIS |
| 8.00 | -0.286 | -0.001 | .2644E+03 | -.7028E+01 | .6263E+01 | .1690E+04 | .1987E+04 | .5799E+03 | -.3201E+03 | -.1419E+03 | .1951E+03 | D05065.BIS |
| 9.00 | -0.309 | -0.002 | .2489E+03 | -.6783E+01 | .7042E+01 | .1870E+04 | .2286E+04 | .6771E+03 | -.3915E+03 | -.1642E+03 | .2065E+03 | D05065.BIS |
| 10.00 | -0.333 | -0.002 | .2115E+03 | .2403E+01 | .5234E+01 | .1910E+04 | .2530E+04 | .6723E+03 | -.4327E+03 | -.2521E+03 | .2554E+03 | D05065.BIS |
| 11.00 | -0.357 | 0.000 | .2011E+03 | .2426E+01 | .5265E+01 | .1950E+04 | .2476E+04 | .6241E+03 | -.4175E+03 | -.2543E+03 | .2485E+03 | D05065.BIS |
| 12.00 | -0.381 | 0.000 | .1941E+03 | .1944E+01 | .5379E+01 | .1910E+04 | .2353E+04 | .6210E+03 | -.4058E+03 | -.2304E+03 | .2311E+03 | D05065.BIS |
| 13.00 | -0.405 | 0.000 | .1913E+03 | -.3949E+01 | .8991E+01 | .1860E+04 | .2395E+04 | .5991E+03 | -.4160E+03 | -.1710E+03 | .2309E+03 | D05065.BIS |
| 14.00 | -0.429 | -0.001 | .1814E+03 | -.3956E+01 | .9163E+01 | .1830E+04 | .2071E+04 | .5553E+03 | -.4222E+03 | -.1529E+03 | .1975E+03 | D05065.BIS |
| 15.00 | -0.453 | -0.001 | .1764E+03 | -.5454E+01 | .9076E+01 | .1780E+04 | .2126E+04 | .5442E+03 | -.3928E+03 | -.1150E+03 | .1889E+03 | D05065.BIS |
| 17.00 | -0.500 | -0.001 | .1701E+03 | -.5713E+01 | .7520E+01 | .1750E+04 | .2104E+04 | .5113E+03 | -.2649E+03 | -.7650E+02 | .1621E+03 | D05065.BIS |
| 18.00 | -0.524 | -0.002 | .1660E+03 | -.6828E+01 | .7157E+01 | .1620E+04 | .1857E+04 | .4728E+03 | -.2441E+03 | -.2996E+02 | .1431E+03 | D05065.BIS |
| 20.00 | -0.571 | 0.000 | .1508E+03 | -.5281E+01 | .4454E+01 | .1660E+04 | .1499E+04 | .4138E+03 | -.3202E+03 | -.4956E+02 | .1111E+03 | D05065.BIS |
| 0.20 | -0.100 | 0.200 | .3224E+03 | -.3576E+01 | -.8387E+00 | .3870E+01 | .1383E+02 | .3190E+01 | -.2638E+01 | -.3112E+00 | -.3403E+01 | D05075.BIS |
| 1.00 | -0.119 | 0.214 | .3227E+03 | -.3669E+01 | -.4890E+00 | .4160E+01 | .1485E+02 | .3230E+01 | -.2573E+01 | -.3878E+00 | -.3772E+01 | D05075.BIS |
| 2.00 | -0.143 | 0.232 | .3224E+03 | -.3276E+01 | .6718E-01 | .9860E+01 | .1392E+02 | .5050E+01 | -.1983E+01 | -.3676E+00 | -.3261E+01 | D05075.BIS |
| 3.00 | -0.167 | 0.250 | .3218E+03 | -.2550E+01 | .4131E+00 | .2890E+02 | .3176E+02 | .1300E+02 | -.3434E+01 | -.5270E+00 | -.5730E+01 | D05075.BIS |
| 4.00 | -0.190 | 0.268 | .3204E+03 | -.1600E+01 | .8957E+00 | .6809E+02 | .8720E+02 | .3900E+02 | -.2066E+02 | .1416E+00 | -.1177E+02 | D05075.BIS |

TABLE 5
Continued

| X | Y | Z | U | V | W | uu | vv | ww | uv | uw | vw | File Name |
|-------|--------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 5.00 | -0.214 | 0.285 | .3145E+03 | -.1696E+01 | .1710E+01 | .2430E+03 | .2978E+03 | .1290E+03 | -.1244E+03 | -.5135E+01 | -.6352E+01 | D05075.BIS |
| 6.00 | -0.238 | 0.303 | .3009E+03 | -.2613E+01 | .2775E+01 | .6710E+03 | .1300E+04 | .2941E+03 | -.1751E+03 | -.1373E+02 | .8434E+02 | D05075.BIS |
| 7.00 | -0.262 | 0.321 | .2837E+03 | -.3150E+01 | .4175E+01 | .1170E+04 | .2023E+04 | .4570E+03 | -.2719E+03 | -.3541E+02 | .1670E+03 | D05075.BIS |
| 8.00 | -0.286 | 0.339 | .2677E+03 | -.4902E+01 | .5022E+01 | .1510E+04 | .2341E+04 | .5718E+03 | -.3001E+03 | -.5004E+02 | .2032E+03 | D05075.BIS |
| 9.00 | -0.309 | 0.357 | .2529E+03 | -.2478E+01 | .7057E+01 | .1780E+04 | .2584E+04 | .6551E+03 | -.3505E+03 | -.3840E+02 | .2326E+03 | D05075.BIS |
| 10.00 | -0.333 | 0.375 | .2419E+03 | -.3073E+01 | .8201E+01 | .1910E+04 | .2605E+04 | .6688E+03 | -.4243E+03 | -.2997E+02 | .2420E+03 | D05075.BIS |
| 11.00 | -0.357 | 0.393 | .2313E+03 | -.4115E+01 | .7048E+01 | .1980E+04 | .2894E+04 | .6950E+03 | -.3799E+03 | -.2330E+02 | .2071E+03 | D05075.BIS |
| 12.00 | -0.381 | 0.410 | .2210E+03 | -.2450E+01 | .9169E+01 | .2010E+04 | .2946E+04 | .6453E+03 | -.4202E+03 | .3602E+02 | .2030E+03 | D05075.BIS |
| 13.00 | -0.405 | 0.428 | .2112E+03 | -.1587E+01 | .8298E+01 | .1930E+04 | .2911E+04 | .6490E+03 | -.4017E+03 | -.2308E+01 | .2234E+03 | D05075.BIS |
| 14.00 | -0.429 | 0.446 | .1875E+03 | .1671E+00 | .6121E+01 | .1760E+04 | .2536E+04 | .5710E+03 | -.3693E+03 | -.1145E+01 | .2184E+03 | D05075.BIS |
| 15.00 | -0.453 | 0.464 | .1798E+03 | -.1573E+01 | .5675E+01 | .1800E+04 | .2250E+04 | .5559E+03 | -.2966E+03 | .6561E+01 | .1752E+03 | D05075.BIS |
| 16.00 | -0.476 | 0.482 | .1734E+03 | -.8188E+00 | .6417E+01 | .1730E+04 | .2076E+04 | .5164E+03 | -.3031E+03 | .1245E+02 | .1547E+03 | D05075.BIS |
| 17.00 | -0.500 | 0.500 | .1669E+03 | -.1990E+01 | .6045E+01 | .1670E+04 | .2041E+04 | .4752E+03 | -.2890E+03 | .2889E+02 | .1670E+03 | D05075.BIS |
| 18.00 | -0.524 | 0.517 | .1639E+03 | -.2680E+01 | .6243E+01 | .1590E+04 | .1882E+04 | .4559E+03 | -.1968E+03 | .3347E+02 | .1120E+03 | D05075.BIS |
| 19.00 | -0.548 | 0.535 | .1576E+03 | -.3105E+01 | .6220E+01 | .1540E+04 | .1664E+04 | .4290E+03 | -.3107E+03 | -.4982E+01 | .9635E+02 | D05075.BIS |
| 20.00 | -0.571 | 0.553 | .1508E+03 | -.4616E+01 | .5429E+01 | .1480E+04 | .1449E+04 | .4181E+03 | -.2820E+03 | .2110E+02 | .8562E+02 | D05075.BIS |
| 0.20 | -0.100 | 0.399 | .3224E+03 | -.3339E+01 | .2759E+00 | .4240E+01 | .9517E+01 | .3270E+01 | -.1524E+01 | -.5792E+00 | -.2680E+01 | D05085.BIS |
| 1.00 | -0.119 | 0.428 | .3225E+03 | -.3454E+01 | -.2809E+00 | .4400E+01 | .1357E+02 | .3240E+01 | -.2759E+01 | -.2734E+00 | -.3254E+01 | D05085.BIS |
| 2.00 | -0.143 | 0.464 | .3224E+03 | -.2456E+01 | .1366E+00 | .1200E+02 | .1738E+02 | .5890E+01 | -.2022E+01 | -.3613E-01 | -.4308E+01 | D05085.BIS |
| 3.00 | -0.167 | 0.500 | .3218E+03 | -.2871E+01 | .5524E+00 | .3810E+02 | .3803E+02 | .1980E+02 | -.4473E+01 | -.3059E+01 | -.6122E+01 | D05085.BIS |
| 4.00 | -0.190 | 0.535 | .3200E+03 | -.3176E+01 | .1451E+01 | .1070E+03 | .1296E+03 | .7070E+02 | -.3352E+02 | .1330E+00 | -.1221E+02 | D05085.BIS |
| 5.00 | -0.214 | 0.571 | .3115E+03 | -.5180E+01 | .2814E+01 | .3540E+03 | .7959E+03 | .1960E+03 | -.6343E+02 | .9283E+01 | .6123E+02 | D05085.BIS |
| 6.00 | -0.238 | 0.607 | .2958E+03 | -.5331E+01 | .6866E+01 | .8350E+03 | .7771E+03 | .3930E+03 | -.3049E+03 | .1993E+02 | .6832E+02 | D05085.BIS |
| 7.00 | -0.262 | 0.642 | .2762E+03 | -.6944E+01 | .7909E+01 | .1260E+04 | .2463E+04 | .5820E+03 | -.2650E+03 | .8162E+02 | .2660E+03 | D05085.BIS |
| 8.00 | -0.286 | 0.678 | .2574E+03 | -.6896E+01 | .9094E+01 | .1540E+04 | .3207E+04 | .6572E+03 | -.1900E+03 | .1371E+03 | .3311E+03 | D05085.BIS |
| 9.00 | -0.309 | 0.714 | .2399E+03 | -.6056E+01 | .1056E+02 | .1690E+04 | .3194E+04 | .6789E+03 | -.2091E+03 | .1898E+03 | .3370E+03 | D05085.BIS |
| 10.00 | -0.333 | 0.750 | .2231E+03 | -.5893E+01 | .9595E+01 | .1690E+04 | .3239E+04 | .6432E+03 | -.2179E+03 | .1942E+03 | .3040E+03 | D05085.BIS |
| 11.00 | -0.357 | 0.785 | .2132E+03 | -.5480E+01 | .1026E+02 | .1560E+04 | .3172E+04 | .6258E+03 | -.2494E+03 | .1729E+03 | .2834E+03 | D05085.BIS |
| 12.00 | -0.381 | 0.821 | .2040E+03 | -.5711E+01 | .1029E+02 | .1660E+04 | .3133E+04 | .5961E+03 | -.2269E+03 | .1841E+03 | .2621E+03 | D05085.BIS |
| 13.00 | -0.405 | 0.857 | .1966E+03 | -.6783E+01 | .1047E+02 | .1590E+04 | .2803E+04 | .5598E+03 | -.1485E+03 | .1728E+03 | .2296E+03 | D05085.BIS |
| 14.00 | -0.428 | 0.893 | .1874E+03 | -.4624E+01 | .1002E+02 | .1600E+04 | .2358E+04 | .5361E+03 | -.1985E+03 | .1821E+03 | .2084E+03 | D05085.BIS |
| 15.00 | -0.453 | 0.928 | .1676E+03 | -.5469E+01 | .7441E+01 | .1510E+04 | .2108E+04 | .5048E+03 | -.1998E+03 | .1057E+03 | .1661E+03 | D05085.BIS |
| 16.00 | -0.476 | 0.964 | .1602E+03 | -.4095E+01 | .7902E+01 | .1610E+04 | .2034E+04 | .4770E+03 | -.2241E+03 | .1130E+03 | .1590E+03 | D05085.BIS |
| 17.00 | -0.500 | 1.000 | .1572E+03 | -.5808E+01 | .7751E+01 | .1470E+04 | .1826E+04 | .4341E+03 | -.1957E+03 | .9544E+02 | .1181E+03 | D05085.BIS |
| 18.00 | -0.524 | 1.035 | .1488E+03 | -.5854E+01 | .8187E+01 | .1490E+04 | .1813E+04 | .4241E+03 | -.2314E+03 | .1111E+03 | .1129E+03 | D05085.BIS |
| 19.00 | -0.548 | 1.071 | .1415E+03 | -.5897E+01 | .7755E+01 | .1500E+04 | .1598E+04 | .3951E+03 | -.2293E+03 | .9930E+02 | .1070E+03 | D05085.BIS |
| 20.00 | -0.571 | 1.107 | .1379E+03 | -.5090E+01 | .8530E+01 | .1420E+04 | .1465E+04 | .3818E+03 | -.2172E+03 | .1418E+03 | .1098E+03 | D05085.BIS |
| 0.20 | -0.100 | 0.599 | .3224E+03 | -.3139E+01 | .5545E+00 | .4280E+01 | .2855E+02 | .3290E+01 | -.4280E+01 | -.4796E+00 | -.5889E+01 | D05095.BIS |
| 1.00 | -0.119 | 0.642 | .3226E+03 | -.2970E+01 | -.1686E-02 | .5780E+01 | .1850E+02 | .4010E+01 | -.3007E+01 | -.3332E+00 | -.4908E+01 | D05095.BIS |
| 2.00 | -0.143 | 0.696 | .3222E+03 | -.3061E+01 | .2754E+00 | .2710E+02 | .3720E+02 | .2000E+02 | -.4511E+01 | .4362E+00 | -.7603E+01 | D05095.BIS |
| 3.00 | -0.167 | 0.750 | .3204E+03 | -.4571E+01 | .1453E+01 | .1140E+03 | .2963E+03 | .1110E+03 | -.3336E+02 | .1798E+02 | .2676E+02 | D05095.BIS |
| 4.00 | -0.190 | 0.803 | .3057E+03 | -.7364E+01 | .5022E+01 | .5140E+03 | .5775E+03 | .3200E+03 | -.4676E+02 | .1160E+03 | .9438E+01 | D05095.BIS |
| 5.00 | -0.214 | 0.857 | .2718E+03 | -.7710E+01 | .9216E+01 | .1340E+04 | .1310E+04 | .5342E+03 | -.1508E+03 | .2602E+03 | .6059E+02 | D05095.BIS |
| 6.00 | -0.238 | 0.910 | .2396E+03 | -.5826E+01 | .1168E+02 | .1660E+04 | .3549E+04 | .6100E+03 | .6019E+02 | .3340E+03 | .3174E+03 | D05095.BIS |
| 7.00 | -0.262 | 0.964 | .2145E+03 | -.5216E+01 | .1235E+02 | .1740E+04 | .3714E+04 | .6400E+03 | .6430E+02 | .3660E+03 | .3022E+03 | D05095.BIS |
| 8.00 | -0.286 | 1.018 | .1985E+03 | -.2833E+01 | .1250E+02 | .1700E+04 | .3499E+04 | .6210E+03 | .1834E+03 | .3710E+03 | .3312E+03 | D05095.BIS |
| 9.00 | -0.309 | 1.071 | .1849E+03 | -.4227E+01 | .1231E+02 | .1680E+04 | .3040E+04 | .5852E+03 | .9171E+02 | .3522E+03 | .2628E+03 | D05095.BIS |
| 10.00 | -0.333 | 1.125 | .1619E+03 | -.3737E+01 | .8744E+01 | .1620E+04 | .2738E+04 | .5298E+03 | .9806E+02 | .2649E+03 | .3016E+03 | D05095.BIS |
| 11.00 | -0.357 | 1.178 | .1574E+03 | -.4404E+01 | .9703E+01 | .1640E+04 | .2655E+04 | .5181E+03 | .3723E+02 | .2382E+03 | .2227E+03 | D05095.BIS |
| 12.00 | -0.381 | 1.232 | .1499E+03 | -.5116E+01 | .8637E+01 | .1650E+04 | .2461E+04 | .4932E+03 | .8247E+02 | .2673E+03 | .2260E+03 | D05095.BIS |
| 13.00 | -0.405 | 1.285 | .1428E+03 | -.5581E+01 | .8688E+01 | .1610E+04 | .2358E+04 | .4591E+03 | .1318E+02 | .2302E+03 | .1981E+03 | D05095.BIS |
| 14.00 | -0.429 | 1.339 | .1364E+03 | -.5662E+01 | .8441E+01 | .1640E+04 | .2190E+04 | .4392E+03 | .3575E+01 | .2492E+03 | .1895E+03 | D05095.BIS |
| 15.00 | -0.453 | 1.393 | .1341E+03 | -.5846E+01 | .8691E+01 | .1540E+04 | .2122E+04 | .4412E+03 | .9782E+01 | .2102E+03 | .1711E+03 | D05095.BIS |
| 16.00 | -0.476 | 1.446 | .1295E+03 | -.5677E+01 | .8890E+01 | .1500E+04 | .1862E+04 | .3841E+03 | -.7197E+02 | .1931E+03 | .1452E+03 | D05095.BIS |
| 17.00 | -0.500 | 1.500 | .1243E+03 | -.7094E+01 | .9567E+01 | .1520E+04 | .1727E+04 | .3759E+03 | -.8824E+02 | .2178E+03 | .1066E+03 | D05095.BIS |
| 18.00 | -0.524 | 1.553 | .1202E+03 | -.7035E+01 | .9127E+01 | .1350E+04 | .1648E+04 | .3428E+03 | -.7534E+02 | .1868E+03 | .1052E+03 | D05095.BIS |

TABLE 5
Continued

| X | Y | Z | U | V | W | uu | vv | ww | uv | uw | vw | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 19.00 | -0.548 | 1.607 | .1182E+03 | -.8102E+01 | .8577E+01 | .1290E+04 | .1431E+04 | .3670E+03 | -.7375E+02 | .2000E+03 | .9105E+02 | D05095.BIS |
| 20.00 | -0.571 | 1.660 | .1149E+03 | -.7864E+01 | .8258E+01 | .1300E+04 | .1359E+04 | .3591E+03 | .1689E+02 | .1982E+03 | .1206E+03 | D05095.BIS |
| 0.20 | -0.100 | 0.799 | .3226E+03 | -.3236E+01 | .9036E+00 | .3990E+01 | .1059E+02 | .3330E+01 | -.1573E+01 | -.3628E+00 | -.3101E+01 | D05105.BIS |
| 1.00 | -0.119 | 0.857 | .3220E+03 | -.3168E+01 | .6229E+00 | .2370E+02 | .3199E+02 | .1900E+02 | .2982E+01 | .2608E+01 | -.7736E+01 | D05105.BIS |
| 2.00 | -0.143 | 0.928 | .2994E+03 | -.3311E+01 | .3117E+01 | .6180E+03 | .8251E+03 | .3280E+03 | -.1222E+03 | .1690E+03 | -.6099E+02 | D05105.BIS |
| 3.00 | -0.167 | 1.000 | .2284E+03 | -.2349E+01 | .1136E+02 | .1630E+04 | .1766E+04 | .5853E+03 | -.1828E+03 | .3782E+03 | -.3875E+02 | D05105.BIS |
| 4.00 | -0.190 | 1.071 | .1741E+03 | -.1168E+01 | .7674E+01 | .1760E+04 | .1631E+04 | .5691E+03 | .8400E+02 | .3611E+03 | .2870E+02 | D05105.BIS |
| 5.00 | -0.214 | 1.143 | .1496E+03 | -.6733E+00 | .8789E+01 | .1890E+04 | .3622E+04 | .4898E+03 | .5235E+03 | .3458E+03 | .3023E+03 | D05105.BIS |
| 6.00 | -0.238 | 1.214 | .1341E+03 | -.1069E+01 | .8781E+01 | .1900E+04 | .2903E+04 | .4530E+03 | .4985E+03 | .3450E+03 | .2673E+03 | D05105.BIS |
| 7.00 | -0.262 | 1.285 | .1226E+03 | -.1043E+01 | .8426E+01 | .1720E+04 | .2329E+04 | .3901E+03 | .3504E+03 | .2901E+03 | .2043E+03 | D05105.BIS |
| 8.00 | -0.286 | 1.357 | .1172E+03 | -.4546E+00 | .7890E+01 | .1650E+04 | .2119E+04 | .3801E+03 | .3480E+03 | .2960E+03 | .2412E+03 | D05105.BIS |
| 9.00 | -0.309 | 1.428 | .1091E+03 | -.2185E+01 | .6997E+01 | .1610E+04 | .2036E+04 | .3492E+03 | .3084E+03 | .2902E+03 | .1683E+03 | D05105.BIS |
| 0.20 | -0.100 | 1.000 | .3212E+03 | -.1314E+01 | -.9822E+00 | .3500E+02 | .1117E+03 | .3560E+02 | -.2191E+02 | -.4354E+01 | -.2931E+02 | D05115.BIS |
| 1.00 | -0.119 | 1.071 | .1363E+03 | -.1298E-01 | .1411E+02 | .1930E+04 | .1782E+04 | .5878E+03 | .3735E+03 | .5348E+03 | .1464E+03 | D05115.BIS |
| 1.00 | 0.001 | -0.857 | .3173E+03 | .2364E+01 | .5361E+00 | .1450E+03 | .1388E+03 | .2610E+03 | -.2533E+02 | -.3539E+02 | .3309E+02 | D06025.BIS |
| 5.00 | 0.001 | -1.144 | .1657E+03 | .4841E+00 | .2279E+01 | .1940E+04 | .1046E+04 | .6348E+03 | -.1973E+03 | -.4749E+03 | -.9747E+01 | D06025.BIS |
| 9.00 | 0.001 | -1.429 | .1313E+03 | -.5465E+01 | .2139E+01 | .1890E+04 | .2000E+04 | .4451E+03 | .1161E+03 | -.3441E+03 | .1419E+03 | D06025.BIS |
| 13.00 | 0.001 | -1.715 | .1126E+03 | -.7939E+01 | .2252E+01 | .1680E+04 | .1479E+04 | .3602E+03 | .7605E+02 | -.2411E+03 | .1080E+03 | D06025.BIS |
| 17.00 | 0.001 | -2.001 | .9910E+02 | -.8417E+01 | .2690E+01 | .1330E+04 | .1190E+04 | .2860E+03 | .2433E+02 | -.1910E+03 | .1058E+03 | D06025.BIS |
| 1.00 | 0.001 | -0.643 | .3214E+03 | -.3349E+01 | -.3629E+01 | .8210E+01 | .2153E+02 | .8210E+01 | -.5120E+01 | -.1660E+01 | -.5100E+01 | D06035.BIS |
| 5.00 | 0.001 | -0.858 | .2567E+03 | .2068E+01 | -.5219E+00 | .1960E+04 | .9238E+03 | .6819E+03 | -.1918E+03 | -.5169E+03 | .6113E+02 | D06035.BIS |
| 9.00 | 0.001 | -1.073 | .1966E+03 | .2565E+01 | -.1369E+01 | .1820E+04 | .9019E+03 | .6769E+03 | -.4154E+02 | -.4739E+03 | -.2929E+02 | D06035.BIS |
| 13.00 | 0.001 | -1.286 | .1692E+03 | -.2152E+01 | -.1888E+01 | .1730E+04 | .8946E+03 | .5658E+03 | -.6888E+01 | -.3528E+03 | -.1079E+02 | D06035.BIS |
| 17.00 | 0.001 | -1.501 | .1407E+03 | -.5169E+01 | -.7103E+00 | .1630E+04 | .1721E+04 | .4220E+03 | .1130E+03 | -.2630E+03 | .1150E+03 | D06035.BIS |
| 1.00 | 0.002 | -0.429 | .3228E+03 | -.1956E+01 | -.2509E+01 | .6450E+01 | .9324E+01 | .4790E+01 | -.5687E+00 | -.1820E+01 | -.3199E+01 | D06045.BIS |
| 5.00 | 0.001 | -0.572 | .3215E+03 | -.2303E+01 | -.3350E+01 | .1280E+03 | .2762E+03 | .1240E+03 | .9227E+01 | -.4037E+01 | .8114E+01 | D06045.BIS |
| 9.00 | 0.001 | -0.715 | .2648E+03 | -.5798E+01 | .1110E+01 | .1670E+04 | .9027E+03 | .7228E+03 | -.1145E+03 | -.4148E+03 | -.3861E+01 | D06045.BIS |
| 13.00 | 0.001 | -0.858 | .2064E+03 | -.9136E+01 | .2476E+01 | .1590E+04 | .8728E+03 | .6249E+03 | .6602E+02 | -.2899E+03 | -.1342E+02 | D06045.BIS |
| 17.00 | 0.002 | -1.001 | .1713E+03 | -.9469E+01 | .5086E+01 | .1390E+04 | .1720E+04 | .4770E+03 | .1648E+03 | -.2071E+03 | .1450E+03 | D06045.BIS |
| 0.20 | -0.001 | -0.200 | .3230E+03 | -.1412E+01 | -.1463E+01 | .4300E+01 | .1325E+02 | .3260E+01 | -.2477E+01 | -.4759E+00 | -.3322E+01 | D06055.BIS |
| 1.00 | -0.001 | -0.214 | .3228E+03 | -.1519E+01 | -.1116E+01 | .4830E+01 | .2175E+02 | .3190E+01 | -.3259E+01 | -.6398E+00 | -.5095E+01 | D06055.BIS |
| 2.00 | -0.001 | -0.232 | .3230E+03 | -.1054E+01 | -.7666E+00 | .7990E+01 | .1476E+02 | .4660E+01 | -.2263E+01 | -.3455E+00 | -.3909E+01 | D06055.BIS |
| 3.00 | -0.001 | -0.250 | .3226E+03 | -.8011E+00 | -.6983E+00 | .1820E+02 | .2190E+02 | .9162E+01 | -.3555E+01 | .5784E+00 | -.3321E+01 | D06055.BIS |
| 4.00 | -0.001 | -0.258 | .3223E+03 | -.1867E+00 | -.9086E+00 | .3800E+02 | .4085E+02 | .1800E+02 | -.6453E+01 | .2950E+01 | -.3242E+01 | D06055.BIS |
| 5.00 | -0.001 | -0.286 | .3221E+03 | .4530E+00 | -.1188E+01 | .6900E+02 | .7817E+02 | .3910E+02 | -.2140E+02 | .6148E+01 | -.1611E+01 | D06055.BIS |
| 6.00 | -0.001 | -0.304 | .3210E+03 | .2677E+00 | -.1610E+01 | .1330E+03 | .1529E+03 | .8089E+02 | -.4304E+02 | .4943E+01 | -.7265E+01 | D06055.BIS |
| 7.00 | -0.001 | -0.322 | .3162E+03 | -.2992E+00 | -.2951E+01 | .3110E+03 | .6499E+03 | .1630E+03 | -.4314E+02 | -.3009E+01 | .2696E+02 | D06055.BIS |
| 8.00 | -0.001 | -0.340 | .3072E+03 | .1999E+00 | -.3472E+01 | .6290E+03 | .1110E+04 | .2750E+03 | -.8455E+02 | -.2441E+02 | .7862E+02 | D06055.BIS |
| 9.00 | -0.001 | -0.357 | .2958E+03 | .8025E+00 | -.3583E+01 | .1010E+04 | .1500E+04 | .3870E+03 | -.1069E+03 | -.7010E+02 | .8565E+02 | D06055.BIS |
| 10.00 | -0.001 | -0.375 | .2804E+03 | .9732E+00 | -.3500E+01 | .1440E+04 | .2033E+04 | .5000E+03 | -.7024E+02 | -.1099E+03 | .1471E+03 | D06055.BIS |
| 11.00 | -0.001 | -0.393 | .2663E+03 | .2434E+01 | -.2925E+01 | .1680E+04 | .2381E+04 | .6228E+03 | -.8687E+02 | -.1729E+03 | .2040E+03 | D06055.BIS |
| 12.00 | -0.001 | -0.411 | .2514E+03 | .5860E+00 | -.1656E+01 | .1820E+04 | .2546E+04 | .6391E+03 | -.4180E+02 | -.2231E+03 | .2340E+03 | D06055.BIS |
| 13.00 | -0.001 | -0.429 | .2381E+03 | .9057E+00 | -.1914E+01 | .1830E+04 | .1173E+04 | .6642E+03 | -.1454E+03 | -.2073E+03 | .3347E+02 | D06055.BIS |
| 14.00 | -0.001 | -0.447 | .2120E+03 | .6278E+00 | -.1174E+01 | .1610E+04 | .1023E+04 | .6202E+03 | -.9334E+02 | -.1992E+03 | .1718E+02 | D06055.BIS |
| 15.00 | -0.001 | -0.464 | .2029E+03 | .1379E+01 | .3258E+00 | .1580E+04 | .2210E+04 | .5731E+03 | .9940E+02 | -.2041E+03 | .1501E+03 | D06055.BIS |
| 16.00 | -0.001 | -0.483 | .1953E+03 | -.9633E+00 | .9945E+00 | .1440E+04 | .2100E+04 | .5402E+03 | .6557E+02 | -.1672E+03 | .1570E+03 | D06055.BIS |
| 17.00 | -0.001 | -0.500 | .1891E+03 | -.6860E+00 | .1459E+01 | .1440E+04 | .1939E+04 | .5170E+03 | .6507E+02 | -.1401E+03 | .1268E+03 | D06055.BIS |
| 18.00 | -0.001 | -0.518 | .1814E+03 | -.1968E+01 | .2337E+01 | .1400E+04 | .1810E+04 | .4830E+03 | .6155E+02 | -.1411E+03 | .1449E+03 | D06055.BIS |
| 19.00 | -0.001 | -0.536 | .1766E+03 | -.2819E+01 | .1971E+01 | .1310E+04 | .1631E+04 | .4659E+03 | .1150E+03 | -.1279E+03 | .9880E+02 | D06055.BIS |
| 20.00 | -0.001 | -0.554 | .1714E+03 | -.3180E+01 | .2788E+01 | .1260E+04 | .1530E+04 | .4340E+03 | .9575E+02 | -.1070E+03 | .8779E+02 | D06055.BIS |
| 0.20 | 0.000 | -0.001 | .3226E+03 | .1905E+01 | -.3503E+00 | .4490E+01 | .5344E+01 | .3220E+01 | .5852E+00 | .5169E+00 | -.9436E+00 | D06065.BIS |
| 1.00 | 0.000 | -0.001 | .3229E+03 | .2414E+01 | -.1400E+00 | .4740E+01 | .5281E+01 | .3500E+01 | .7348E+00 | .5338E+00 | -.6426E+00 | D06065.BIS |
| 2.00 | 0.000 | -0.001 | .3224E+03 | .2600E+01 | .1366E+00 | .7330E+01 | .6731E+01 | .4300E+01 | .1213E+01 | .3783E+00 | -.5215E+00 | D06065.BIS |
| 3.00 | 0.000 | -0.001 | .3223E+03 | .3059E+01 | .4846E+00 | .1580E+02 | .1307E+02 | .7659E+01 | .1046E+00 | .6051E+00 | .1799E+00 | D06065.BIS |
| 4.00 | 0.000 | -0.001 | .3220E+03 | .3814E+01 | .7622E+00 | .3400E+02 | .2830E+02 | .1490E+02 | -.4534E+00 | .1321E+01 | -.1686E+00 | D06065.BIS |
| 5.00 | 0.000 | -0.002 | .3224E+03 | .5107E+01 | .1182E+01 | .5690E+02 | .4778E+02 | .2769E+02 | -.3746E+01 | .1343E+01 | .6744E+00 | D06065.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 6.00 | 0.000 | -0.002 | .3214E+03 | .4962E+01 | .1596E+01 | .8850E+02 | .8278E+02 | .5101E+02 | -.2078E+02 | -.2589E+01 | -.5558E+00 | D06065.BIS |
| 7.00 | 0.000 | 0.000 | .3189E+03 | .3037E+01 | .2214E+01 | .1700E+03 | .1613E+03 | .9982E+02 | -.3505E+02 | -.1100E+02 | -.9296E+01 | D06065.BIS |
| 8.00 | 0.000 | 0.000 | .3133E+03 | .1741E+01 | .3308E+01 | .3210E+03 | .2850E+03 | .1780E+03 | -.6456E+02 | -.2129E+02 | -.7108E+01 | D06065.BIS |
| 9.00 | 0.000 | 0.000 | .3049E+03 | -.5211E+00 | .4601E+01 | .6049E+03 | .4378E+03 | .2530E+03 | -.3474E+02 | -.4418E+02 | -.4199E+01 | D06065.BIS |
| 10.00 | 0.000 | -0.001 | .2898E+03 | .3333E+00 | .6217E+01 | .1320E+04 | .1770E+04 | .4320E+03 | .3726E+02 | -.9259E+02 | .1580E+03 | D06065.BIS |
| 11.00 | 0.000 | -0.001 | .2773E+03 | -.2398E+01 | .5893E+01 | .1630E+04 | .2222E+04 | .5321E+03 | .1710E+03 | -.8562E+02 | .2070E+03 | D06065.BIS |
| 12.00 | 0.000 | -0.001 | .2610E+03 | -.3640E+01 | .7853E+01 | .1890E+04 | .2706E+04 | .5991E+03 | .2399E+03 | -.8031E+02 | .2189E+03 | D06065.BIS |
| 13.00 | 0.000 | -0.001 | .2488E+03 | -.2788E+01 | .5858E+01 | .1940E+04 | .2558E+04 | .5899E+03 | .1681E+03 | -.4257E+02 | .2600E+03 | D06065.BIS |
| 14.00 | 0.000 | -0.002 | .2350E+03 | -.3427E+01 | .6922E+01 | .1910E+04 | .2778E+04 | .5994E+03 | .1701E+03 | -.4022E+02 | .2618E+03 | D06065.BIS |
| 15.00 | 0.000 | -0.002 | .2240E+03 | -.4581E+01 | .7091E+01 | .1780E+04 | .2462E+04 | .5669E+03 | .1887E+03 | -.5758E+02 | .2298E+03 | D06065.BIS |
| 16.00 | 0.000 | 0.000 | .2136E+03 | -.4639E+01 | .7401E+01 | .1680E+04 | .2430E+04 | .5314E+03 | .1878E+03 | -.4131E+02 | .1956E+03 | D06065.BIS |
| 17.00 | 0.000 | 0.000 | .2057E+03 | -.4380E+01 | .7790E+01 | .1590E+04 | .2163E+04 | .5202E+03 | .1860E+03 | -.4710E+02 | .1711E+03 | D06065.BIS |
| 18.00 | 0.000 | 0.000 | .1882E+03 | -.3852E+01 | .6472E+01 | .1380E+04 | .2051E+04 | .4700E+03 | .1580E+03 | -.5939E+02 | .1721E+03 | D06065.BIS |
| 19.00 | 0.000 | -0.001 | .1818E+03 | -.3615E+01 | .6100E+01 | .1280E+04 | .1930E+04 | .4570E+03 | .1580E+03 | -.2720E+02 | .1770E+03 | D06065.BIS |
| 20.00 | 0.000 | -0.001 | .1781E+03 | -.5186E+01 | .6365E+01 | .1250E+04 | .1720E+04 | .4310E+03 | .1851E+03 | -.1301E+02 | .1510E+03 | D06065.BIS |
| 0.20 | -0.001 | 0.199 | .3231E+03 | -.1534E+01 | -.6950E-01 | .4650E+01 | .1414E+02 | .3670E+01 | -.2360E+01 | -.9322E+00 | -.3701E+01 | D06075.BIS |
| 1.00 | -0.001 | 0.214 | .3229E+03 | -.1300E+01 | .6876E-01 | .5110E+01 | .1099E+02 | .3770E+01 | -.1593E+01 | -.1000E+01 | -.3188E+01 | D06075.BIS |
| 2.00 | -0.001 | 0.232 | .3229E+03 | -.1060E+01 | .2081E+00 | .7680E+01 | .1163E+02 | .4981E+01 | -.2220E+01 | -.1140E+01 | -.2744E+01 | D06075.BIS |
| 3.00 | -0.001 | 0.250 | .3231E+03 | -.2920E+00 | .4878E+00 | .1740E+02 | .1791E+02 | .7997E+01 | -.1264E+01 | -.2012E+01 | -.4104E+01 | D06075.BIS |
| 4.00 | -0.001 | 0.268 | .3232E+03 | -.6727E+00 | .8363E+00 | .3160E+02 | .2726E+02 | .1650E+02 | -.4210E+01 | -.3912E+01 | -.2805E+01 | D06075.BIS |
| 5.00 | -0.001 | 0.285 | .3231E+03 | -.7977E+00 | .1254E+01 | .5450E+02 | .4977E+02 | .3010E+02 | -.7665E+01 | -.6724E+01 | -.6168E+01 | D06075.BIS |
| 6.00 | -0.001 | 0.303 | .3220E+03 | -.3245E+00 | .2434E+01 | .8730E+02 | .8784E+02 | .5490E+02 | -.1300E+02 | -.4133E+01 | -.9067E+01 | D06075.BIS |
| 7.00 | -0.001 | 0.321 | .3211E+03 | -.1477E+00 | .3685E+01 | .1510E+03 | .1608E+03 | .1020E+03 | -.4586E+02 | -.6123E+01 | -.7129E+01 | D06075.BIS |
| 8.00 | -0.001 | 0.339 | .3169E+03 | -.1292E+01 | .5341E+01 | .3060E+03 | .2867E+03 | .1850E+03 | -.5890E+02 | -.1962E+02 | -.1504E+02 | D06075.BIS |
| 9.00 | -0.001 | 0.357 | .3087E+03 | -.1266E+01 | .7471E+01 | .6299E+03 | .1170E+04 | .3030E+03 | .1665E+02 | -.1471E+02 | .9103E+02 | D06075.BIS |
| 10.00 | -0.001 | 0.375 | .2977E+03 | -.2867E+01 | .9172E+01 | .9391E+03 | .7690E+03 | .4040E+03 | -.7517E+02 | .6964E+01 | .8255E+00 | D06075.BIS |
| 11.00 | -0.001 | 0.393 | .2837E+03 | -.3612E+01 | .1058E+02 | .1370E+04 | .2260E+04 | .5180E+03 | .9577E+02 | .4029E+02 | .1910E+03 | D06075.BIS |
| 12.00 | -0.001 | 0.410 | .2690E+03 | -.4614E+01 | .1185E+02 | .1600E+04 | .2609E+04 | .6179E+03 | .1611E+03 | .3261E+02 | .2279E+03 | D06075.BIS |
| 13.00 | -0.001 | 0.428 | .2544E+03 | -.4405E+01 | .1187E+02 | .1700E+04 | .2583E+04 | .6623E+03 | .9310E+02 | .5333E+02 | .1757E+03 | D06075.BIS |
| 14.00 | -0.001 | 0.446 | .2412E+03 | -.5793E+01 | .1266E+02 | .1730E+04 | .2827E+04 | .6460E+03 | .1673E+03 | .3249E+02 | .2125E+03 | D06075.BIS |
| 15.00 | -0.001 | 0.464 | .2139E+03 | -.3678E+01 | .9910E+01 | .1510E+04 | .2508E+04 | .6259E+03 | .1461E+03 | .3976E+02 | .2658E+03 | D06075.BIS |
| 16.00 | -0.001 | 0.482 | .2051E+03 | -.5223E+01 | .9668E+01 | .1540E+04 | .2305E+04 | .5850E+03 | .1763E+03 | .2151E+02 | .2193E+03 | D06075.BIS |
| 17.00 | -0.001 | 0.500 | .1973E+03 | -.4598E+01 | .9779E+01 | .1410E+04 | .2101E+04 | .5150E+03 | .1330E+03 | .3520E+02 | .1759E+03 | D06075.BIS |
| 18.00 | -0.001 | 0.517 | .1896E+03 | -.4310E+01 | .9124E+01 | .1360E+04 | .1860E+04 | .5040E+03 | .1428E+03 | .2165E+02 | .1692E+03 | D06075.BIS |
| 19.00 | -0.001 | 0.535 | .1842E+03 | -.3348E+01 | .8268E+01 | .1280E+04 | .1660E+04 | .4800E+03 | .1219E+03 | .2039E+02 | .1301E+03 | D06075.BIS |
| 20.00 | -0.001 | 0.553 | .1764E+03 | -.3322E+01 | .7543E+01 | .1250E+04 | .1590E+04 | .4431E+03 | .1180E+03 | .3572E+02 | .1162E+03 | D06075.BIS |
| 0.20 | -0.001 | 0.399 | .3225E+03 | -.2171E+01 | .1371E+00 | .4280E+01 | .1924E+02 | .3210E+01 | -.3244E+01 | -.5283E+00 | -.4434E+01 | D06085.BIS |
| 1.00 | -0.001 | 0.428 | .3229E+03 | -.1962E+01 | .4173E+00 | .4630E+01 | .1218E+02 | .3100E+01 | -.1787E+01 | -.3331E+00 | -.3443E+01 | D06085.BIS |
| 2.00 | -0.001 | 0.464 | .3228E+03 | -.2287E+01 | .5561E+00 | .8461E+01 | .1768E+02 | .4800E+01 | -.3400E+01 | -.6759E+00 | -.4301E+01 | D06085.BIS |
| 3.00 | -0.001 | 0.500 | .3227E+03 | -.1909E+01 | .1183E+01 | .2120E+02 | .2339E+02 | .1150E+02 | -.2327E+01 | -.1290E+01 | -.4608E+01 | D06085.BIS |
| 4.00 | -0.001 | 0.535 | .3224E+03 | -.2159E+01 | .2018E+01 | .4630E+02 | .4468E+02 | .3130E+02 | -.4374E+01 | -.2701E+01 | -.4464E+01 | D06085.BIS |
| 5.00 | -0.001 | 0.571 | .3221E+03 | -.1766E+01 | .2574E+01 | .8970E+02 | .2100E+03 | .7740E+02 | .1050E+02 | .3072E+01 | .6287E+01 | D06085.BIS |
| 6.00 | -0.001 | 0.607 | .3188E+03 | -.1726E+01 | .4094E+01 | .2050E+03 | .5192E+03 | .1710E+03 | .3615E+02 | .2949E+02 | .3266E+02 | D06085.BIS |
| 7.00 | -0.001 | 0.642 | .3096E+03 | -.1661E+01 | .6011E+01 | .5170E+03 | .1151E+04 | .3180E+03 | .3132E+02 | .1190E+03 | .7384E+02 | D06085.BIS |
| 8.00 | -0.001 | 0.678 | .2914E+03 | -.1197E+01 | .6780E+01 | .9991E+03 | .1913E+04 | .4870E+03 | .3923E+02 | .2230E+03 | .1289E+03 | D06085.BIS |
| 9.00 | -0.001 | 0.714 | .2726E+03 | -.7113E-01 | .9568E+01 | .1480E+04 | .2495E+04 | .5979E+03 | .1357E+03 | .2799E+03 | .1839E+03 | D06085.BIS |
| 10.00 | -0.001 | 0.750 | .2554E+03 | -.2066E+00 | .1104E+02 | .1680E+04 | .2997E+04 | .6431E+03 | .1740E+03 | .3222E+03 | .2680E+03 | D06085.BIS |
| 11.00 | -0.001 | 0.785 | .2391E+03 | -.2846E+00 | .1091E+02 | .1730E+04 | .3098E+04 | .6681E+03 | .1694E+03 | .3161E+03 | .2795E+03 | D06085.BIS |
| 12.00 | -0.001 | 0.821 | .2282E+03 | -.1599E+01 | .1129E+02 | .1660E+04 | .3144E+04 | .6752E+03 | .2052E+03 | .2871E+03 | .2293E+03 | D06085.BIS |
| 13.00 | -0.001 | 0.857 | .2185E+03 | -.3365E+01 | .1118E+02 | .1650E+04 | .3125E+04 | .6441E+03 | .1672E+03 | .2751E+03 | .2622E+03 | D06085.BIS |
| 14.00 | -0.001 | 0.893 | .2091E+03 | -.2749E+01 | .1156E+02 | .1580E+04 | .2762E+04 | .6228E+03 | .1761E+03 | .2519E+03 | .2252E+03 | D06085.BIS |
| 15.00 | -0.001 | 0.928 | .1883E+03 | -.2224E+01 | .7795E+01 | .1490E+04 | .2535E+04 | .5539E+03 | .2532E+03 | .1989E+03 | .2372E+03 | D06085.BIS |
| 16.00 | -0.001 | 0.964 | .1833E+03 | -.4838E+00 | .8544E+01 | .1350E+04 | .2391E+04 | .5613E+03 | .1420E+03 | .1812E+03 | .2279E+03 | D06085.BIS |
| 17.00 | -0.001 | 1.000 | .1778E+03 | -.9991E+00 | .9220E+01 | .1320E+04 | .2260E+04 | .4990E+03 | .1591E+03 | .1370E+03 | .1642E+03 | D06085.BIS |
| 18.00 | -0.001 | 1.035 | .1702E+03 | -.5460E-01 | .8356E+01 | .1380E+04 | .2198E+04 | .4721E+03 | .1962E+03 | .1701E+03 | .1974E+03 | D06085.BIS |
| 19.00 | -0.001 | 1.071 | .1639E+03 | -.1366E+01 | .9448E+01 | .1340E+04 | .1916E+04 | .4658E+03 | .1351E+03 | .1598E+03 | .1534E+03 | D06085.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 20.00 | -0.001 | 1.107 | .1569E+03 | -.1143E+01 | .9074E+01 | .1320E+04 | .1641E+04 | .4160E+03 | .7908E+02 | .1541E+03 | .1433E+03 | D06085.BIS |
| 0.20 | -0.001 | 0.600 | .3226E+03 | -.1850E+01 | .9736E+00 | .4110E+01 | .1759E+02 | .3260E+01 | -.2768E+01 | -.8118E+00 | -.4200E+01 | D06095.BIS |
| 1.00 | -0.001 | 0.642 | .3229E+03 | -.1503E+01 | .7654E+00 | .4910E+01 | .1190E+02 | .3550E+01 | -.1923E+01 | -.8229E+00 | -.3266E+01 | D06095.BIS |
| 2.00 | -0.001 | 0.696 | .3231E+03 | -.1537E+01 | .9057E+00 | .1820E+02 | .2677E+02 | .1470E+02 | -.3284E+01 | -.7726E+00 | -.6499E+01 | D06095.BIS |
| 3.00 | -0.001 | 0.750 | .3224E+03 | -.1835E+01 | .9031E+00 | .8558E+02 | .1717E+03 | .8278E+02 | .2203E+02 | .1678E+02 | .3621E+01 | D06095.BIS |
| 4.00 | -0.001 | 0.803 | .3109E+03 | -.2047E+01 | .3577E+01 | .4510E+03 | .1200E+04 | .2820E+03 | .9075E+02 | .1270E+03 | .8866E+02 | D06095.BIS |
| 5.00 | -0.001 | 0.857 | .2781E+03 | -.5341E+01 | .9309E+01 | .1320E+04 | .2456E+04 | .4701E+03 | .2435E+03 | .2821E+03 | .1832E+03 | D06095.BIS |
| 6.00 | -0.001 | 0.910 | .2465E+03 | -.7738E+01 | .1302E+02 | .1740E+04 | .3122E+04 | .5709E+03 | .3311E+03 | .3789E+03 | .3078E+03 | D06095.BIS |
| 7.00 | -0.001 | 0.964 | .2234E+03 | -.5947E+01 | .1559E+02 | .1890E+04 | .3428E+04 | .6050E+03 | .3704E+03 | .4300E+03 | .2971E+03 | D06095.BIS |
| 8.00 | -0.001 | 1.018 | .2038E+03 | -.5050E+01 | .1572E+02 | .1920E+04 | .3292E+04 | .6152E+03 | .3306E+03 | .4652E+03 | .3086E+03 | D06095.BIS |
| 9.00 | -0.001 | 1.071 | .1761E+03 | -.4580E+01 | .9910E+01 | .1760E+04 | .2940E+04 | .5322E+03 | .3774E+03 | .3442E+03 | .3033E+03 | D06095.BIS |
| 10.00 | -0.001 | 1.124 | .1704E+03 | -.5694E+01 | .1038E+02 | .1820E+04 | .2829E+04 | .5548E+03 | .3705E+03 | .3988E+03 | .2752E+03 | D06095.BIS |
| 11.00 | -0.001 | 1.178 | .1624E+03 | -.5675E+01 | .9651E+01 | .1850E+04 | .2886E+04 | .5308E+03 | .3188E+03 | .3758E+03 | .2839E+03 | D06095.BIS |
| 12.00 | -0.001 | 1.232 | .1577E+03 | -.4984E+01 | .1075E+02 | .1830E+04 | .2642E+04 | .5081E+03 | .3875E+03 | .3631E+03 | .2505E+03 | D06095.BIS |
| 13.00 | -0.001 | 1.285 | .1520E+03 | -.5077E+01 | .9641E+01 | .1810E+04 | .2318E+04 | .4829E+03 | .2493E+03 | .3209E+03 | .2025E+03 | D06095.BIS |
| 14.00 | -0.001 | 1.339 | .1459E+03 | -.5958E+01 | .1024E+02 | .1610E+04 | .2303E+04 | .4769E+03 | .2919E+03 | .3630E+03 | .2070E+03 | D06095.BIS |
| 15.00 | -0.001 | 1.393 | .1442E+03 | -.4998E+01 | .1066E+02 | .1750E+04 | .2222E+04 | .4598E+03 | .2567E+03 | .3288E+03 | .1948E+03 | D06095.BIS |
| 16.00 | -0.001 | 1.446 | .1408E+03 | -.4810E+01 | .1070E+02 | .1690E+04 | .1982E+04 | .4292E+03 | .2830E+03 | .3092E+03 | .1937E+03 | D06095.BIS |
| 17.00 | -0.001 | 1.500 | .1345E+03 | -.6173E+01 | .1004E+02 | .1660E+04 | .1797E+04 | .4039E+03 | .1859E+03 | .3039E+03 | .1548E+03 | D06095.BIS |
| 18.00 | -0.001 | 1.553 | .1298E+03 | -.6434E+01 | .1007E+02 | .1630E+04 | .1619E+04 | .3989E+03 | .1658E+03 | .2990E+03 | .1217E+03 | D06095.BIS |
| 19.00 | -0.001 | 1.607 | .1252E+03 | -.6005E+01 | .9376E+01 | .1580E+04 | .1501E+04 | .3660E+03 | .1544E+03 | .2890E+03 | .1241E+03 | D06095.BIS |
| 20.00 | -0.001 | 1.660 | .1208E+03 | -.5153E+01 | .9561E+01 | .1510E+04 | .1444E+04 | .3500E+03 | .1689E+03 | .2760E+03 | .1166E+03 | D06095.BIS |
| 0.20 | -0.001 | 0.799 | .3226E+03 | -.2596E+01 | .1600E+01 | .3980E+01 | .1512E+02 | .3360E+01 | -.3182E+01 | -.3699E+00 | -.3423E+01 | D06105.BIS |
| 1.00 | -0.001 | 0.857 | .3227E+03 | -.1791E+01 | .1740E+01 | .1270E+02 | .2186E+02 | .1110E+02 | -.1308E+01 | .8813E+00 | -.6173E+01 | D06105.BIS |
| 2.00 | -0.001 | 0.928 | .3098E+03 | -.4146E+01 | .5872E+01 | .4050E+03 | .5030E+03 | .2760E+03 | .3300E+02 | .1460E+03 | .1077E+02 | D06105.BIS |
| 3.00 | -0.001 | 1.000 | .2363E+03 | -.5764E+01 | .1313E+02 | .1740E+04 | .1736E+04 | .5861E+03 | -.3370E+02 | .4591E+03 | .6863E+02 | D06105.BIS |
| 4.00 | -0.001 | 1.071 | .1800E+03 | -.3272E+01 | .1218E+02 | .1920E+04 | .1848E+04 | .5942E+03 | .1498E+03 | .4951E+03 | .4948E+02 | D06105.BIS |
| 5.00 | -0.001 | 1.142 | .1600E+03 | -.2019E+01 | .1041E+02 | .2040E+04 | .3949E+04 | .5752E+03 | .5919E+03 | .4802E+03 | .4419E+03 | D06105.BIS |
| 6.00 | -0.001 | 1.214 | .1362E+03 | -.2791E+01 | .8211E+01 | .2080E+04 | .3207E+04 | .4651E+03 | .5829E+03 | .3981E+03 | .3330E+03 | D06105.BIS |
| 7.00 | -0.001 | 1.285 | .1166E+03 | -.3829E+01 | .6119E+01 | .1740E+04 | .2309E+04 | .3878E+03 | .4567E+03 | .2998E+03 | .2215E+03 | D06105.BIS |
| 8.00 | -0.001 | 1.357 | .1123E+03 | -.1731E+01 | .6180E+01 | .1720E+04 | .2288E+04 | .3651E+03 | .4733E+03 | .2831E+03 | .2081E+03 | D06105.BIS |
| 9.00 | -0.001 | 1.428 | .1082E+03 | -.3272E+01 | .6506E+01 | .1560E+04 | .2046E+04 | .3369E+03 | .3417E+03 | .2639E+03 | .1689E+03 | D06105.BIS |
| 10.00 | -0.001 | 1.500 | .1057E+03 | -.3574E+01 | .6469E+01 | .1490E+04 | .1940E+04 | .3439E+03 | .3784E+03 | .2549E+03 | .1976E+03 | D06105.BIS |
| 11.00 | -0.001 | 1.571 | .1051E+03 | -.2777E+01 | .7156E+01 | .1440E+04 | .1824E+04 | .3280E+03 | .3134E+03 | .2350E+03 | .1452E+03 | D06105.BIS |
| 12.00 | -0.001 | 1.642 | .1032E+03 | -.4320E+01 | .7477E+01 | .1350E+04 | .1727E+04 | .3178E+03 | .3093E+03 | .2328E+03 | .1452E+03 | D06105.BIS |
| 13.00 | -0.001 | 1.714 | .1009E+03 | -.3793E+01 | .7120E+01 | .1330E+04 | .1731E+04 | .3030E+03 | .3050E+03 | .2250E+03 | .1602E+03 | D06105.BIS |
| 14.00 | -0.001 | 1.785 | .9957E+02 | -.4453E+01 | .7638E+01 | .1330E+04 | .1610E+04 | .3089E+03 | .3040E+03 | .2410E+03 | .1518E+03 | D06105.BIS |
| 15.00 | -0.001 | 1.857 | .9851E+02 | -.3375E+01 | .7801E+01 | .1200E+04 | .1490E+04 | .3070E+03 | .2841E+03 | .2130E+03 | .1438E+03 | D06105.BIS |
| 16.00 | -0.001 | 1.928 | .9796E+02 | -.3240E+01 | .8064E+01 | .1220E+04 | .1470E+04 | .2920E+03 | .2991E+03 | .1980E+03 | .1170E+03 | D06105.BIS |
| 17.00 | -0.001 | 2.000 | .9513E+02 | -.3748E+01 | .7649E+01 | .1140E+04 | .1361E+04 | .2640E+03 | .2373E+03 | .1920E+03 | .1110E+03 | D06105.BIS |
| 18.00 | -0.001 | 2.071 | .9337E+02 | -.4712E+01 | .7726E+01 | .1110E+04 | .1240E+04 | .2560E+03 | .2120E+03 | .2120E+03 | .9989E+02 | D06105.BIS |
| 19.00 | -0.001 | 2.142 | .9294E+02 | -.4084E+01 | .7948E+01 | .1030E+04 | .1220E+04 | .2680E+03 | .2160E+03 | .1960E+03 | .9836E+02 | D06105.BIS |
| 20.00 | -0.001 | 2.214 | .8892E+02 | -.4906E+01 | .6679E+01 | .9370E+03 | .1080E+04 | .2470E+03 | .1711E+03 | .1730E+03 | .1020E+03 | D06105.BIS |
| 0.20 | 0.000 | 1.000 | .3204E+03 | -.2801E+01 | .1991E+00 | .6120E+02 | .1079E+03 | .5830E+02 | -.8495E+01 | .5198E+01 | -.2881E+02 | D06115.BIS |
| 1.00 | 0.000 | 1.071 | .1386E+03 | .1209E+01 | .1493E+02 | .2790E+04 | .5254E+04 | .5993E+03 | .7934E+03 | .7012E+03 | .6303E+03 | D06115.BIS |
| 0.20 | 0.100 | -0.200 | .3224E+03 | -.1585E+01 | -.1883E+01 | .4130E+01 | .1637E+02 | .3280E+01 | -.2239E+01 | -.6992E+00 | -.4367E+01 | D07055.BIS |
| 1.00 | 0.119 | -0.215 | .3226E+03 | -.1703E+01 | -.1465E+01 | .5040E+01 | .2296E+02 | .3980E+01 | -.3507E+01 | -.1270E+01 | -.5204E+01 | D07055.BIS |
| 2.00 | 0.143 | -0.232 | .3229E+03 | -.1235E+01 | -.1115E+01 | .9040E+01 | .2388E+02 | .4620E+01 | -.4069E+01 | -.4270E+00 | -.6025E+01 | D07055.BIS |
| 3.00 | 0.167 | -0.250 | .3225E+03 | -.2327E+01 | -.1256E+01 | .2540E+02 | .3590E+02 | .1060E+02 | -.5492E+01 | .6796E+00 | -.7659E+01 | D07055.BIS |
| 4.00 | 0.190 | -0.268 | .3221E+03 | -.2877E+01 | -.1327E+01 | .5829E+02 | .6332E+02 | .2980E+02 | -.2078E+01 | .2961E+01 | -.1014E+02 | D07055.BIS |
| 5.00 | 0.214 | -0.286 | .3192E+03 | -.2281E+01 | -.1686E+01 | .1520E+03 | .1419E+03 | .9118E+02 | .4034E+02 | .3675E+01 | -.2166E+02 | D07055.BIS |
| 6.00 | 0.238 | -0.304 | .3092E+03 | -.1889E+01 | -.9565E+00 | .5050E+03 | .3722E+03 | .2340E+03 | .1663E+03 | -.2582E+02 | -.4067E+02 | D07055.BIS |
| 7.00 | 0.262 | -0.322 | .2936E+03 | -.8418E+00 | -.1014E+01 | .1110E+04 | .1251E+04 | .3900E+03 | .4561E+03 | -.6840E+02 | .5065E+02 | D07055.BIS |
| 8.00 | 0.285 | -0.340 | .2750E+03 | -.4500E+00 | .9381E+00 | .1680E+04 | .1709E+04 | .5731E+03 | .6409E+03 | -.1442E+03 | .2698E+02 | D07055.BIS |
| 9.00 | 0.309 | -0.357 | .2607E+03 | -.2209E+01 | .2209E+01 | .2040E+04 | .2151E+04 | .6712E+03 | .7463E+03 | -.1831E+03 | .1132E+03 | D07055.BIS |
| 10.00 | 0.333 | -0.375 | .2303E+03 | -.4231E+00 | .7781E-01 | .2410E+04 | .2774E+04 | .7329E+03 | .1090E+04 | -.1349E+03 | .1727E+03 | D07055.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{u} | \bar{v} | \bar{w} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 11.00 | 0.357 | -0.393 | 2191E+03 | -6380E+00 | -1026E+00 | .2440E+04 | .2750E+04 | .7068E+03 | .1100E+04 | -.1727E+03 | .1498E+03 | D07055.BIS |
| 12.00 | 0.381 | -0.411 | .2098E+03 | .6502E+00 | .1466E+01 | .2310E+04 | .2661E+04 | .7181E+03 | .9388E+03 | -.1983E+03 | .1326E+03 | D07055.BIS |
| 13.00 | 0.405 | -0.429 | .1996E+03 | -.3471E+00 | .2125E+01 | .2220E+04 | .2561E+04 | .6853E+03 | .9074E+03 | -.2010E+03 | .1336E+03 | D07055.BIS |
| 14.00 | 0.428 | -0.447 | .1900E+03 | -.8588E-01 | .2368E+01 | .2190E+04 | .2501E+04 | .6420E+03 | .9461E+03 | -.1699E+03 | .1302E+03 | D07055.BIS |
| 15.00 | 0.452 | -0.464 | .1848E+03 | .1038E+01 | .2907E+01 | .2000E+04 | .2331E+04 | .6141E+03 | .7961E+03 | -.1300E+03 | .1322E+03 | D07055.BIS |
| 16.00 | 0.476 | -0.483 | .1750E+03 | -.2114E+00 | .3497E+01 | .1990E+04 | .2352E+04 | .5572E+03 | .8217E+03 | -.1558E+03 | .1406E+03 | D07055.BIS |
| 17.00 | 0.500 | -0.500 | .1695E+03 | -.1122E+01 | .4243E+01 | .1820E+04 | .1993E+04 | .4971E+03 | .7487E+03 | -.1197E+03 | .9904E+02 | D07055.BIS |
| 18.00 | 0.524 | -0.518 | .1667E+03 | .1746E+01 | .3816E+01 | .1760E+04 | .1820E+04 | .4899E+03 | .6459E+03 | -.1058E+03 | .1140E+03 | D07055.BIS |
| 19.00 | 0.548 | -0.536 | .1631E+03 | .1402E+01 | .3732E+01 | .1620E+04 | .1780E+04 | .4701E+03 | .5640E+03 | -.1071E+03 | .9990E+02 | D07055.BIS |
| 20.00 | 0.572 | -0.554 | .1576E+03 | .2120E+01 | .3712E+01 | .1580E+04 | .1651E+04 | .4502E+03 | .4953E+03 | -.9681E+02 | .9925E+02 | D07055.BIS |
| 0.20 | 0.099 | -0.001 | .3236E+03 | .3850E+01 | .7680E+00 | .5170E+01 | .6038E+01 | .4310E+01 | .3016E+00 | .1912E+00 | -.1021E+01 | D07065.BIS |
| 1.00 | 0.118 | -0.001 | .3239E+03 | .4038E+01 | .1118E+01 | .5130E+01 | .6551E+01 | .4030E+01 | -.6311E-01 | .3972E+00 | -.1216E+01 | D07065.BIS |
| 2.00 | 0.142 | -0.001 | .3234E+03 | .1319E+01 | .7675E+00 | .8659E+01 | .1157E+02 | .4980E+01 | -.8103E+00 | .6088E+00 | -.3186E+01 | D07065.BIS |
| 3.00 | 0.167 | -0.002 | .3229E+03 | .5255E+00 | .5566E+00 | .2500E+02 | .2268E+02 | .1100E+02 | -.2026E+00 | .4539E+00 | -.3122E+01 | D07065.BIS |
| 4.00 | 0.190 | -0.002 | .3233E+03 | .1513E+00 | .9063E+00 | .5760E+02 | .5792E+02 | .2900E+02 | -.1860E+01 | -.1101E+01 | -.9902E+01 | D07065.BIS |
| 5.00 | 0.214 | -0.002 | .3198E+03 | -.8511E+00 | .1172E+01 | .1730E+03 | .1429E+03 | .8459E+02 | .6016E+02 | -.2262E+00 | -.2006E+02 | D07065.BIS |
| 6.00 | 0.238 | 0.000 | .3116E+03 | -.1506E+01 | .2744E+01 | .4390E+03 | .3353E+03 | .2100E+03 | .1799E+03 | -.2030E+02 | -.2232E+02 | D07065.BIS |
| 7.00 | 0.262 | 0.000 | .2966E+03 | -.1114E+01 | .4988E+01 | .9990E+03 | .1200E+04 | .3740E+03 | .4640E+03 | -.7260E+02 | .4115E+02 | D07065.BIS |
| 8.00 | 0.286 | 0.000 | .2764E+03 | -.1067E+01 | .3173E+01 | .1600E+04 | .1610E+04 | .4740E+03 | .6670E+03 | -.3804E+02 | .9599E+02 | D07065.BIS |
| 9.00 | 0.309 | -0.001 | .2599E+03 | -.2654E+01 | .5341E+01 | .1980E+04 | .1947E+04 | .5718E+03 | .7873E+03 | -.7538E+02 | .1033E+03 | D07065.BIS |
| 10.00 | 0.333 | -0.001 | .2268E+03 | -.6257E+01 | .5359E+01 | .2290E+04 | .2543E+04 | .6455E+03 | .9772E+03 | -.5300E+02 | .1812E+03 | D07065.BIS |
| 11.00 | 0.357 | -0.001 | .2196E+03 | -.3319E+01 | .7214E+01 | .2430E+04 | .2776E+04 | .6781E+03 | .1079E+04 | -.8112E+02 | .1774E+03 | D07065.BIS |
| 12.00 | 0.381 | -0.001 | .2078E+03 | -.4271E+01 | .7588E+01 | .2360E+04 | .2885E+04 | .6539E+03 | .1020E+04 | -.3777E+02 | .1935E+03 | D07065.BIS |
| 13.00 | 0.405 | -0.002 | .2025E+03 | -.2348E+01 | .8266E+01 | .2140E+04 | .2770E+04 | .6058E+03 | .9128E+03 | -.2089E+02 | .2001E+03 | D07065.BIS |
| 14.00 | 0.428 | -0.002 | .1938E+03 | -.1883E+01 | .7885E+01 | .2120E+04 | .2688E+04 | .6159E+03 | .9237E+03 | -.1350E+02 | .2039E+03 | D07065.BIS |
| 15.00 | 0.452 | 0.000 | .1878E+03 | -.5943E+00 | .7794E+01 | .1990E+04 | .2450E+04 | .5710E+03 | .7454E+03 | -.4382E+02 | .1872E+03 | D07065.BIS |
| 16.00 | 0.476 | 0.000 | .1803E+03 | -.1108E+01 | .7975E+01 | .1890E+04 | .2090E+04 | .4991E+03 | .6712E+03 | -.3542E+02 | .1480E+03 | D07065.BIS |
| 17.00 | 0.500 | 0.000 | .1730E+03 | -.1803E+01 | .9760E+01 | .1900E+04 | .1868E+04 | .5268E+03 | .7224E+03 | -.7474E+01 | .1234E+03 | D07065.BIS |
| 18.00 | 0.524 | -0.001 | .1693E+03 | -.1900E+01 | .7865E+01 | .1780E+04 | .1681E+04 | .4442E+03 | .5865E+03 | -.1911E+02 | .1152E+03 | D07065.BIS |
| 19.00 | 0.548 | -0.001 | .1645E+03 | .3794E+00 | .7360E+01 | .1680E+04 | .1579E+04 | .4328E+03 | .5830E+03 | -.3400E+02 | .1167E+03 | D07065.BIS |
| 20.00 | 0.572 | -0.001 | .1577E+03 | -.7390E+00 | .7753E+01 | .1670E+04 | .1539E+04 | .4209E+03 | .5159E+03 | -.9929E+01 | .1157E+03 | D07065.BIS |
| 0.20 | 0.099 | 0.200 | .3228E+03 | -.3326E+01 | -.6978E+00 | .4820E+01 | .2108E+02 | .3890E+01 | -.3174E+01 | -.1290E+01 | -.4899E+01 | D07075.BIS |
| 1.00 | 0.119 | 0.214 | .3235E+03 | -.2907E+01 | -.1113E+01 | .5950E+01 | .2532E+02 | .3980E+01 | -.3726E+01 | -.1190E+01 | -.5881E+01 | D07075.BIS |
| 2.00 | 0.143 | 0.232 | .3231E+03 | -.2455E+01 | -.7661E+00 | .1040E+02 | .2309E+02 | .5610E+01 | -.3960E+01 | -.1290E+01 | -.5877E+01 | D07075.BIS |
| 3.00 | 0.167 | 0.250 | .3228E+03 | -.2646E+01 | -.1405E+00 | .2460E+02 | .2992E+02 | .1000E+02 | -.4601E+01 | -.1227E+01 | -.6033E+01 | D07075.BIS |
| 4.00 | 0.190 | 0.268 | .3228E+03 | -.2084E+01 | -.1405E+00 | .5510E+02 | .5983E+02 | .2590E+02 | -.6506E+01 | -.4400E+01 | -.1226E+02 | D07075.BIS |
| 5.00 | 0.214 | 0.285 | .3209E+03 | -.2048E+01 | .5493E+00 | .1300E+03 | .1225E+03 | .7460E+02 | .2351E+02 | .1454E+01 | -.2054E+02 | D07075.BIS |
| 6.00 | 0.238 | 0.303 | .3136E+03 | -.1417E+01 | .1637E+01 | .3660E+03 | .2852E+03 | .1760E+03 | .9208E+02 | -.7207E+01 | -.2728E+02 | D07075.BIS |
| 7.00 | 0.262 | 0.321 | .2950E+03 | .3391E+00 | .3728E+01 | .1030E+04 | .1219E+04 | .3830E+03 | .4039E+03 | -.4040E+02 | -.6275E+01 | D07075.BIS |
| 8.00 | 0.286 | 0.339 | .2819E+03 | .3209E+01 | .4377E+01 | .1460E+04 | .1640E+04 | .4928E+03 | .5280E+03 | -.3883E+02 | .3383E+02 | D07075.BIS |
| 9.00 | 0.309 | 0.357 | .2725E+03 | .4690E+01 | .7199E+01 | .1600E+04 | .1869E+04 | .5819E+03 | .5688E+03 | -.5180E+02 | .1375E+02 | D07075.BIS |
| 10.00 | 0.333 | 0.375 | .2567E+03 | .4726E+01 | .8673E+01 | .1910E+04 | .2232E+04 | .6398E+03 | .6900E+03 | -.1686E+02 | .7096E+02 | D07075.BIS |
| 11.00 | 0.357 | 0.393 | .2456E+03 | .5114E+01 | .9329E+01 | .1920E+04 | .2399E+04 | .6823E+03 | .6979E+03 | .2705E+02 | .9064E+02 | D07075.BIS |
| 12.00 | 0.381 | 0.410 | .2343E+03 | .4889E+01 | .1110E+02 | .2100E+04 | .2468E+04 | .6692E+03 | .7357E+03 | .4426E+02 | .1007E+03 | D07075.BIS |
| 13.00 | 0.404 | 0.428 | .2231E+03 | .3089E+01 | .1155E+02 | .2030E+04 | .2517E+04 | .6441E+03 | .7178E+03 | .8812E+02 | .1552E+03 | D07075.BIS |
| 14.00 | 0.428 | 0.446 | .2142E+03 | .2380E+01 | .1228E+02 | .1920E+04 | .2572E+04 | .6059E+03 | .6515E+03 | .4584E+02 | .1684E+03 | D07075.BIS |
| 15.00 | 0.452 | 0.464 | .2054E+03 | .1581E+01 | .1141E+02 | .1900E+04 | .2322E+04 | .5781E+03 | .6287E+03 | .1049E+03 | .1399E+03 | D07075.BIS |
| 16.00 | 0.476 | 0.482 | .1984E+03 | .2684E+01 | .1187E+02 | .1730E+04 | .2163E+04 | .5391E+03 | .5841E+03 | .1049E+03 | .1411E+03 | D07075.BIS |
| 17.00 | 0.500 | 0.500 | .1904E+03 | .2176E+01 | .1296E+02 | .1650E+04 | .2080E+04 | .5160E+03 | .5709E+03 | .8144E+02 | .1449E+03 | D07075.BIS |
| 18.00 | 0.524 | 0.517 | .1744E+03 | -.1367E+01 | .9347E+01 | .1590E+04 | .1921E+04 | .4872E+03 | .5193E+03 | .6722E+02 | .1745E+03 | D07075.BIS |
| 19.00 | 0.548 | 0.535 | .1670E+03 | -.6762E+00 | .1023E+02 | .1520E+04 | .1752E+04 | .4521E+03 | .4893E+03 | .6504E+02 | .1446E+03 | D07075.BIS |
| 20.00 | 0.571 | 0.553 | .1633E+03 | .4653E+00 | .9864E+01 | .1450E+04 | .1550E+04 | .4330E+03 | .4370E+03 | .6831E+02 | .1138E+03 | D07075.BIS |
| 0.20 | 0.099 | 0.399 | .3221E+03 | -.4004E+01 | -.3518E+00 | .4020E+01 | .9659E+01 | .3040E+01 | -.1214E+01 | -.4291E+00 | -.2948E+01 | D07085.BIS |
| 1.00 | 0.119 | 0.429 | .3224E+03 | -.4219E+01 | -.5600E+00 | .4210E+01 | .8501E+01 | .3170E+01 | -.9141E+00 | -.2848E+00 | -.2642E+01 | D07085.BIS |
| 2.00 | 0.143 | 0.464 | .3226E+03 | -.3610E+01 | -.6983E+00 | .9130E+01 | .1173E+02 | .4990E+01 | -.1258E+01 | -.2159E+00 | -.2656E+01 | D07085.BIS |
| 3.00 | 0.167 | 0.500 | .3215E+03 | -.3799E+01 | -.1452E+00 | .2830E+02 | .2649E+02 | .1350E+02 | -.1628E+01 | -.1101E+01 | -.2120E+01 | D07085.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 4.00 | 0.190 | 0.535 | .3215E+03 | -.4042E+01 | .6907E+00 | .6870E+02 | .5956E+02 | .4440E+02 | .3811E+00 | -.4398E+01 | -.4953E+01 | D07085.BIS |
| 5.00 | 0.214 | 0.571 | .3183E+03 | -.2254E+01 | .2002E+01 | .1730E+03 | .1608E+03 | .1170E+03 | .2889E+02 | .1956E+01 | -.1568E+02 | D07085.BIS |
| 6.00 | 0.238 | 0.607 | .3075E+03 | -.1885E-01 | .4053E+01 | .4830E+03 | .9547E+03 | .2780E+03 | .1801E+03 | .3522E+02 | .2069E+02 | D07085.BIS |
| 7.00 | 0.262 | 0.642 | .2897E+03 | .1694E+01 | .6356E+01 | .1000E+04 | .1790E+04 | .4580E+03 | .3942E+03 | .1230E+03 | .6771E+02 | D07085.BIS |
| 8.00 | 0.285 | 0.678 | .2698E+03 | .4244E+01 | .8512E+01 | .1490E+04 | .2460E+04 | .6421E+03 | .4992E+03 | .1880E+03 | .1022E+03 | D07085.BIS |
| 9.00 | 0.309 | 0.714 | .2504E+03 | .5103E+01 | .8789E+01 | .1710E+04 | .3035E+04 | .6883E+03 | .6090E+03 | .2802E+03 | .1632E+03 | D07085.BIS |
| 10.00 | 0.333 | 0.750 | .2333E+03 | .6074E+01 | .9841E+01 | .1650E+04 | .3225E+04 | .6480E+03 | .5942E+03 | .2450E+03 | .1930E+03 | D07085.BIS |
| 11.00 | 0.357 | 0.785 | .2205E+03 | .7867E+01 | .1035E+02 | .1760E+04 | .3299E+04 | .6599E+03 | .6898E+03 | .2910E+03 | .2207E+03 | D07085.BIS |
| 12.00 | -0.381 | 0.821 | .2116E+03 | .9871E+01 | .1046E+02 | .1680E+04 | .3208E+04 | .6399E+03 | .6522E+03 | .2749E+03 | .2963E+03 | D07085.BIS |
| 13.00 | 0.405 | 0.857 | .2030E+03 | .7390E+01 | .9591E+01 | .1690E+04 | .2852E+04 | .6301E+03 | .6549E+03 | .2741E+03 | .2306E+03 | D07085.BIS |
| 14.00 | 0.428 | 0.893 | .1943E+03 | .7811E+01 | .1033E+02 | .1630E+04 | .2873E+04 | .5601E+03 | .5864E+03 | .2372E+03 | .2393E+03 | D07085.BIS |
| 15.00 | 0.452 | 0.928 | .1870E+03 | .7082E+01 | .1030E+02 | .1660E+04 | .2583E+04 | .5251E+03 | .6373E+03 | .2370E+03 | .2324E+03 | D07085.BIS |
| 16.00 | 0.476 | 0.964 | .1779E+03 | .5272E+01 | .9987E+01 | .1610E+04 | .2504E+04 | .4822E+03 | .6407E+03 | .2162E+03 | .2037E+03 | D07085.BIS |
| 17.00 | 0.500 | 1.000 | .1718E+03 | .4391E+01 | .9616E+01 | .1520E+04 | .2151E+04 | .4581E+03 | .5554E+03 | .2031E+03 | .1694E+03 | D07085.BIS |
| 18.00 | 0.524 | 1.035 | .1680E+03 | .5327E+01 | .9950E+01 | .1540E+04 | .2077E+04 | .4558E+03 | .4792E+03 | .1968E+03 | .1651E+03 | D07085.BIS |
| 19.00 | 0.548 | 1.071 | .1606E+03 | .4660E+01 | .8739E+01 | .1520E+04 | .1718E+04 | .4298E+03 | .4674E+03 | .2048E+03 | .1484E+03 | D07085.BIS |
| 20.00 | 0.571 | 1.107 | .1485E+03 | .1447E+01 | .8172E+01 | .1480E+04 | .1548E+04 | .3839E+03 | .4604E+03 | .1719E+03 | .1296E+03 | D07085.BIS |
| 0.20 | 0.099 | 0.599 | .3221E+03 | -.4647E+01 | -.7319E-01 | .4140E+01 | .1618E+02 | .3070E+01 | -.2733E+01 | -.3392E+00 | -.4008E+01 | D07095.BIS |
| 1.00 | 0.119 | 0.642 | .3229E+03 | -.4730E+01 | .2780E+00 | .4960E+01 | .1611E+02 | .3430E+01 | -.2453E+01 | -.2420E+00 | -.4394E+01 | D07095.BIS |
| 2.00 | 0.143 | 0.696 | .3221E+03 | -.4029E+01 | .6928E+00 | .2060E+02 | .3007E+02 | .1530E+02 | -.3400E+01 | .7598E+00 | -.6666E+01 | D07095.BIS |
| 3.00 | 0.167 | 0.750 | .3211E+03 | -.3128E+01 | .4105E+00 | .9141E+02 | .2198E+03 | .8331E+02 | .1573E+02 | .1751E+02 | .2268E+01 | D07095.BIS |
| 4.00 | 0.190 | 0.803 | .3090E+03 | -.8848E+00 | .3292E+01 | .4680E+03 | .5950E+03 | .2800E+03 | -.3290E+02 | .1220E+03 | -.4594E+02 | D07095.BIS |
| 5.00 | 0.214 | 0.857 | .2750E+03 | .2639E+01 | .7695E+01 | .1290E+04 | .1325E+04 | .5139E+03 | -.4964E+02 | .2759E+03 | -.1355E+02 | D07095.BIS |
| 6.00 | 0.238 | 0.910 | .2381E+03 | .7047E+01 | .9789E+01 | .1810E+04 | .3869E+04 | .6028E+03 | .3796E+03 | .3637E+03 | .2846E+03 | D07095.BIS |
| 7.00 | 0.262 | 0.964 | .2137E+03 | .8793E+01 | .1144E+02 | .1700E+04 | .3757E+04 | .6270E+03 | .3910E+03 | .4060E+03 | .2843E+03 | D07095.BIS |
| 8.00 | 0.285 | 1.018 | .1846E+03 | .6655E+01 | .7712E+01 | .1610E+04 | .1443E+04 | .5659E+03 | .2318E+03 | .3139E+03 | .4278E+02 | D07095.BIS |
| 9.00 | 0.309 | 1.071 | .1731E+03 | .6312E+01 | .7949E+01 | .1640E+04 | .3326E+04 | .5452E+03 | .5177E+03 | .3152E+03 | .2588E+03 | D07095.BIS |
| 10.00 | 0.333 | 1.125 | .1638E+03 | .3006E+01 | .8890E+01 | .1640E+04 | .2849E+04 | .5142E+03 | .4903E+03 | .2862E+03 | .2003E+03 | D07095.BIS |
| 11.00 | 0.357 | 1.178 | .1561E+03 | .3213E+01 | .8513E+01 | .1710E+04 | .2667E+04 | .5000E+03 | .5298E+03 | .3000E+03 | .2190E+03 | D07095.BIS |
| 12.00 | 0.381 | 1.232 | .1474E+03 | .3197E+01 | .8823E+01 | .1770E+04 | .2531E+04 | .4559E+03 | .5508E+03 | .3110E+03 | .1907E+03 | D07095.BIS |
| 13.00 | 0.405 | 1.285 | .1427E+03 | .3423E+01 | .8625E+01 | .1750E+04 | .2351E+04 | .4320E+03 | .5823E+03 | .2740E+03 | .1802E+03 | D07095.BIS |
| 14.00 | 0.428 | 1.339 | .1386E+03 | .2814E+01 | .8449E+01 | .1710E+04 | .2243E+04 | .4250E+03 | .5716E+03 | .2549E+03 | .1888E+03 | D07095.BIS |
| 15.00 | 0.452 | 1.393 | .1328E+03 | .1121E+01 | .8003E+01 | .1700E+04 | .2007E+04 | .3860E+03 | .5361E+03 | .2360E+03 | .1493E+03 | D07095.BIS |
| 16.00 | 0.476 | 1.446 | .1298E+03 | .1124E+01 | .8807E+01 | .1630E+04 | .1842E+04 | .3791E+03 | .4322E+03 | .2611E+03 | .1419E+03 | D07095.BIS |
| 17.00 | 0.500 | 1.500 | .1230E+03 | -.7256E+00 | .8525E+01 | .1580E+04 | .1749E+04 | .3561E+03 | .4583E+03 | .2451E+03 | .1303E+03 | D07095.BIS |
| 18.00 | 0.524 | 1.553 | .1197E+03 | -.1388E+01 | .8791E+01 | .1600E+04 | .1609E+04 | .3380E+03 | .4657E+03 | .2360E+03 | .1157E+03 | D07095.BIS |
| 19.00 | 0.548 | 1.607 | .1176E+03 | -.1304E+00 | .9703E+01 | .1510E+04 | .1540E+04 | .3420E+03 | .4664E+03 | .2181E+03 | .1121E+03 | D07095.BIS |
| 20.00 | 0.572 | 1.660 | .1157E+03 | -.6984E+00 | .1063E+02 | .1410E+04 | .1433E+04 | .3151E+03 | .3976E+03 | .1942E+03 | .9599E+02 | D07095.BIS |
| 0.20 | 0.099 | 0.799 | .3229E+03 | -.2405E+01 | .9746E+00 | .4600E+01 | .2824E+02 | .3680E+01 | -.3857E+01 | -.9901E+00 | -.6041E+01 | D07105.BIS |
| 1.00 | 0.119 | 0.857 | .3227E+03 | -.2190E+01 | .1183E+01 | .1400E+02 | .3369E+02 | .1360E+02 | -.6448E+01 | .1057E+01 | -.8670E+01 | D07105.BIS |
| 2.00 | 0.143 | 0.928 | .3039E+03 | -.1181E+01 | .2925E+01 | .5130E+03 | .6402E+03 | .2840E+03 | -.3172E+02 | .1400E+03 | -.4361E+02 | D07105.BIS |
| 3.00 | 0.167 | 1.000 | .2292E+03 | .7199E+01 | .1143E+02 | .1640E+04 | .1590E+04 | .5578E+03 | .1622E+03 | .3919E+03 | .5269E+01 | D07105.BIS |
| 4.00 | 0.190 | 1.071 | .1862E+03 | .7858E+01 | .1336E+02 | .1820E+04 | .1643E+04 | .5580E+03 | .1678E+03 | .3950E+03 | .6589E+02 | D07105.BIS |
| 5.00 | 0.214 | 1.142 | .1611E+03 | .3116E+01 | .1215E+02 | .1950E+04 | .3810E+04 | .5531E+03 | .5295E+03 | .4461E+03 | .3786E+03 | D07105.BIS |
| 6.00 | 0.238 | 1.214 | .1346E+03 | -.1394E+01 | .8588E+01 | .1880E+04 | .2796E+04 | .4620E+03 | .3347E+03 | .3270E+03 | .2590E+03 | D07105.BIS |
| 7.00 | 0.262 | 1.285 | .1210E+03 | -.3291E+01 | .7716E+01 | .1790E+04 | .2398E+04 | .3938E+03 | .2858E+03 | .2898E+03 | .1891E+03 | D07105.BIS |
| 8.00 | 0.285 | 1.357 | .1129E+03 | -.3410E+01 | .7464E+01 | .1640E+04 | .2184E+04 | .3728E+03 | .2964E+03 | .2838E+03 | .1675E+03 | D07105.BIS |
| 9.00 | 0.309 | 1.428 | .1077E+03 | -.4982E+01 | .6838E+01 | .1550E+04 | .2054E+04 | .3531E+03 | .2973E+03 | .2751E+03 | .1492E+03 | D07105.BIS |
| 0.20 | 0.100 | 1.000 | .3202E+03 | .4697E+00 | -.1404E+01 | .8500E+02 | .1632E+03 | .6980E+02 | -.3161E+02 | .1030E+02 | -.3542E+02 | D07115.BIS |
| 1.00 | 0.119 | 1.071 | .1228E+03 | -.2889E+01 | .1217E+02 | .1940E+04 | .1732E+04 | .4977E+03 | .3230E+03 | .5028E+03 | .1230E+03 | D07115.BIS |
| 0.20 | 0.200 | -0.200 | .3219E+03 | -.1224E-01 | -.1537E+01 | .5970E+01 | .2144E+03 | .4840E+01 | -.1611E+02 | -.1850E+01 | -.1787E+02 | D08055.BIS |
| 1.00 | 0.238 | -0.214 | .3223E+03 | -.2150E+01 | -.1884E+01 | .7100E+01 | .7016E+02 | .5020E+01 | -.7957E+01 | -.1670E+01 | -.1170E+02 | D08055.BIS |
| 2.00 | 0.286 | -0.232 | .3224E+03 | -.2172E+01 | -.8387E+00 | .2940E+02 | .6616E+02 | .1310E+02 | -.1047E+02 | .2048E+00 | -.1721E+02 | D08055.BIS |
| 3.00 | 0.333 | -0.250 | .3184E+03 | -.2004E+00 | .7490E+00 | .1830E+03 | .1858E+03 | .1190E+03 | .4200E+02 | .1346E+00 | -.4166E+02 | D08055.BIS |
| 4.00 | 0.381 | -0.268 | .2936E+03 | .3986E+01 | .1703E+01 | .9420E+03 | .1349E+04 | .4590E+03 | .4099E+03 | -.4320E+02 | .2615E+02 | D08055.BIS |
| 5.00 | 0.428 | -0.286 | .2601E+03 | .6853E+01 | .1650E+01 | .1760E+04 | .2213E+04 | .7725E+03 | .7589E+03 | -.5791E+02 | .1318E+03 | D08055.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|--------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 6.00 | 0.476 | -0.304 | .2293E+03 | .5624E+01 | .3348E+01 | .2280E+04 | .2580E+04 | .8433E+03 | .1082E+04 | -.1198E+03 | .1098E+03 | D08055.BIS |
| 7.00 | 0.524 | -0.322 | .2091E+03 | .4357E+01 | .4110E+01 | .2340E+04 | .2430E+04 | .8259E+03 | .1120E+04 | -.6148E+02 | .1309E+03 | D08055.BIS |
| 8.00 | 0.572 | -0.339 | .1842E+03 | .1621E+01 | .4716E+01 | .2400E+04 | .2560E+04 | .7569E+03 | .1170E+04 | -.8752E+02 | .1382E+03 | D08055.BIS |
| 9.00 | 0.618 | -0.357 | .1758E+03 | .1452E+00 | .4267E+01 | .2460E+04 | .2394E+04 | .7149E+03 | .1209E+04 | -.8265E+02 | .9372E+02 | D08055.BIS |
| 10.00 | 0.667 | -0.375 | .1666E+03 | .6939E+00 | .5487E+01 | .2510E+04 | .2528E+04 | .6640E+03 | .1280E+04 | -.9428E+02 | .1340E+03 | D08055.BIS |
| 11.00 | 0.714 | -0.393 | .1605E+03 | .1783E+01 | .4141E+01 | .2560E+04 | .2492E+04 | .6662E+03 | .1310E+04 | -.5359E+02 | .1305E+03 | D08055.BIS |
| 12.00 | 0.762 | -0.411 | .1518E+03 | .1480E+01 | .5433E+01 | .2470E+04 | .2381E+04 | .6181E+03 | .1190E+04 | -.1122E+02 | .1575E+03 | D08055.BIS |
| 13.00 | 0.809 | -0.429 | .1452E+03 | .8624E-01 | .5819E+01 | .2480E+04 | .2157E+04 | .5951E+03 | .1161E+04 | -.4011E+02 | .1483E+03 | D08055.BIS |
| 14.00 | -0.857 | -0.447 | .1424E+03 | .1018E+01 | .5287E+01 | .2370E+04 | .2063E+04 | .5531E+03 | .1089E+04 | -.6237E+02 | .9279E+02 | D08055.BIS |
| 15.00 | 0.904 | -0.464 | .1350E+03 | -.1164E+01 | .5322E+01 | .2260E+04 | .1795E+04 | .5190E+03 | .1001E+04 | -.3464E+02 | .1158E+03 | D08055.BIS |
| 16.00 | 0.952 | -0.483 | .1308E+03 | -.1340E+01 | .6066E+01 | .2130E+04 | .1687E+04 | .4958E+03 | .9111E+03 | -.1502E+02 | .1143E+03 | D08055.BIS |
| 17.00 | 1.000 | -0.500 | .1287E+03 | -.1070E+01 | .6797E+01 | .2060E+04 | .1528E+04 | .4726E+03 | .8533E+03 | .1382E+02 | .1124E+03 | D08055.BIS |
| 18.00 | 1.047 | -0.518 | .1254E+03 | .1190E+01 | .7544E+01 | .1880E+04 | .1477E+04 | .4428E+03 | .7542E+03 | -.1824E+02 | .1321E+03 | D08055.BIS |
| 19.00 | 1.095 | -0.536 | .1213E+03 | -.3794E+00 | .7292E+01 | .1700E+04 | .1357E+04 | .4160E+03 | .6652E+03 | .1221E+02 | .1325E+03 | D08055.BIS |
| 20.00 | 1.143 | -0.554 | .1170E+03 | -.6729E+00 | .6984E+01 | .1600E+04 | .1332E+04 | .4121E+03 | .6124E+03 | .1831E+02 | .1405E+03 | D08055.BIS |
| 0.20 | 0.199 | 0.000 | .3237E+03 | .2571E+01 | .3506E+00 | .6660E+01 | .7425E+01 | .4750E+01 | .2087E+00 | -.1801E+00 | -.1589E+01 | D08065.BIS |
| 1.00 | 0.238 | 0.000 | .3234E+03 | .2420E+01 | .8369E+00 | .6200E+01 | .6472E+01 | .4480E+01 | .5373E+00 | .1909E+00 | -.8771E+00 | D08065.BIS |
| 2.00 | 0.286 | 0.000 | .3238E+03 | .2989E+01 | .1814E+01 | .2430E+02 | .2438E+02 | .1170E+02 | -.1058E+01 | -.2990E+00 | -.3996E+01 | D08065.BIS |
| 3.00 | 0.333 | 0.000 | .3204E+03 | .3450E+01 | .2846E+01 | .1490E+03 | .1279E+03 | .8670E+02 | .4775E+02 | -.8722E+00 | -.1572E+02 | D08065.BIS |
| 4.00 | 0.381 | -0.001 | .2968E+03 | .4089E+01 | .4501E+01 | .8740E+03 | .6322E+03 | .3780E+03 | .3715E+03 | -.2530E+02 | .1086E+00 | D08065.BIS |
| 5.00 | 0.428 | -0.001 | .2630E+03 | .4149E+01 | .8278E+01 | .1670E+04 | .2172E+04 | .6461E+03 | .8055E+03 | -.5378E+02 | .1747E+03 | D08065.BIS |
| 6.00 | 0.477 | -0.001 | .2366E+03 | .2860E+01 | .9575E+01 | .2020E+04 | .2426E+04 | .7153E+03 | .9824E+03 | .9786E+01 | .2115E+03 | D08065.BIS |
| 7.00 | 0.523 | -0.001 | .2164E+03 | .2336E+01 | .1069E+02 | .2240E+04 | .2365E+04 | .7107E+03 | .1040E+04 | -.7402E+01 | .2134E+03 | D08065.BIS |
| 8.00 | 0.572 | -0.002 | .2005E+03 | .3414E+01 | .1146E+02 | .2330E+04 | .2383E+04 | .6629E+03 | .1050E+04 | .1411E+02 | .1912E+03 | D08065.BIS |
| 9.00 | 0.618 | -0.002 | .1835E+03 | .7771E+00 | .1238E+02 | .2490E+04 | .2379E+04 | .6243E+03 | .1221E+04 | .6587E+02 | .2037E+03 | D08065.BIS |
| 10.00 | 0.667 | -0.002 | .1614E+03 | -.5978E+00 | .8533E+01 | .2470E+04 | .2161E+04 | .6358E+03 | .1131E+04 | -.7132E+02 | .1737E+03 | D08065.BIS |
| 11.00 | 0.714 | 0.000 | .1553E+03 | .6193E+00 | .4819E+01 | .2490E+04 | .2314E+04 | .5401E+03 | .1190E+04 | .6443E+00 | .1889E+03 | D08065.BIS |
| 12.00 | 0.762 | 0.000 | .1467E+03 | -.1896E+01 | .5999E+01 | .2631E+04 | .2383E+04 | .5118E+03 | .1261E+04 | .4378E+02 | .2026E+03 | D08065.BIS |
| 13.00 | 0.809 | 0.000 | .1394E+03 | -.2189E+01 | .6404E+01 | .2610E+04 | .2155E+04 | .4790E+03 | .1190E+04 | .7884E+02 | .2014E+03 | D08065.BIS |
| 14.00 | 0.857 | -0.001 | .1358E+03 | -.3532E+01 | .6962E+01 | .2580E+04 | .2113E+04 | .4591E+03 | .1151E+04 | .8131E+02 | .2196E+03 | D08065.BIS |
| 15.00 | 0.904 | -0.001 | .1332E+03 | -.2257E+01 | .8060E+01 | .2420E+04 | .1943E+04 | .4470E+03 | .1000E+04 | .1018E+03 | .2034E+03 | D08065.BIS |
| 16.00 | 0.952 | -0.001 | .1281E+03 | -.2786E+01 | .7819E+01 | .2310E+04 | .1866E+04 | .4054E+03 | .9843E+03 | .1040E+03 | .1771E+03 | D08065.BIS |
| 17.00 | 1.000 | -0.001 | .1260E+03 | -.1582E+01 | .7950E+01 | .2150E+04 | .1583E+04 | .4100E+03 | .8496E+03 | .7291E+02 | .1656E+03 | D08065.BIS |
| 18.00 | 1.047 | -0.002 | .1237E+03 | -.1635E+01 | .8040E+01 | .2050E+04 | .1439E+04 | .3848E+03 | .7635E+03 | .6413E+02 | .1505E+03 | D08065.BIS |
| 19.00 | 1.095 | 0.000 | .1194E+03 | -.1872E+01 | .7536E+01 | .1920E+04 | .1409E+04 | .3568E+03 | .7266E+03 | .4425E+02 | .1300E+03 | D08065.BIS |
| 19.00 | 1.143 | 0.000 | .1151E+03 | -.1906E+01 | .8168E+01 | .1800E+04 | .1360E+04 | .3382E+03 | .6640E+03 | .4238E+02 | .1299E+03 | D08065.BIS |
| 20.00 | 1.143 | 0.000 | .1180E+03 | .1466E+01 | .5413E+01 | .1770E+04 | .1303E+04 | .3673E+03 | .6930E+03 | .3642E+01 | .7887E+02 | D08066.BIS |
| 0.20 | 0.200 | 0.200 | .3225E+03 | -.1809E+01 | -.1415E+00 | .5940E+01 | .6362E+02 | .4630E+01 | -.8376E+01 | -.2613E+00 | -.1136E+02 | D08075.BIS |
| 1.00 | 0.238 | 0.214 | .3233E+03 | -.1612E+01 | .2097E+00 | .6610E+01 | .4561E+02 | .5050E+01 | -.7664E+01 | .2588E+00 | -.9462E+01 | D08075.BIS |
| 2.00 | 0.286 | 0.232 | .3231E+03 | -.7133E+00 | -.1070E-03 | .2370E+02 | .5176E+02 | .1060E+02 | -.9876E+01 | .1281E+00 | -.1222E+02 | D08075.BIS |
| 3.00 | 0.333 | 0.250 | .3218E+03 | .7770E+00 | .1528E+01 | .1140E+03 | .1074E+03 | .7040E+02 | .1001E+02 | -.1291E+01 | -.1492E+02 | D08075.BIS |
| 4.00 | 0.381 | 0.268 | .3013E+03 | .3014E+01 | .2776E+01 | .7470E+03 | .5494E+03 | .3390E+03 | .2530E+03 | -.1321E+02 | -.1554E+02 | D08075.BIS |
| 5.00 | 0.428 | 0.285 | .2693E+03 | .5386E+01 | .5515E+01 | .1600E+04 | .2043E+04 | .6322E+03 | .6709E+03 | -.9541E+00 | .1810E+03 | D08075.BIS |
| 6.00 | 0.476 | 0.303 | .2418E+03 | .5993E+01 | .7922E+01 | .2030E+04 | .2305E+04 | .7879E+03 | .8392E+03 | -.7454E+01 | .1263E+03 | D08075.BIS |
| 7.00 | 0.524 | 0.321 | .2166E+03 | .4209E+01 | .1006E+02 | .2360E+04 | .2432E+04 | .8317E+03 | .1020E+04 | .4612E+02 | .1746E+03 | D08075.BIS |
| 8.00 | 0.572 | 0.339 | .2013E+03 | .4232E+01 | .1258E+02 | .2500E+04 | .2725E+04 | .7900E+03 | .1181E+04 | .7530E+02 | .2193E+03 | D08075.BIS |
| 9.00 | 0.618 | 0.357 | .1891E+03 | .3470E+01 | .1323E+02 | .2490E+04 | .2376E+04 | .7809E+03 | .1090E+04 | .1038E+03 | .2317E+03 | D08075.BIS |
| 10.00 | 0.667 | 0.375 | .1686E+03 | .1070E+01 | .9186E+01 | .2500E+04 | .2453E+04 | .7142E+03 | .1220E+04 | .4957E+02 | .2258E+03 | D08075.BIS |
| 11.00 | 0.714 | 0.393 | .1620E+03 | .1764E-01 | .8396E+01 | .2610E+04 | .2329E+04 | .6927E+03 | .1199E+04 | .1071E+03 | .2515E+03 | D08075.BIS |
| 12.00 | 0.762 | 0.410 | .1542E+03 | -.2047E+01 | .9064E+01 | .2630E+04 | .2432E+04 | .6541E+03 | .1251E+04 | .1263E+03 | .2626E+03 | D08075.BIS |
| 13.00 | 0.809 | 0.428 | .1504E+03 | -.1388E+01 | .1035E+02 | .2380E+04 | .2279E+04 | .6400E+03 | .1109E+04 | .1359E+03 | .2709E+03 | D08075.BIS |
| 14.00 | 0.857 | 0.446 | .1483E+03 | .4560E+00 | .9627E+01 | .2370E+04 | .2081E+04 | .6186E+03 | .1058E+04 | .1370E+03 | .2316E+03 | D08075.BIS |
| 15.00 | 0.904 | 0.464 | .1383E+03 | -.8377E+00 | .8427E+01 | .2360E+04 | .2046E+04 | .5579E+03 | .1040E+04 | .1462E+03 | .2451E+03 | D08075.BIS |
| 16.00 | 0.952 | 0.482 | .1376E+03 | -.9748E+00 | .7874E+01 | .2220E+04 | .1755E+04 | .5218E+03 | .9417E+03 | .1343E+03 | .1861E+03 | D08075.BIS |
| 17.00 | 1.000 | 0.500 | .1317E+03 | -.1233E+01 | .7895E+01 | .2030E+04 | .1694E+04 | .4909E+03 | .8410E+03 | .1537E+03 | .1931E+03 | D08075.BIS |
| 18.00 | 1.047 | 0.517 | .1282E+03 | .9406E-01 | .7004E+01 | .1960E+04 | .1536E+04 | .4470E+03 | .7598E+03 | .1131E+03 | .1369E+03 | D08075.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | $\overline{U^2}$ | $\overline{V^2}$ | $\overline{W^2}$ | \overline{UV} | \overline{UW} | \overline{VW} | File Name |
|-------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 19.00 | 1.095 | 0.536 | .1248E+03 | .4771E+00 | .6664E+01 | .1810E+04 | .1463E+04 | .4570E+03 | .7737E+03 | .9600E+02 | .1238E+03 | D08075.BIS |
| 20.00 | 1.143 | 0.553 | .1208E+03 | .1476E+00 | .6503E+01 | .1680E+04 | .1416E+04 | .4188E+03 | .7291E+03 | .5550E+02 | .1093E+03 | D08075.BIS |
| 0.20 | 0.199 | 0.399 | .3226E+03 | -.2284E+01 | -.1395E+01 | .4300E+01 | .1033E+02 | .3350E+01 | -.1761E+01 | -.5523E+00 | -.2830E+01 | D08085.BIS |
| 1.00 | 0.238 | 0.429 | .3231E+03 | -.2314E+01 | -.1254E+01 | .5820E+01 | .1112E+02 | .3520E+01 | -.1521E+01 | -.3908E+00 | -.3130E+01 | D08085.BIS |
| 2.00 | 0.286 | 0.464 | .3226E+03 | -.2727E+01 | -.8376E+00 | .2330E+02 | .2006E+02 | .9519E+01 | -.3842E-02 | -.1140E+01 | -.2952E+01 | D08085.BIS |
| 3.00 | 0.333 | 0.500 | .3198E+03 | -.2596E+01 | .4058E+00 | .1510E+03 | .1215E+03 | .8338E+02 | .4591E+02 | -.2504E+01 | -.9517E+01 | D08085.BIS |
| 4.00 | 0.381 | 0.535 | .2965E+03 | -.9733E+00 | .4500E+01 | .8570E+03 | .6330E+03 | .3650E+03 | .3171E+03 | -.3049E+01 | -.1215E+02 | D08085.BIS |
| 5.00 | 0.428 | 0.571 | .2636E+03 | .1691E+01 | .1002E+02 | .1590E+04 | .2378E+04 | .6108E+03 | .7236E+03 | -.2793E+02 | .1556E+03 | D08085.BIS |
| 6.00 | 0.476 | 0.607 | .2368E+03 | .3815E+01 | .1403E+02 | .2010E+04 | .2942E+04 | .7462E+03 | .9236E+03 | .3565E+02 | .2523E+03 | D08085.BIS |
| 7.00 | 0.523 | 0.642 | .2176E+03 | .3654E+01 | .1494E+02 | .2150E+04 | .2797E+04 | .7138E+03 | .1001E+04 | .1073E+03 | .2151E+03 | D08085.BIS |
| 8.00 | 0.572 | 0.678 | .2023E+03 | .4567E+01 | .1537E+02 | .2230E+04 | .2687E+04 | .6791E+03 | .1041E+04 | .1928E+03 | .2527E+03 | D08085.BIS |
| 9.00 | 0.619 | 0.714 | .1912E+03 | .3135E+01 | .1359E+02 | .2160E+04 | .2648E+04 | .6312E+03 | .9702E+03 | .1982E+03 | .2260E+03 | D08085.BIS |
| 10.00 | 0.667 | 0.750 | .1691E+03 | -.4525E+00 | .1156E+02 | .2090E+04 | .2337E+04 | .5638E+03 | .9447E+03 | .1982E+03 | .2530E+03 | D08085.BIS |
| 11.00 | 0.714 | 0.785 | .1595E+03 | .2686E+01 | .9641E+01 | .2110E+04 | .2221E+04 | .5434E+03 | .9071E+03 | .1958E+03 | .2222E+03 | D08085.BIS |
| 12.00 | 0.762 | 0.821 | .1527E+03 | .1666E+01 | .9692E+01 | .2060E+04 | .2088E+04 | .4997E+03 | .8749E+03 | .1848E+03 | .2090E+03 | D08085.BIS |
| 13.00 | 0.809 | 0.857 | .1460E+03 | .1658E+01 | .9173E+01 | .2010E+04 | .1901E+04 | .4861E+03 | .8210E+03 | .2157E+03 | .2169E+03 | D08085.BIS |
| 14.00 | 0.857 | 0.893 | .1380E+03 | .1236E+01 | .8998E+01 | .2080E+04 | .1824E+04 | .4473E+03 | .8430E+03 | .2121E+03 | .1939E+03 | D08085.BIS |
| 15.00 | 0.904 | 0.928 | .1332E+03 | .1754E+01 | .8562E+01 | .2000E+04 | .1913E+04 | .4278E+03 | .8272E+03 | .2109E+03 | .1782E+03 | D08085.BIS |
| 16.00 | 0.952 | 0.964 | .1270E+03 | .1178E+01 | .8393E+01 | .1940E+04 | .1785E+04 | .3922E+03 | .8318E+03 | .1992E+03 | .1740E+03 | D08085.BIS |
| 17.00 | 1.000 | 1.000 | .1221E+03 | .1048E+01 | .8243E+01 | .1810E+04 | .1497E+04 | .3729E+03 | .7012E+03 | .1648E+03 | .1505E+03 | D08085.BIS |
| 18.00 | 1.047 | 1.035 | .1174E+03 | .1669E+01 | .7174E+01 | .1700E+04 | .1477E+04 | .3478E+03 | .6333E+03 | .1458E+03 | .1211E+03 | D08085.BIS |
| 19.00 | 1.095 | 1.071 | .1130E+03 | .1615E+01 | .6997E+01 | .1640E+04 | .1330E+04 | .3279E+03 | .6627E+03 | .1349E+03 | .1078E+03 | D08085.BIS |
| 20.00 | 1.143 | 1.107 | .1080E+03 | .9191E+00 | .5795E+01 | .1510E+04 | .1218E+04 | .3039E+03 | .5906E+03 | .1269E+03 | .9203E+02 | D08085.BIS |
| 0.20 | 0.200 | 0.599 | .3221E+03 | -.3760E+01 | -.1188E+01 | .4410E+01 | .2090E+02 | .3550E+01 | -.3262E+01 | -.6562E+00 | -.4960E+01 | D08095.BIS |
| 1.00 | 0.238 | 0.642 | .3225E+03 | -.4777E+01 | -.5595E+00 | .6210E+01 | .1402E+02 | .5100E+01 | -.2017E+01 | -.1220E+01 | -.4163E+01 | D08095.BIS |
| 2.00 | 0.286 | 0.696 | .3224E+03 | -.5586E+01 | .2759E+00 | .3770E+02 | .3290E+02 | .2140E+02 | -.2663E+01 | -.1831E+01 | -.2125E+01 | D08095.BIS |
| 3.00 | 0.333 | 0.750 | .3150E+03 | -.1952E+01 | .3593E+01 | .2890E+03 | .2544E+03 | .1810E+03 | .7819E+02 | -.1001E+02 | -.4163E+02 | D08095.BIS |
| 4.00 | 0.381 | 0.803 | .2783E+03 | -.2288E+00 | .1203E+02 | .1310E+04 | .2040E+04 | .5649E+03 | .5260E+03 | .2059E+02 | .9668E+02 | D08095.BIS |
| 5.00 | 0.428 | 0.856 | .2421E+03 | .4991E+01 | .1621E+02 | .1680E+04 | .3000E+04 | .6812E+03 | .7478E+03 | .2133E+03 | .2197E+03 | D08095.BIS |
| 6.00 | 0.476 | 0.910 | .2119E+03 | .1027E+02 | .1394E+02 | .1800E+04 | .3011E+04 | .6591E+03 | .7395E+03 | .2431E+03 | .1356E+03 | D08095.BIS |
| 7.00 | 0.524 | 0.964 | .1904E+03 | .1169E+02 | .1310E+02 | .1920E+04 | .2605E+04 | .6278E+03 | .7129E+03 | .2998E+03 | .1468E+03 | D08095.BIS |
| 8.00 | 0.572 | 1.017 | .1755E+03 | .1047E+02 | .1221E+02 | .1760E+04 | .2645E+04 | .5731E+03 | .7025E+03 | .2570E+03 | .1918E+03 | D08095.BIS |
| 9.00 | 0.618 | 1.071 | .1648E+03 | .1078E+02 | .1314E+02 | .1770E+04 | .2573E+04 | .5541E+03 | .8102E+03 | .2790E+03 | .2325E+03 | D08095.BIS |
| 10.00 | 0.667 | 1.124 | .1437E+03 | .5254E+01 | .1014E+02 | .1750E+04 | .2202E+04 | .5031E+03 | .6821E+03 | .2481E+03 | .1481E+03 | D08095.BIS |
| 11.00 | 0.714 | 1.178 | .1347E+03 | .5126E+01 | .9647E+01 | .1730E+04 | .1985E+04 | .4600E+03 | .6364E+03 | .2491E+03 | .1572E+03 | D08095.BIS |
| 12.00 | 0.762 | 1.232 | .1282E+03 | .3689E+01 | .8934E+01 | .1800E+04 | .1921E+04 | .4471E+03 | .6632E+03 | .2381E+03 | .1083E+03 | D08095.BIS |
| 13.00 | 0.809 | 1.285 | .1187E+03 | .3367E+01 | .8585E+01 | .1760E+04 | .1648E+04 | .3900E+03 | .6892E+03 | .2130E+03 | .1133E+03 | D08095.BIS |
| 14.00 | 0.857 | 1.339 | .1158E+03 | .2177E+01 | .7614E+01 | .1620E+04 | .1829E+04 | .3850E+03 | .7168E+03 | .2460E+03 | .1740E+03 | D08095.BIS |
| 15.00 | 0.905 | 1.392 | .1136E+03 | .2048E+01 | .7780E+01 | .1590E+04 | .1727E+04 | .3938E+03 | .6995E+03 | .2318E+03 | .1473E+03 | D08095.BIS |
| 16.00 | 0.952 | 1.446 | .1075E+03 | .5177E+00 | .7904E+01 | .1490E+04 | .1557E+04 | .3518E+03 | .6532E+03 | .1918E+03 | .1212E+03 | D08095.BIS |
| 17.00 | 1.000 | 1.500 | .1048E+03 | .7477E+00 | .7086E+01 | .1400E+04 | .1437E+04 | .3428E+03 | .5922E+03 | .1938E+03 | .1332E+03 | D08095.BIS |
| 18.00 | 1.047 | 1.553 | .1004E+03 | .1255E+01 | .7104E+01 | .1370E+04 | .1358E+04 | .3220E+03 | .6056E+03 | .1949E+03 | .1378E+03 | D08095.BIS |
| 19.00 | 1.095 | 1.607 | .9842E+02 | .4119E+00 | .6944E+01 | .1230E+04 | .1310E+04 | .2960E+03 | .5261E+03 | .1610E+03 | .1261E+03 | D08095.BIS |
| 20.00 | 1.143 | 1.660 | .9658E+02 | .7114E+00 | .6826E+01 | .1180E+04 | .1160E+04 | .2790E+03 | .4862E+03 | .1440E+03 | .1170E+03 | D08095.BIS |
| 0.20 | 0.199 | 0.799 | .3224E+03 | -.2755E+01 | .2065E+00 | .3960E+01 | .1513E+02 | .3600E+01 | -.2612E+01 | -.6340E+00 | -.3852E+01 | D08105.BIS |
| 1.00 | 0.238 | 0.857 | .3224E+03 | -.2474E+01 | .2065E+00 | .1700E+02 | .2208E+02 | .1480E+02 | -.8224E+00 | -.1429E+01 | -.3510E+01 | D08105.BIS |
| 2.00 | 0.285 | 0.928 | .3015E+03 | -.8244E+00 | .6330E+01 | .5890E+03 | .6291E+03 | .3150E+03 | .2088E+02 | .1490E+03 | .1470E+02 | D08105.BIS |
| 3.00 | 0.333 | 1.000 | .2271E+03 | .9369E+01 | .1442E+02 | .1730E+04 | .1720E+04 | .5880E+03 | .5691E+02 | .4149E+03 | -.1678E+01 | D08105.BIS |
| 4.00 | 0.381 | 1.071 | .1746E+03 | -.4748E+00 | .1401E+02 | .1780E+04 | .1617E+04 | .5450E+03 | .1900E+03 | .3910E+03 | .5110E+02 | D08105.BIS |
| 5.00 | 0.428 | 1.143 | .1498E+03 | .3631E+01 | .1235E+02 | .1810E+04 | .3208E+04 | .4908E+03 | .5951E+03 | .3428E+03 | .3140E+03 | D08105.BIS |
| 6.00 | 0.476 | 1.214 | .1284E+03 | .2917E+01 | .1035E+02 | .1830E+04 | .2640E+04 | .4489E+03 | .5543E+03 | .3499E+03 | .2354E+03 | D08105.BIS |
| 7.00 | 0.523 | 1.285 | .1196E+03 | .1844E+01 | .9550E+01 | .1680E+04 | .2229E+04 | .3878E+03 | .5012E+03 | .2628E+03 | .1984E+03 | D08105.BIS |
| 8.00 | 0.572 | 1.357 | .1079E+03 | .9518E-01 | .8616E+01 | .1560E+04 | .1974E+04 | .3512E+03 | .5350E+03 | .2872E+03 | .2237E+03 | D08105.BIS |
| 9.00 | 0.619 | 1.428 | .1003E+03 | -.8920E+00 | .7717E+01 | .1440E+04 | .1681E+04 | .3241E+03 | .4063E+03 | .2691E+03 | .1554E+03 | D08105.BIS |
| 0.20 | 0.200 | 0.999 | .3204E+03 | -.2760E+01 | .5982E-01 | .3380E+02 | .1093E+03 | .3200E+02 | -.2631E+02 | .3838E+01 | -.2518E+02 | D08115.BIS |
| 1.00 | 0.238 | 1.071 | .1294E+03 | -.1626E+01 | .1330E+02 | .1810E+04 | .1634E+04 | .5469E+03 | .3770E+03 | .4938E+03 | .1763E+03 | D08115.BIS |

TABLE 5
Continued

| X | Y | Z | U | V | W | U | V | W | UV | UV | UV | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 0.20 | 0.299 | -0.200 | .3225E+03 | -.4456E+01 | -.6988E+00 | .4110E+01 | .1713E+02 | .3730E+01 | -.2954E+01 | -.8860E+00 | -.4102E+01 | D09055.BIS |
| 1.00 | 0.357 | -0.215 | .3229E+03 | -.4652E+01 | .9746E+00 | .1060E+02 | .2876E+02 | .6569E+01 | -.5125E+01 | -.5990E+00 | -.7329E+01 | D09055.BIS |
| 2.00 | 0.428 | -0.232 | .3022E+03 | .3063E+00 | .2501E+01 | .6350E+03 | .4658E+03 | .3000E+03 | .2023E+03 | -.1608E+02 | -.1274E+02 | D09055.BIS |
| 3.00 | 0.500 | -0.250 | .2334E+03 | .9121E+01 | .5174E+01 | .1800E+04 | .1255E+04 | .7081E+03 | .6621E+03 | -.3051E+02 | .2494E+02 | D09055.BIS |
| 4.00 | 0.572 | -0.268 | .1832E+03 | .6670E+01 | .5617E+01 | .1980E+04 | .2787E+04 | .6458E+03 | .1039E+04 | -.2262E+02 | .1835E+03 | D09055.BIS |
| 5.00 | 0.642 | -0.286 | .1552E+03 | .4043E+01 | .6560E+01 | .2330E+04 | .2606E+04 | .5727E+03 | .1159E+04 | .9942E+01 | .1952E+03 | D09055.BIS |
| 6.00 | 0.714 | -0.304 | .1352E+03 | .2204E+01 | .6312E+01 | .2400E+04 | .2284E+04 | .4762E+03 | .1181E+04 | .1406E+02 | .1757E+03 | D09055.BIS |
| 7.00 | 0.786 | -0.322 | .1243E+03 | .2015E+00 | .4580E+01 | .2320E+04 | .2298E+04 | .4578E+03 | .1169E+04 | -.7683E+01 | .1635E+03 | D09055.BIS |
| 8.00 | 0.857 | -0.339 | .1143E+03 | -.1603E+01 | .3881E+01 | .2260E+04 | .2197E+04 | .4377E+03 | .1139E+04 | -.1326E+01 | .1702E+03 | D09055.BIS |
| 9.00 | 0.928 | -0.357 | .1067E+03 | -.3271E+01 | .4355E+01 | .2070E+04 | .1999E+04 | .3850E+03 | .1040E+04 | .3419E+02 | .1598E+03 | D09055.BIS |
| 0.20 | 0.298 | 0.000 | .3222E+03 | -.4959E+00 | .1111E+01 | .5540E+01 | .7366E+02 | .5120E+01 | -.7906E+01 | -.2230E+01 | -.9918E+01 | D09065.BIS |
| 1.00 | 0.357 | 0.000 | .3228E+03 | -.1126E+01 | .1392E+01 | .1170E+02 | .3090E+02 | .6600E+01 | -.6357E+01 | -.1349E+01 | -.6961E+01 | D09065.BIS |
| 2.00 | 0.428 | 0.000 | .3035E+03 | .1175E+01 | .3481E+01 | .6310E+03 | .4551E+03 | .2920E+03 | .2368E+03 | -.2072E+02 | -.1207E+01 | D09065.BIS |
| 3.00 | 0.500 | -0.001 | .2321E+03 | .3080E+01 | .9419E+01 | .1880E+04 | .2470E+04 | .6783E+03 | .8830E+03 | -.1660E+02 | .2260E+03 | D09065.BIS |
| 4.00 | 0.572 | -0.001 | .1910E+03 | .4187E+01 | .9965E+01 | .2190E+04 | .2560E+04 | .6173E+03 | .1062E+04 | .5479E+02 | .2614E+03 | D09065.BIS |
| 5.00 | 0.642 | -0.001 | .1550E+03 | -.8450E+00 | .8858E+01 | .2300E+04 | .2423E+04 | .5216E+03 | .1108E+04 | .5791E+02 | .2287E+03 | D09065.BIS |
| 6.00 | 0.714 | -0.001 | .1378E+03 | -.1022E+01 | .8056E+01 | .2570E+04 | .2301E+04 | .4970E+03 | .1160E+04 | .1357E+03 | .2718E+03 | D09065.BIS |
| 7.00 | 0.786 | -0.001 | .1237E+03 | -.3566E+01 | .7726E+01 | .2450E+04 | .2122E+04 | .4410E+03 | .1071E+04 | .1234E+03 | .2411E+03 | D09065.BIS |
| 8.00 | 0.857 | -0.002 | .1103E+03 | -.4641E+01 | .7231E+01 | .2380E+04 | .1903E+04 | .3739E+03 | .1039E+04 | .1359E+03 | .2321E+03 | D09065.BIS |
| 9.00 | 0.928 | -0.002 | .1011E+03 | -.6012E+01 | .6459E+01 | .2280E+04 | .1522E+04 | .3410E+03 | .8974E+03 | .1232E+03 | .1882E+03 | D09065.BIS |
| 10.00 | 1.000 | -0.002 | .9484E+02 | -.7352E+01 | .5628E+01 | .2030E+04 | .1397E+04 | .3077E+03 | .8050E+03 | .1259E+03 | .1752E+03 | D09065.BIS |
| 11.00 | 1.071 | 0.000 | .9006E+02 | -.7825E+01 | .5318E+01 | .1830E+04 | .1239E+04 | .2869E+03 | .7293E+03 | .1098E+03 | .1546E+03 | D09065.BIS |
| 12.00 | 1.143 | 0.000 | .8851E+02 | -.6166E+01 | .5570E+01 | .1670E+04 | .1257E+04 | .2637E+03 | .7343E+03 | .1288E+03 | .1632E+03 | D09065.BIS |
| 13.00 | 1.214 | 0.000 | .8515E+02 | -.7928E+01 | .5587E+01 | .1580E+04 | .1160E+04 | .2580E+03 | .6730E+03 | .1220E+03 | .1600E+03 | D09065.BIS |
| 14.00 | 1.286 | -0.001 | .8608E+02 | -.5572E+01 | .5261E+01 | .1530E+04 | .1181E+04 | .2431E+03 | .6750E+03 | .7980E+02 | .1292E+03 | D09065.BIS |
| 15.00 | 1.357 | -0.001 | .8682E+02 | -.2871E+01 | .4533E+01 | .1450E+04 | .1130E+04 | .2471E+03 | .6549E+03 | .4248E+02 | .1200E+03 | D09065.BIS |
| 16.00 | 1.428 | -0.001 | .8937E+02 | -.7719E+00 | .5733E+01 | .1400E+04 | .1210E+04 | .2791E+03 | .6860E+03 | .2072E+02 | .1191E+03 | D09065.BIS |
| 17.00 | 1.500 | -0.002 | .8812E+02 | -.5734E+00 | .5046E+01 | .1330E+04 | .1080E+04 | .2460E+03 | .6098E+03 | .3119E+02 | .9172E+02 | D09065.BIS |
| 18.00 | 1.572 | -0.002 | .8717E+02 | -.1878E+00 | .4283E+01 | .1300E+04 | .1141E+04 | .2430E+03 | .6641E+03 | .3124E+02 | .1122E+03 | D09065.BIS |
| 19.00 | 1.642 | 0.000 | .8524E+02 | .5390E+00 | .4269E+01 | .1130E+04 | .1000E+04 | .2250E+03 | .5640E+03 | .2278E+02 | .9316E+02 | D09065.BIS |
| 20.00 | 1.714 | 0.000 | .8360E+02 | -.4419E+00 | .4416E+01 | .1040E+04 | .9011E+03 | .2090E+03 | .4999E+03 | .2641E+02 | .9534E+02 | D09065.BIS |
| 0.20 | 0.299 | 0.200 | .3216E+03 | -.1655E+01 | .1179E+01 | .9298E+01 | .4507E+02 | .7998E+01 | -.4734E+01 | -.5138E+01 | -.9078E+01 | D09075.BIS |
| 1.00 | 0.357 | 0.214 | .3212E+03 | -.2772E+01 | .3058E+01 | .7241E+02 | .1495E+03 | .2190E+02 | -.1869E+02 | -.1080E+02 | -.3897E+02 | D09075.BIS |
| 2.00 | 0.428 | 0.232 | .2724E+03 | -.1246E+01 | .5387E+01 | .1650E+04 | .1982E+04 | .5251E+03 | .7625E+03 | -.1138E+02 | .1516E+03 | D09075.BIS |
| 3.00 | 0.500 | 0.250 | .2219E+03 | .4985E+01 | .5899E+01 | .1970E+04 | .2378E+04 | .7830E+03 | .8864E+03 | -.2002E+03 | .1935E+03 | D09075.BIS |
| 4.00 | 0.572 | 0.268 | .1959E+03 | .6215E+01 | .6291E+01 | .2100E+04 | .2222E+04 | .7790E+03 | .9295E+03 | -.2038E+03 | .1906E+03 | D09075.BIS |
| 5.00 | 0.642 | 0.285 | .1756E+03 | .5369E+01 | .6565E+01 | .2150E+04 | .2163E+04 | .6881E+03 | .9788E+03 | -.1377E+03 | .1678E+03 | D09075.BIS |
| 6.00 | 0.714 | 0.303 | .1578E+03 | .3618E+01 | .7266E+01 | .2340E+04 | .2061E+04 | .6290E+03 | .1100E+04 | -.6226E+02 | .1570E+03 | D09075.BIS |
| 7.00 | 0.786 | 0.321 | .1404E+03 | .2075E+00 | .5976E+01 | .2430E+04 | .1996E+04 | .5732E+03 | .1131E+04 | .8307E+01 | .1706E+03 | D09075.BIS |
| 8.00 | 0.857 | 0.339 | .1285E+03 | -.7688E+00 | .5459E+01 | .2220E+04 | .1892E+04 | .5243E+03 | .1021E+04 | .1714E+01 | .1747E+03 | D09075.BIS |
| 9.00 | 0.928 | 0.357 | .1186E+03 | -.2861E+01 | .6335E+01 | .2130E+04 | .1668E+04 | .4569E+03 | .9677E+03 | .1113E+02 | .1635E+03 | D09075.BIS |
| 0.20 | 0.299 | 0.399 | .3217E+03 | -.1124E+01 | -.6321E+00 | .3730E+01 | .1185E+02 | .3450E+01 | -.2341E+01 | -.6933E+00 | -.2959E+01 | D09085.BIS |
| 1.00 | 0.357 | 0.429 | .3214E+03 | .1899E+00 | .6208E+00 | .2020E+02 | .3069E+02 | .1380E+02 | -.3841E+01 | -.1032E+01 | -.7938E+01 | D09085.BIS |
| 2.00 | 0.428 | 0.464 | .3083E+03 | .1062E+01 | .4265E+01 | .4810E+03 | .4011E+03 | .2690E+03 | .2005E+03 | .7530E+01 | -.1198E+02 | D09085.BIS |
| 3.00 | 0.500 | 0.500 | .2501E+03 | -.8767E+00 | .7117E+01 | .1820E+04 | .1417E+04 | .7537E+03 | .7867E+03 | .9245E+02 | .9590E+02 | D09085.BIS |
| 4.00 | 0.572 | 0.535 | .2063E+03 | -.8430E+00 | .1016E+02 | .1990E+04 | .1529E+04 | .7238E+03 | .8321E+03 | .1572E+03 | .1756E+03 | D09085.BIS |
| 5.00 | 0.642 | 0.571 | .1766E+03 | -.2507E+01 | .1151E+02 | .2090E+04 | .3308E+04 | .6440E+03 | .1160E+04 | .2584E+03 | .4354E+03 | D09085.BIS |
| 6.00 | 0.714 | 0.607 | .1577E+03 | -.2272E+01 | .1012E+02 | .2250E+04 | .2737E+04 | .5642E+03 | .1080E+04 | .2408E+03 | .3497E+03 | D09085.BIS |
| 7.00 | 0.786 | 0.642 | .1464E+03 | -.1231E+01 | .9481E+01 | .2270E+04 | .2356E+04 | .5049E+03 | .9563E+03 | .1751E+03 | .2964E+03 | D09085.BIS |
| 8.00 | 0.857 | 0.678 | .1342E+03 | -.3873E+00 | .7799E+01 | .2350E+04 | .2310E+04 | .4804E+03 | .1031E+04 | .1729E+03 | .3045E+03 | D09085.BIS |
| 9.00 | 0.928 | 0.714 | .1282E+03 | .3102E+01 | .6224E+01 | .2240E+04 | .2300E+04 | .4561E+03 | .1110E+04 | .1826E+03 | .2769E+03 | D09085.BIS |
| 0.20 | 0.299 | 0.599 | .3224E+03 | -.3513E+01 | -.1047E+01 | .4220E+01 | .1644E+02 | .3820E+01 | -.2930E+01 | -.7299E+00 | -.4054E+01 | D09095.BIS |
| 1.00 | 0.357 | 0.642 | .3227E+03 | -.3828E+01 | -.9070E+00 | .1240E+02 | .1682E+02 | .8637E+01 | -.2872E+01 | -.3625E-01 | -.3093E+01 | D09095.BIS |
| 2.00 | 0.428 | 0.696 | .3011E+03 | -.3718E+00 | -.8065E-01 | .6671E+03 | .5095E+03 | .3080E+03 | .2078E+03 | .2218E+02 | .2020E+02 | D09095.BIS |
| 3.00 | 0.500 | 0.750 | .2210E+03 | .6464E+01 | .7498E+01 | .2110E+04 | .1457E+04 | .6960E+03 | .7493E+03 | .1969E+02 | .3635E+02 | D09095.BIS |
| 4.00 | 0.572 | 0.803 | .1875E+03 | .1196E+02 | .8071E+01 | .2230E+04 | .2975E+04 | .6190E+03 | .1131E+04 | .3792E+02 | .2851E+03 | D09095.BIS |

TABLE 5
Continued

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|-------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 5.00 | 0.642 | 0.856 | .1585E+03 | .1026E+02 | .6711E+01 | .2150E+04 | .2887E+04 | .5148E+03 | .1199E+04 | .6252E+02 | .2223E+03 | D09095.BIS |
| 6.00 | 0.714 | 0.910 | .1425E+03 | .8613E+01 | .7182E+01 | .2180E+04 | .2584E+04 | .4661E+03 | .1140E+04 | .9933E+02 | .1946E+03 | D09095.BIS |
| 7.00 | 0.786 | 0.964 | .1307E+03 | .6689E+01 | .6749E+01 | .2150E+04 | .2318E+04 | .4218E+03 | .1049E+04 | .1249E+03 | .1906E+03 | D09095.BIS |
| 8.00 | 0.857 | 1.018 | .1183E+03 | .4835E+01 | .7177E+01 | .2000E+04 | .2032E+04 | .3962E+03 | .9696E+03 | .1802E+03 | .1985E+03 | D09095.BIS |
| 9.00 | 0.928 | 1.071 | .1084E+03 | .2285E+01 | .6925E+01 | .1740E+04 | .1757E+04 | .3358E+03 | .8461E+03 | .1438E+03 | .1543E+03 | D09095.BIS |
| 10.00 | 1.000 | 1.124 | .1017E+03 | .2283E+01 | .6670E+01 | .1620E+04 | .1613E+04 | .3131E+03 | .7335E+03 | .1551E+03 | .1455E+03 | D09095.BIS |
| 11.00 | 1.071 | 1.178 | .9599E+02 | .2042E+01 | .6837E+01 | .1370E+04 | .1409E+04 | .2780E+03 | .6481E+03 | .1490E+03 | .1457E+03 | D09095.BIS |
| 12.00 | 1.143 | 1.232 | .9488E+02 | .2963E+01 | .7251E+01 | .1260E+04 | .1410E+04 | .2550E+03 | .5880E+03 | .1050E+03 | .1079E+03 | D09095.BIS |
| 13.00 | 1.214 | 1.285 | .9304E+02 | .3147E+01 | .7237E+01 | .1200E+04 | .1190E+04 | .2480E+03 | .5441E+03 | .1180E+03 | .1081E+03 | D09095.BIS |
| 14.00 | 1.286 | 1.339 | .8924E+02 | .2561E+01 | .7105E+01 | .1130E+04 | .1220E+04 | .2300E+03 | .5761E+03 | .1160E+03 | .1080E+03 | D09095.BIS |
| 15.00 | 1.357 | 1.392 | .8613E+02 | .2400E+01 | .7017E+01 | .1030E+04 | .1100E+04 | .2120E+03 | .5030E+03 | .8849E+02 | .8429E+02 | D09095.BIS |
| 16.00 | 1.428 | 1.446 | .8376E+02 | .1744E+01 | .7245E+01 | .9451E+03 | .1031E+04 | .2040E+03 | .4853E+03 | .9791E+02 | .9188E+02 | D09095.BIS |
| 17.00 | 1.500 | 1.500 | .8184E+02 | .1602E+01 | .7189E+01 | .9120E+03 | .9524E+03 | .1920E+03 | .4291E+03 | .1010E+03 | .9525E+02 | D09095.BIS |
| 18.00 | 1.572 | 1.553 | .8556E+02 | .3422E+00 | .6611E+01 | .8790E+03 | .1100E+04 | .2080E+03 | .4448E+03 | .7589E+02 | .1111E+03 | D09095.BIS |
| 19.00 | 1.642 | 1.607 | .8365E+02 | .4635E+00 | .6520E+01 | .8140E+03 | .9790E+03 | .2010E+03 | .4359E+03 | .7018E+02 | .1011E+03 | D09095.BIS |
| 20.00 | 1.714 | 1.660 | .8331E+02 | .1155E+01 | .6916E+01 | .7789E+03 | .9667E+03 | .1980E+03 | .4319E+03 | .7962E+02 | .1049E+03 | D09095.BIS |
| 0.20 | 0.299 | 0.799 | .3224E+03 | -.2555E+01 | .4851E+00 | .4080E+01 | .4238E+02 | .4420E+01 | -.6040E+01 | -.3889E+00 | -.8093E+01 | D09105.BIS |
| 1.00 | 0.357 | 0.857 | .3225E+03 | -.3136E+01 | .5551E+00 | .4130E+02 | .4675E+02 | .3260E+02 | -.3225E+01 | -.9086E+00 | -.7174E+01 | D09105.BIS |
| 2.00 | 0.428 | 0.928 | .2806E+03 | .1131E+02 | .1022E+02 | .1070E+04 | .1085E+04 | .5480E+03 | .1291E+03 | .1430E+03 | -.1046E+03 | D09105.BIS |
| 3.00 | 0.500 | 1.000 | .2002E+03 | .1667E+02 | .1320E+02 | .1690E+04 | .1468E+04 | .5939E+03 | .5258E+03 | .2969E+03 | .3715E+02 | D09105.BIS |
| 4.00 | 0.572 | 1.071 | .1516E+03 | .1139E+02 | .1188E+02 | .1790E+04 | .2291E+04 | .4851E+03 | .8577E+03 | .2431E+03 | .2867E+03 | D09105.BIS |
| 5.00 | 0.642 | 1.143 | .1280E+03 | .7229E+01 | .1036E+02 | .1760E+04 | .2264E+04 | .4289E+03 | .8096E+03 | .2729E+03 | .2397E+03 | D09105.BIS |
| 6.00 | 0.714 | 1.214 | .1131E+03 | .5233E+01 | .1069E+02 | .1610E+04 | .1967E+04 | .3638E+03 | .6812E+03 | .2468E+03 | .2205E+03 | D09105.BIS |
| 7.00 | 0.786 | 1.285 | .1014E+03 | .2749E+01 | .1016E+02 | .1430E+04 | .1620E+04 | .3010E+03 | .5989E+03 | .2179E+03 | .1639E+03 | D09105.BIS |
| 8.00 | 0.857 | 1.357 | .9367E+02 | .8588E+00 | .8974E+01 | .1230E+04 | .1409E+04 | .2799E+03 | .5929E+03 | .2170E+03 | .1788E+03 | D09105.BIS |
| 9.00 | 0.928 | 1.428 | .8822E+02 | .3649E+00 | .8488E+01 | .1090E+04 | .1250E+04 | .2440E+03 | .4650E+03 | .1690E+03 | .1398E+03 | D09105.BIS |
| 0.20 | 0.300 | 1.000 | .3872E+03 | .1112E+02 | -.1028E+02 | .3060E+03 | .5296E+03 | .2800E+03 | -.6405E+02 | .4202E+02 | -.1176E+03 | D09115.BIS |
| 1.00 | 0.357 | 1.071 | .1349E+03 | .4894E+01 | .1362E+02 | .7720E+04 | .6964E+04 | .2190E+04 | .1220E+04 | .2080E+04 | .6504E+03 | D09115.BIS |
| 0.20 | 0.401 | -0.200 | .3223E+03 | -.2063E+01 | .2644E+01 | .5080E+01 | .7142E+02 | .6270E+01 | -.1158E+02 | .1477E+00 | -.1159E+02 | D10055.BIS |
| 1.00 | 0.476 | -0.214 | .2655E+03 | .2614E+01 | .4108E+01 | .1620E+04 | .1179E+04 | .6552E+03 | .6362E+03 | .2555E+02 | .8559E+02 | D10055.BIS |
| 2.00 | 0.571 | -0.232 | .1457E+03 | .4688E+01 | .6455E+01 | .2350E+04 | .3213E+04 | .5562E+03 | .1281E+04 | .5760E+02 | .3591E+03 | D10055.BIS |
| 3.00 | 0.666 | -0.250 | .1107E+03 | .1073E+01 | .5874E+01 | .2280E+04 | .2329E+04 | .4109E+03 | .1230E+04 | .1199E+03 | .2737E+03 | D10055.BIS |
| 0.20 | 0.401 | 0.000 | .3220E+03 | .3430E-01 | .3131E+01 | .5200E+01 | .1688E+03 | .5630E+01 | -.1742E+02 | -.5260E-01 | -.1895E+02 | D10065.BIS |
| 1.00 | 0.476 | 0.000 | .2807E+03 | .7509E+01 | .1232E+00 | .1260E+04 | .1004E+04 | .6280E+03 | .4701E+03 | .6760E+02 | .8766E+02 | D10065.BIS |
| 2.00 | 0.571 | 0.000 | .1498E+03 | .3890E+01 | .7606E+01 | .2780E+04 | .3420E+04 | .5675E+03 | .1659E+04 | .1062E+03 | .3169E+03 | D10065.BIS |
| 3.00 | 0.666 | 0.000 | .1087E+03 | -.1285E+01 | .5609E+01 | .2200E+04 | .2331E+04 | .4200E+03 | .1158E+04 | .1216E+03 | .2984E+03 | D10065.BIS |
| 0.20 | 0.401 | 0.200 | .3215E+03 | -.8652E+00 | .5219E+01 | .5450E+01 | .1528E+03 | .5180E+01 | -.1443E+02 | -.1130E+01 | -.1623E+02 | D10075.BIS |
| 1.00 | 0.476 | 0.214 | .2588E+03 | .1686E+01 | .8681E+01 | .1630E+04 | .1187E+04 | .6041E+03 | .7209E+03 | .3227E+02 | .1246E+03 | D10075.BIS |
| 2.00 | 0.571 | 0.232 | .1767E+03 | .1089E+02 | .6987E+01 | .2200E+04 | .1404E+04 | .6033E+03 | .9179E+03 | -.6668E+02 | .7562E+02 | D10075.BIS |
| 3.00 | 0.666 | 0.250 | .1407E+03 | .4112E+01 | .6096E+01 | .2350E+04 | .2540E+04 | .4907E+03 | .1160E+04 | -.1820E+02 | .2528E+03 | D10075.BIS |
| 0.20 | 0.401 | 0.600 | .3220E+03 | .1292E-01 | -.2581E+01 | .9448E+01 | .2756E+02 | .1290E+02 | -.4081E+01 | -.5959E+01 | -.8094E+01 | D10095.BIS |
| 1.00 | 0.476 | 0.642 | .2948E+03 | .2895E+01 | -.2431E+00 | .8240E+03 | .7574E+03 | .4660E+03 | .3530E+03 | .9921E+02 | .3481E+02 | D10095.BIS |
| 2.00 | 0.571 | 0.696 | .1694E+03 | .1564E+01 | .1044E+02 | .2430E+04 | .3385E+04 | .6289E+03 | .1279E+04 | .2227E+03 | .4088E+03 | D10095.BIS |
| 3.00 | 0.666 | 0.750 | .1198E+03 | -.3469E+01 | .8520E+01 | .2260E+04 | .2358E+04 | .4589E+03 | .1079E+04 | .2357E+03 | .2849E+03 | D10095.BIS |
| 0.20 | 0.400 | 1.000 | .3156E+03 | .6095E+01 | .1087E+01 | .2970E+03 | .4286E+03 | .2050E+03 | -.7498E+02 | .7447E+02 | -.3854E+02 | D10115.BIS |
| 1.00 | 0.476 | 1.071 | .1289E+03 | .6441E+00 | .1443E+02 | .2170E+04 | .1957E+04 | .6277E+03 | .7485E+03 | .6228E+03 | .3064E+03 | D10115.BIS |

TABLE 6

1x2 Ratio Nozzle Mach# = 0.09 Initial Conditions WFv Data

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|------|-------|--------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 0.20 | 0.480 | 0.970 | .5841E+01 | .1406E+00 | .1330E+00 | .1632E+01 | .1195E+01 | .4409E+00 | -.4954E+00 | -.5422E-01 | -.1979E+00 | C11118.BIS |
| 0.20 | 0.470 | 0.950 | .1196E+02 | .1201E+01 | -.3439E+00 | .4103E+01 | .2291E+01 | .6962E+00 | -.5790E+00 | .6016E-01 | .1110E+00 | C11118.BIS |
| 0.20 | 0.460 | 0.930 | .2352E+02 | -.3613E+01 | .7490E+00 | .5287E+01 | .2471E+01 | .6639E+00 | -.1148E+01 | .4050E+00 | .1272E+00 | C11118.BIS |
| 0.20 | 0.450 | 0.910 | .2047E+02 | -.3235E+01 | .7483E+00 | .6536E+01 | .3301E+01 | .9794E+00 | -.5027E+00 | -.1924E-01 | .8849E+00 | C11118.BIS |
| 0.20 | 0.440 | 0.890 | .2167E+02 | -.3287E+00 | -.1504E+00 | .4079E+01 | .3600E+01 | .2028E+00 | .2106E-01 | .2032E+00 | .1599E+00 | C11118.BIS |
| 0.20 | 0.430 | 0.870 | .2979E+02 | .4731E+00 | -.4511E+00 | .3125E+00 | .3125E+00 | .1468E+00 | -.4500E-01 | -.1023E-01 | -.7928E-01 | C11118.BIS |
| 0.20 | 0.420 | 0.850 | .3020E+02 | .3399E+00 | -.3621E+00 | .9865E-01 | .8232E+00 | .1222E+00 | .8197E-01 | -.3921E-01 | -.9897E-01 | C11118.BIS |
| 0.20 | 0.410 | 0.830 | .3003E+02 | .4317E+00 | -.2916E+00 | .1394E+00 | .5131E+00 | .1372E+00 | .1306E+00 | -.4178E-01 | -.1146E+00 | C11118.BIS |
| 0.20 | 0.000 | 0.999 | .6825E+01 | -.5110E-01 | .5768E+00 | .2070E+01 | .1597E+01 | .1502E+01 | .4800E+00 | .8488E+00 | -.2159E+00 | E06118.BIS |
| 0.20 | 0.000 | 1.010 | .1591E+01 | -.1367E+01 | -.2369E-01 | .8478E+00 | .1300E+01 | .1226E+01 | .1140E+00 | .6968E-01 | -.2880E+00 | E06118.BIS |
| 0.20 | 0.000 | 1.020 | .1346E+01 | -.1506E+01 | .6829E-02 | .4699E+00 | .1301E+01 | .4808E+00 | .2503E+00 | -.6455E-02 | -.3567E+00 | E06118.BIS |
| 0.20 | 0.000 | 1.030 | .1265E+01 | -.1593E+01 | -.1052E-02 | .2189E+00 | .8572E+00 | .1860E+00 | .1659E+00 | -.1415E-01 | -.2179E+00 | E06118.BIS |
| 0.20 | 0.400 | 0.999 | .6146E+01 | .9342E+00 | .1589E+00 | .1309E+01 | .2113E+01 | .3228E+00 | .5066E+00 | .1898E+00 | -.3823E+00 | E10118.BIS |
| 0.20 | 0.400 | 1.010 | .1845E+01 | -.1692E+01 | .8270E-01 | .3693E+00 | .8279E+00 | .2450E+00 | .1892E+00 | -.1031E+00 | -.1709E+00 | E10118.BIS |
| 0.20 | 0.400 | 1.020 | .1412E+01 | -.2095E+01 | .1994E-01 | .3740E+00 | .1052E+01 | .1880E+00 | .2151E+00 | -.1314E+00 | -.2518E+00 | E10118.BIS |
| 0.20 | 0.470 | -0.001 | .2993E+02 | .7423E+00 | .2029E-02 | .2051E+00 | .3482E+00 | .9383E-01 | .5952E-01 | -.3250E-01 | -.7739E-01 | E11068.BIS |
| 0.20 | 0.479 | -0.001 | .2844E+02 | .1738E+01 | -.5290E+00 | .5628E+00 | .3361E+00 | .4267E+00 | -.8803E-01 | .9844E-01 | .9387E-01 | E11068.BIS |
| 0.20 | 0.489 | -0.001 | .2171E+02 | .5026E+01 | -.2238E+01 | .4278E+01 | .4951E+01 | .4038E+01 | -.2446E+01 | .7142E+00 | .2783E+01 | E11068.BIS |
| 0.20 | 0.500 | -0.001 | .9920E+01 | .3693E+01 | -.1343E+01 | .3692E+01 | .4999E+01 | .3513E+01 | -.6577E+00 | -.1208E+00 | -.1540E+01 | E11068.BIS |
| 0.20 | 0.509 | -0.001 | .3496E+01 | -.5551E+00 | .9852E-01 | .9282E+00 | .2014E+01 | .3558E+00 | .2271E+00 | .4702E-01 | -.6025E+00 | E11068.BIS |
| 0.20 | 0.520 | -0.001 | .1340E+01 | -.1081E+01 | .1907E+00 | .3095E+00 | .8556E+00 | .1692E+00 | .2164E+00 | -.3913E-01 | -.1763E+00 | E11068.BIS |
| 0.20 | 0.530 | -0.001 | .1264E+01 | -.1234E+01 | .1827E+00 | .1976E+00 | .1301E+01 | .1672E+00 | .2528E+00 | -.1114E-01 | -.2627E+00 | E11068.BIS |
| 0.20 | 0.490 | 0.800 | .2523E+02 | .4069E+01 | -.9896E+00 | .2944E+01 | .3950E+01 | .2478E+01 | -.1939E+01 | .3931E+00 | .2073E+01 | E11108.BIS |
| 0.20 | 0.500 | 0.800 | .1456E+02 | .7441E+01 | -.1705E+01 | .6020E+01 | .6512E+01 | .5894E+01 | -.2613E+01 | -.9959E+00 | .3583E+01 | E11108.BIS |
| 0.20 | 0.509 | 0.800 | .5839E+01 | .1210E+01 | -.1127E+00 | .2560E+01 | .3733E+01 | .1780E+01 | -.8909E+00 | .4768E+00 | -.2044E+01 | E11108.BIS |
| 0.20 | 0.520 | 0.800 | .1479E+01 | -.1021E+01 | .1979E+00 | .3349E+00 | .8263E+00 | .1597E+00 | .1406E+00 | -.5078E-01 | -.2187E+00 | E11108.BIS |
| 0.20 | 0.530 | 0.800 | .1141E+01 | -.1194E+01 | .2282E+00 | .2569E+00 | .8087E+00 | .1596E+00 | .1569E+00 | -.2143E-01 | -.2033E+00 | E11108.BIS |
| 0.20 | 0.500 | 0.999 | .9305E+00 | -.1645E+01 | .7848E+00 | .8803E-01 | .1454E+01 | .1503E+00 | .2130E+00 | -.8732E-02 | -.2746E+00 | E11118.BIS |
| 0.20 | 0.489 | 0.990 | .1112E+01 | -.1440E+01 | .8579E+00 | .1265E+00 | .1399E+01 | .1538E+00 | .1962E+00 | .6622E-02 | -.2811E+00 | E11118.BIS |
| 0.20 | 0.471 | 0.990 | .4698E+01 | -.4935E+00 | .8569E+00 | .1247E+01 | .1052E+01 | .2926E+00 | -.2050E+00 | .1314E+00 | -.3958E+00 | E11118.BIS |
| 0.20 | 0.450 | 0.990 | .5737E+01 | -.1280E+01 | .8761E+00 | .1785E+01 | .1082E+01 | .2086E+00 | .1780E+00 | .3768E+00 | -.1222E+00 | E11118.BIS |
| 0.20 | 0.429 | 0.990 | .8632E+01 | .2568E+01 | -.2764E+00 | .3033E+01 | .5701E+01 | .6012E+00 | .1027E+01 | -.2257E+00 | -.1333E+01 | E11118.BIS |
| 0.20 | 0.410 | 0.990 | .1564E+02 | .2399E+01 | -.2567E+00 | .3934E+01 | .3264E+01 | .9050E+00 | -.1080E+00 | .1368E+00 | -.6998E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.970 | .3216E+01 | -.6114E+00 | .4229E+00 | .1293E+01 | .1524E+01 | .3412E+00 | .1535E+00 | -.1837E+00 | -.2713E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.950 | .6830E+01 | -.2432E+00 | .5475E+00 | .3893E+01 | .2036E+01 | .6223E+00 | .1533E+00 | .7110E+00 | -.1341E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.930 | .1633E+02 | .6717E+01 | -.1042E+01 | .1088E+02 | .8000E+01 | .5652E+01 | -.4467E+01 | -.4284E-01 | .1931E+01 | E11118.BIS |
| 0.20 | 0.490 | 0.910 | .2213E+02 | .6120E+01 | -.9133E+00 | .5160E+01 | .6147E+01 | .4127E+01 | -.3886E+01 | .2156E+00 | .2241E+01 | E11118.BIS |
| 0.20 | 0.490 | 0.890 | .2620E+02 | .3774E+01 | -.1772E+00 | .2161E+01 | .1976E+01 | .1818E+01 | -.1153E+01 | .2336E+00 | .8325E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.870 | .2609E+02 | .3896E+01 | -.4279E+00 | .2565E+01 | .2332E+01 | .2126E+01 | -.1353E+01 | .3382E+00 | .1043E+01 | E11118.BIS |
| 0.20 | 0.490 | 0.850 | .2660E+02 | .3556E+01 | -.3953E+00 | .2608E+01 | .2073E+01 | .1871E+01 | -.1407E+01 | .4570E+00 | .6120E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.830 | .2701E+02 | .3171E+01 | -.4040E+00 | .2338E+01 | .1883E+01 | .1601E+01 | -.1228E+01 | .3069E+00 | .6267E+00 | E11118.BIS |
| 0.20 | 0.490 | 0.810 | .2716E+02 | .3133E+01 | -.4675E+00 | .1779E+01 | .1898E+01 | .1255E+01 | -.1086E+01 | .1478E+00 | .9136E+00 | E11118.BIS |

TABLE 7

1x4 Ratio Nozzle Mach# = 0.09 Initial Conditions WFv Data

| X | Y | Z | \bar{U} | \bar{V} | \bar{W} | \overline{uu} | \overline{vv} | \overline{ww} | \overline{uv} | \overline{uw} | \overline{vw} | File Name |
|------|-------|-------|-----------|------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|
| inch | inch | inch | m/s | m/s | m/s | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | m ² /s ² | |
| 0.20 | 0.000 | 1.020 | .5652E+00 | -.3204E+00 | -.2800E+00 | .3520E+00 | .1591E+00 | .4945E-01 | -.5747E-01 | -.5797E-02 | -.4702E-01 | I0612C.BIS |
| 0.20 | 0.000 | 1.010 | .2473E+01 | -.3810E+00 | -.1578E+00 | .6520E+00 | .1965E+00 | .7370E-01 | -.3844E-01 | .2249E-01 | -.5887E-01 | I0612C.BIS |
| 0.20 | 0.000 | 1.000 | .1298E+02 | -.3296E+00 | .1730E-01 | .1290E+01 | .2332E+00 | .3662E-01 | -.1385E-01 | .4849E-01 | -.6040E-01 | I0612C.BIS |
| 0.20 | 0.000 | 0.990 | .2580E+02 | -.3200E+00 | .1490E+00 | .1510E+01 | .1532E+00 | .6568E-01 | -.3293E-01 | .7216E-01 | -.4694E-01 | I0612C.BIS |
| 0.20 | 0.000 | 0.980 | .3037E+02 | -.4719E+00 | .1730E+00 | .3240E+00 | .1769E+00 | .7227E-01 | -.1719E-01 | .2474E-01 | -.5288E-01 | I0612C.BIS |
| 0.20 | 0.200 | 1.020 | .4863E+00 | -.2177E+00 | -.2980E+00 | .3600E+00 | .2482E+00 | .5640E-01 | -.4775E-01 | .1511E-01 | -.7095E-01 | I1012C.BIS |
| 0.20 | 0.200 | 1.010 | .1812E+01 | -.2779E+00 | -.1704E+00 | .3510E+01 | .2962E+00 | .5025E-01 | -.3726E+00 | .1865E+00 | -.8408E-01 | I1012C.BIS |
| 0.20 | 0.200 | 1.000 | .1009E+02 | -.6891E+00 | .4513E-01 | .1140E+02 | .4880E+00 | .3675E-01 | -.4983E+00 | .3862E+00 | -.9682E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.989 | .1823E+02 | -.8944E+00 | .7378E-01 | .1960E+02 | .3506E+00 | .7372E-01 | -.6239E+00 | .6887E+00 | -.1077E+00 | I1012C.BIS |
| 0.20 | 0.200 | 0.980 | .2419E+02 | -.1005E+01 | .9632E-01 | .1500E+02 | .2721E+00 | .9263E-01 | -.3287E+00 | .5418E+00 | -.8617E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.970 | .2577E+02 | -.5239E+00 | .1455E+00 | .2140E+01 | .2841E+00 | .9151E-01 | -.9948E-01 | .9744E-01 | -.8691E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.960 | .2241E+02 | -.8137E-01 | .6463E-01 | .3360E+01 | .3252E+00 | .6511E-01 | -.2824E+00 | .8548E-01 | -.9292E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.950 | .1997E+02 | -.1228E+00 | -.6190E-01 | .4670E+01 | .3483E+00 | .5390E-01 | -.1219E+00 | .1797E+00 | -.9104E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.940 | .2370E+02 | -.3757E-01 | -.1078E+00 | .1470E+02 | .3480E+00 | .6866E-01 | -.3103E+00 | .4315E+00 | -.9959E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.930 | .2893E+02 | -.9436E-01 | -.7685E-01 | .6540E+01 | .3725E+00 | .8341E-01 | -.8806E-01 | .3124E+00 | -.1093E+00 | I1012C.BIS |
| 0.20 | 0.200 | 0.930 | .2865E+02 | -.1110E+00 | -.8638E-01 | .7390E+01 | .1439E+00 | .7699E-01 | -.9086E-01 | .3329E+00 | -.5025E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.920 | .3046E+02 | -.1782E+00 | -.1414E-01 | .1590E+01 | .1623E+00 | .9297E-01 | -.6637E-01 | .1325E+00 | -.4812E-01 | I1012C.BIS |
| 0.20 | 0.200 | 0.910 | .3099E+02 | -.2382E+00 | .8591E-01 | .3120E+00 | .1492E+00 | .1058E+00 | -.1192E-01 | .1751E-01 | -.3215E-01 | I1012C.BIS |
| 0.20 | 0.260 | 0.000 | .1036E+01 | -.3383E+00 | -.3857E+00 | .7810E+00 | .2091E+00 | .8607E-01 | -.5117E-01 | .1634E-01 | -.6172E-01 | I1206C.BIS |
| 0.20 | 0.250 | 0.000 | .1051E+02 | -.2586E+00 | -.1748E+00 | .2690E+02 | .7012E+00 | .7900E-01 | -.1608E+00 | .3408E+00 | -.1574E+00 | I1206C.BIS |
| 0.20 | 0.240 | 0.000 | .1422E+02 | -.1715E+00 | -.5084E-01 | .2490E+02 | .4698E+00 | .1133E+00 | .4071E+00 | -.8847E-01 | -.1145E+00 | I1206C.BIS |
| 0.20 | 0.229 | 0.000 | .2613E+02 | -.1101E+00 | -.1313E+00 | .1420E+02 | .4534E+00 | .3060E+00 | .4259E+00 | -.4076E+00 | -.7277E-01 | I1206C.BIS |
| 0.20 | 0.220 | 0.000 | .2866E+02 | -.2591E+00 | .1930E+00 | .1120E+02 | .7498E+00 | .6622E+00 | .5852E+00 | -.4864E+00 | .4476E-02 | I1206C.BIS |
| 0.20 | 0.210 | 0.000 | .3054E+02 | -.2457E+00 | -.2494E-01 | .1970E+01 | .7502E+00 | .5071E+00 | .1968E+00 | -.1777E+00 | .3688E-01 | I1206C.BIS |
| 0.20 | 0.201 | 0.000 | .3089E+02 | -.1887E+00 | .3049E+00 | .1060E+01 | .9689E+00 | .1012E+01 | .1635E+00 | -.1458E+00 | -.1188E-02 | I1206C.BIS |
| 0.20 | 0.249 | 0.000 | .8039E+01 | -.2660E+00 | -.2308E+00 | .2150E+02 | .2145E+00 | .1085E+00 | .2301E+00 | .3760E+00 | -.6273E-01 | I1206C.BIS |
| 0.20 | 0.260 | 0.000 | .9918E+00 | -.3525E+00 | -.3815E+00 | .8690E+00 | .1963E+00 | .1255E+00 | .2884E-01 | .1161E-02 | -.4666E-01 | I1206C.BIS |
| 0.20 | 0.260 | 0.800 | .6665E+00 | -.3408E+00 | -.4686E+00 | .6080E+00 | .1945E+00 | .1198E+00 | -.5075E-01 | .3365E-02 | -.4752E-01 | I1210C.BIS |
| 0.20 | 0.250 | 0.800 | .2140E+01 | -.3976E+00 | -.2976E+00 | .2040E+01 | .1766E+00 | .9153E-01 | -.1026E+00 | .8908E-01 | -.5163E-01 | I1210C.BIS |
| 0.20 | 0.240 | 0.800 | .1044E+02 | -.3038E+00 | .4451E+00 | .7830E+01 | .2809E+00 | .4951E-01 | -.1051E+00 | .3270E+00 | -.7658E-01 | I1210C.BIS |
| 0.20 | 0.230 | 0.800 | .2321E+02 | -.1922E+00 | .1014E+01 | .8000E+01 | .1651E+00 | .7869E-01 | -.2468E-01 | .2234E+00 | -.5194E-01 | I1210C.BIS |
| 0.20 | 0.220 | 0.800 | .2927E+02 | -.2078E+00 | .8861E+00 | .1340E+01 | .1632E+00 | .1121E+00 | .8384E-02 | .3668E-01 | -.3735E-01 | I1210C.BIS |
| 0.20 | 0.210 | 0.800 | .3083E+02 | -.2765E+00 | .7243E+00 | .2830E+00 | .1538E+00 | .1393E+00 | -.3712E-02 | .2611E-01 | -.1721E-01 | I1210C.BIS |
| 0.20 | 0.250 | 0.990 | .5791E+00 | -.1238E+00 | -.6402E+00 | .3530E+00 | .4372E+00 | .2714E+00 | -.2654E-01 | -.2708E-01 | -.1055E+00 | I1212C.BIS |
| 0.20 | 0.240 | 0.990 | .1582E+01 | -.1431E+00 | -.5311E+00 | .1550E+01 | .3564E+00 | .1482E+00 | .7560E-01 | -.1043E+00 | -.9880E-01 | I1212C.BIS |
| 0.20 | 0.230 | 0.990 | .8087E+01 | -.5311E+00 | .8361E-01 | .7390E+01 | .6150E+00 | .5685E-01 | -.2418E+00 | .1891E+00 | -.1340E+00 | I1212C.BIS |
| 0.20 | 0.220 | 0.990 | .1459E+02 | -.8745E+00 | .5672E+00 | .1010E+02 | .5434E+00 | .8060E-01 | -.2625E+00 | .5627E+00 | -.1404E+00 | I1212C.BIS |
| 0.20 | 0.210 | 0.990 | .2242E+02 | -.1166E+01 | .8869E+00 | .1030E+02 | .7145E+00 | .8604E-01 | -.1121E+00 | .5842E+00 | -.1659E+00 | I1212C.BIS |
| 0.20 | 0.240 | 0.980 | .3684E+01 | -.2858E+00 | -.3938E+00 | .4420E+01 | .2530E+00 | .1179E+00 | -.1687E+00 | .2209E+00 | -.7986E-01 | I1212C.BIS |
| 0.20 | 0.240 | 0.960 | .9119E+01 | -.3177E+00 | .2439E+00 | .4890E+01 | .3794E+00 | .5471E-01 | -.7779E-01 | .2337E+00 | -.9606E-01 | I1212C.BIS |
| 0.20 | 0.240 | 0.940 | .1070E+02 | -.2480E+00 | .5365E+00 | .6420E+01 | .4095E+00 | .5822E-01 | .3587E-01 | .3131E+00 | -.1008E+00 | I1212C.BIS |
| 0.20 | 0.240 | 0.920 | .1019E+02 | -.2691E+00 | .6123E+00 | .6130E+01 | .4975E+00 | .4982E-01 | -.1183E+00 | .2891E+00 | -.1085E+00 | I1212C.BIS |
| 0.20 | 0.240 | 0.880 | .9379E+01 | -.3376E+00 | .5228E+00 | .5320E+01 | .3926E+00 | .4547E-01 | -.4010E-01 | .2427E+00 | -.9016E-01 | I1212C.BIS |
| 0.20 | 0.240 | 0.840 | .9490E+01 | -.3550E+00 | .5552E+00 | .5780E+01 | .4414E+00 | .4357E-01 | -.8620E-01 | .2347E+00 | -.9566E-01 | I1212C.BIS |
| 0.20 | 0.230 | 0.980 | .1206E+02 | -.5599E+00 | .4575E+00 | .9350E+01 | .1939E+00 | .7323E-01 | -.1477E+00 | .4950E+00 | -.7008E-01 | I1212C.BIS |
| 0.20 | 0.220 | 0.960 | .2813E+02 | -.1760E+00 | .1168E+01 | .1240E+01 | .1984E+00 | .8726E-01 | .2953E-01 | -.1752E-01 | -.5596E-01 | I1212C.BIS |
| 0.20 | 0.210 | 0.940 | .2909E+02 | -.5159E-01 | .5329E+00 | .4310E+01 | .2819E+00 | .1240E+00 | -.1493E+00 | .3120E+00 | -.9294E-01 | I1212C.BIS |
| 0.20 | 0.210 | 0.930 | .3006E+02 | -.9081E-01 | .4848E+00 | .1420E+01 | .1758E+00 | .1426E+00 | -.9601E-01 | .1381E+00 | -.3475E-01 | I1212C.BIS |
| 0.20 | 0.210 | 0.920 | .3046E+02 | -.1634E+00 | .5128E+00 | .6460E+00 | .2226E+00 | .1512E+00 | -.2966E-01 | .4633E-01 | -.5180E-01 | I1212C.BIS |
| 0.20 | 0.210 | 0.910 | .3052E+02 | -.1650E+00 | .5888E+00 | .4190E+00 | .2018E+00 | .1598E+00 | -.1985E-01 | .1530E-03 | -.3366E-01 | I1212C.BIS |

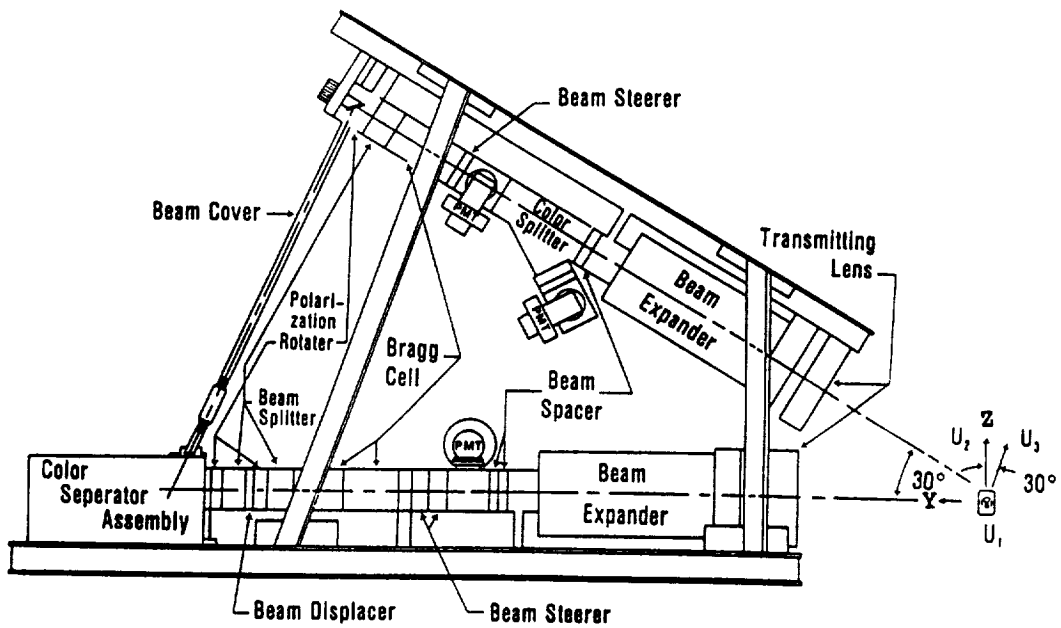
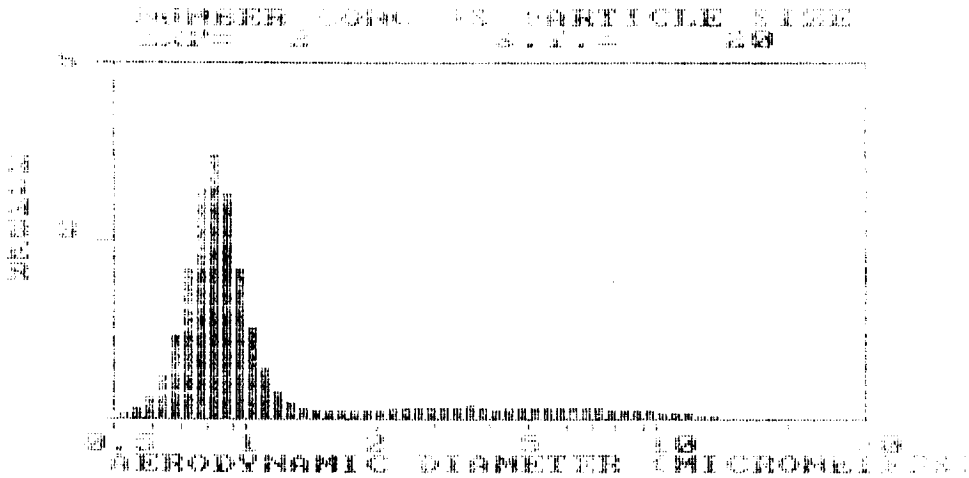


Figure 1

Three Dimensional Laser Doppler Anemometer System



TiO₂ Measured Size Distribution (Aerodynamic Size)
Measurement made at the 1x2 nozzle exit, U_e = 30 m/s

Frequency Response Calculation for TiO₂

The following text and equations are from reference 8.
The particle velocity at any time t, after a step change in fluid velocity is given by the following equation where $\rho_g \ll \rho_p$:

$$\frac{V_g - V_p}{V_{gi} - V_{pi}} = e^{-t/\tau}$$

Where:

V_g = gas velocity after the step change

V_p = particle velocity at time t

V_{gi} and V_{pi} = gas and particle velocity before the step change
and

$$\tau = \frac{\rho_p d_p^2}{18\mu} = \text{relaxation time of the particle}$$

The particle physical diameter (d_p) is related to the aerodynamic diameter (d_{pa}) and specific gravity (SG) by $d_p = d_{pa}/(SG)^{1/2}$. The frequency response can be calculated from τ as follows:

$$f = \frac{1}{2\pi\tau} \left[\frac{1}{A_r^2} - 1 \right]^{1/2}$$

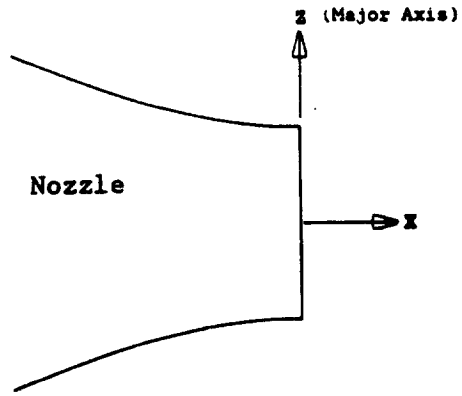
Where A_r = particle oscillation amplitude divided by fluid oscillation amplitude. For A_r = 0.707 (3 db point)

$$f = \frac{1}{2\pi\tau}$$

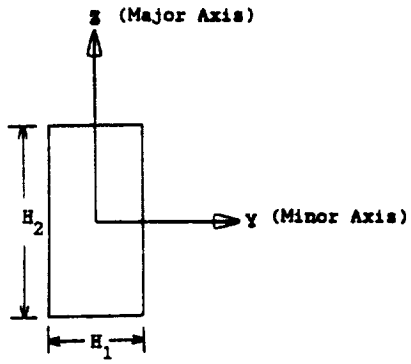
The frequency response of TiO₂ SG = 41. with a d_{pa} of 0.8 μm is 81 kHz.

Figure 2

TiO₂ Measured Size Distribution



Side View



End View

Figure 3
Rectangular Jet Coordinate System

The outline below represents a cross section of the jet.
 Each file name represents a string of data in the axial direction.
 The file name is made up of a letter, four numbers and a three
 letter extension. The first letter is a D or M. The following
 two numbers represent the horizontal position of the string, the
 next two the vertical position. The file extension is used for
 identification in data processing.
 Example - File D0810B is marked with a *.

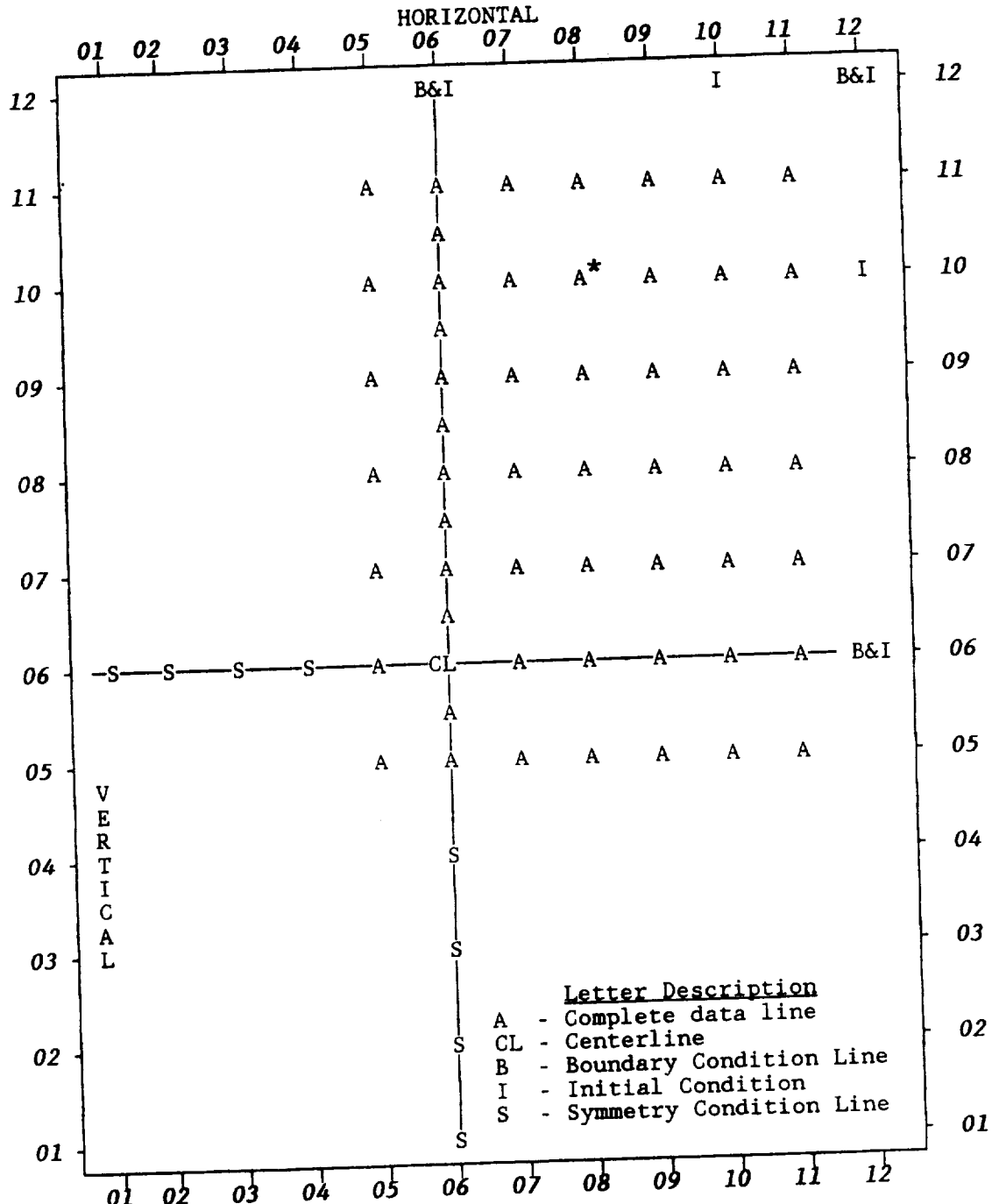


Figure 4
 Rectangular Jet File Coordinate System

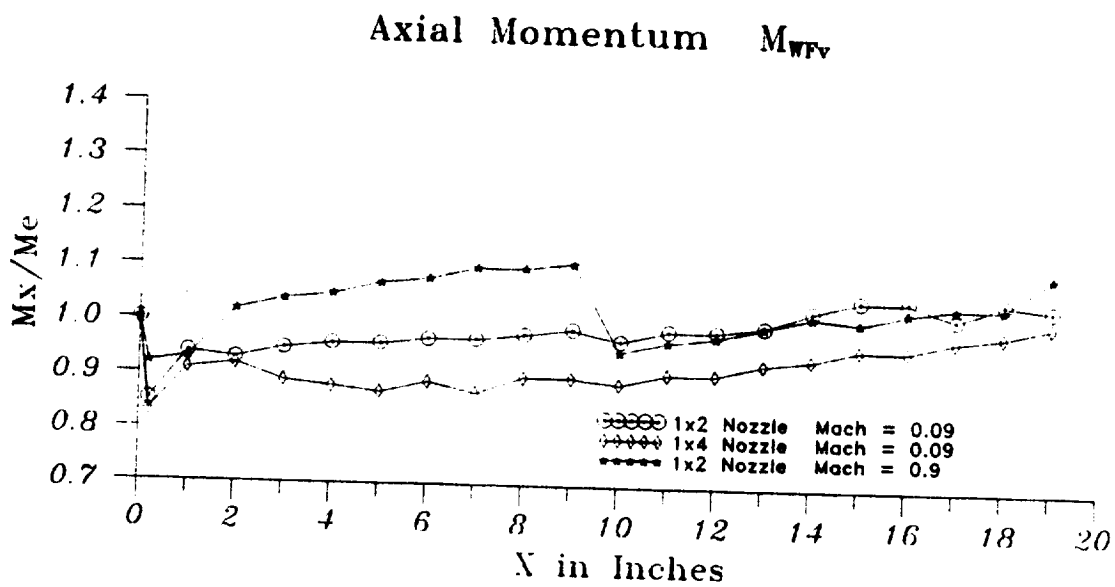
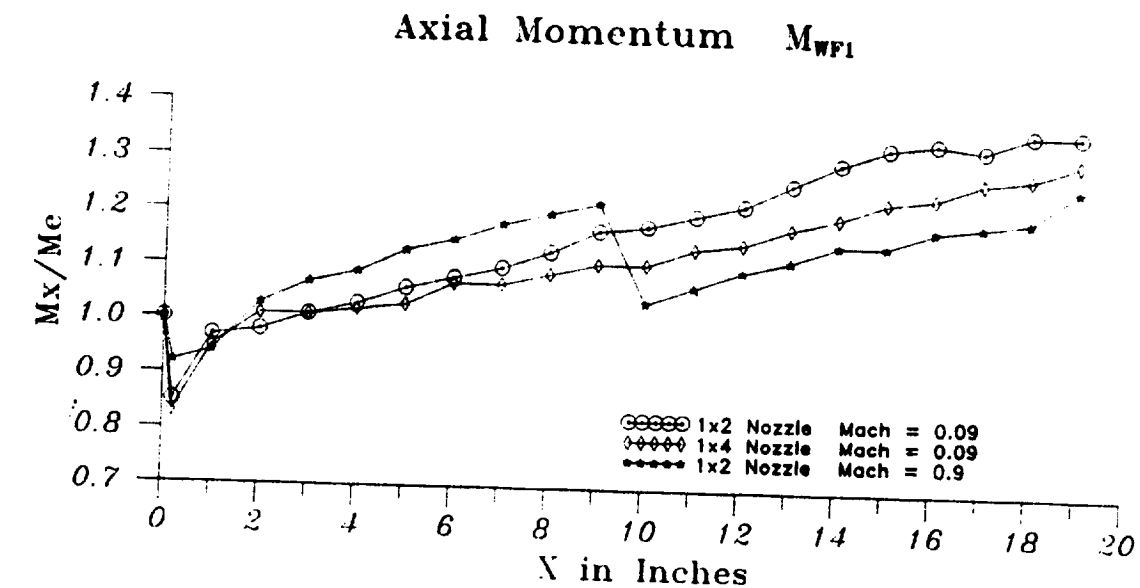


Fig. 5 Rectangular Jet Axial Momentum

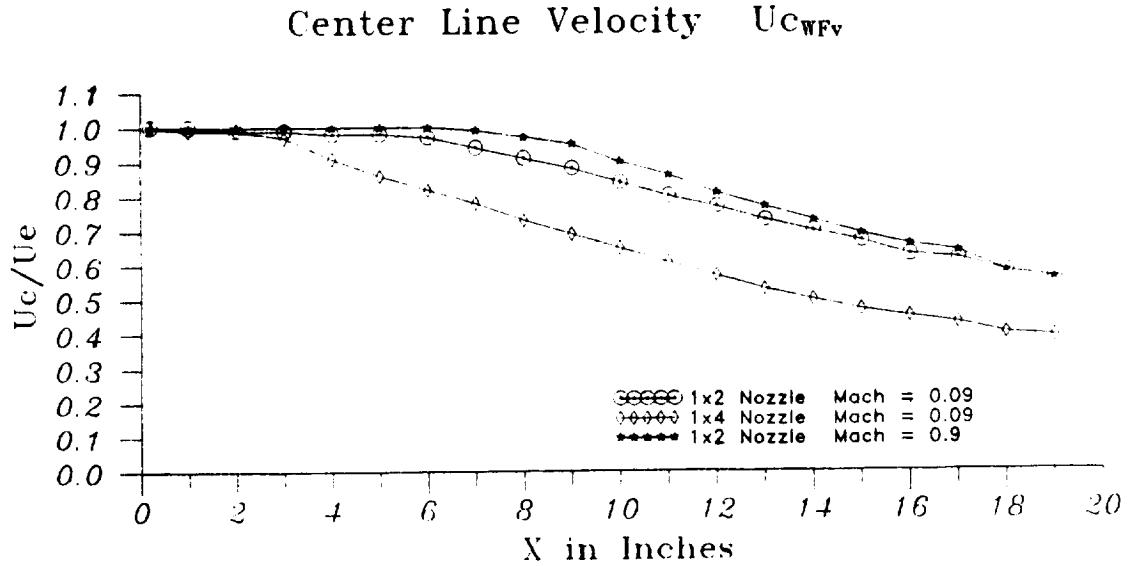
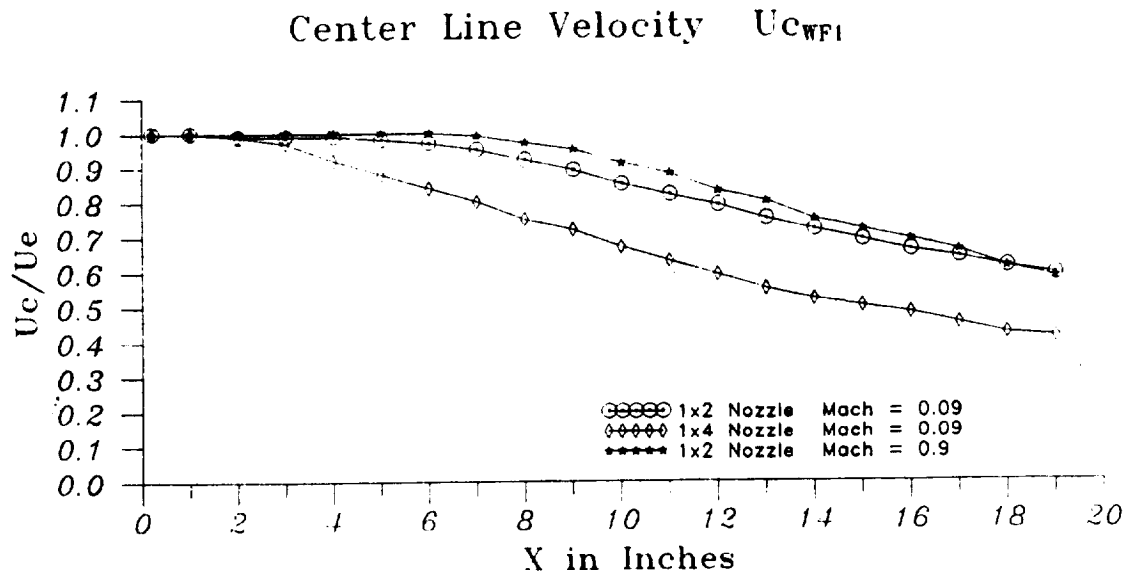


Fig. 6 Rectangular Jet Centerline Velocity

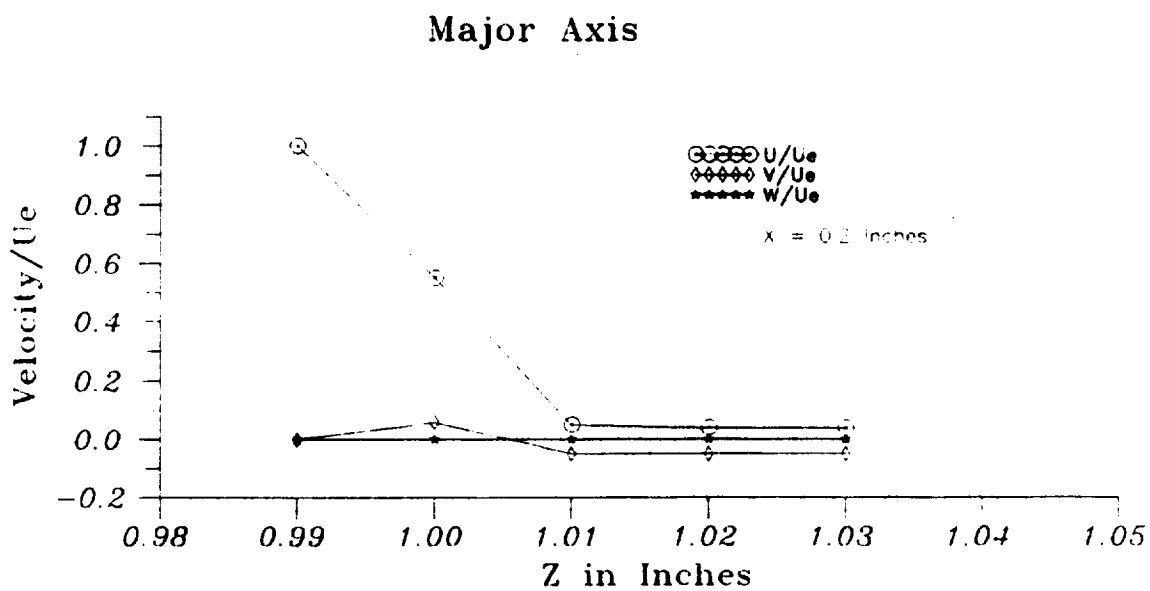
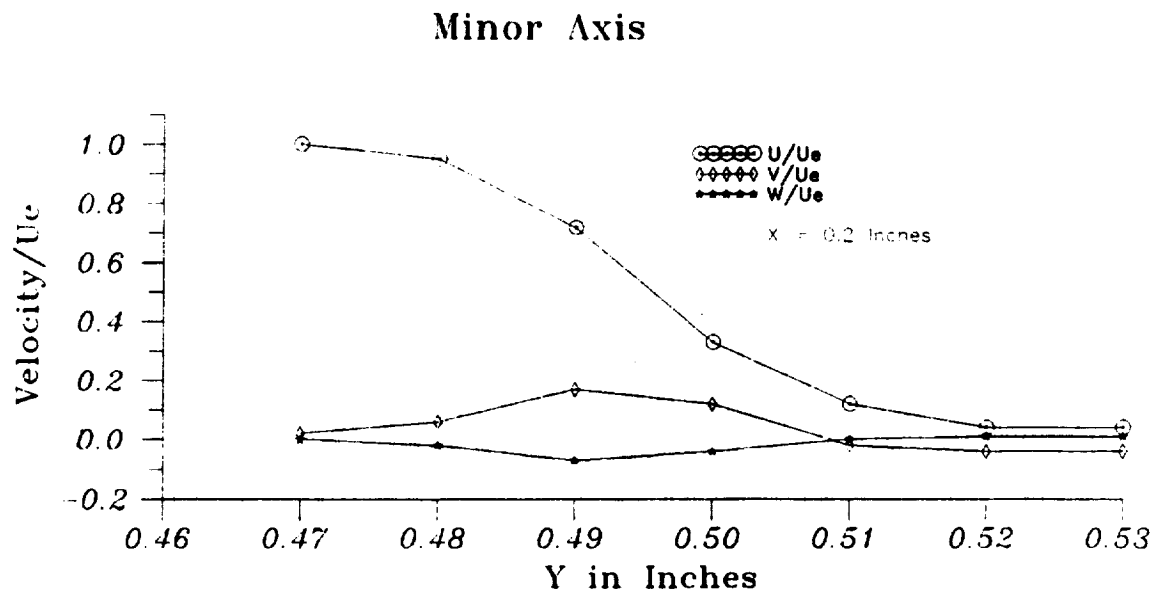
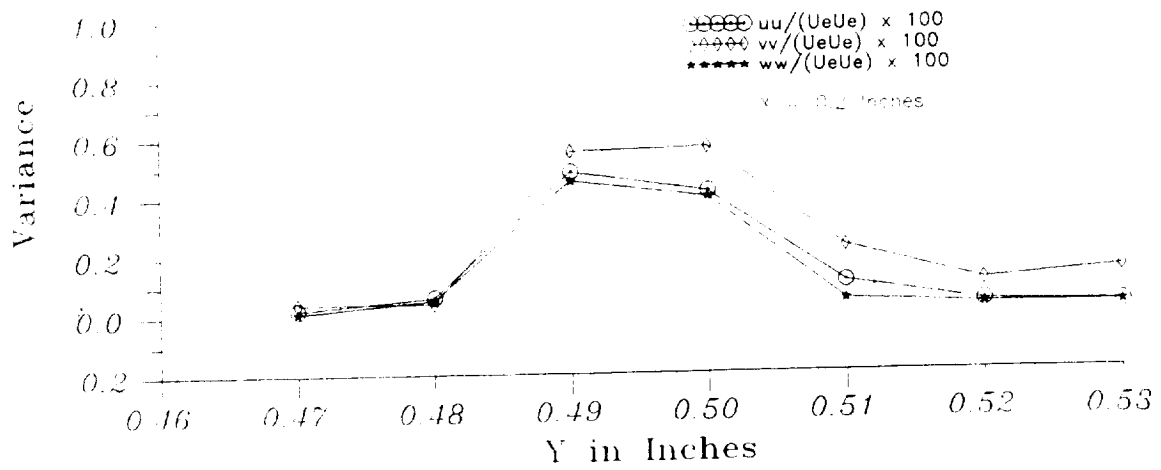


Fig. 7 1x2 Nozzle M=0.09 Initial Conditions
Mean Velocity

Minor Axis



Major Axis

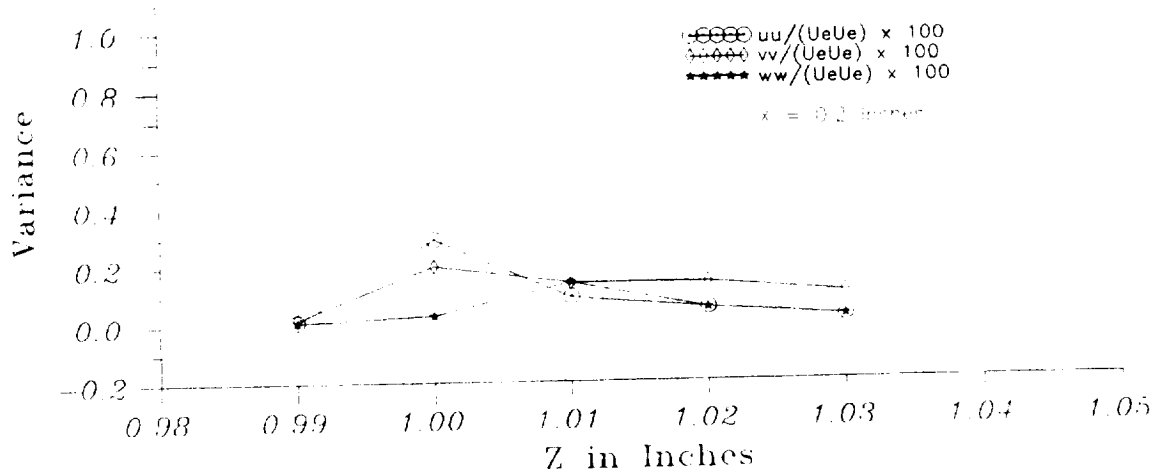


Fig. 10 1x2 Nozzle M=0.09 Initial Conditions
Velocity Variance

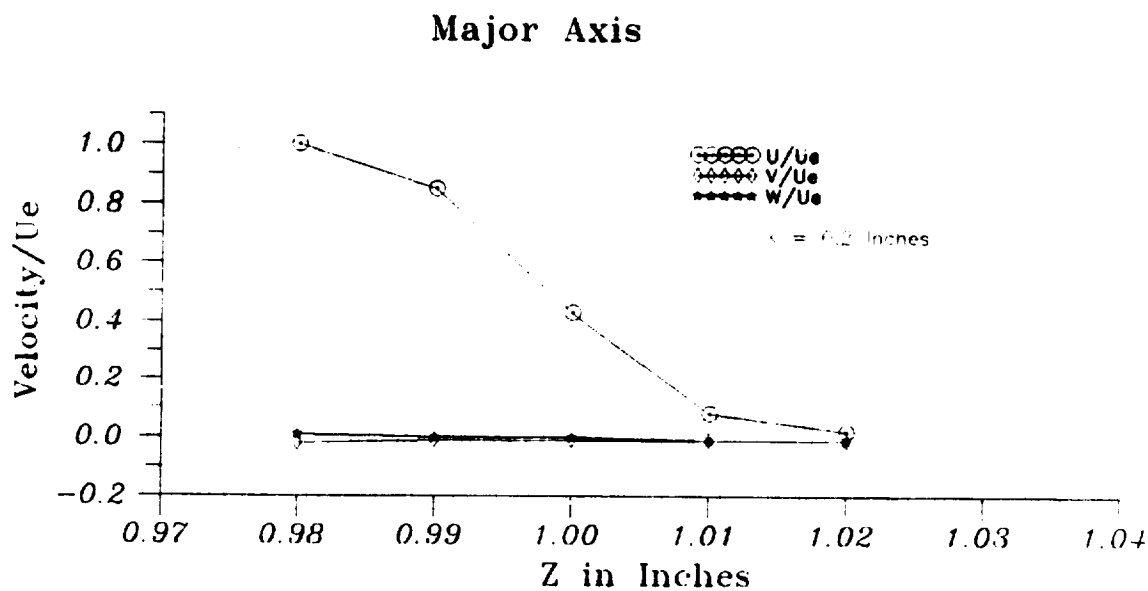
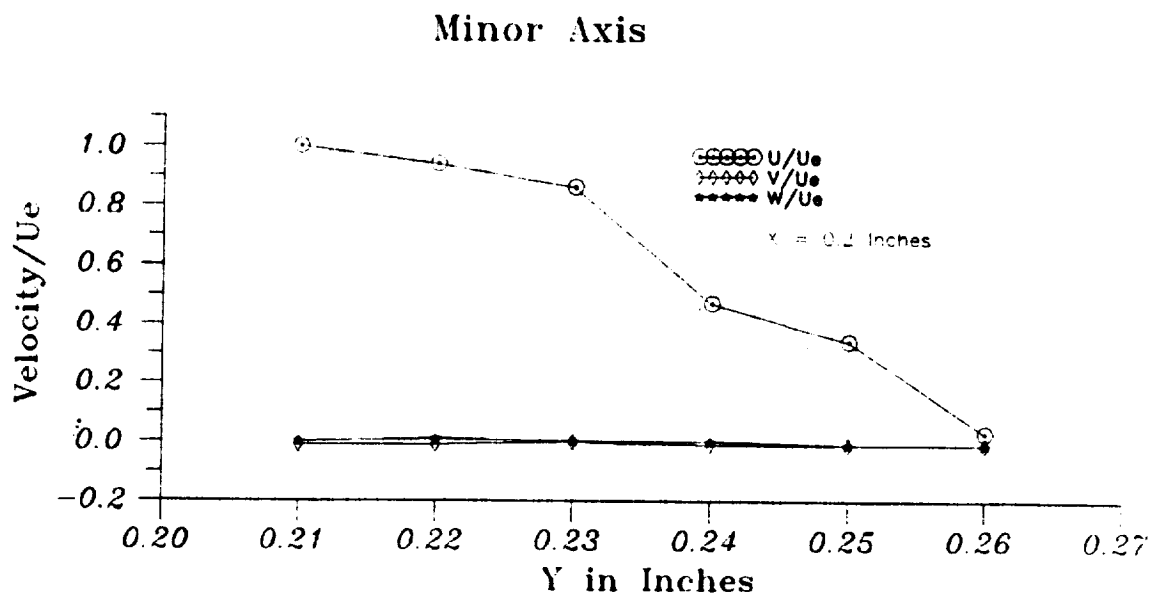


Fig. 9 1x4 Nozzle $M=0.09$ Initial Conditions
Mean Velocity

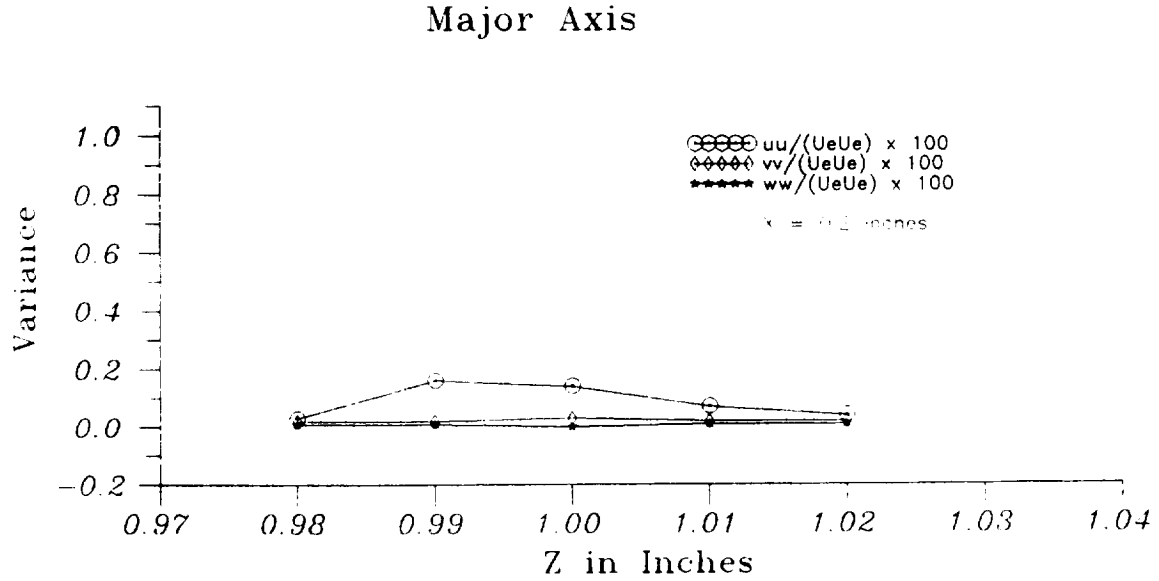
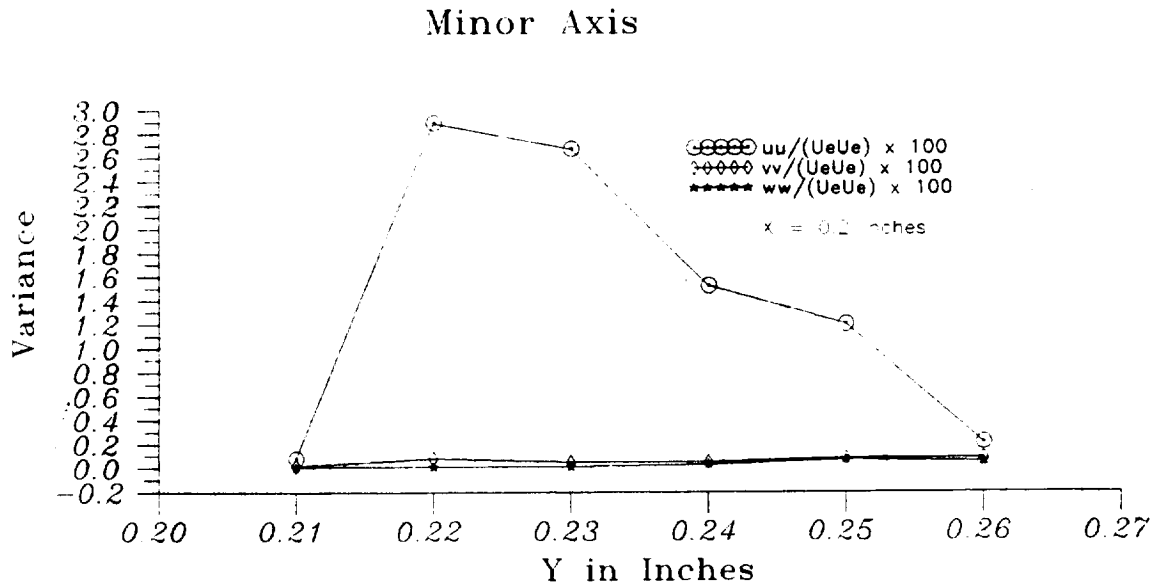
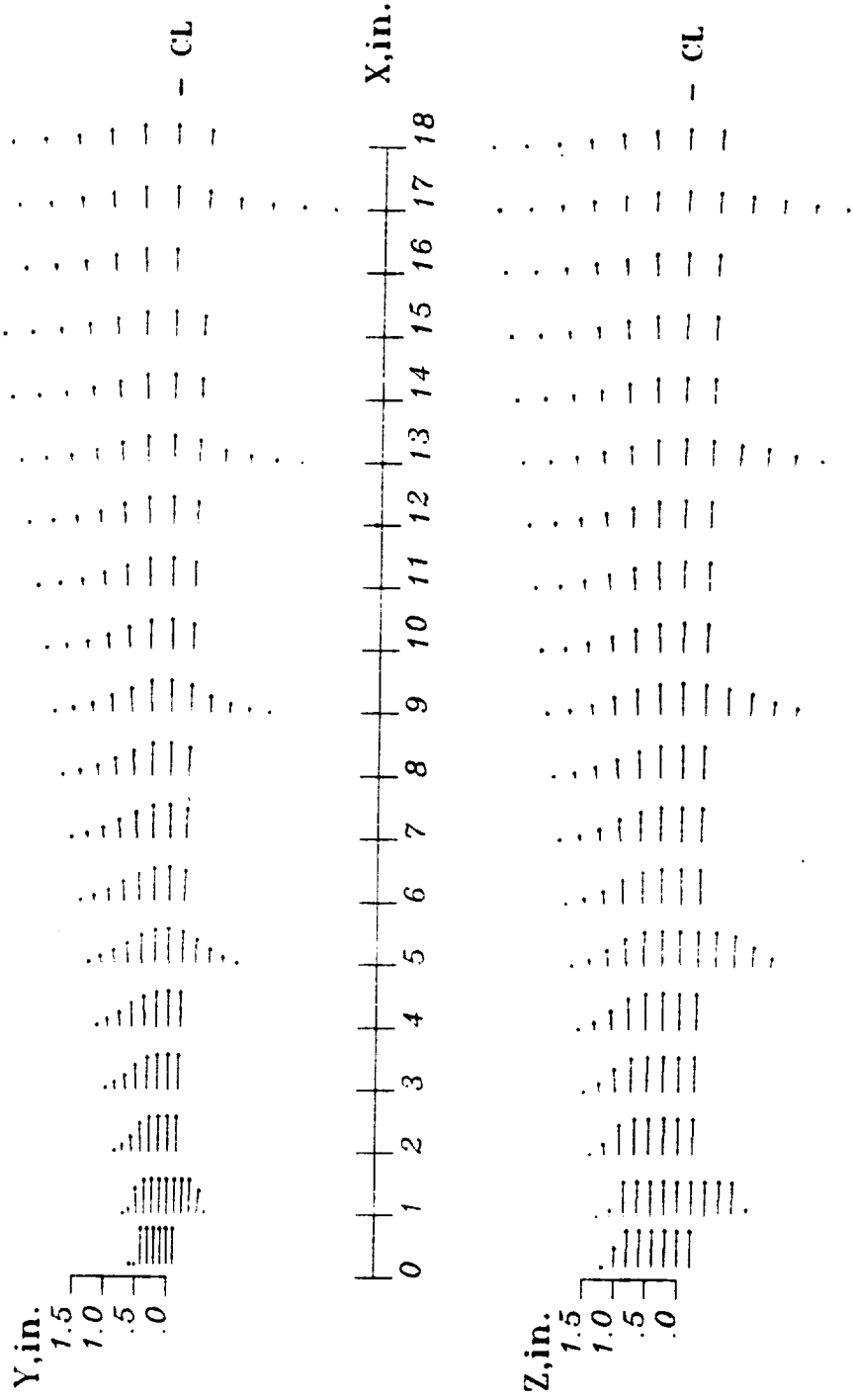


Fig. 10 1x4 Nozzle $M=0.09$ Initial Conditions
Velocity Variance



Spatial Scale 1 to 3 Vector Scale Ue = 1.0
Fig. 11 1X2 Nozzle M=0.09 Velocity Vectors

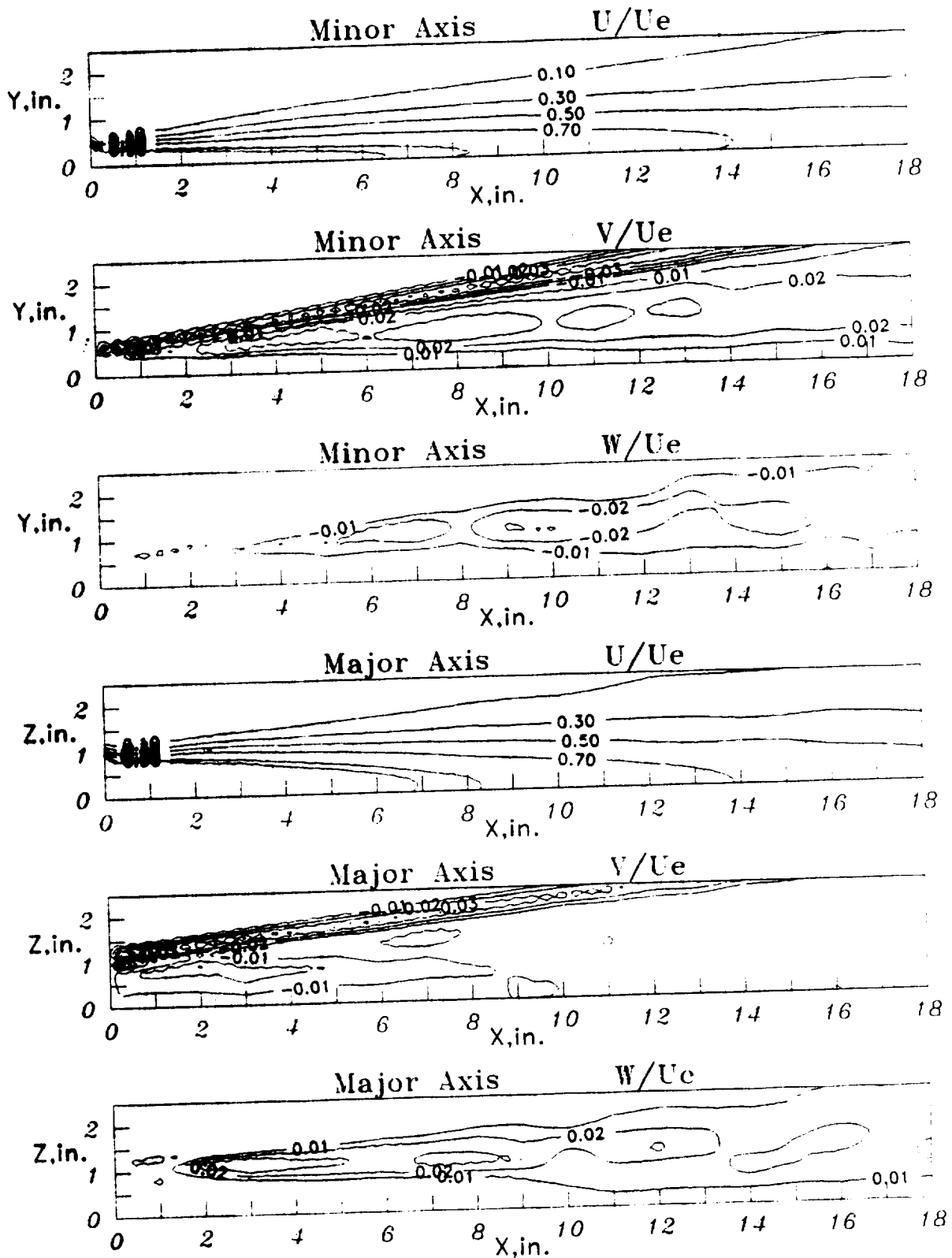


Fig. 12 1x2 Nozzle $M=0.09$ Mean Velocity

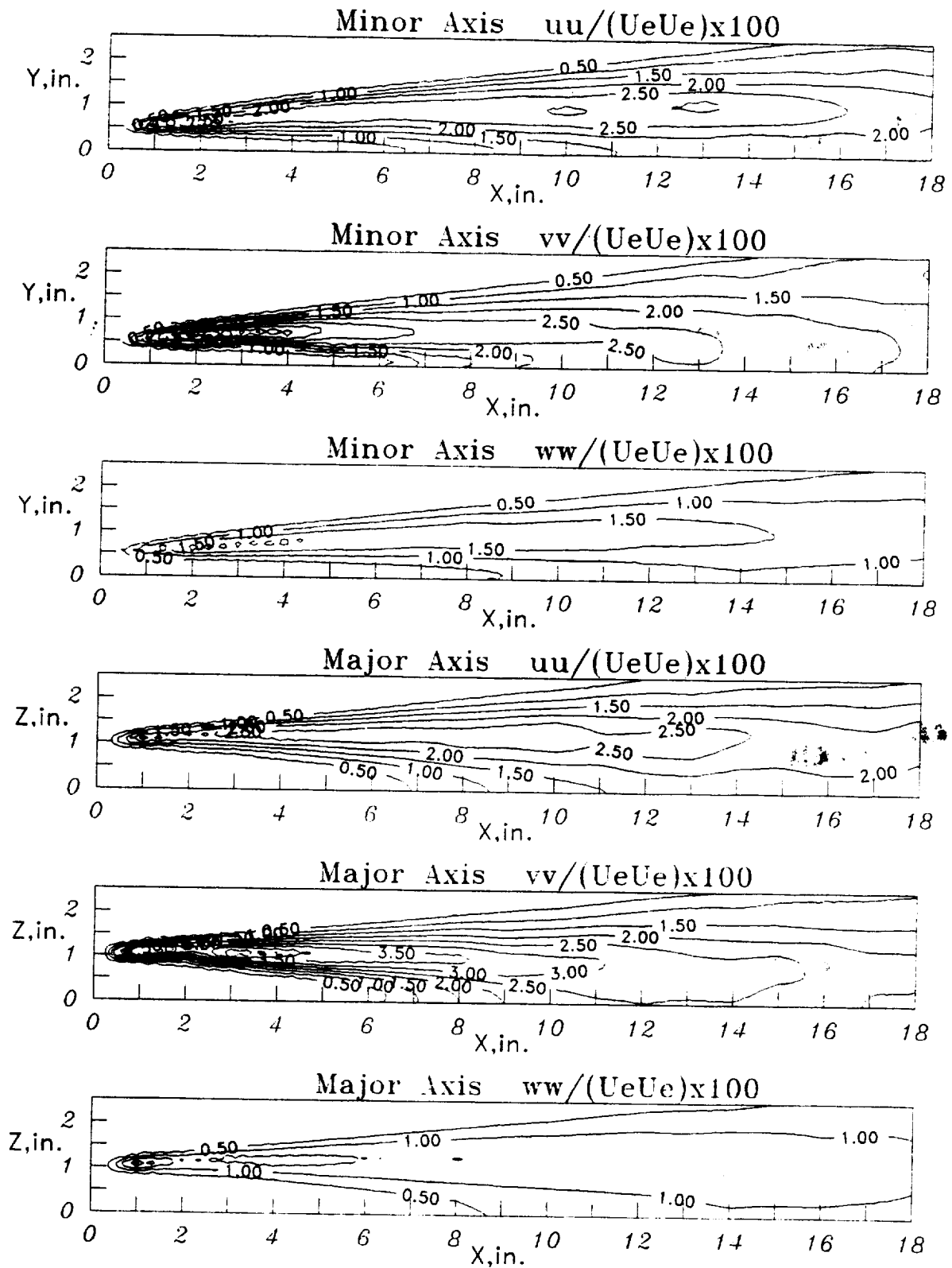


Fig. 13 1x2 Nozzle $M=0.09$ Velocity Variance

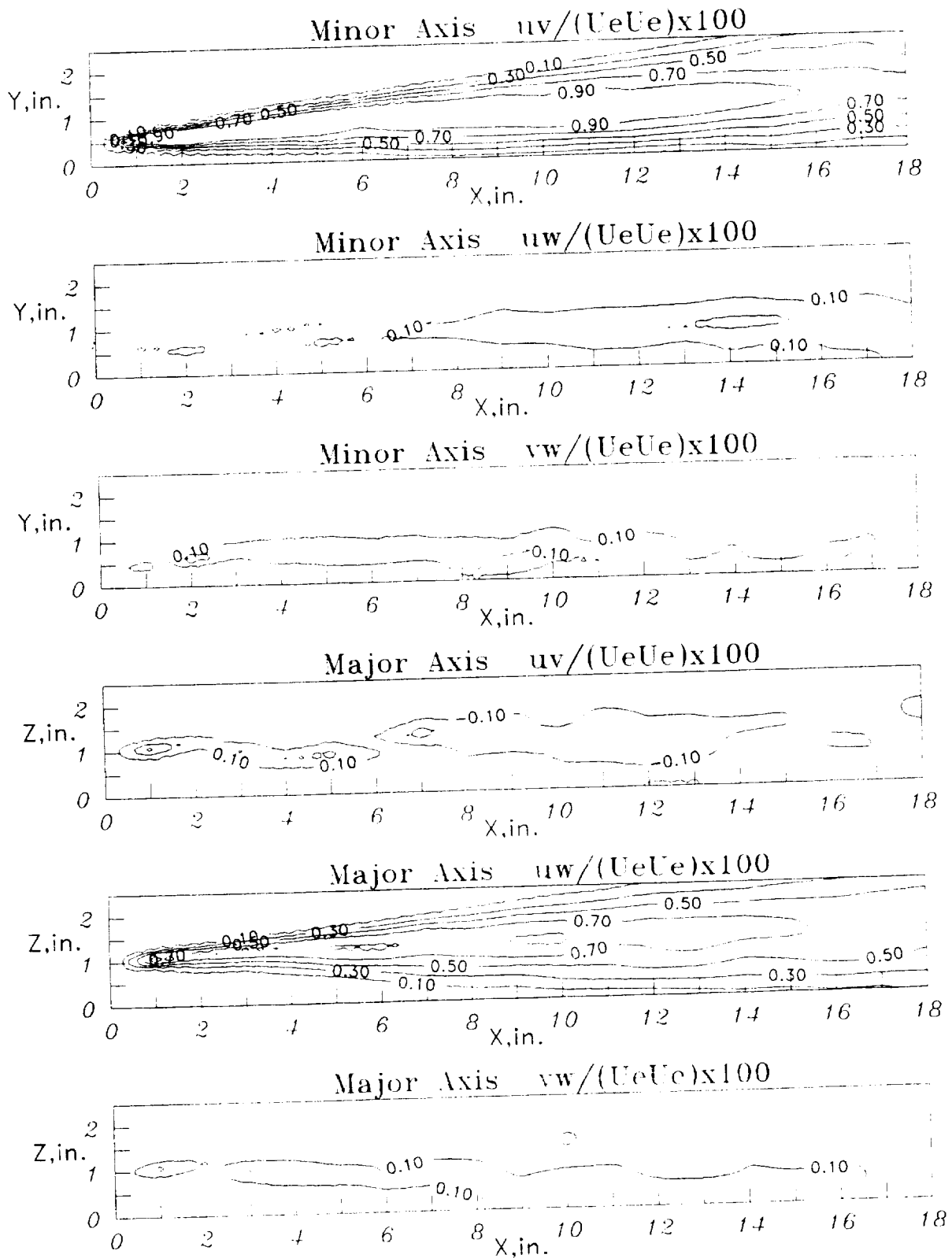


Fig. 14 1x2 Nozzle M=0.09 Velocity Covariance

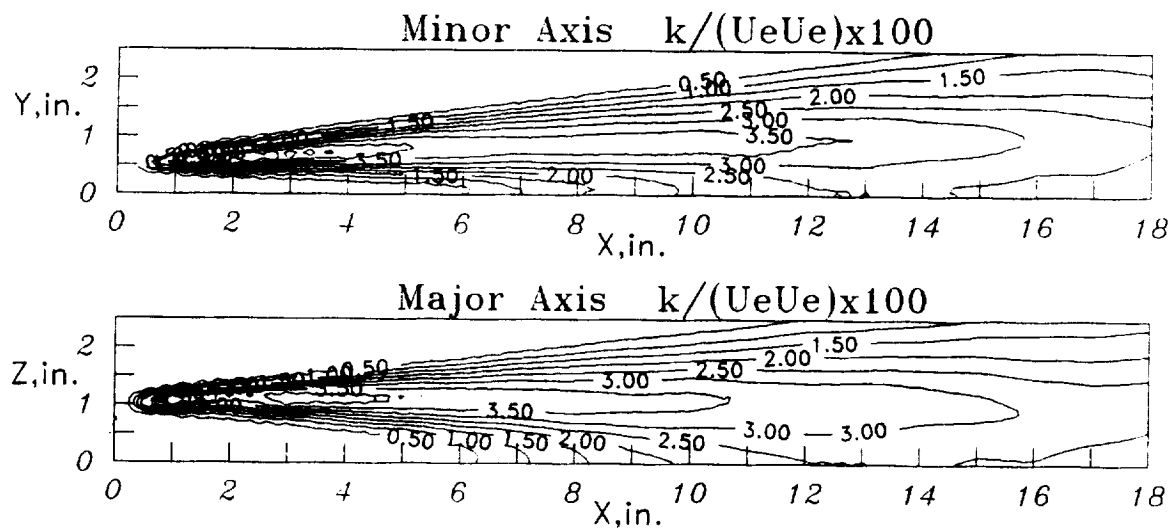


Fig. 15 1x2 Nozzle M=0.09 Turbulent K.E. (k)

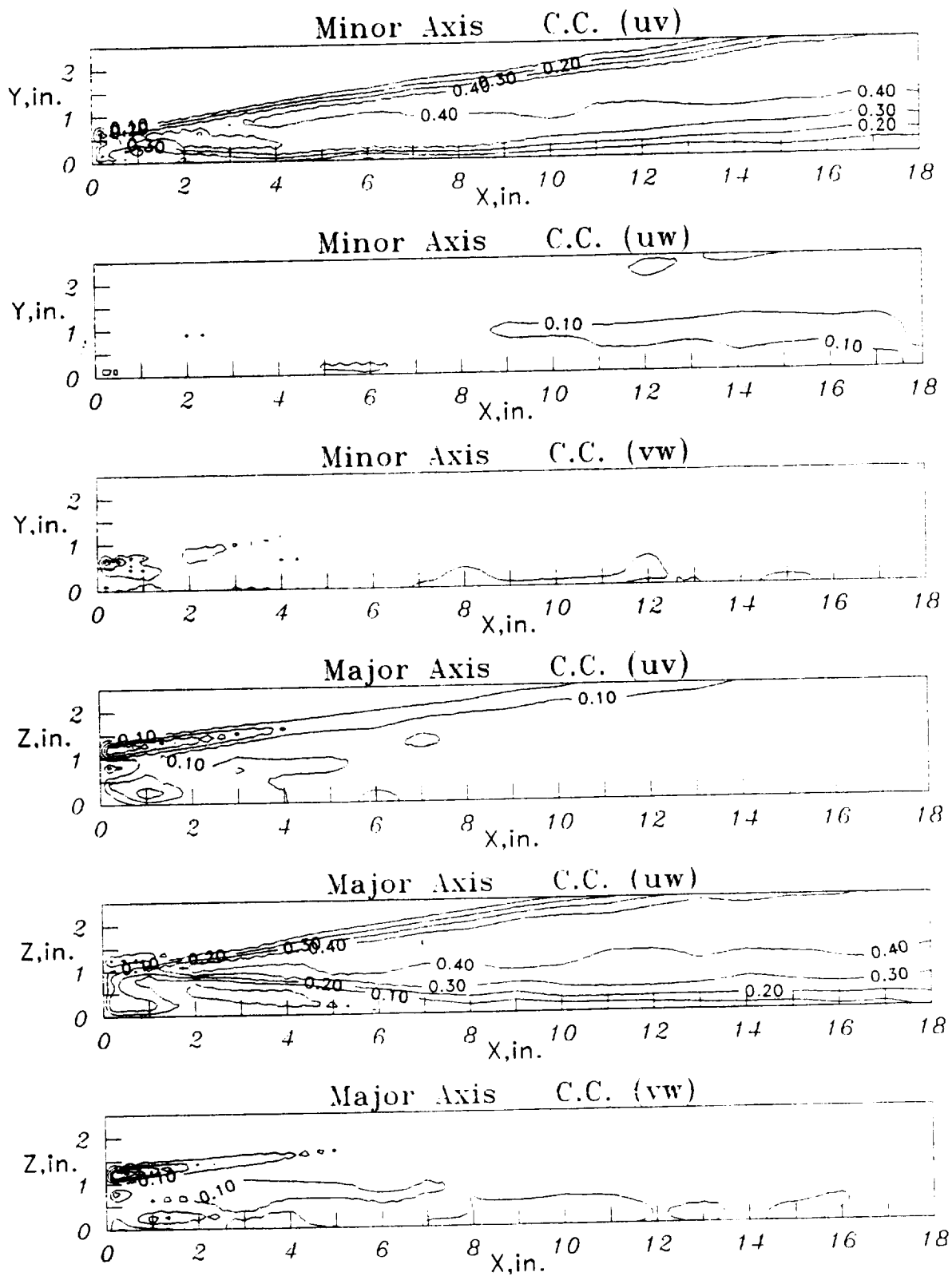


Fig. 16 1x2 Nozzle M=0.09 Velocity Correlation

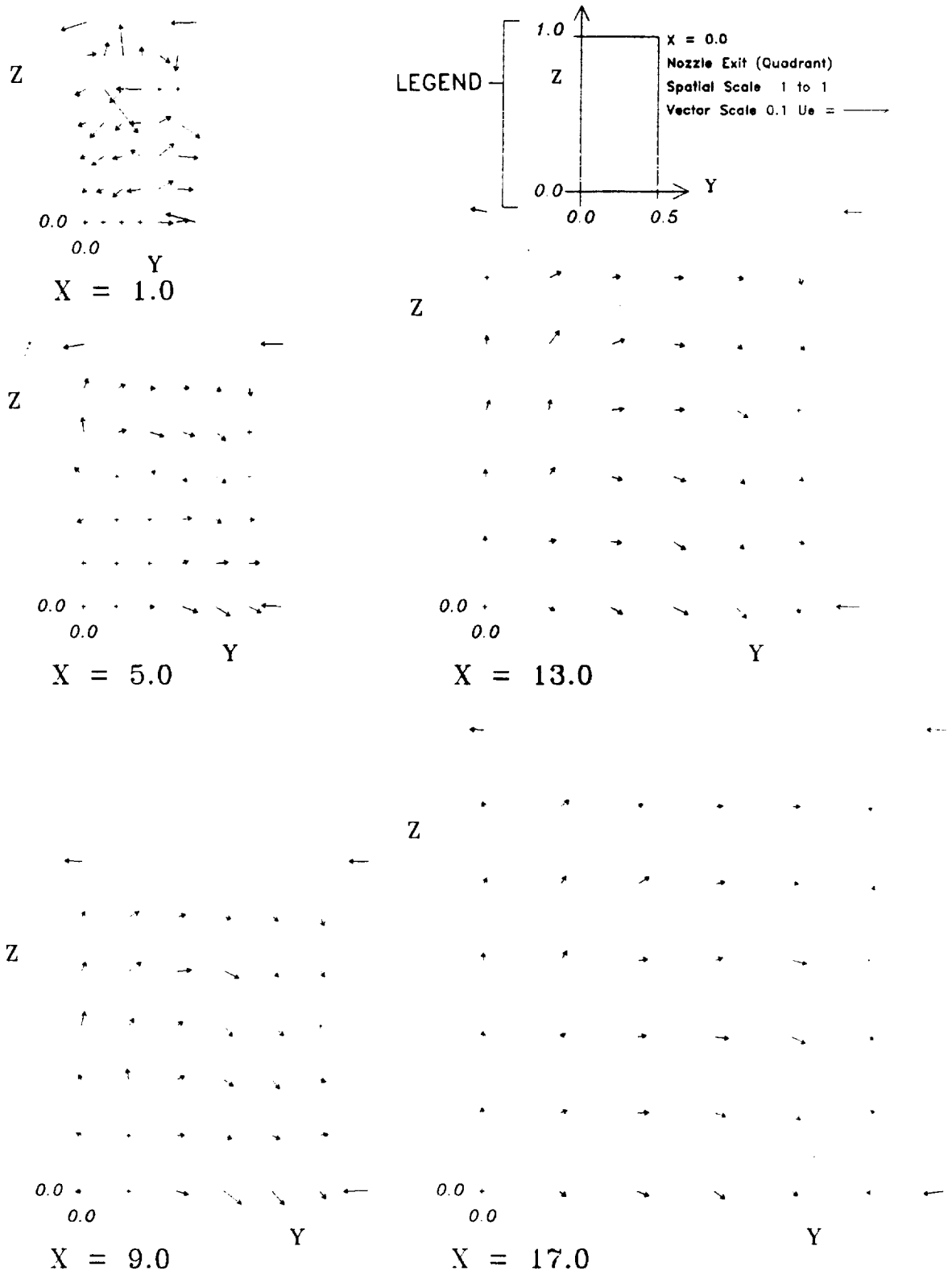
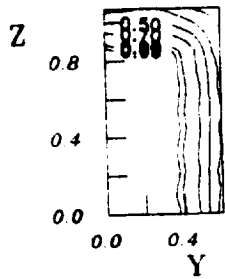
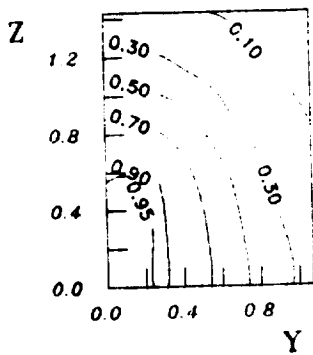
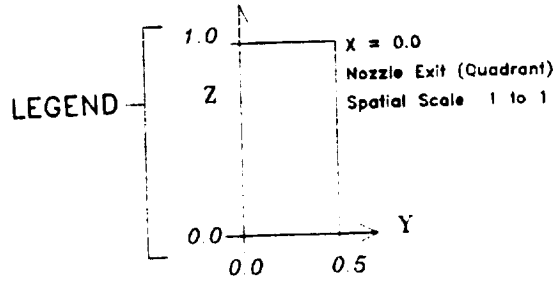


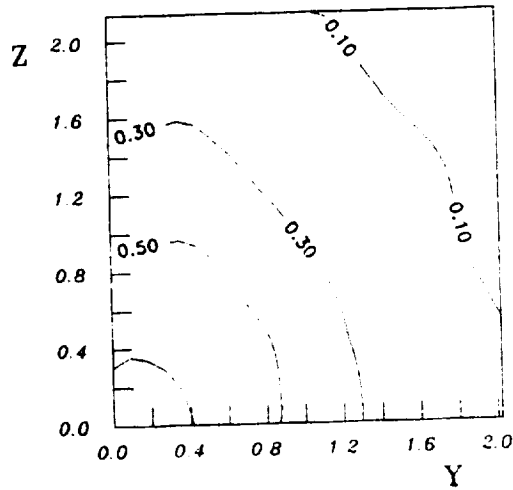
Fig. 17 1x2 Nozzle $M=0.09$ Velocity Vectors



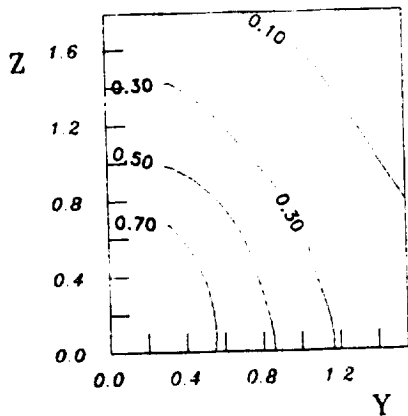
X = 1.0



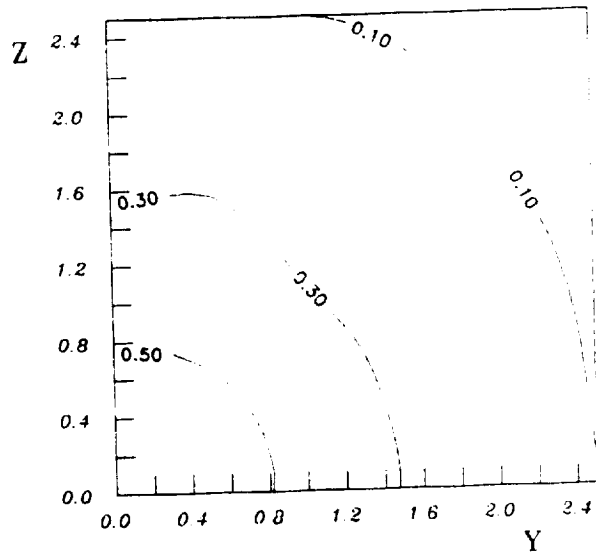
X = 5.0



X = 13.0



X = 9.0



X = 17.0

Fig. 18 1x2 Nozzle M=0.09 U/Ue

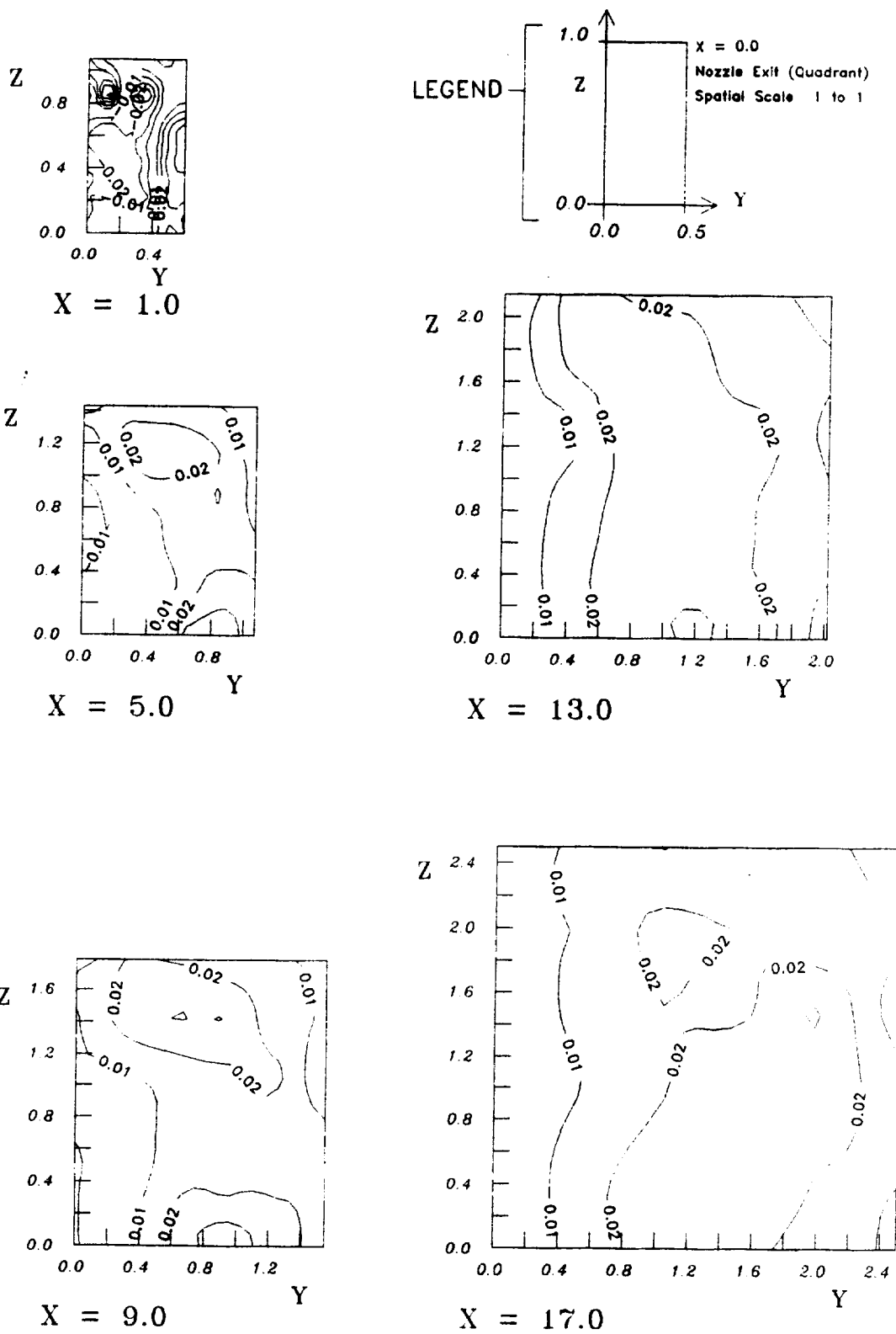


Fig. 19 1x2 Nozzle $M=0.09$ V/U_e

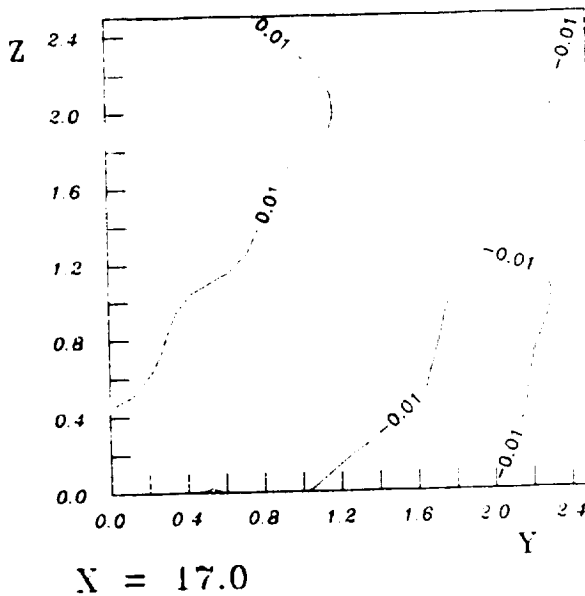
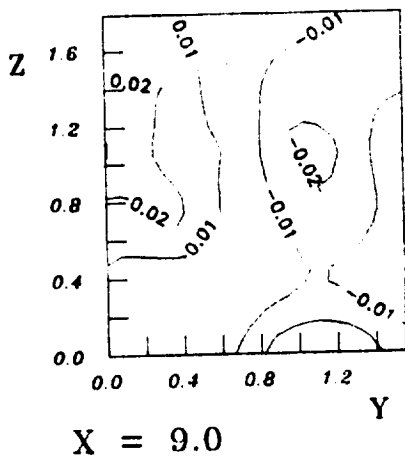
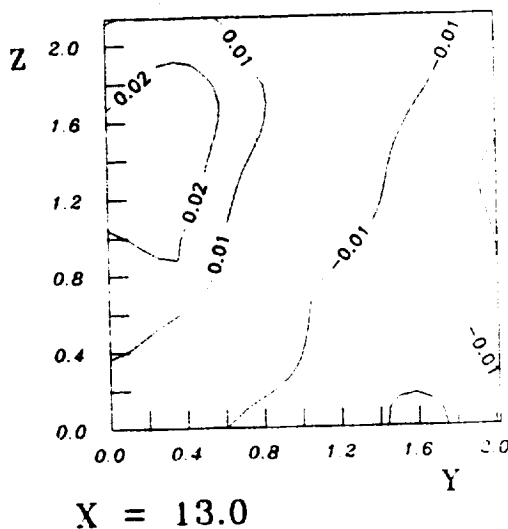
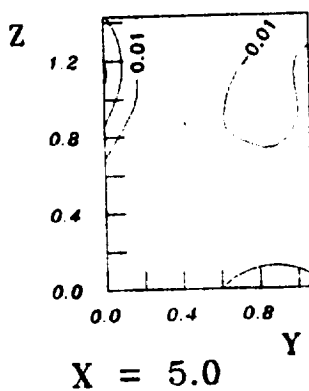
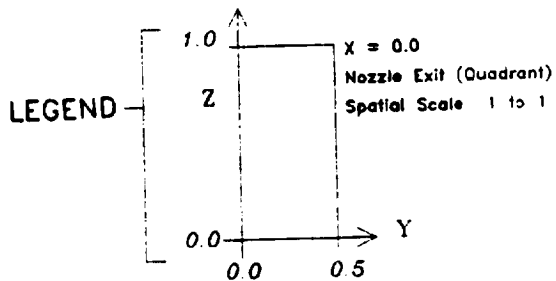
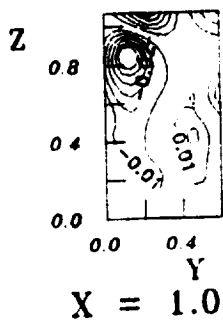


Fig. 20 1x2 Nozzle $M=0.09$ w/U_e

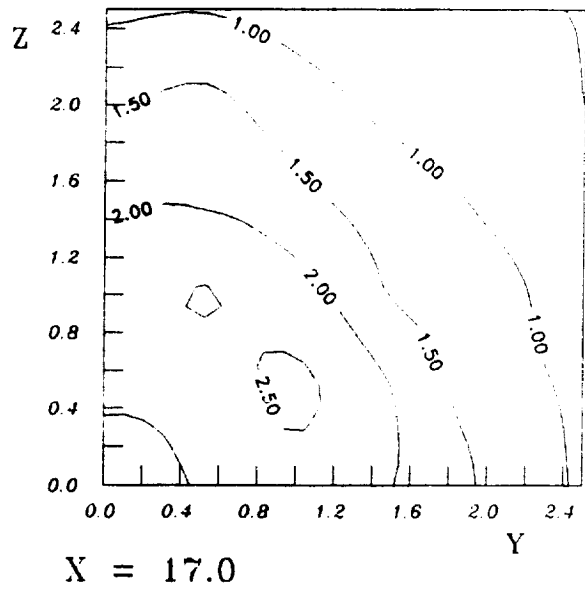
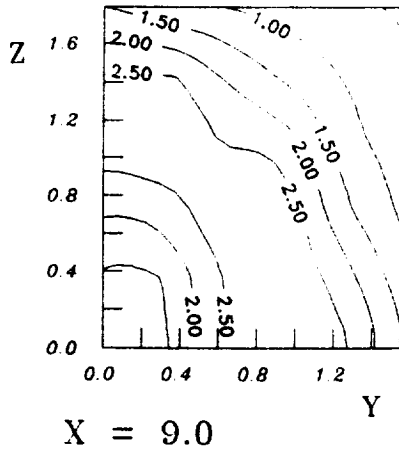
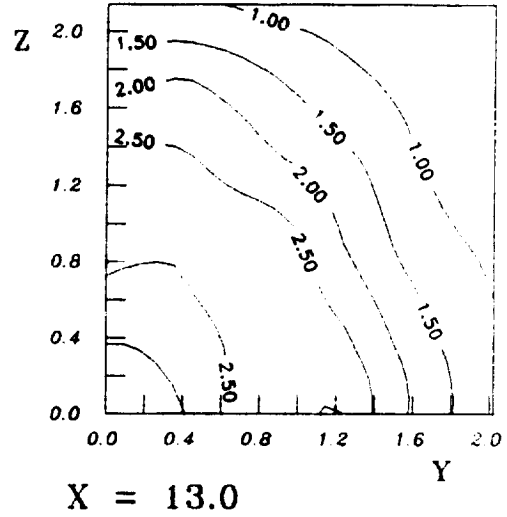
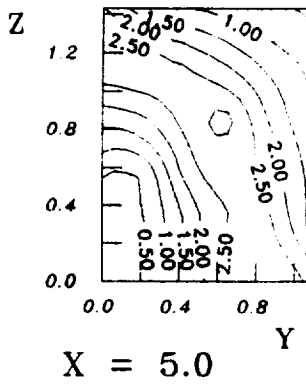
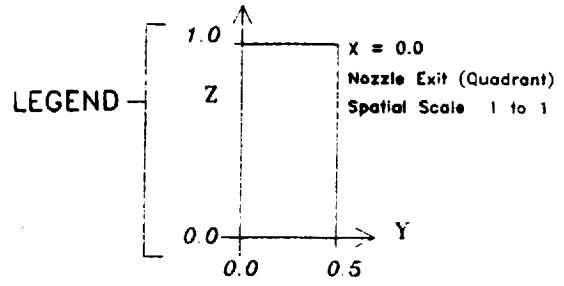
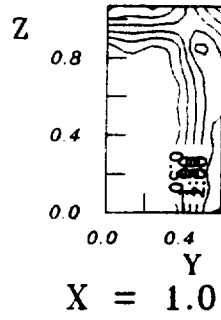


Fig. 21 1x2 Nozzle M=0.09 $uu/(UeUe)x100$

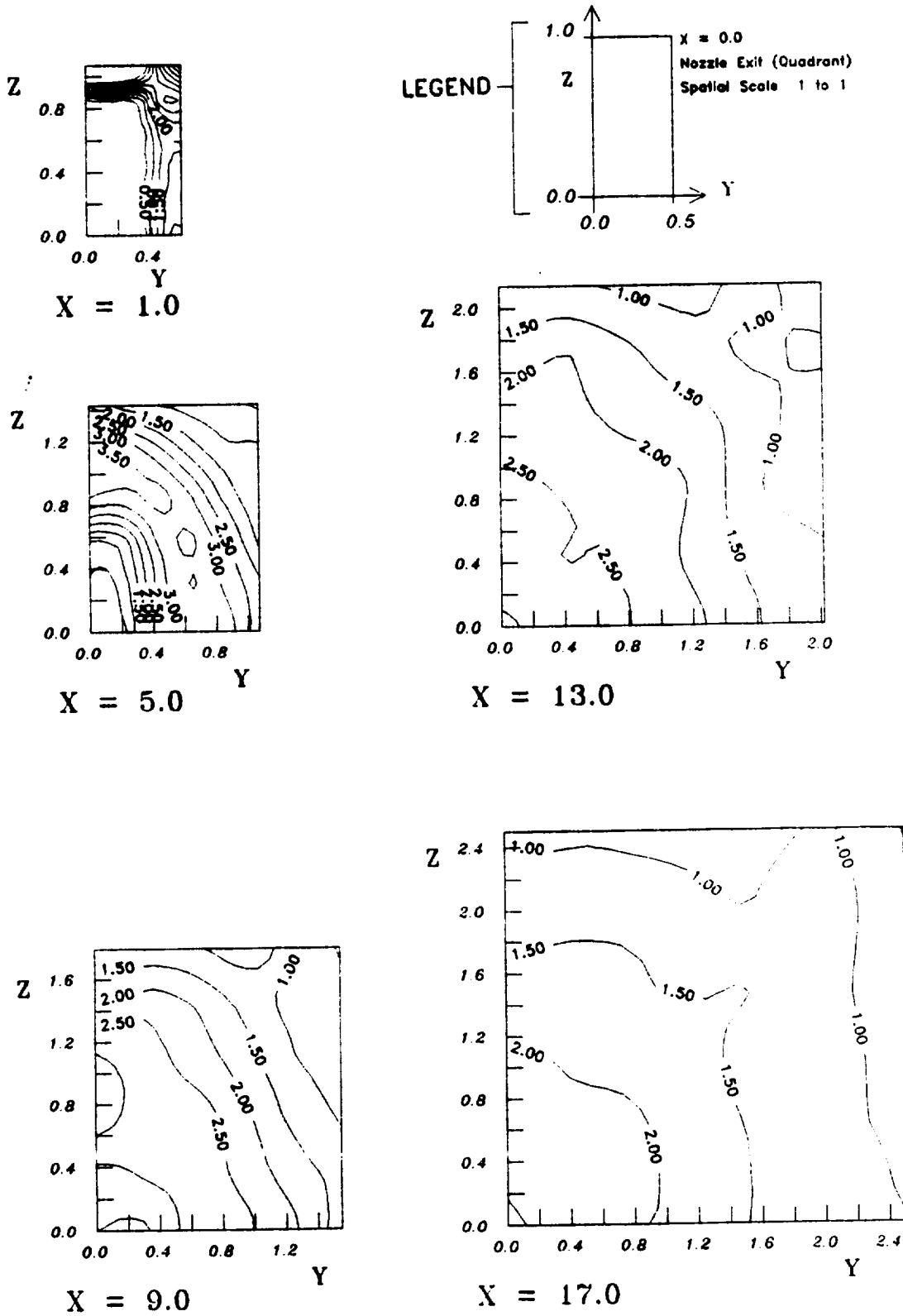


Fig. 22 1x2 Nozzle $M=0.09$ $vw/(UeUe)x100$

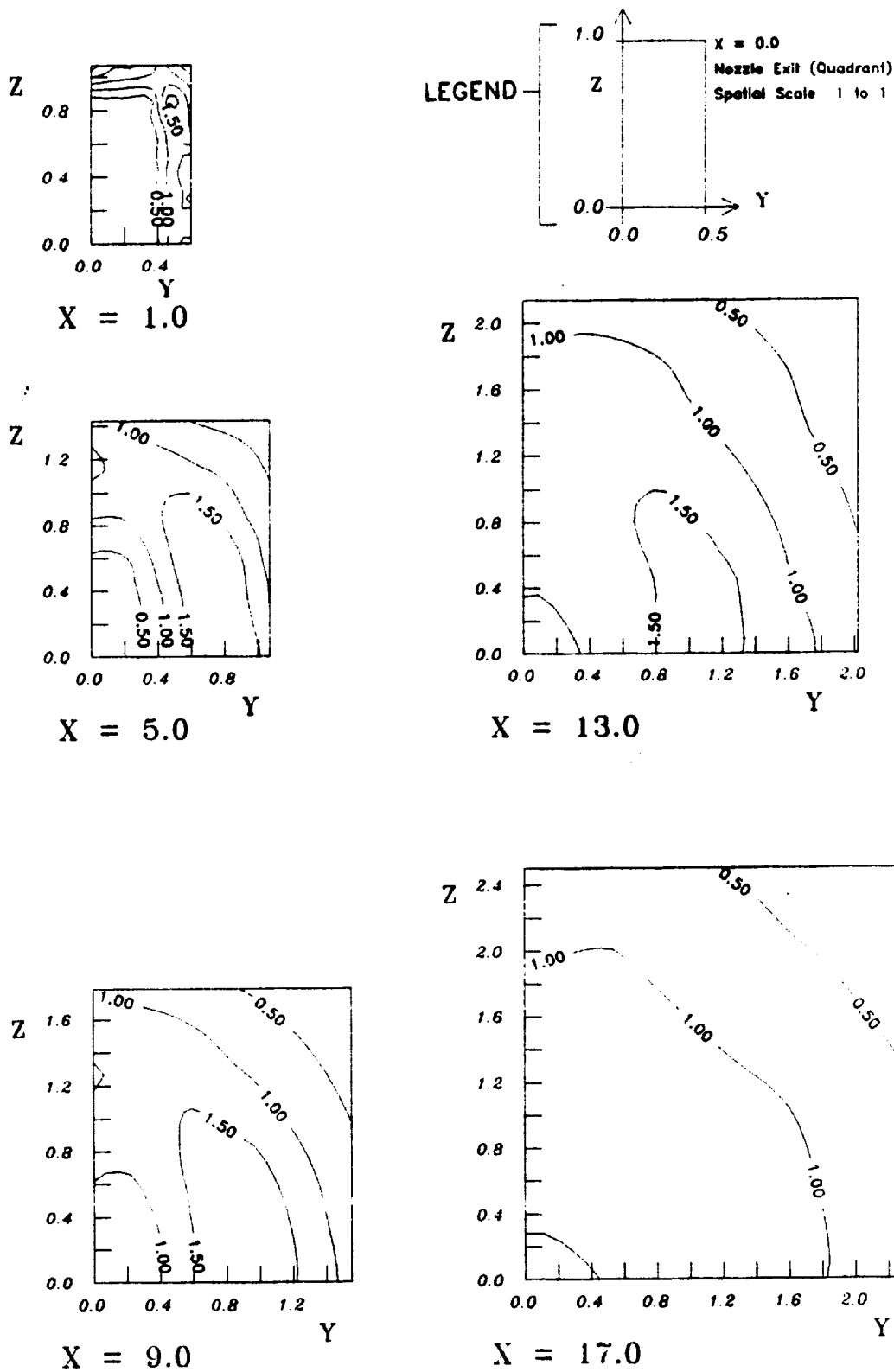


Fig. 23 1x2 Nozzle $M=0.09$ $w_w/(U_e U_e) \times 100$

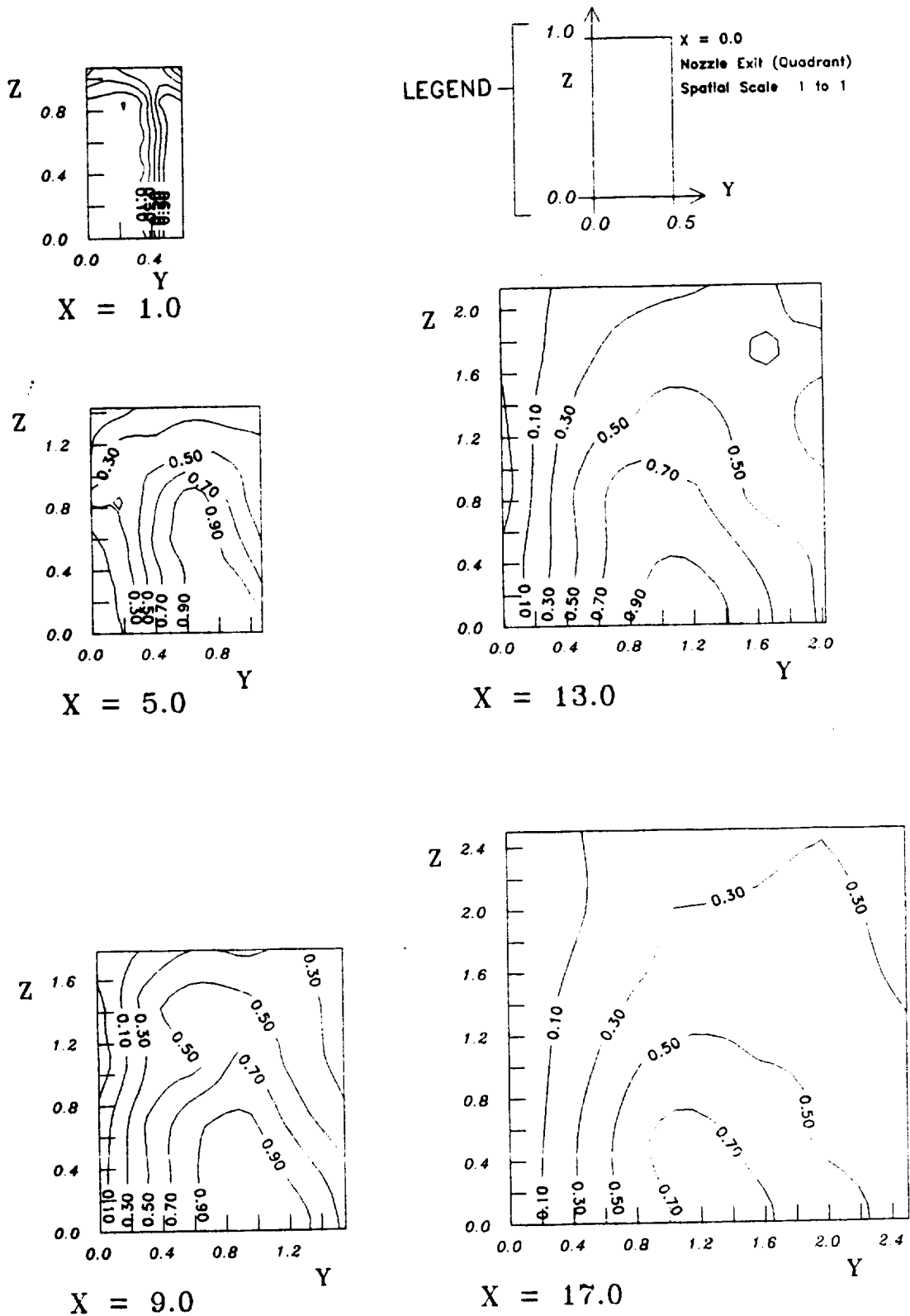


Fig. 24 1x2 Nozzle $M=0.09$ $uv/(UeUe) \times 100$

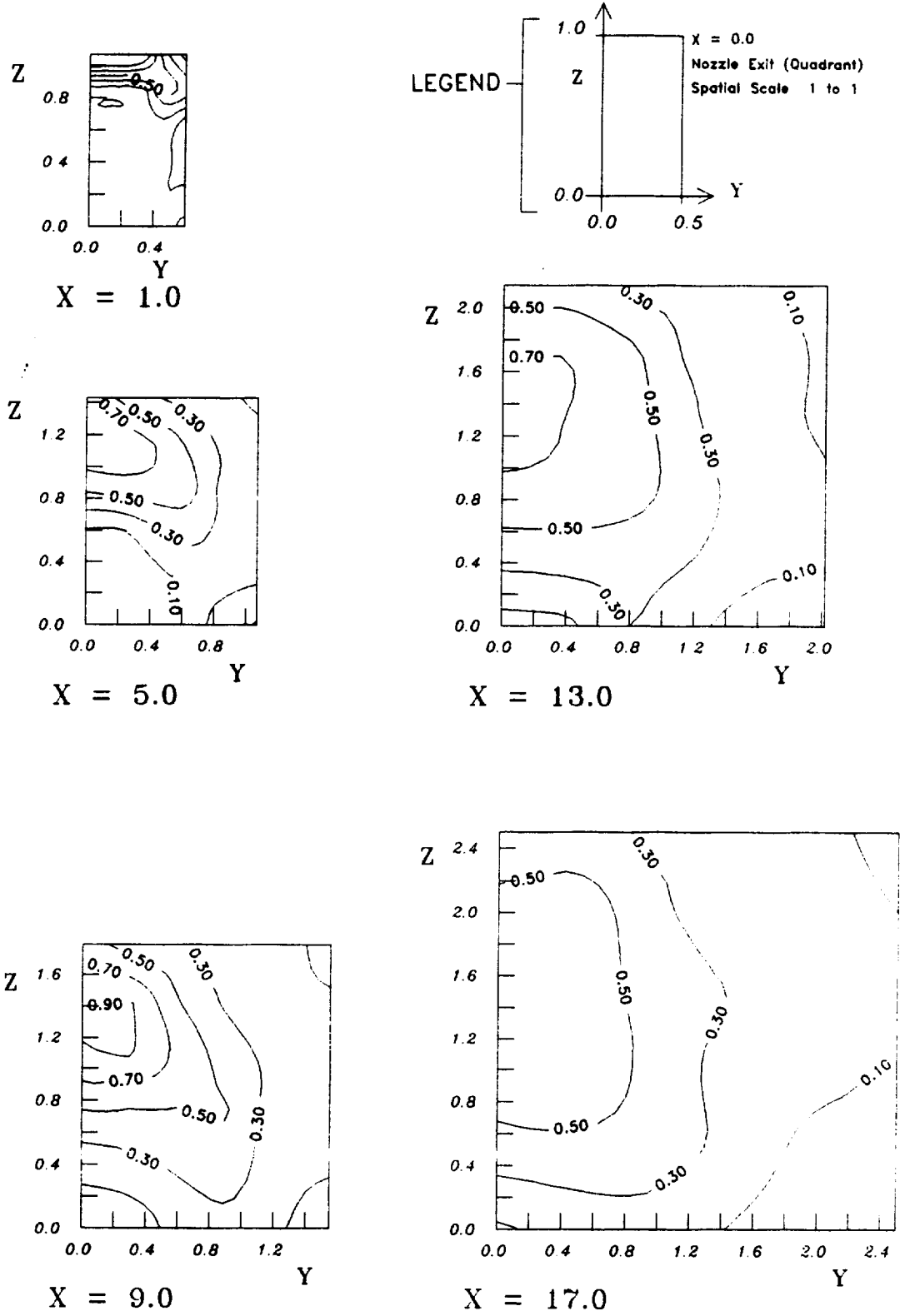


Fig. 25 1x2 Nozzle M=0.09 uw/(UeUe)x100

C2

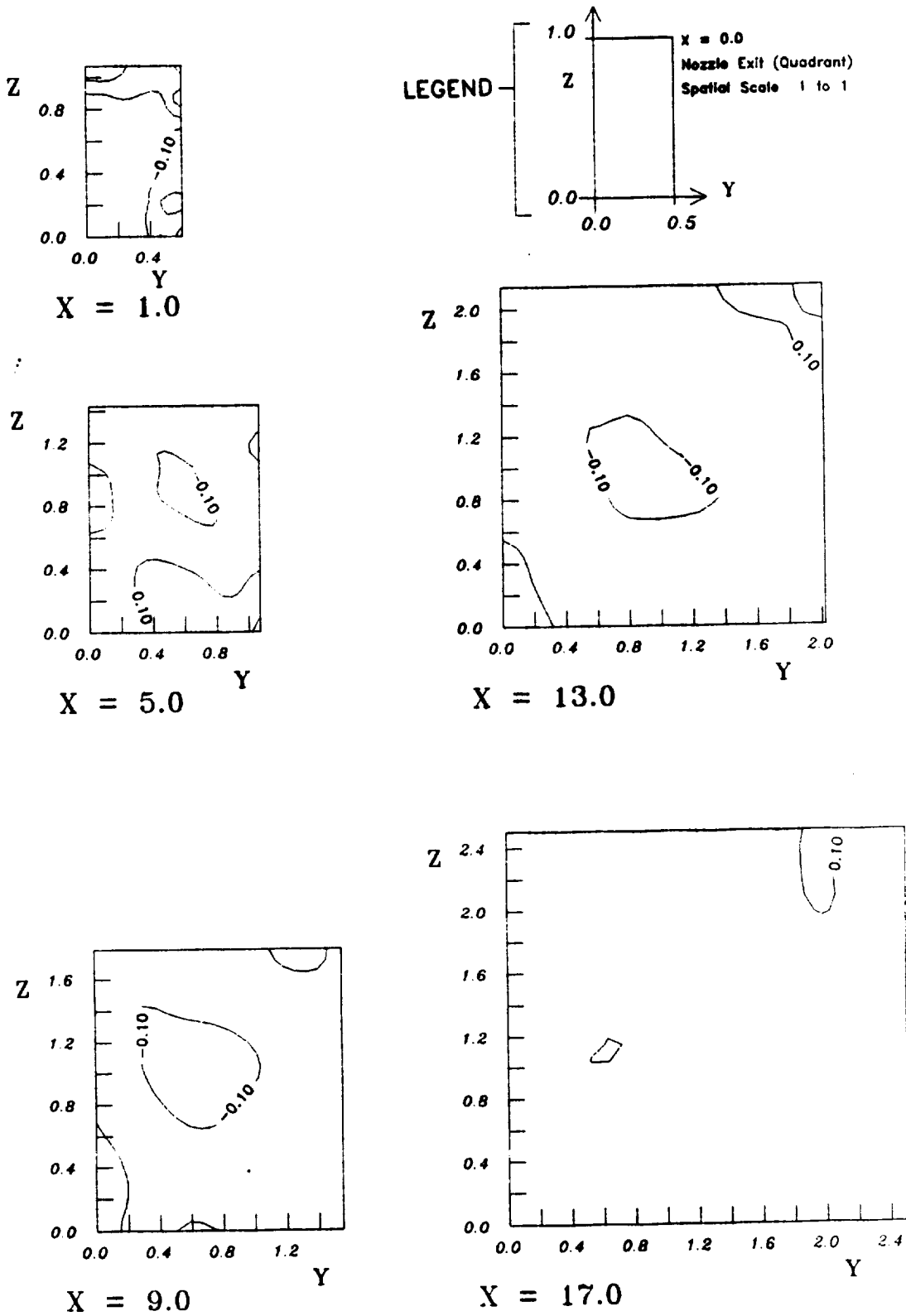


Fig. 26 1x2 Nozzle $M=0.09$ $vw/(UeUe) \times 100$

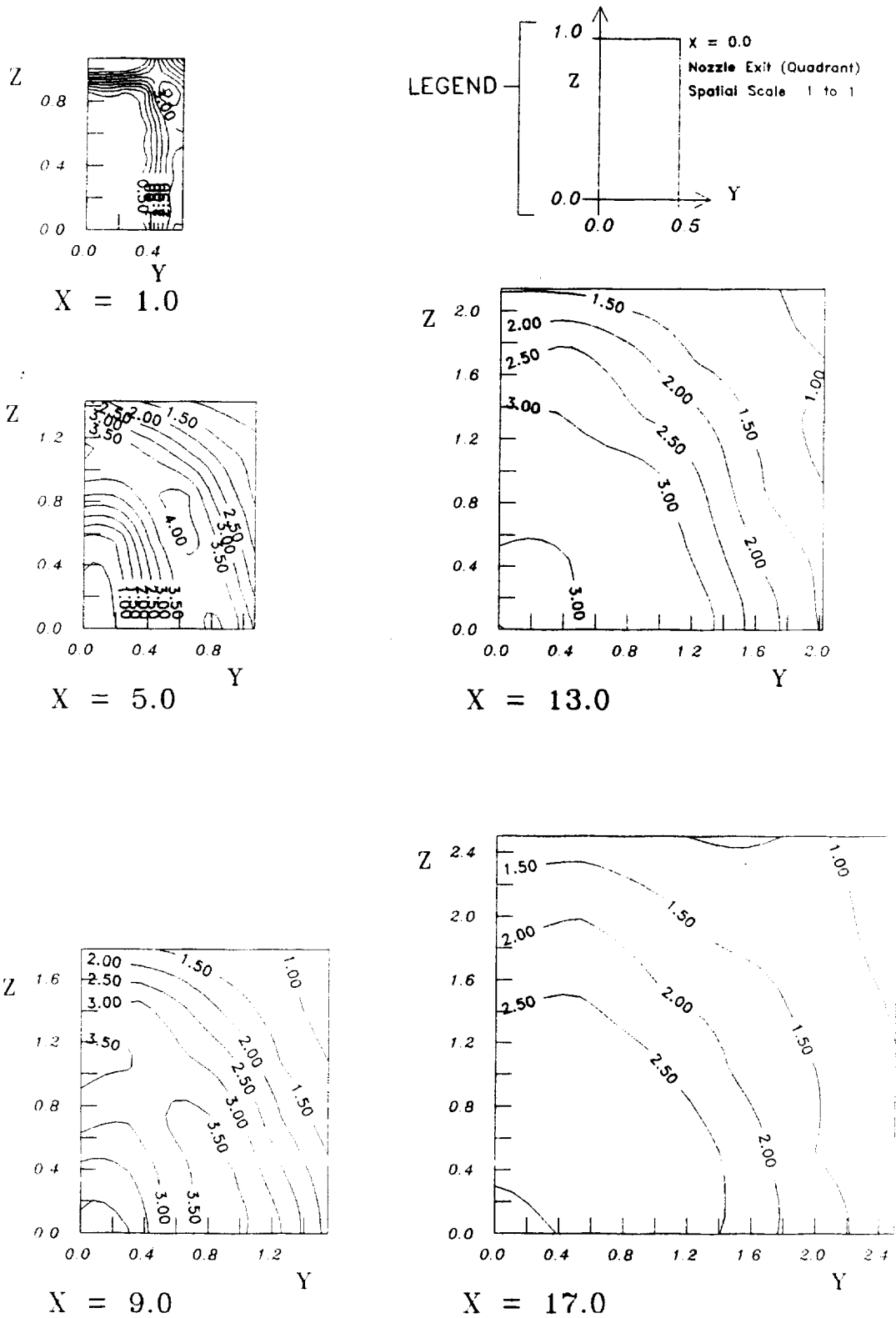


Fig. 27 1x2 Nozzle $M=0.09$ $k/(UeUe)x100$

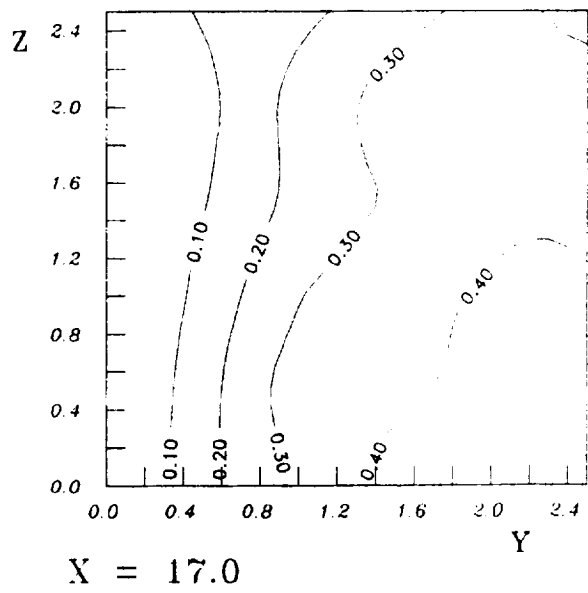
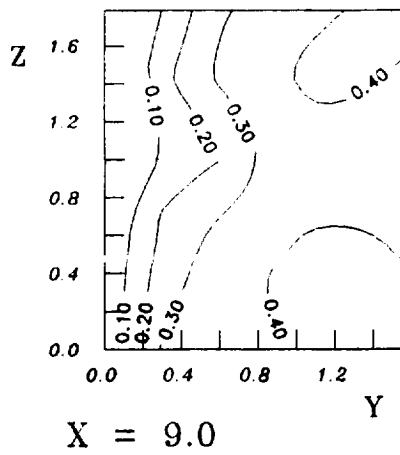
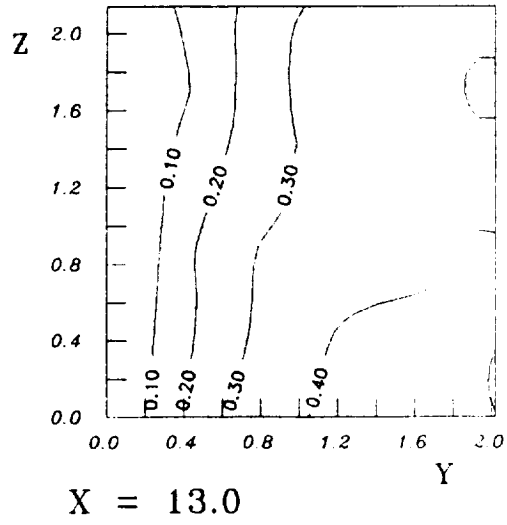
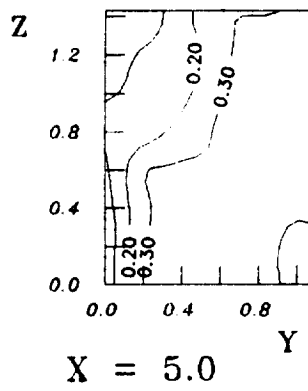
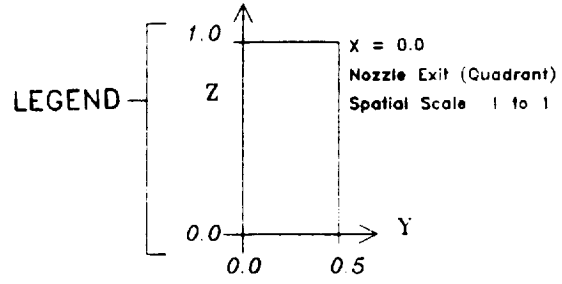
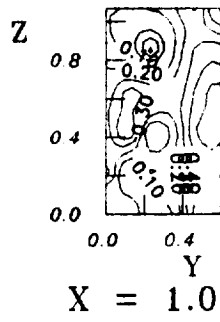
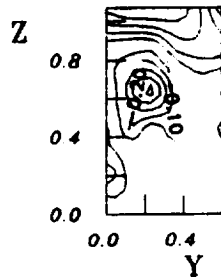
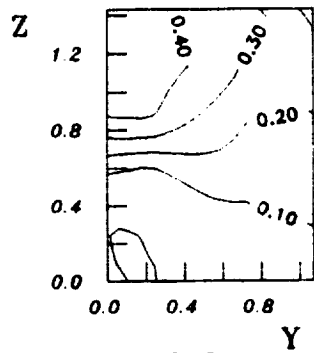


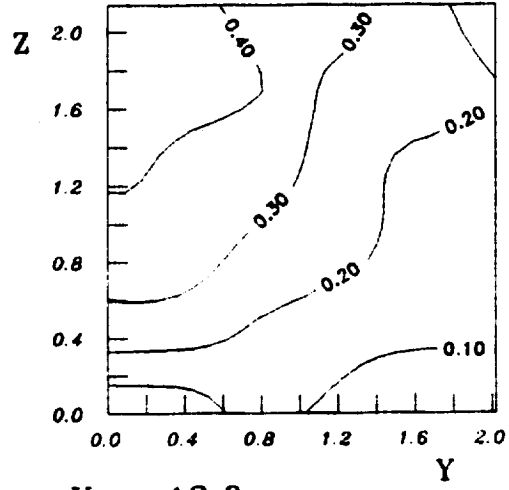
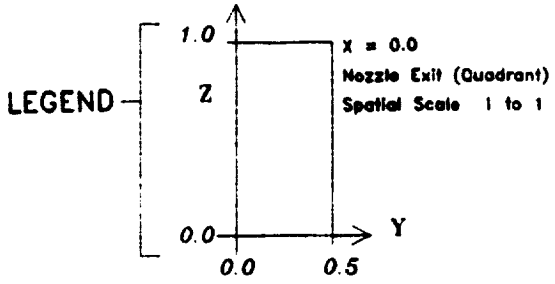
Fig. 28 1x2 Nozzle M=0.09 C.C.(uv)



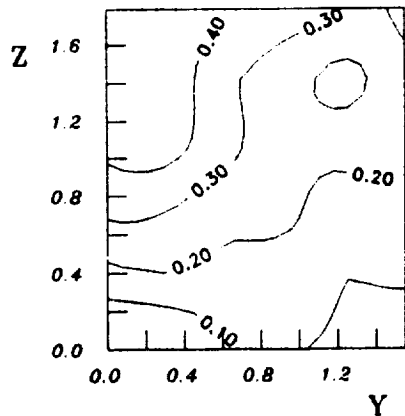
X = 1.0



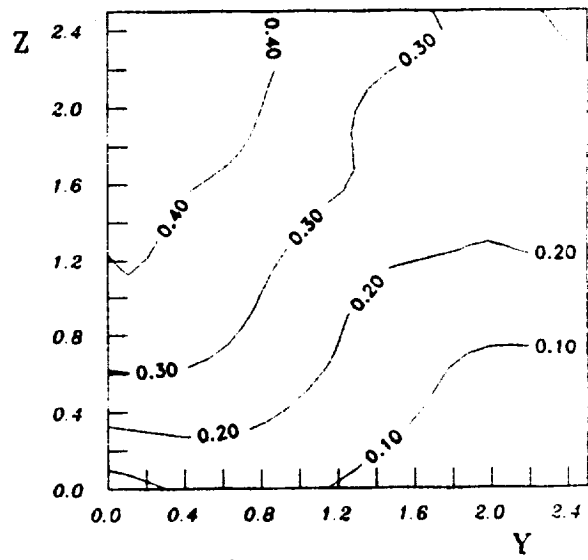
X = 5.0



X = 13.0

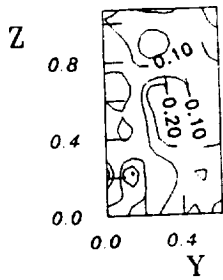


X = 9.0

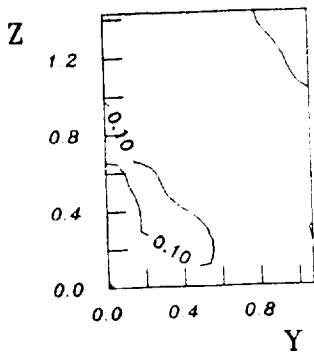


X = 17.0

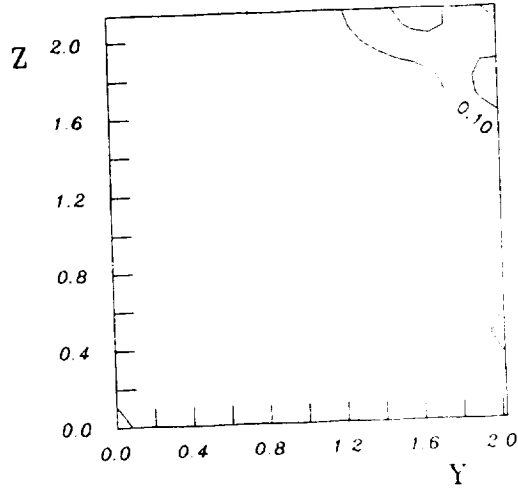
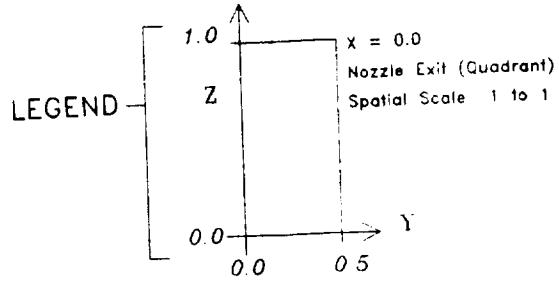
Fig. 29 1x2 Nozzle M=0.09 C.C.(uw)



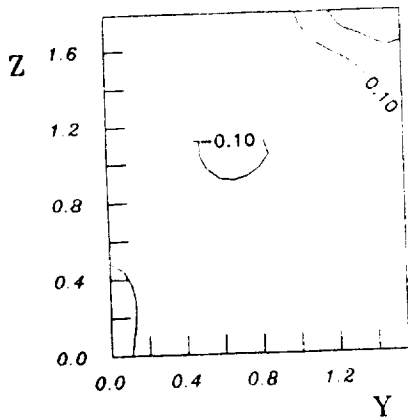
X = 1.0



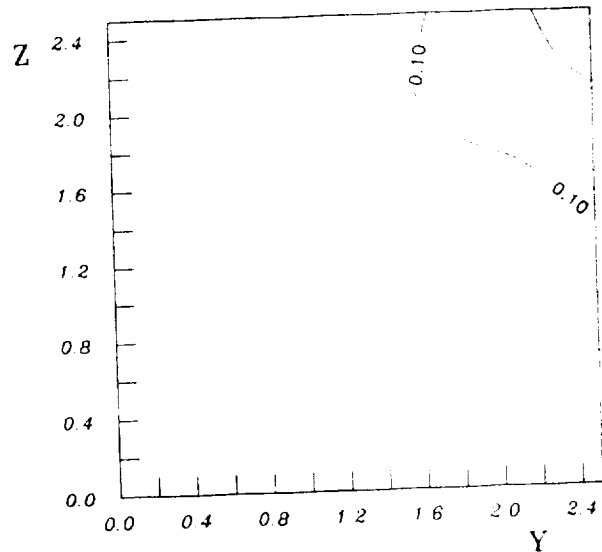
X = 5.0



X = 13.0



X = 9.0



X = 17.0

Fig. 30 1x2 Nozzle M=0.09 C.C.(vw)

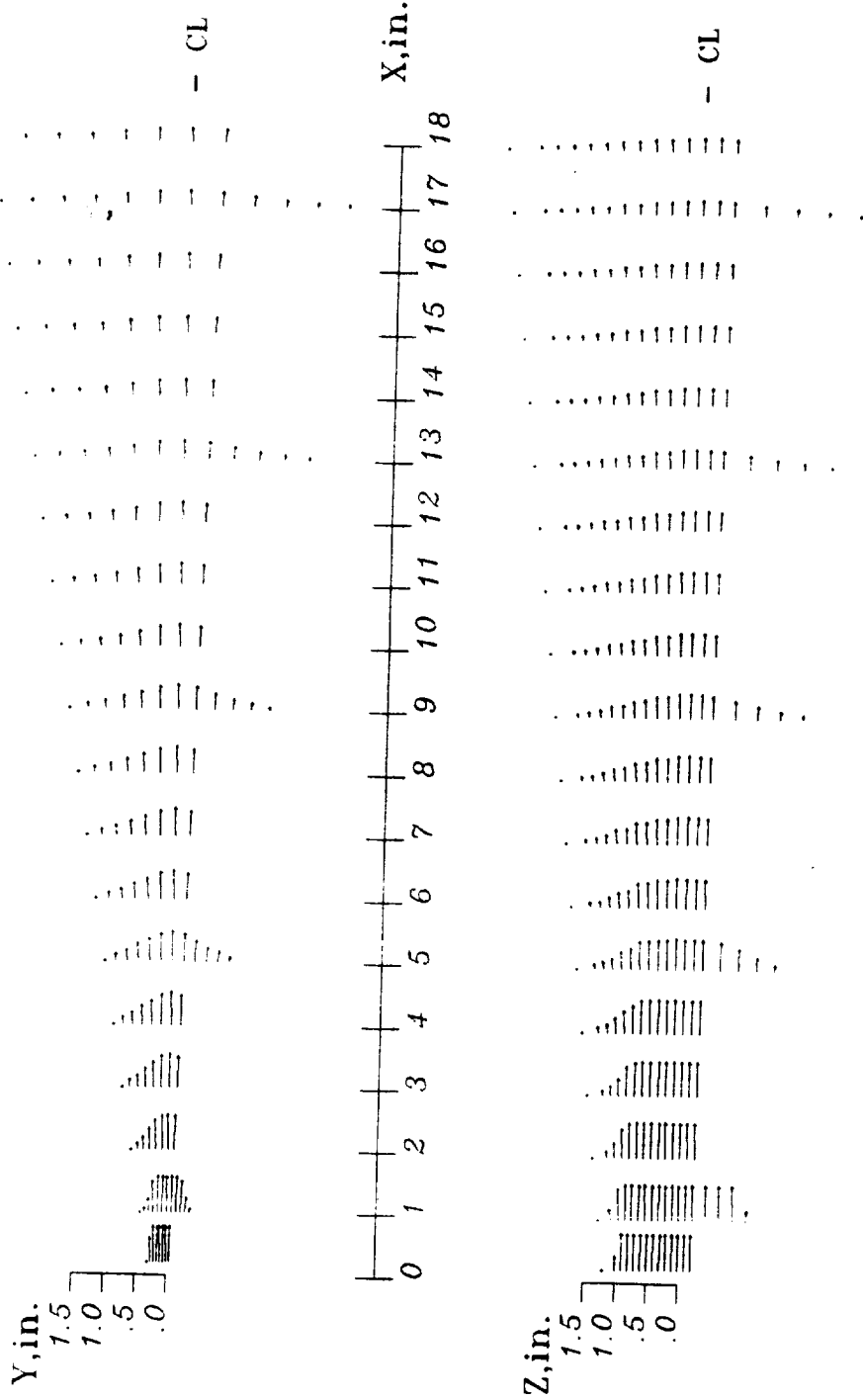


Fig. 31 1x1 Nozzle M=0.09 Velocity Vectors

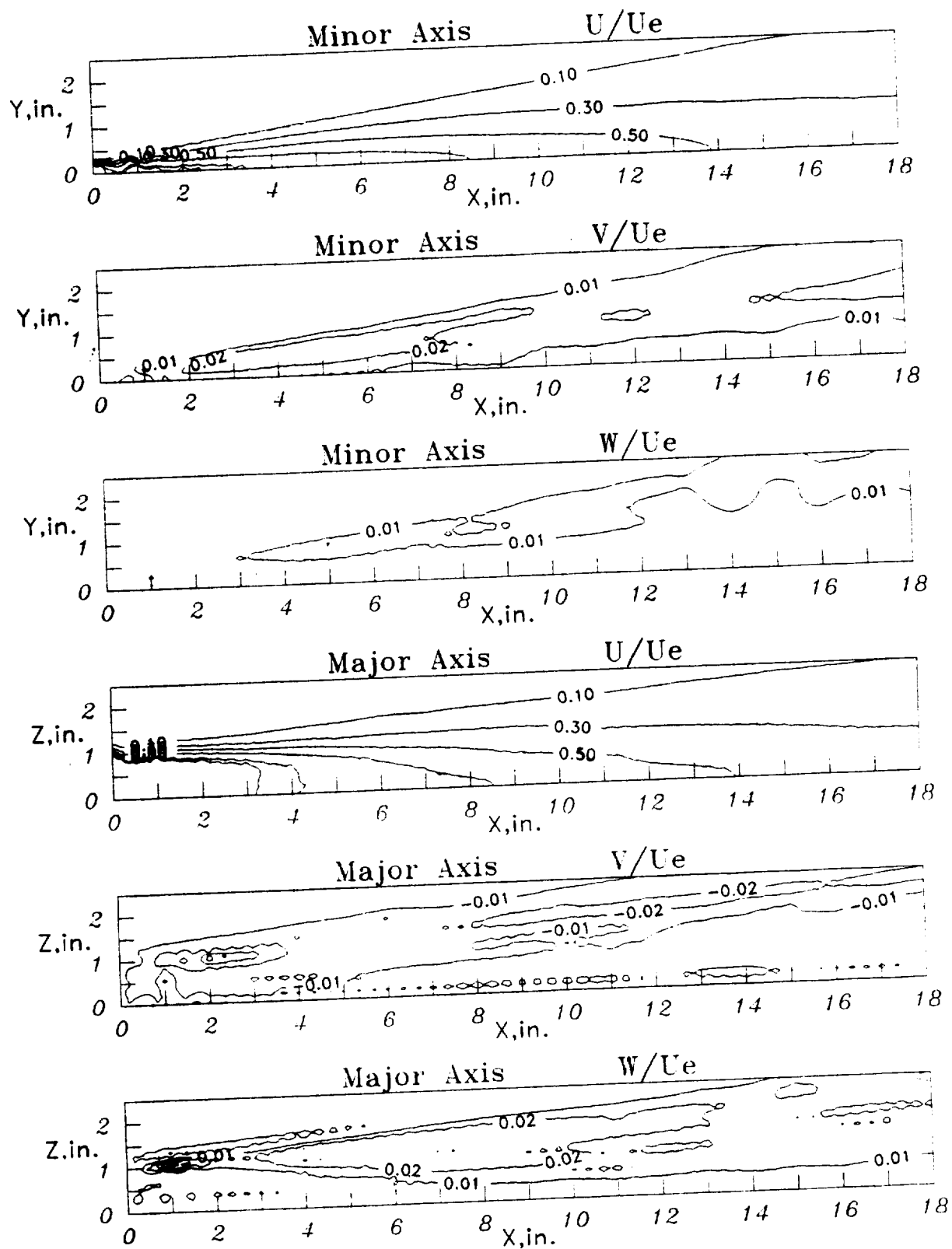


Fig. 32 1x4 Nozzle $M=0.09$ Mean Velocity

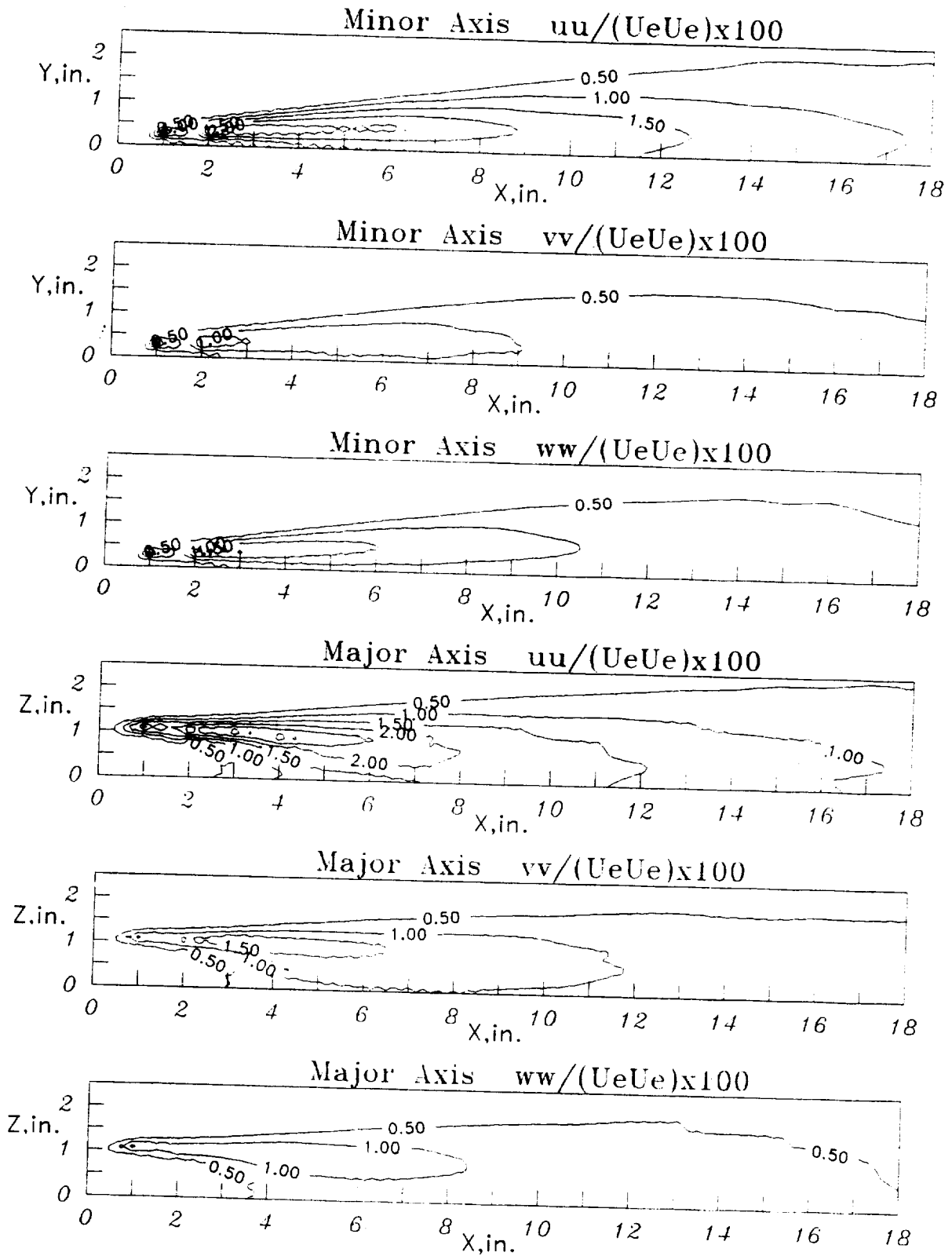


Fig. 33 $M=0.09$ 1x4 Nozzle Velocity Variance

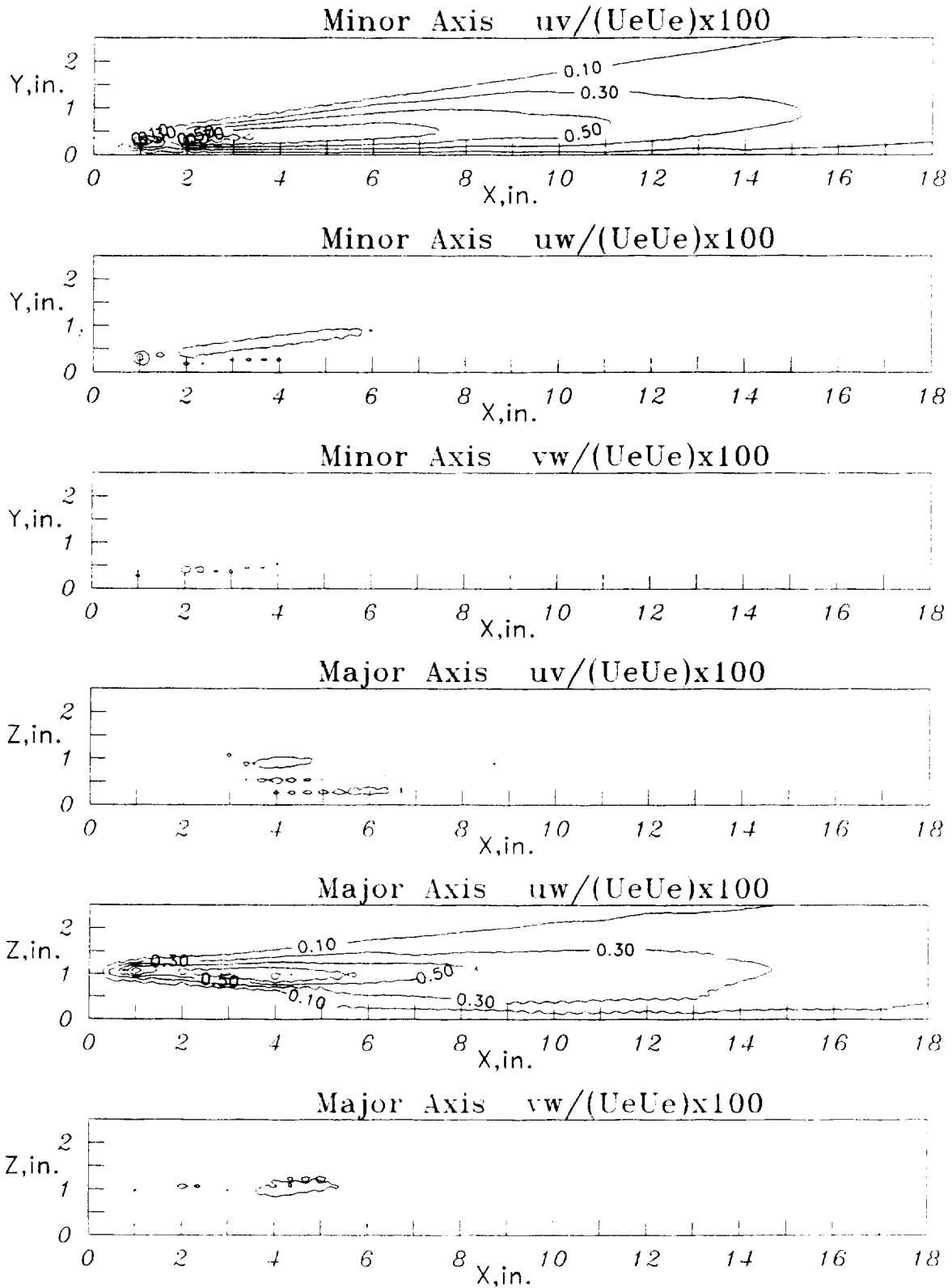


Fig. 34 M=0.09 1x4 Nozzle Velocity Covariance

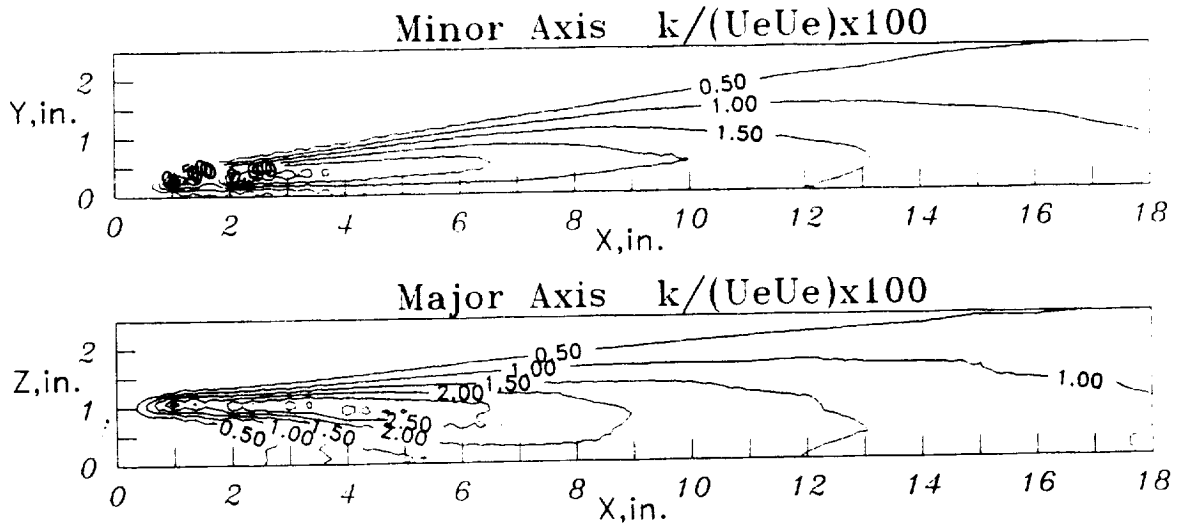


Fig. 35 1x4 Nozzle $M=0.09$ Turbulent K.E. (k)

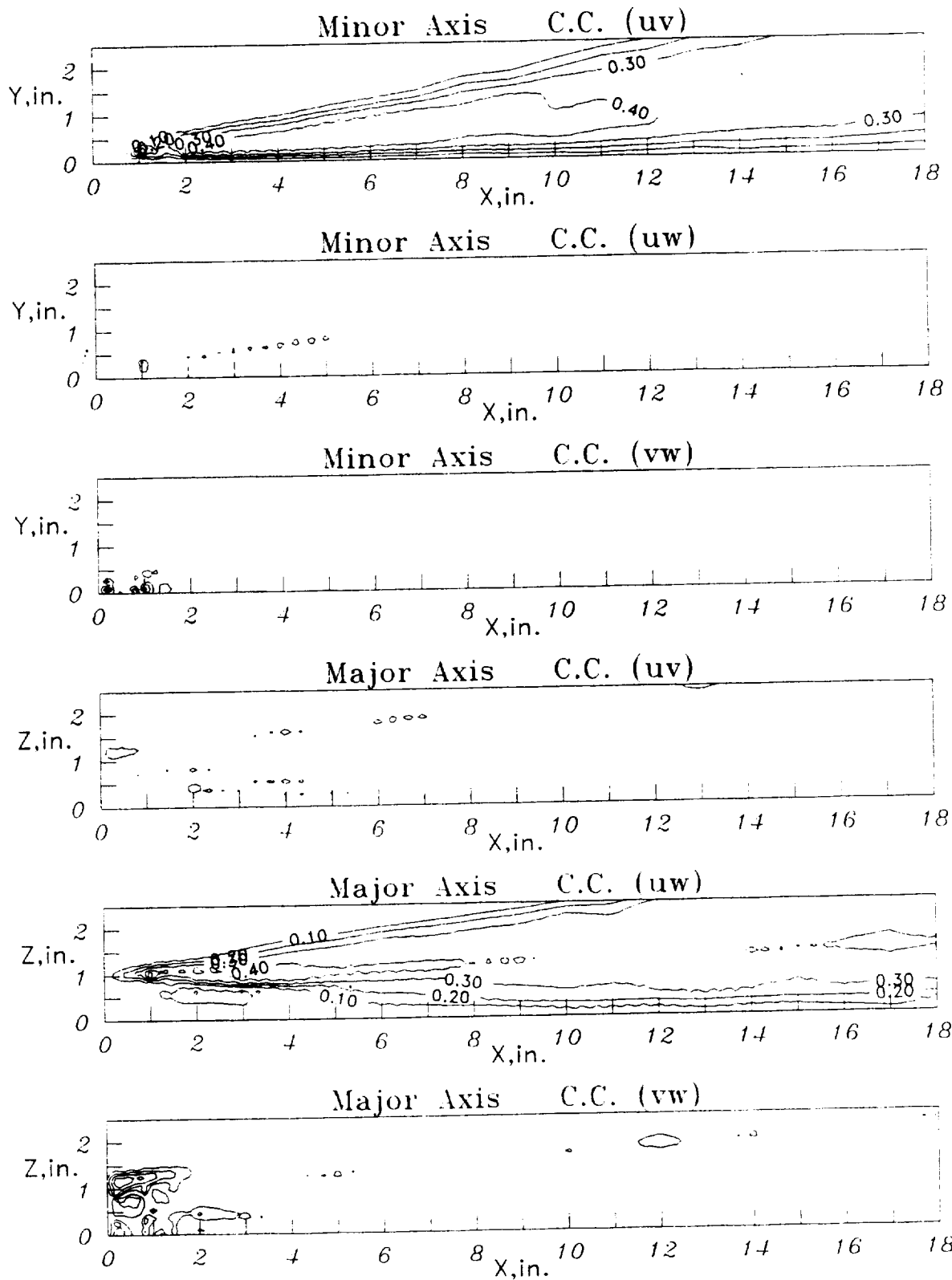


Fig. 36 1x4 Nozzle $M=0.09$ Velocity Correlation

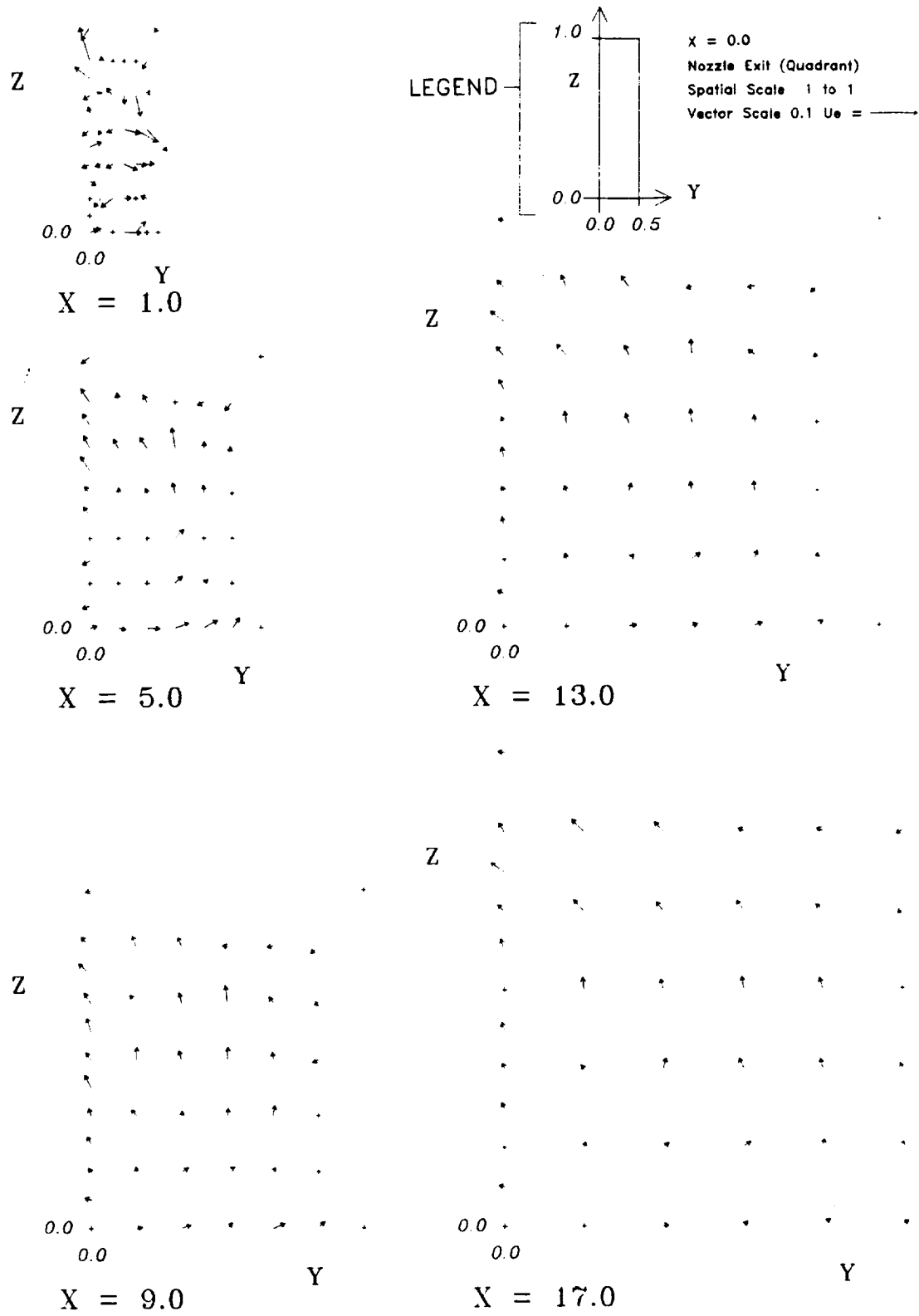


Fig. 37 1x4 Nozzle M=0.09 Velocity Vectors

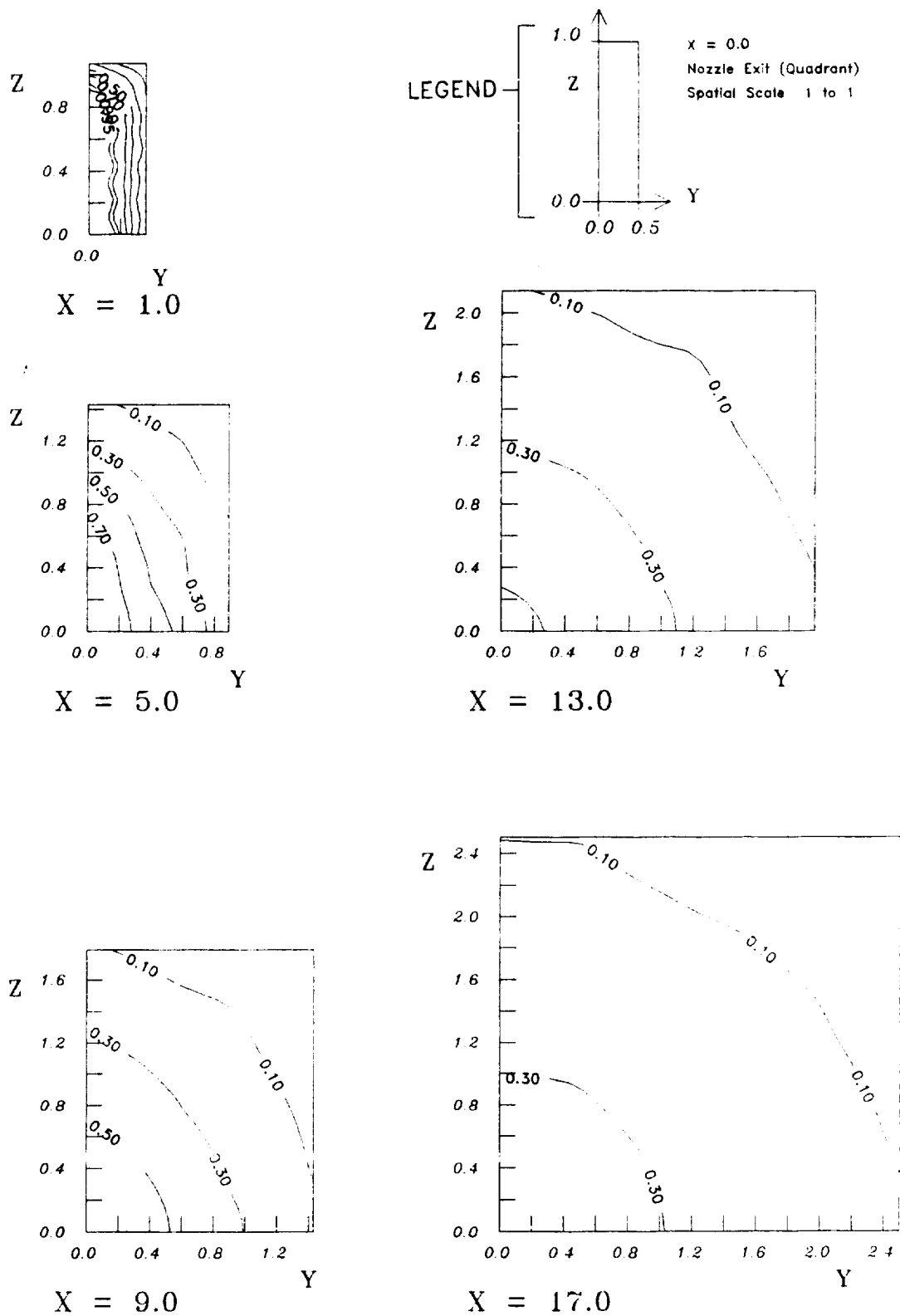


Fig. 38 1x4 Nozzle $M=0.09$ U/U_e

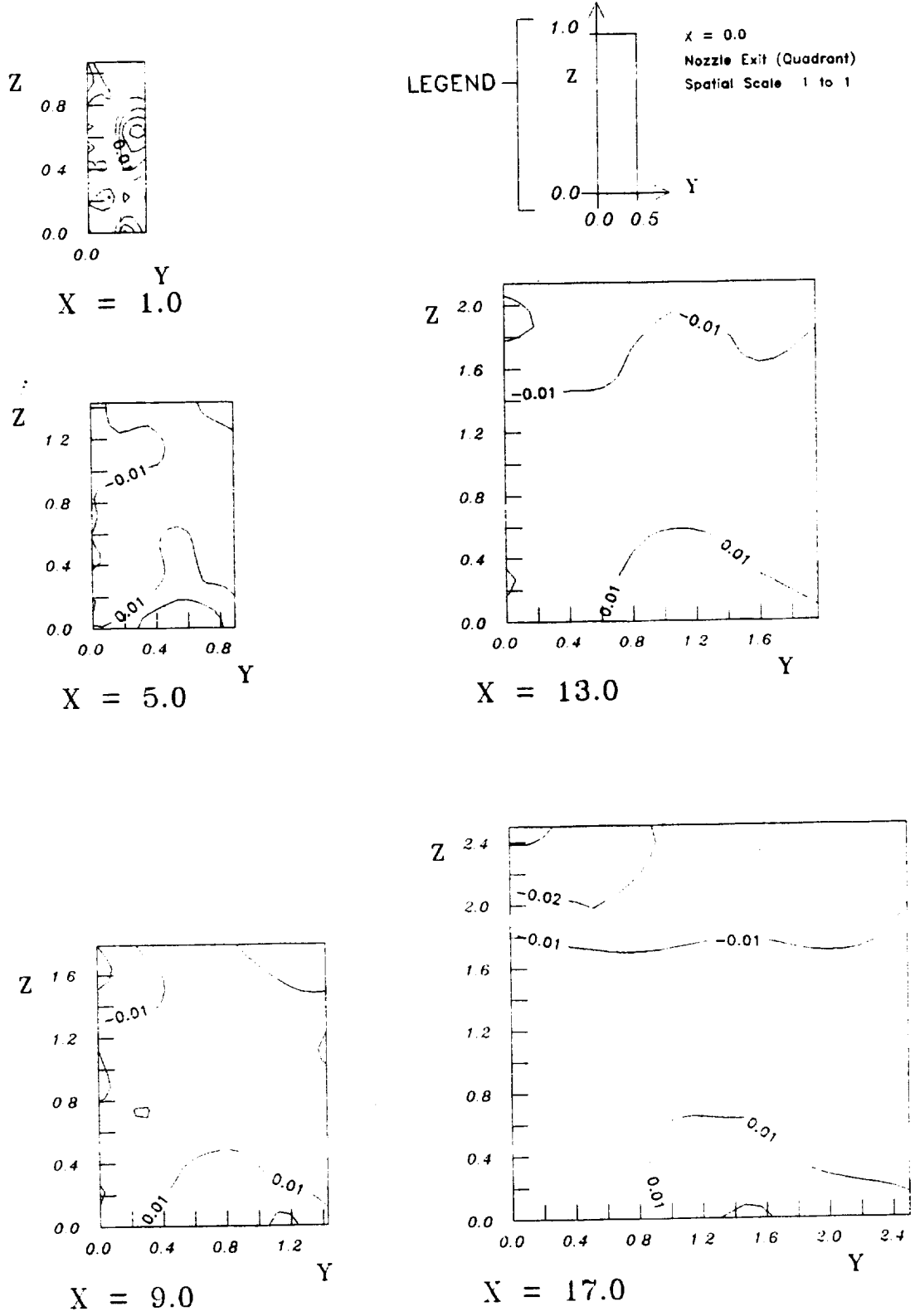


Fig. 39 1x4 Nozzle $M=0.09$ V/U_e

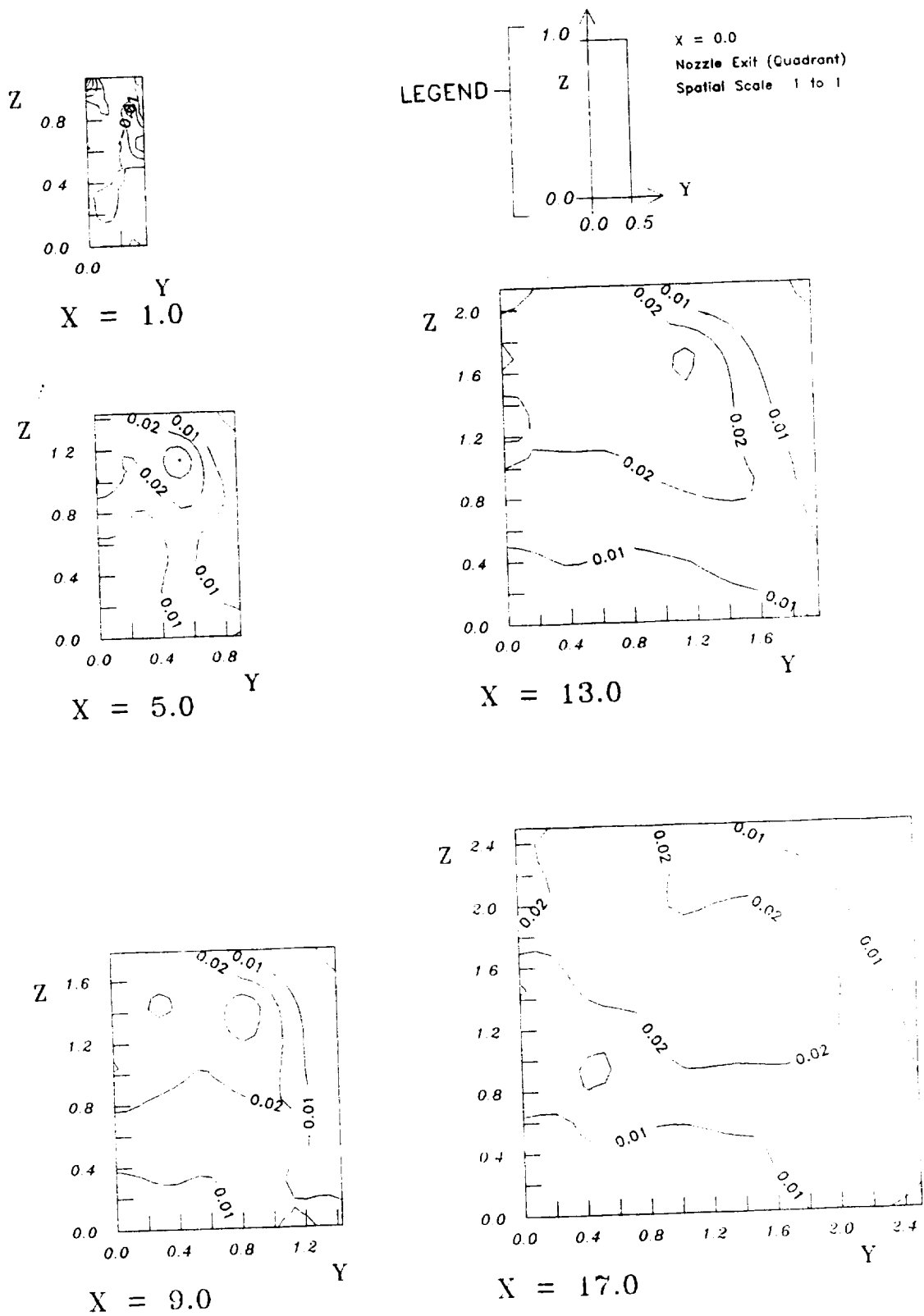


Fig. 40 1x4 Nozzle M=0.09 W/Ue

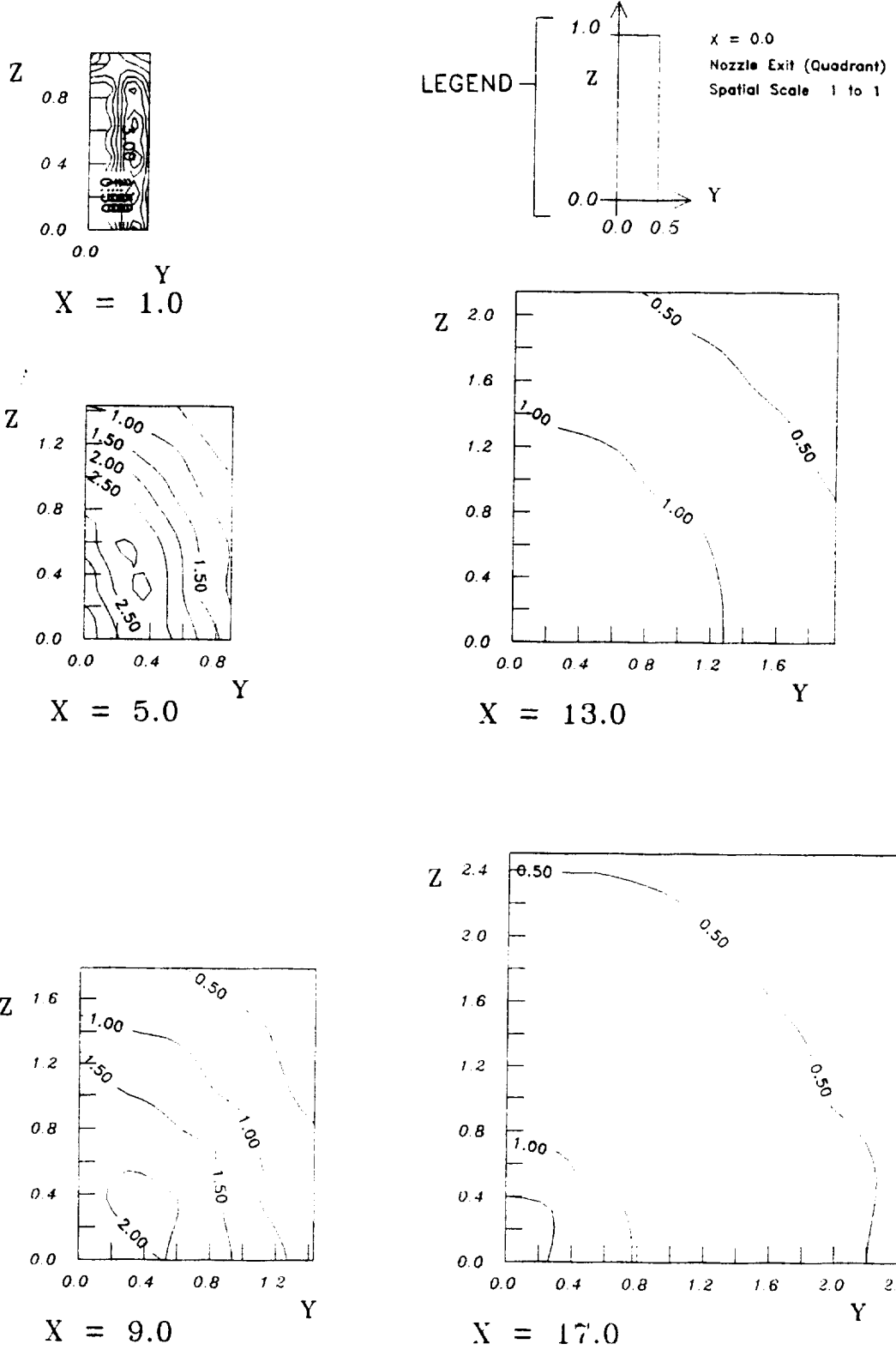


Fig. 41 1x4 Nozzle M=0.09 $uu/(UeUe)x100$

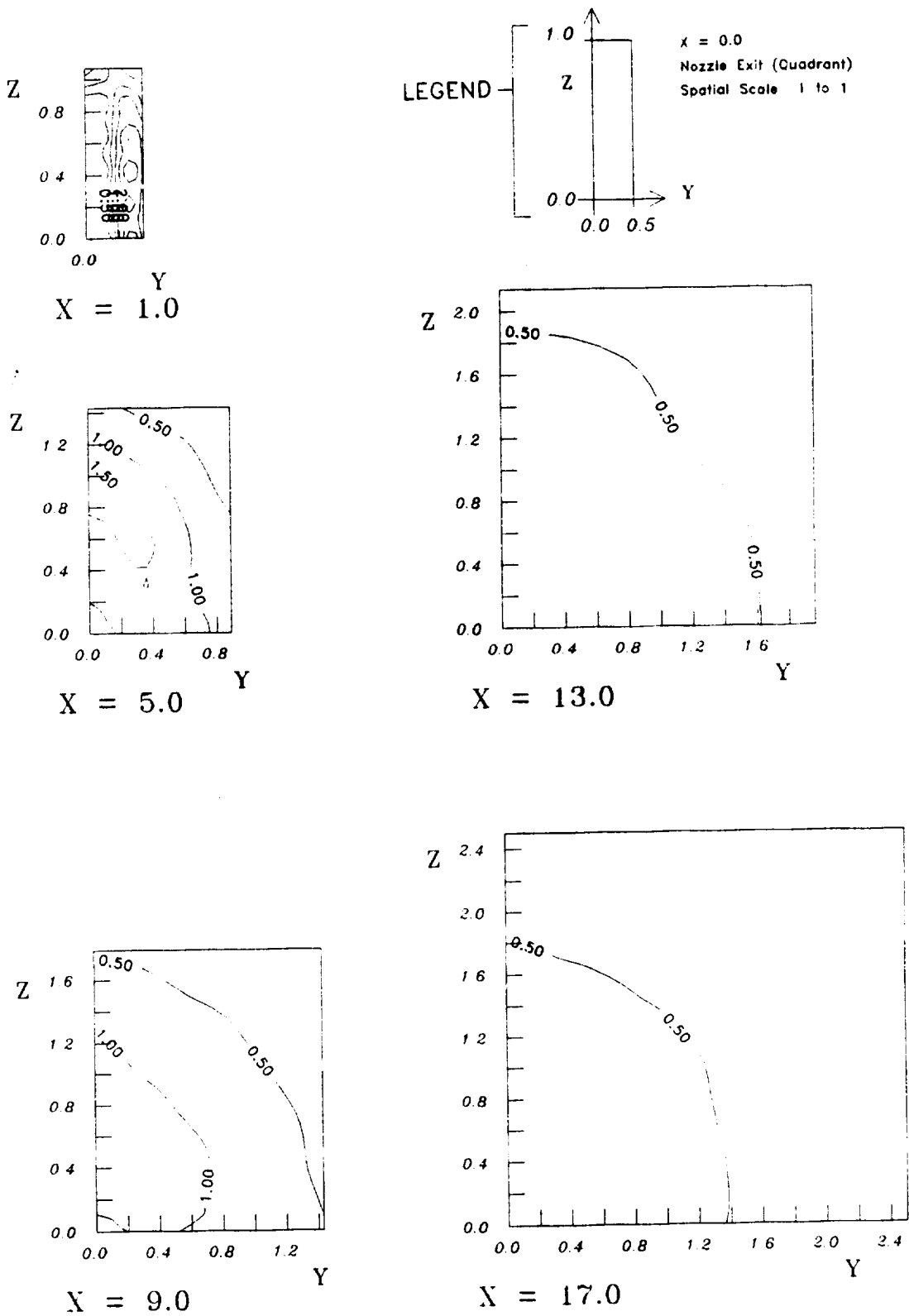


Fig. 42 1x4 Nozzle $M=0.09$ $vv/(UeUe)x100$

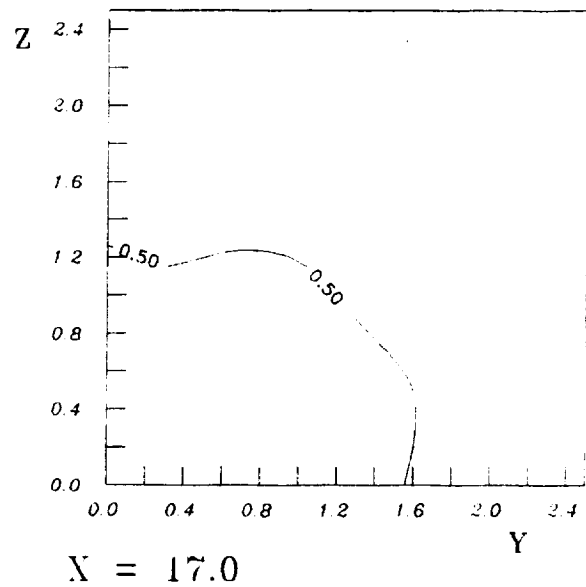
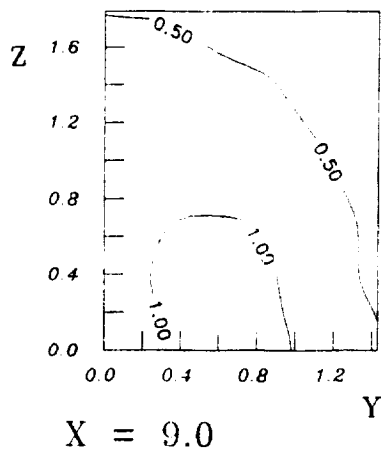
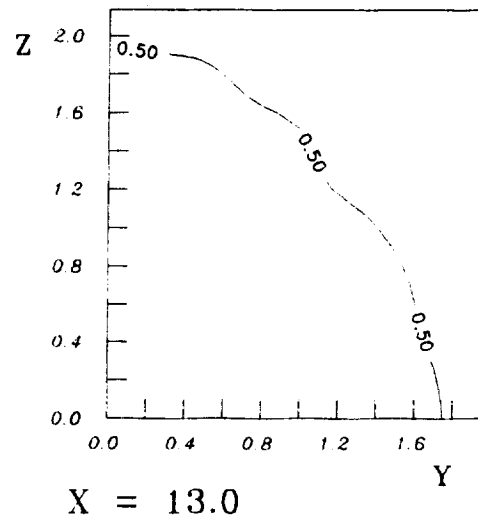
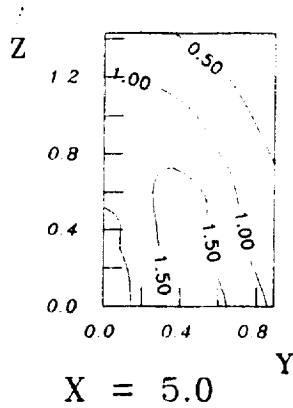
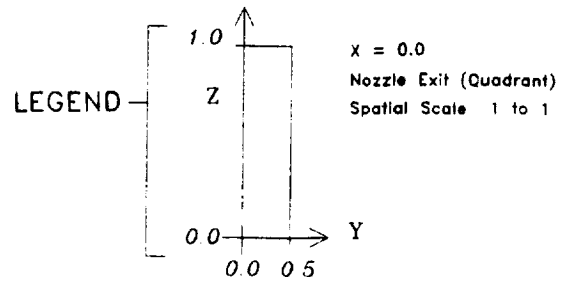
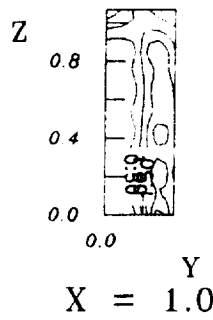


Fig. 43 1x4 Nozzle $M=0.09$ $w w / (U_e U_e) \times 100$

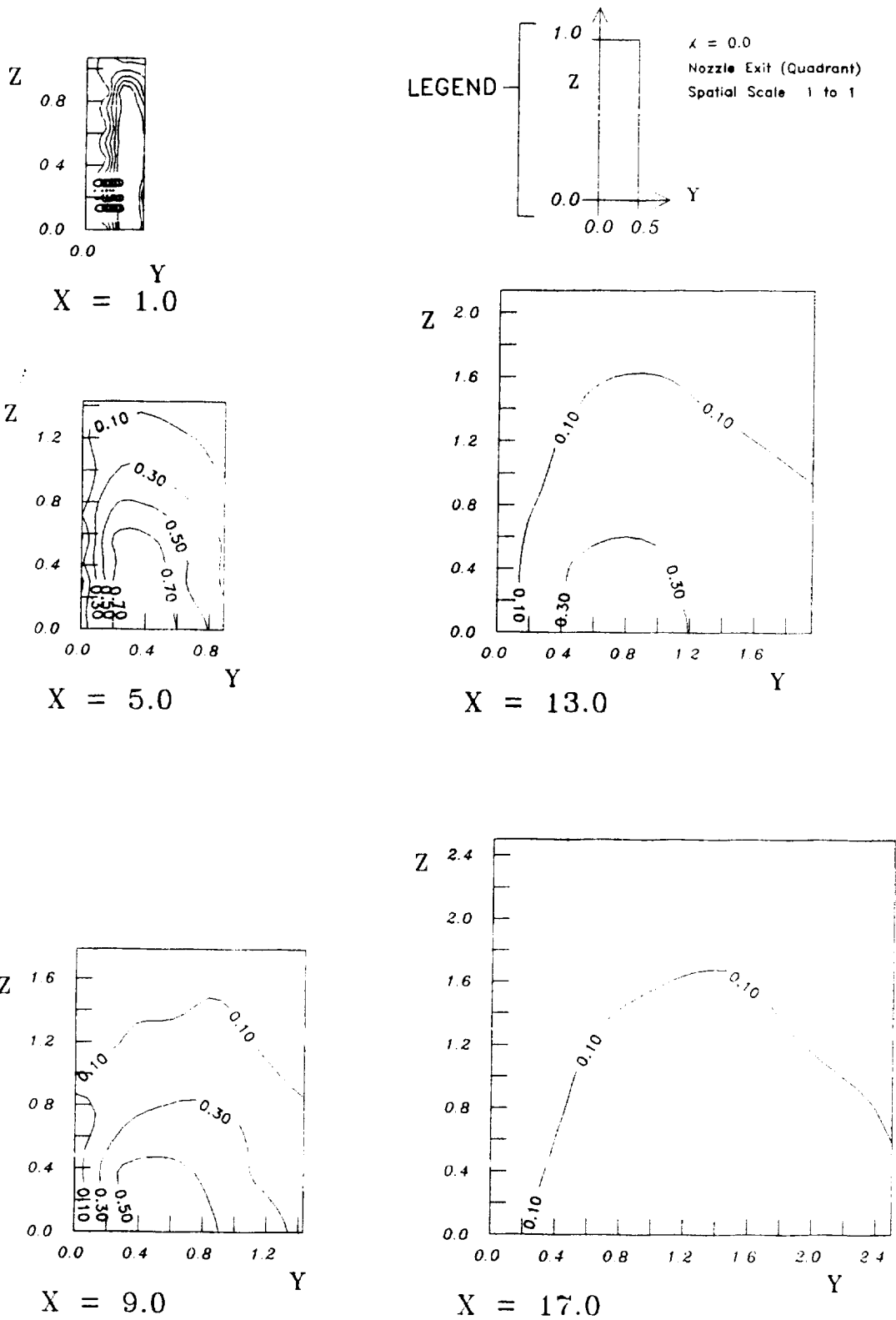


Fig. 44 1x4 Nozzle $M=0.09$ $uv/(UeUe)x100$

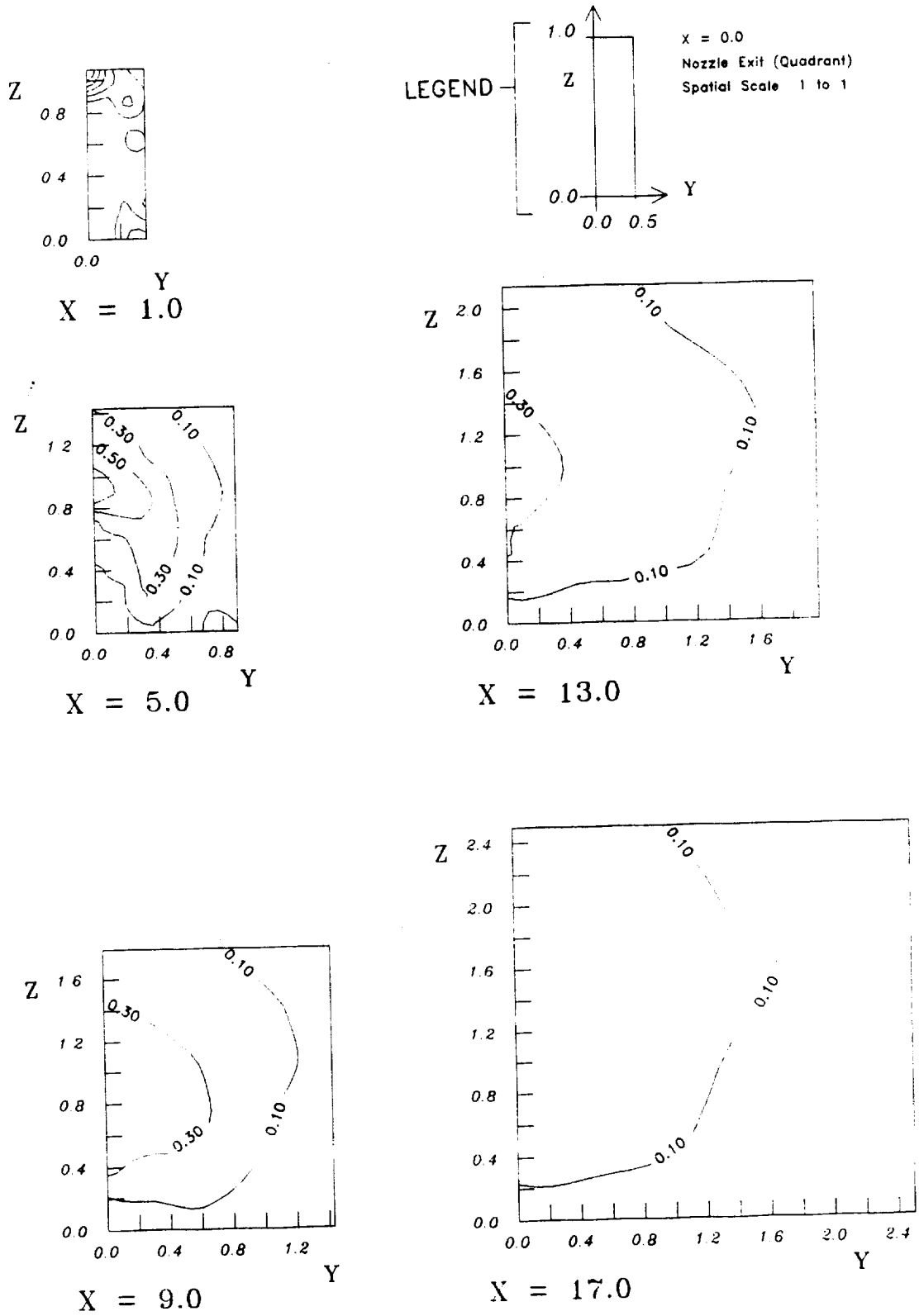


Fig. 45 1×4 Nozzle $M=0.09$ $uw/((UeUe) \times 100)$

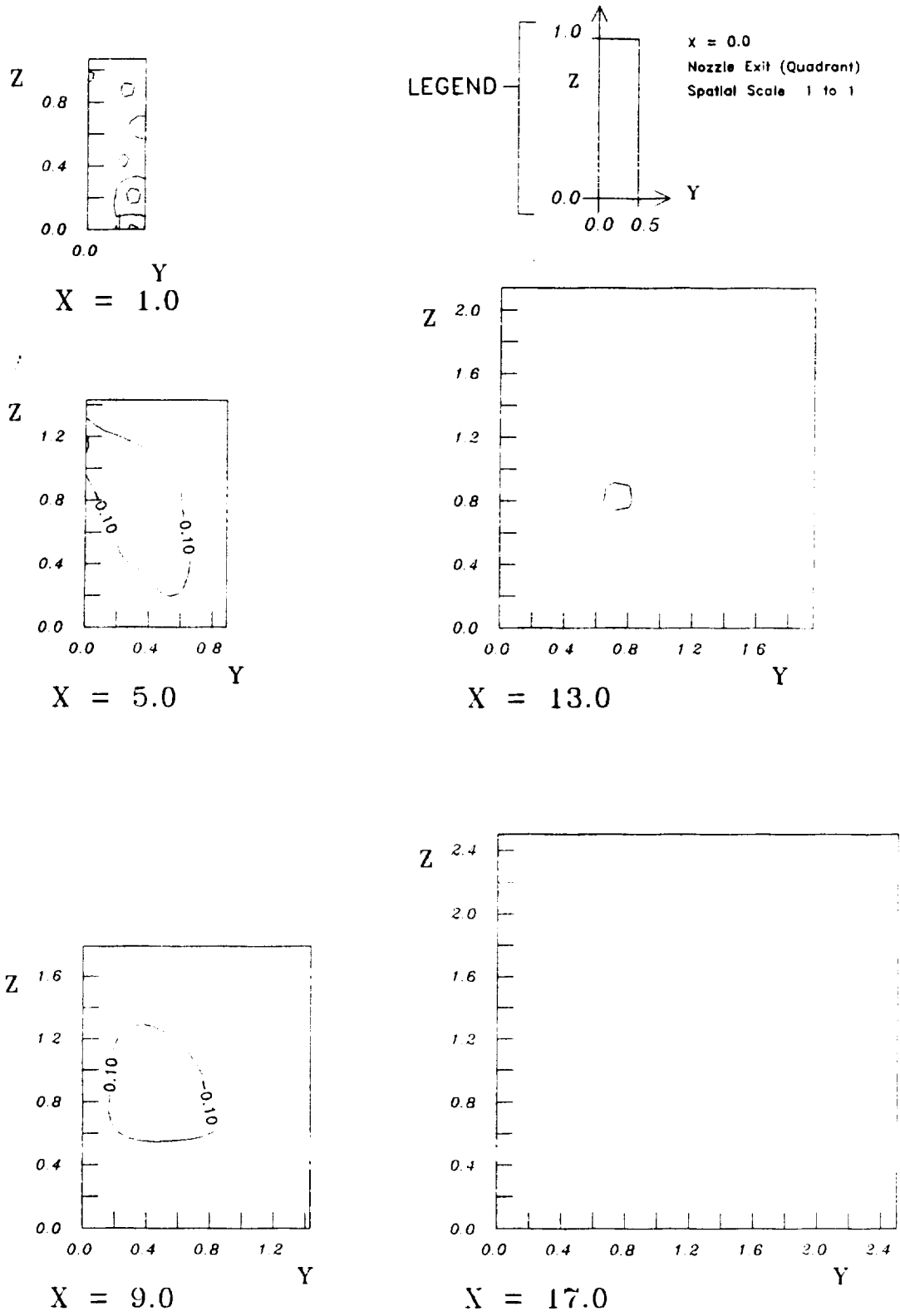


Fig. 46 1x4 Nozzle M=0.09 $vw/(UeUe) \times 100$

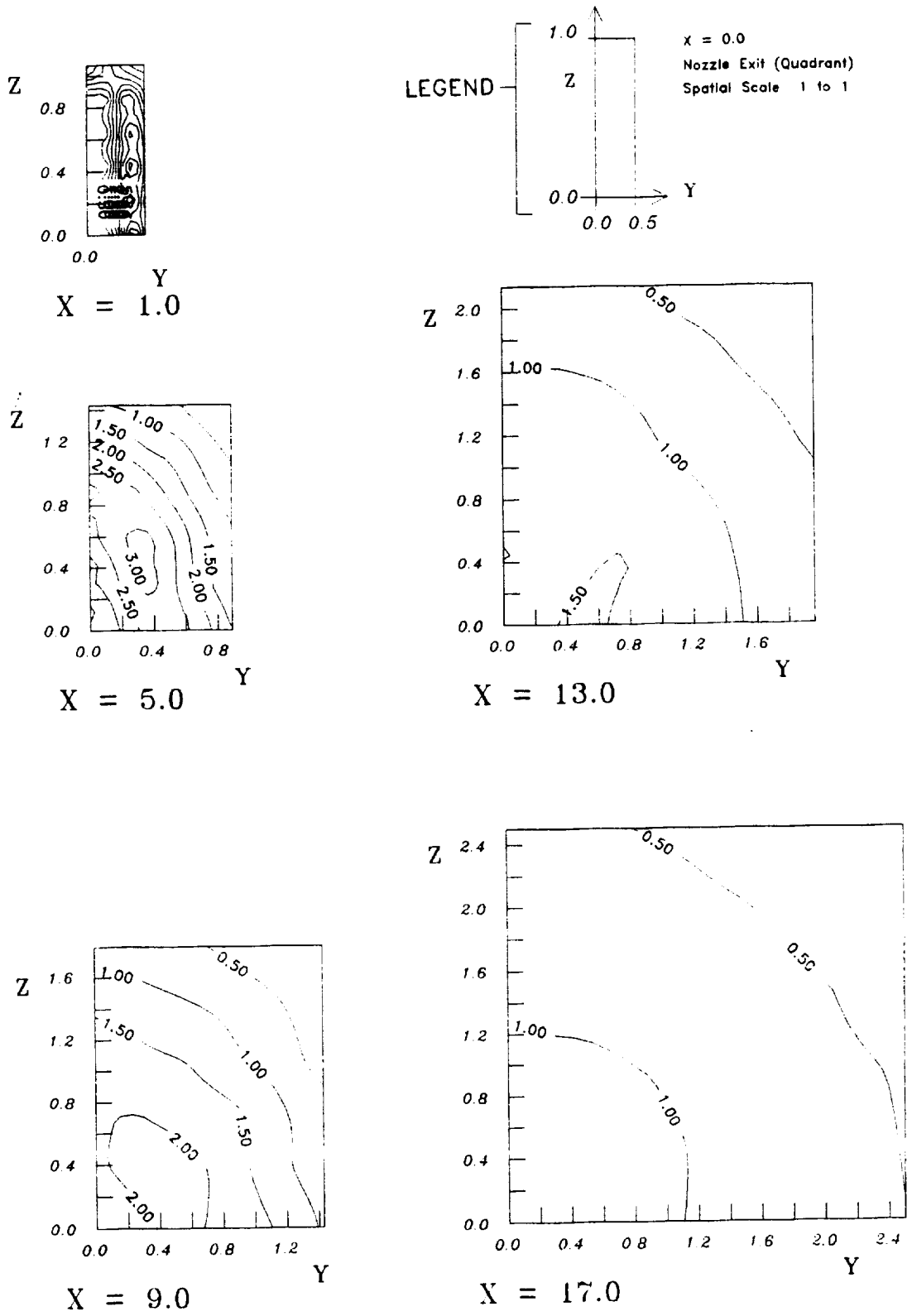
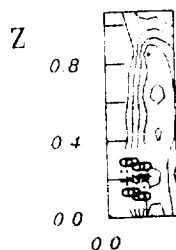
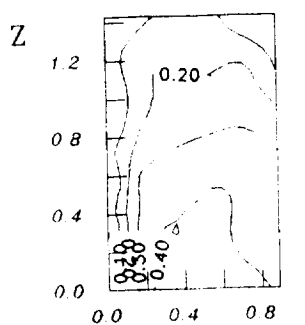
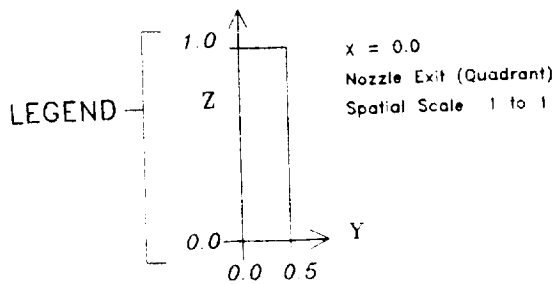


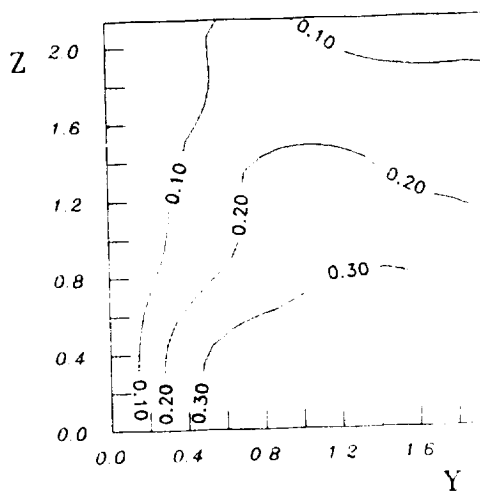
Fig. 47 1x4 Nozzle $M=0.09$ $k/(UeUe) \times 100$



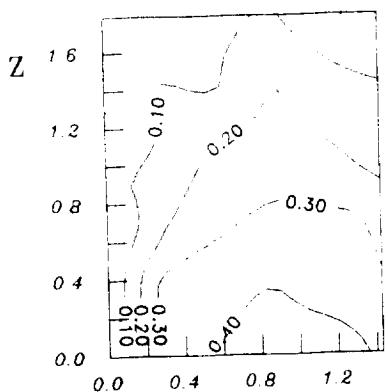
$X = 1.0$



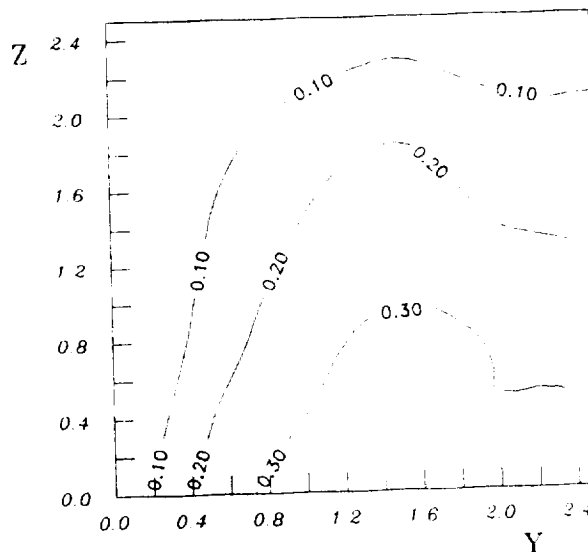
$X = 5.0$



$X = 13.0$



$X = 9.0$



$X = 17.0$

Fig. 48 1x4 Nozzle $M=0.09$ C.C.(uv)

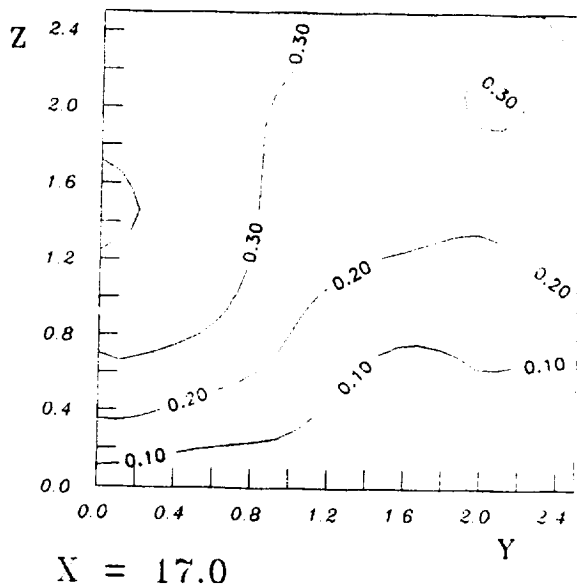
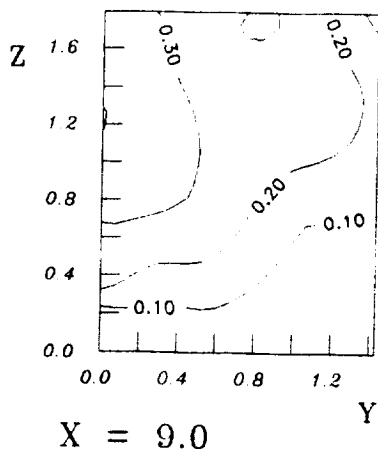
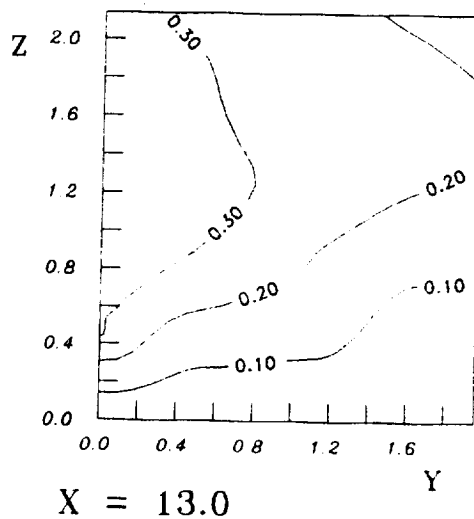
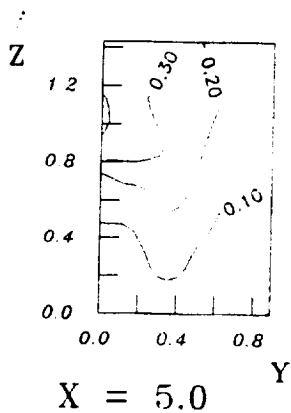
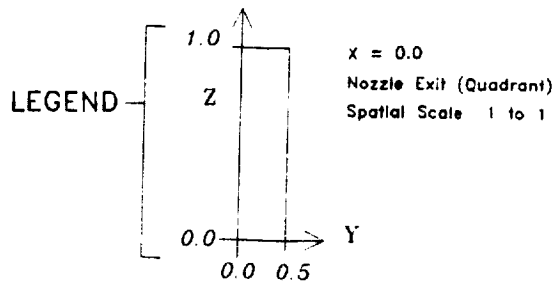
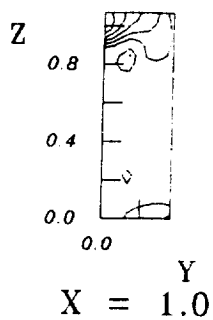


Fig. 49 1x4 Nozzle $M=0.09$ C.C.(uw)

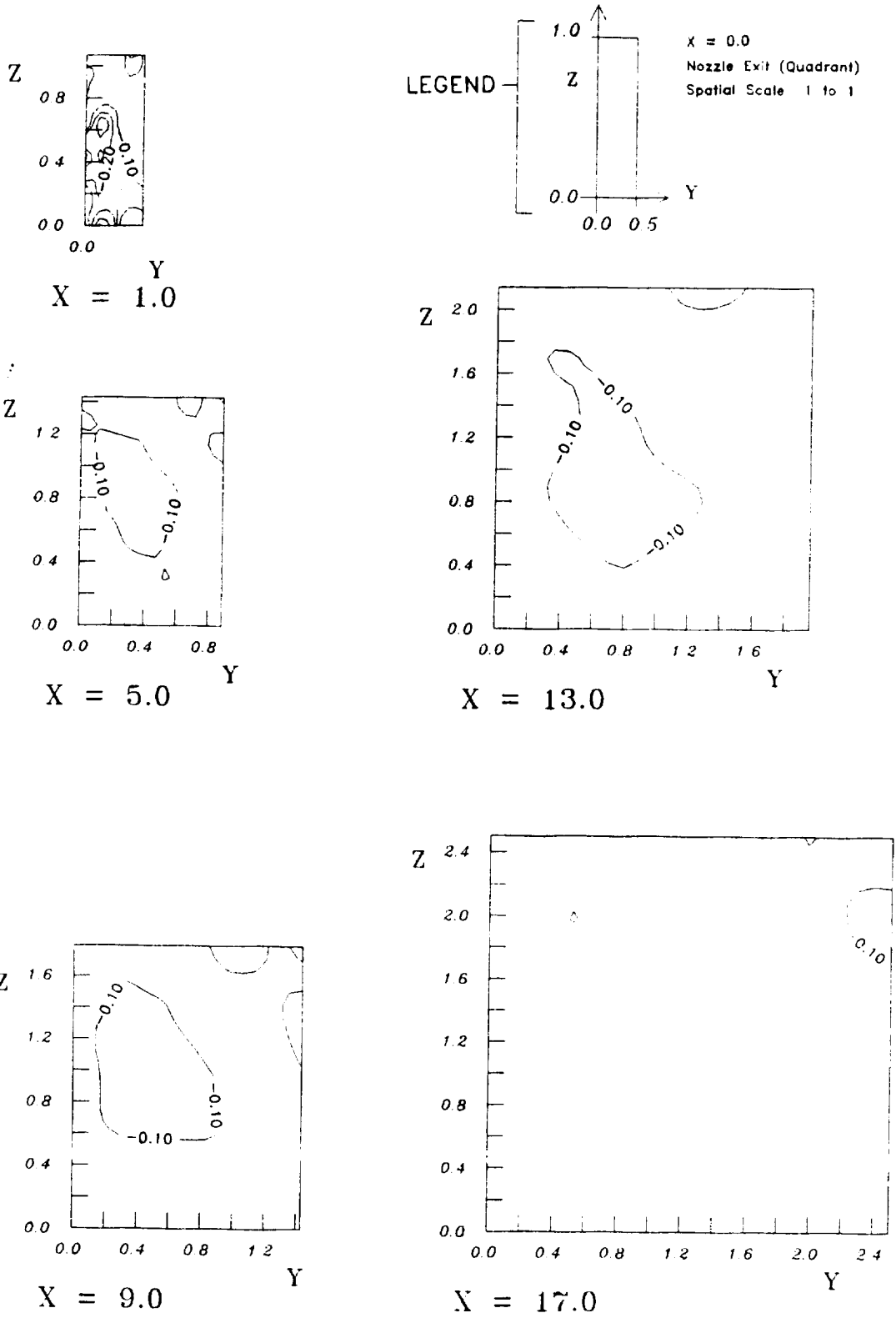
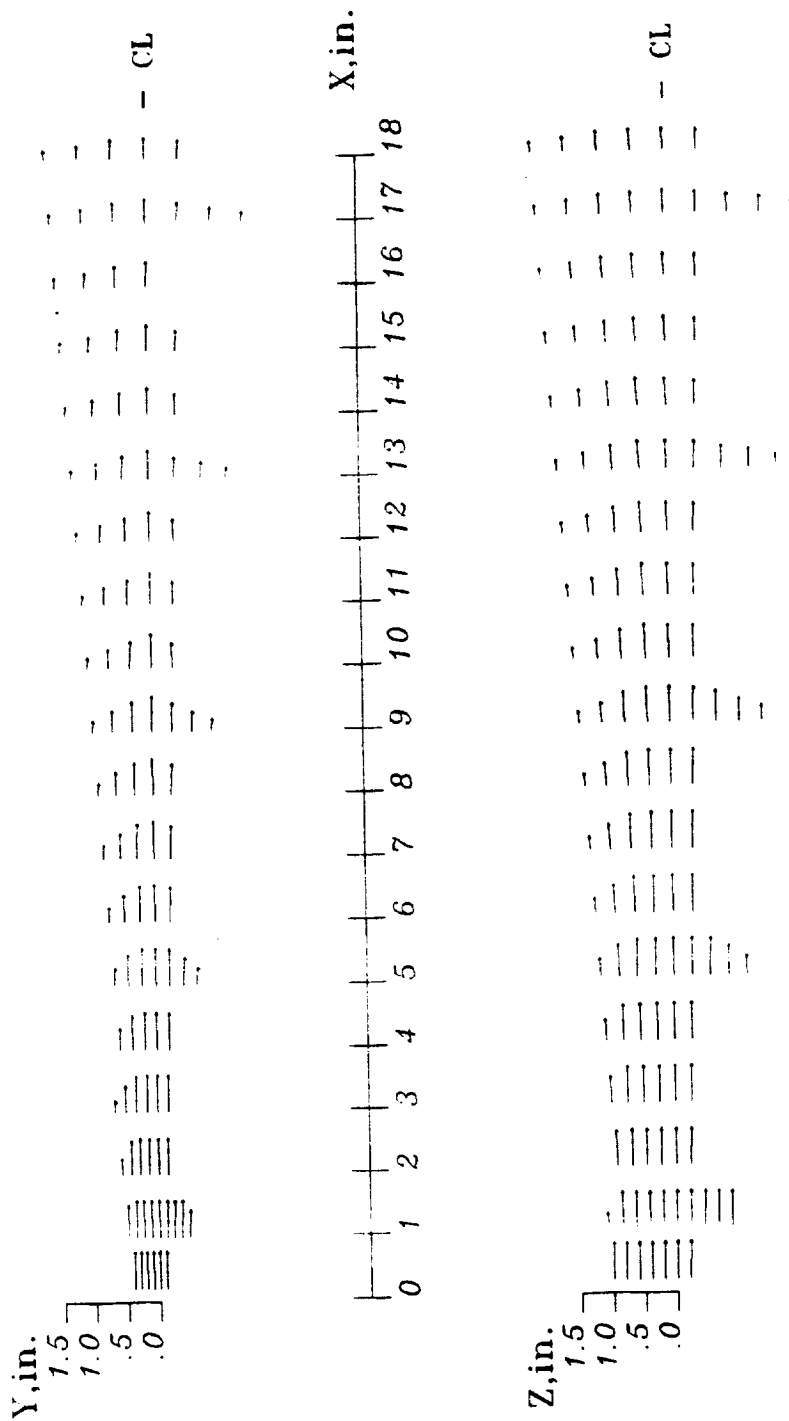


Fig. 50 1×4 Nozzle $M=0.09$ C.C.(vw)



Spatial Scale 1 to 3 Vector Scale $U_e = \rightarrow$
Fig. 51 1x2 Nozzle $M=0.9$ Velocity Vectors

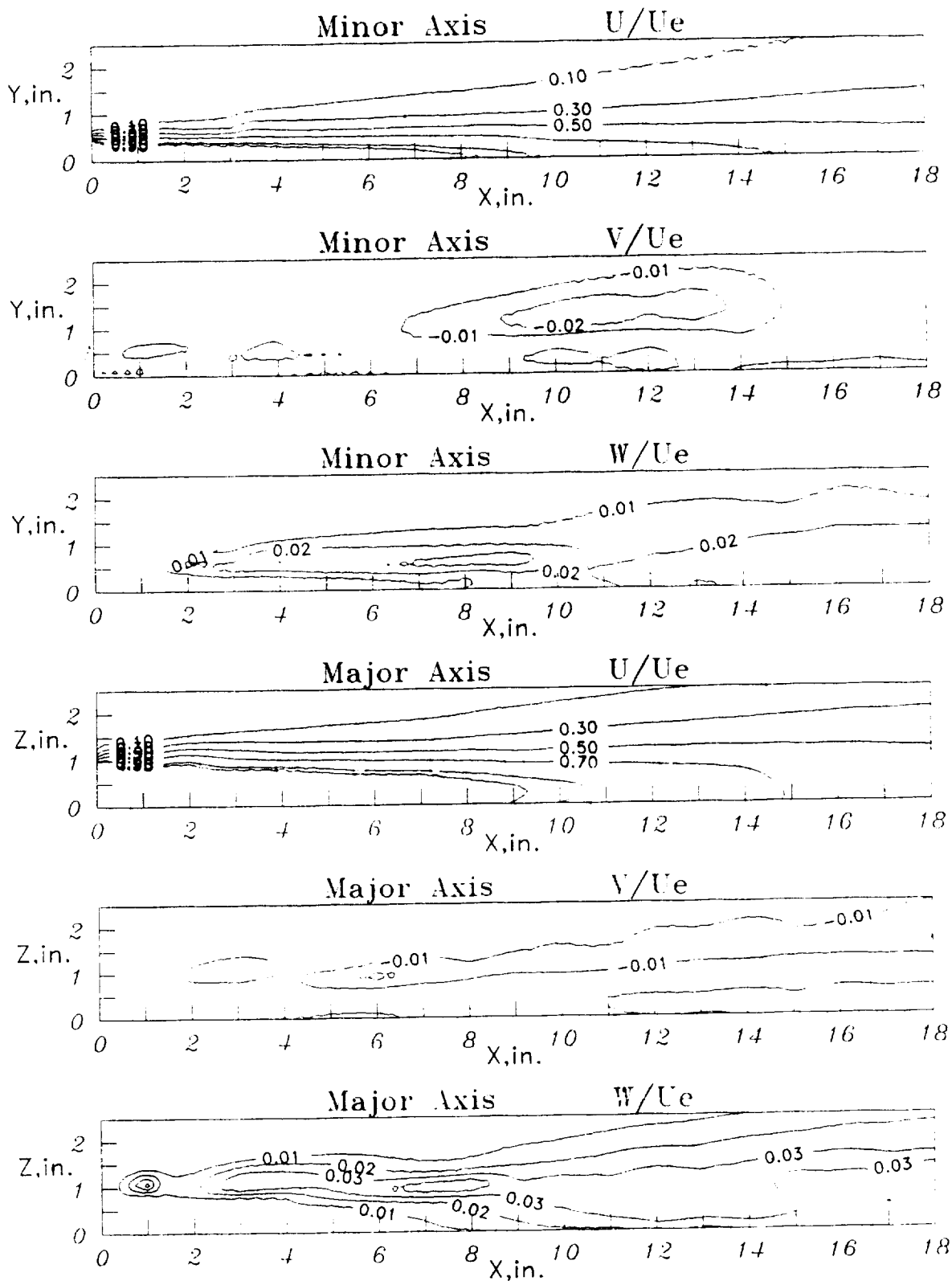


Fig. 52 1x2 Nozzle $M=0.9$ Mean Velocity

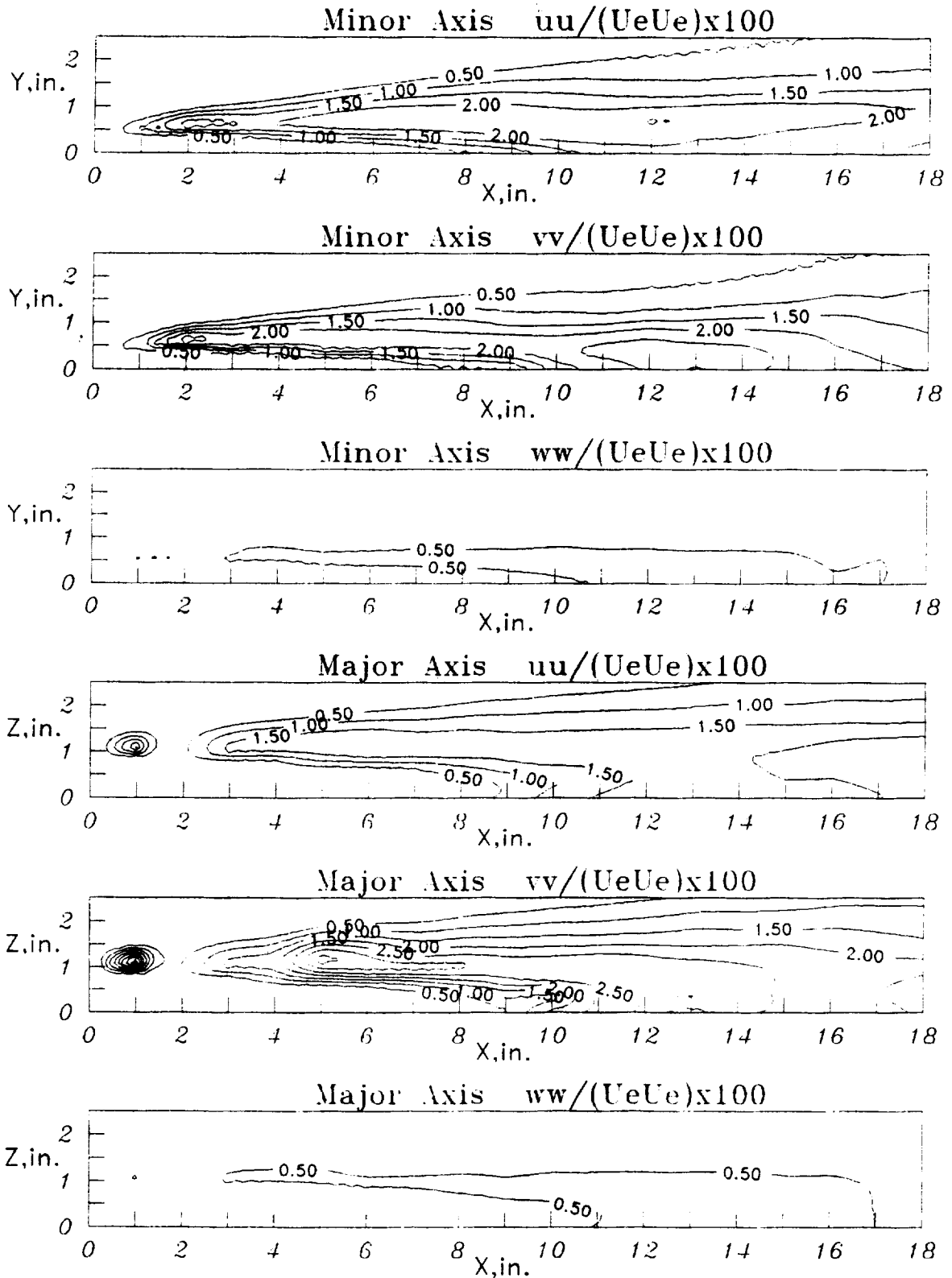


Fig. 53 1x2 Nozzle M=0.9 Velocity Variance

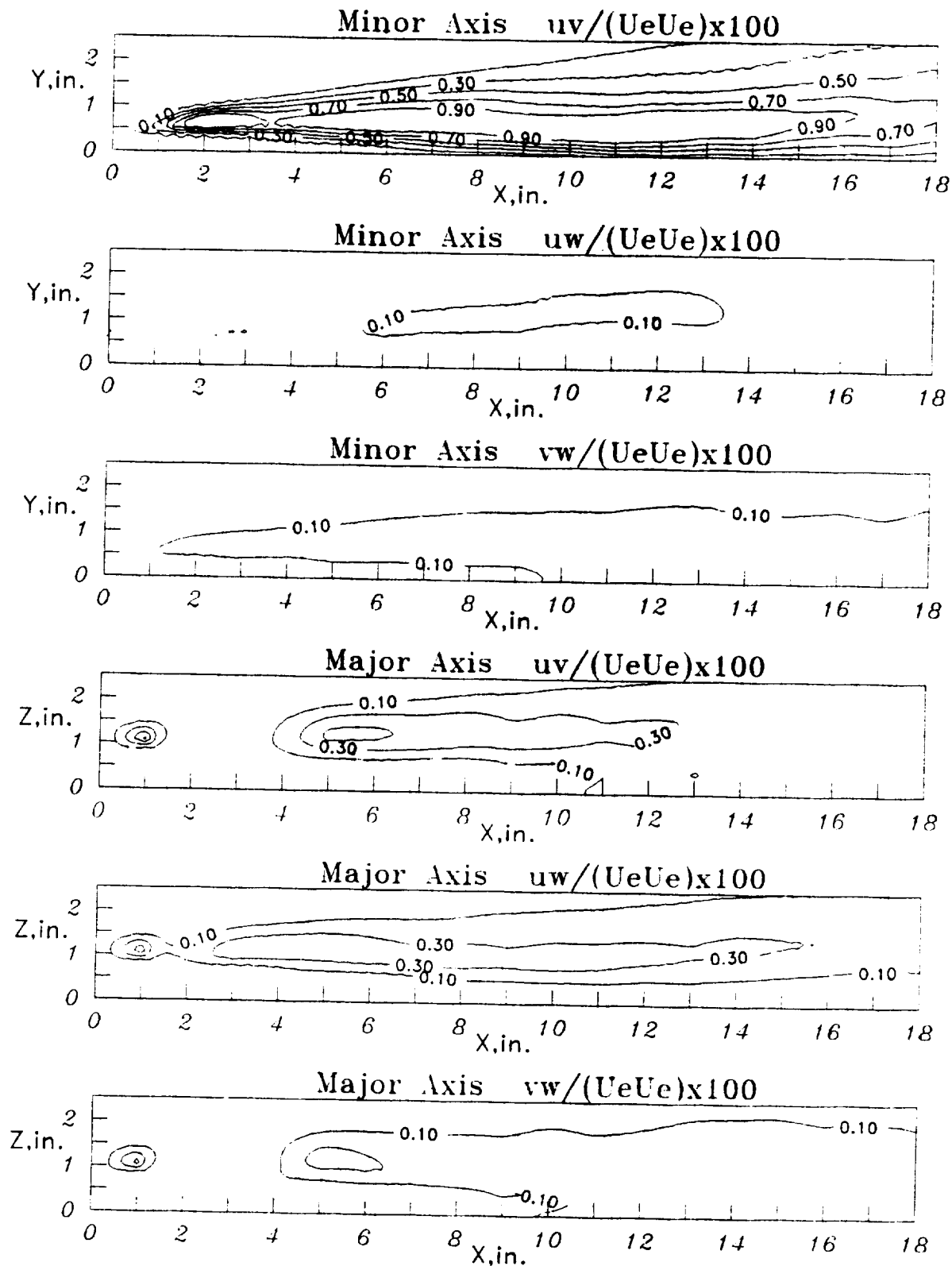


Fig. 54 1x2 Nozzle $M=0.9$ Velocity Covariance

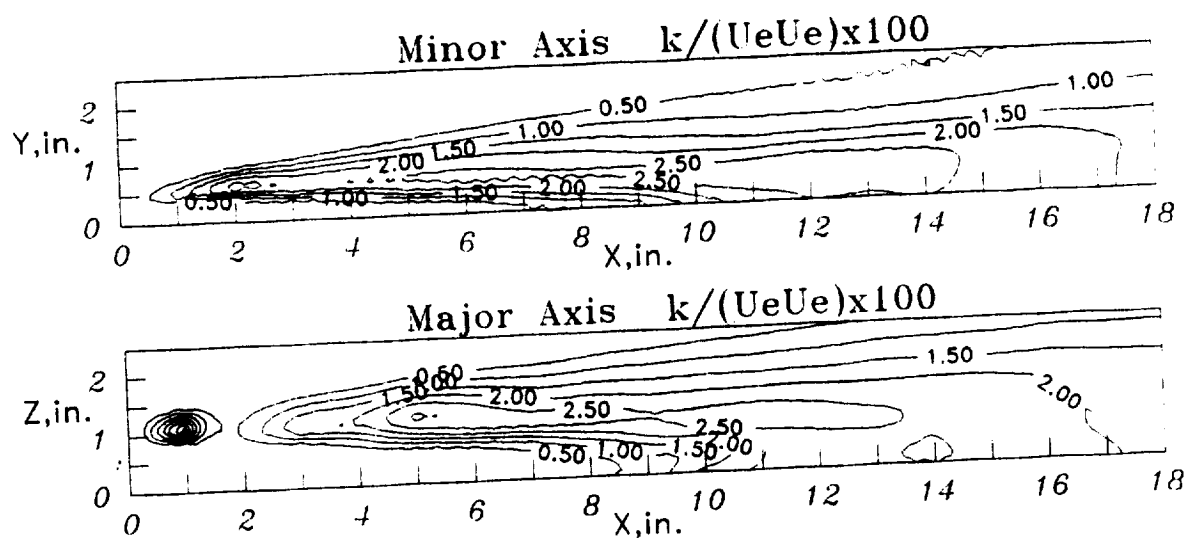


Fig. 55 1x2 Nozzle $M=0.9$ Turbulent K.E. (k)

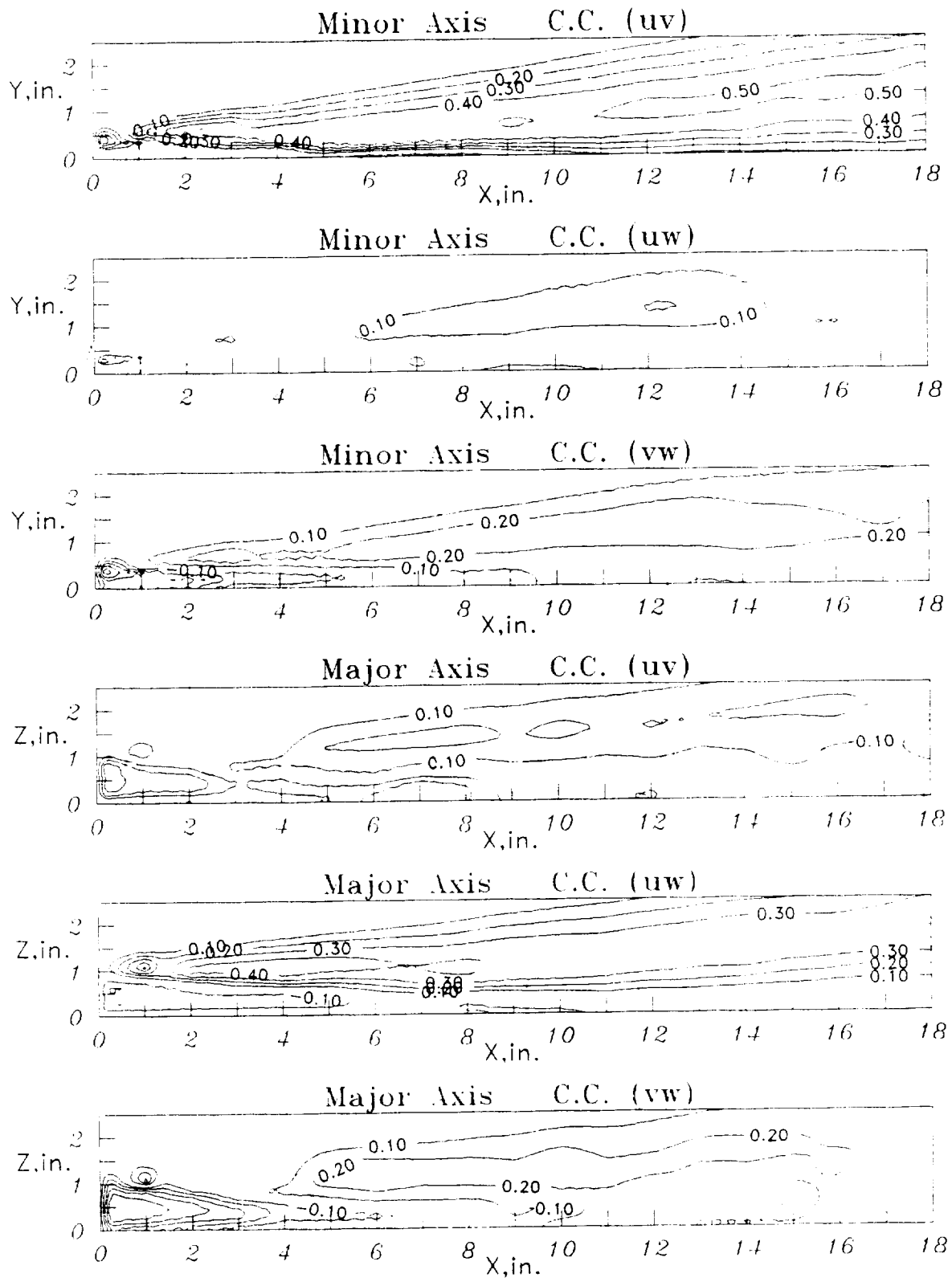


Fig. 56 1x2 Nozzle M=0.9 Velocity Correlation

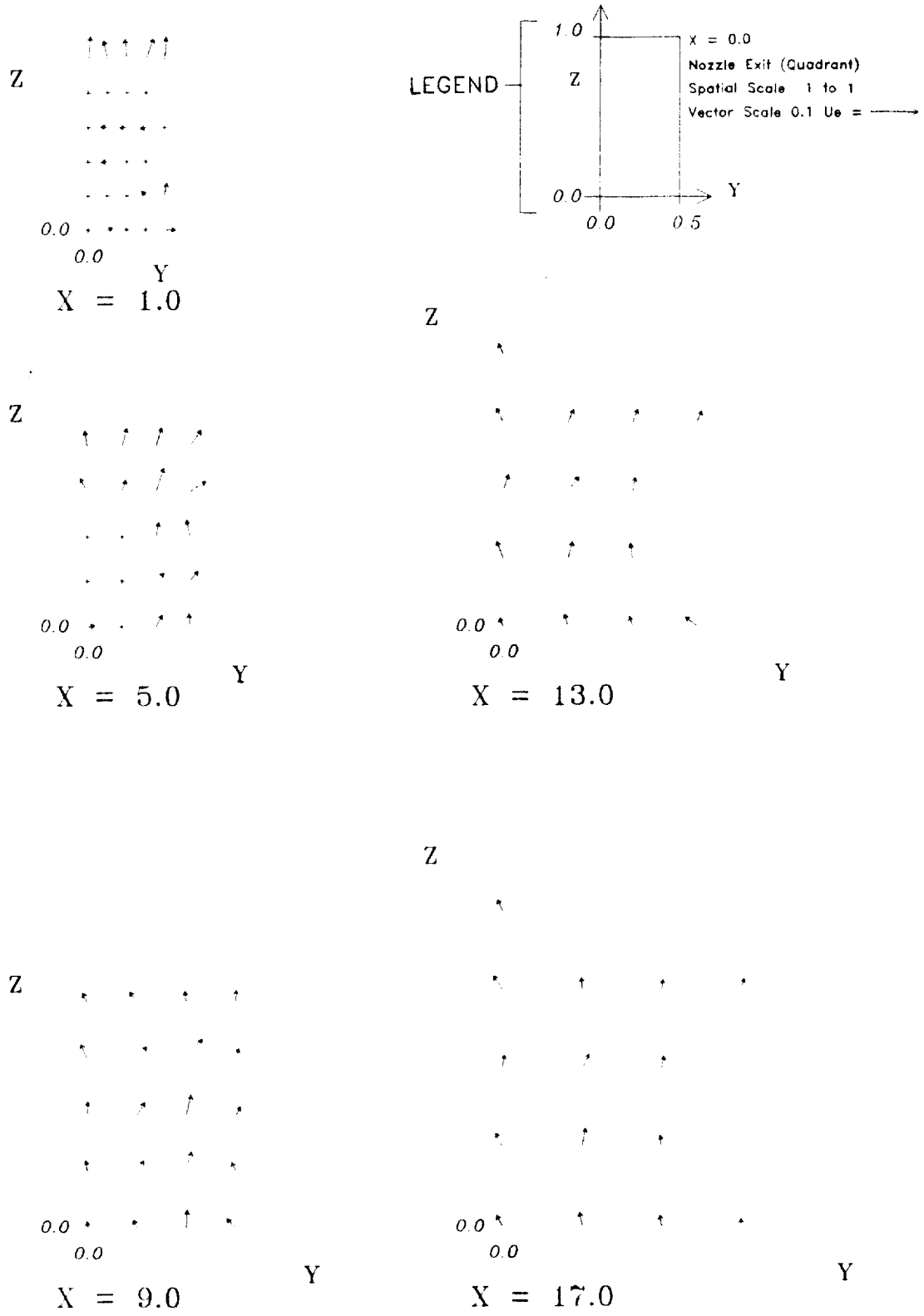
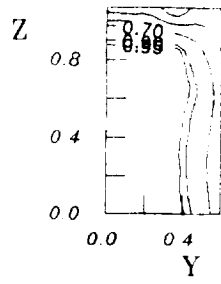
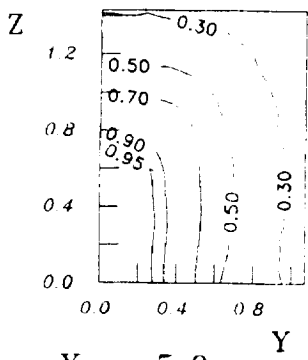
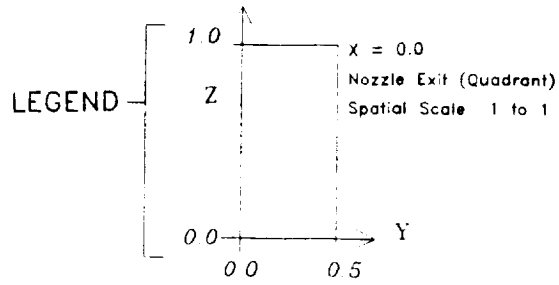


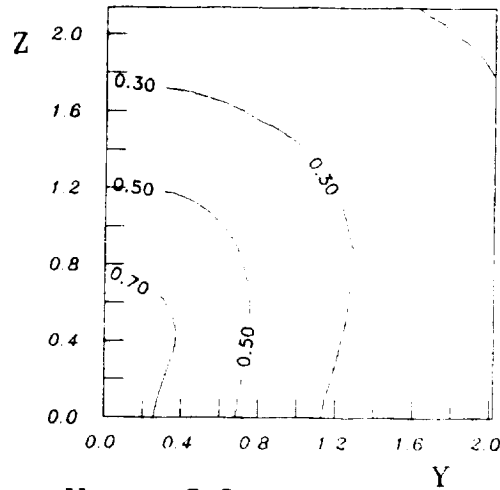
Fig. 57 1x2 Nozzle M=0.9 Velocity Vectors



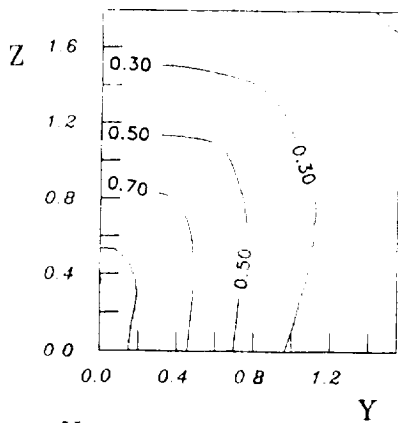
$X = 1.0$



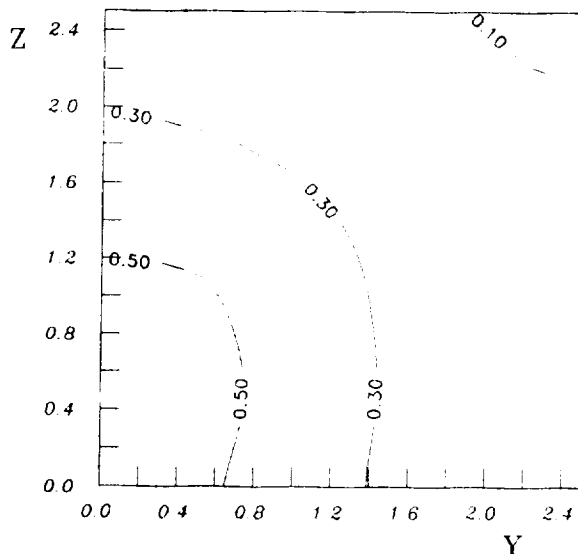
$X = 5.0$



$X = 13.0$



$X = 9.0$



$X = 17.0$

Fig. 58 $M=0.9$ 1x2 Nozzle U/u_e

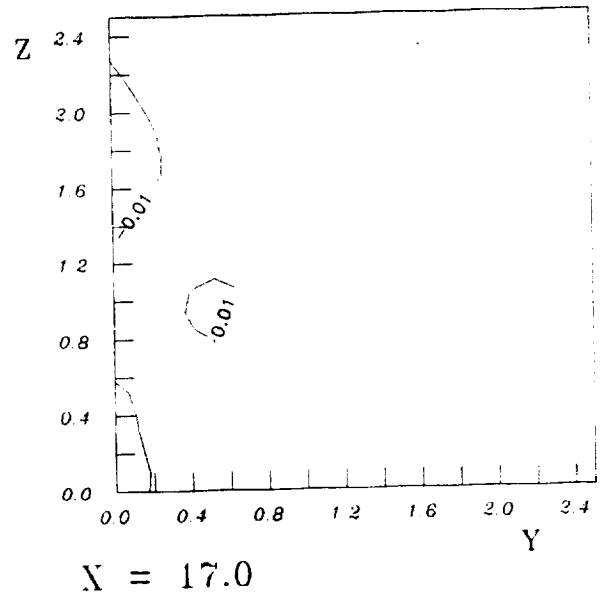
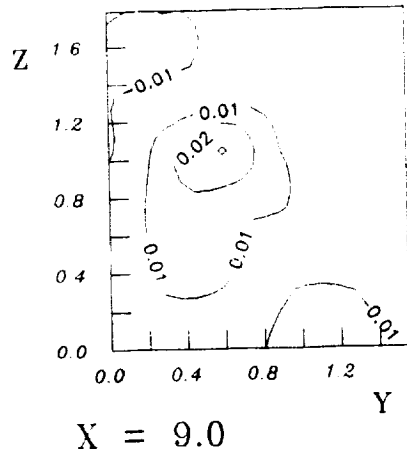
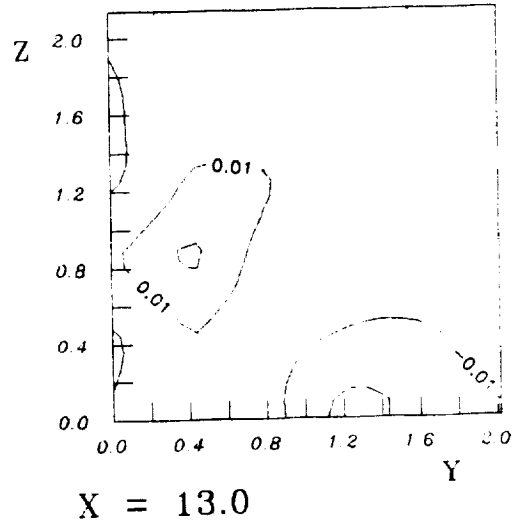
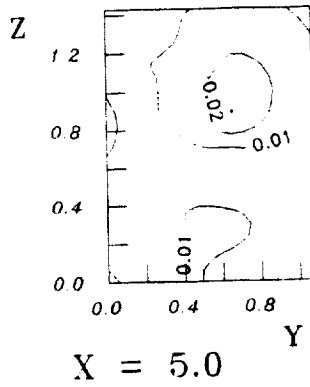
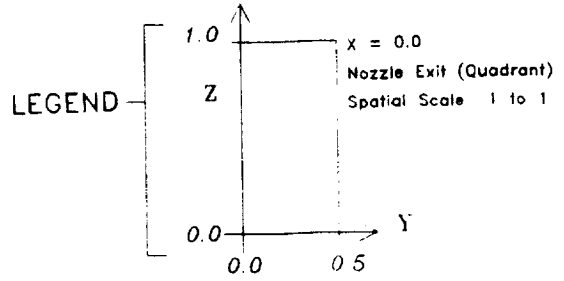
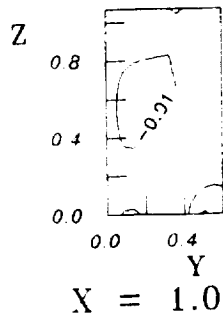


Fig. 59 1x2 Nozzle $M=0.9$ V/U_e

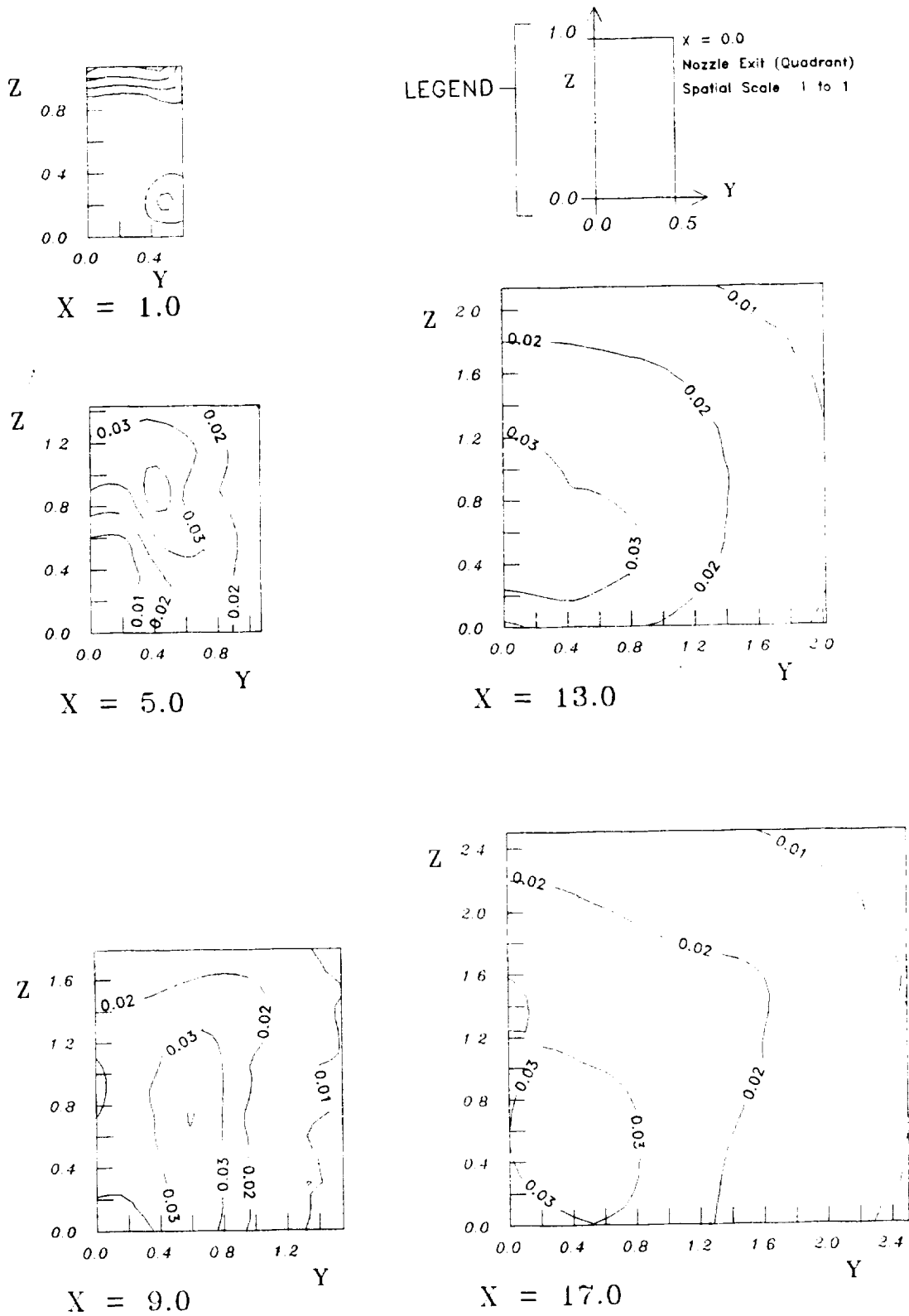


Fig. 60 1x2 Nozzle $M=0.9$ W/U_e

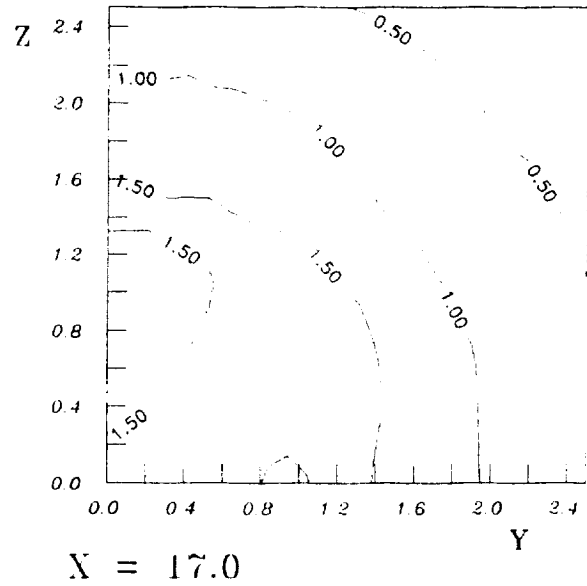
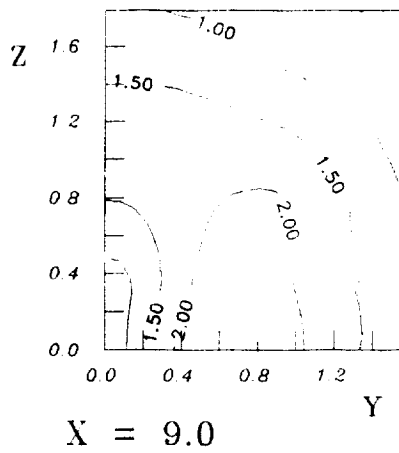
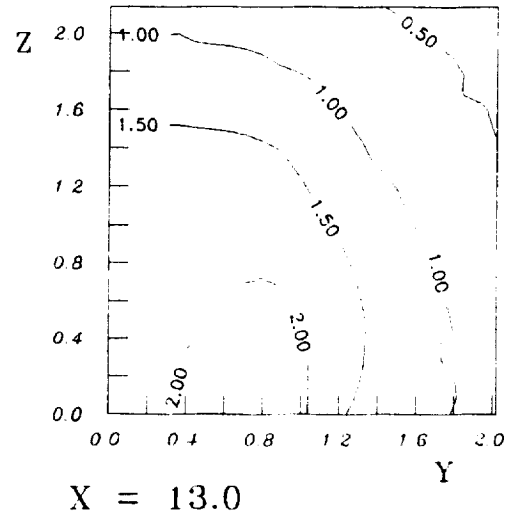
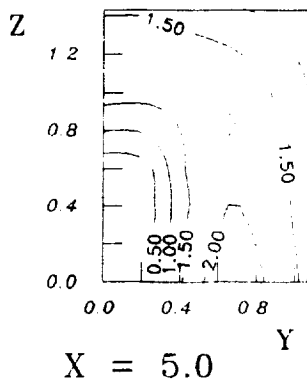
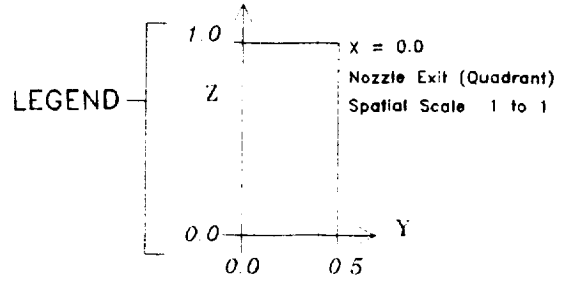
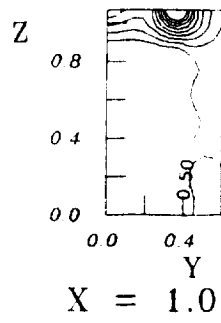


Fig. 61 1x2 Nozzle $M=0.9$ $uu/(UeUe) \times 100$

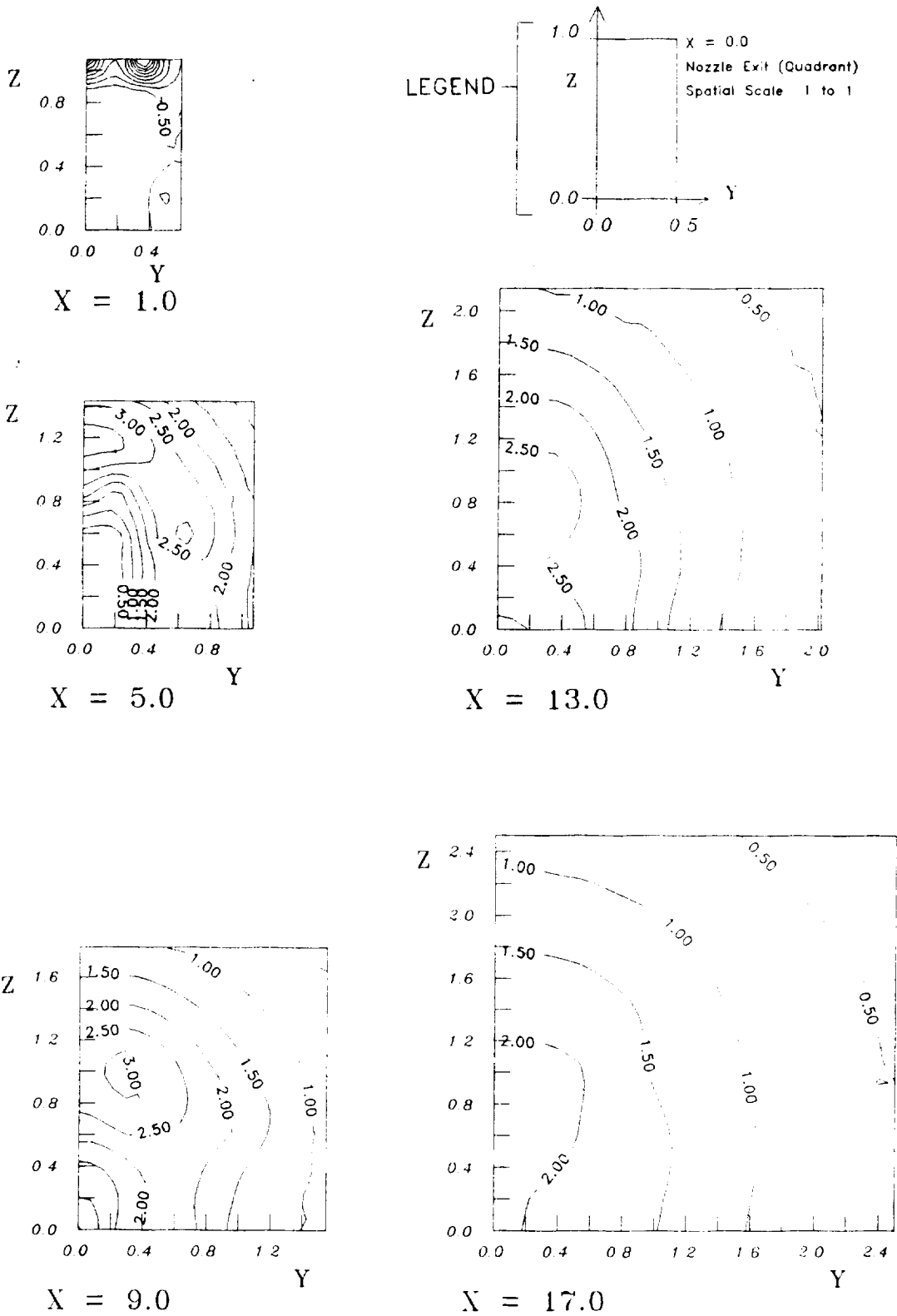
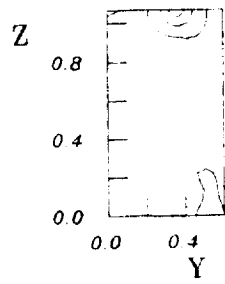
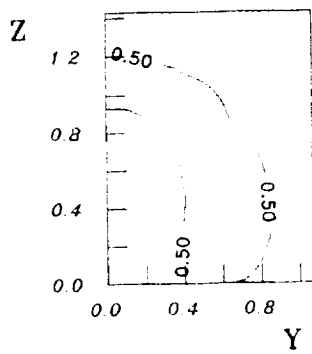
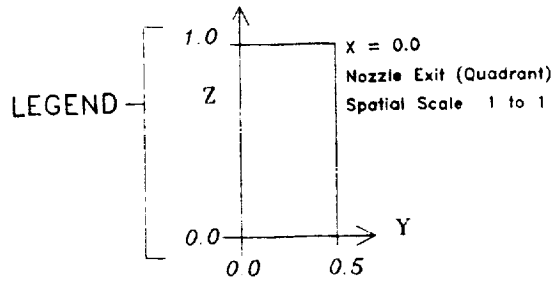


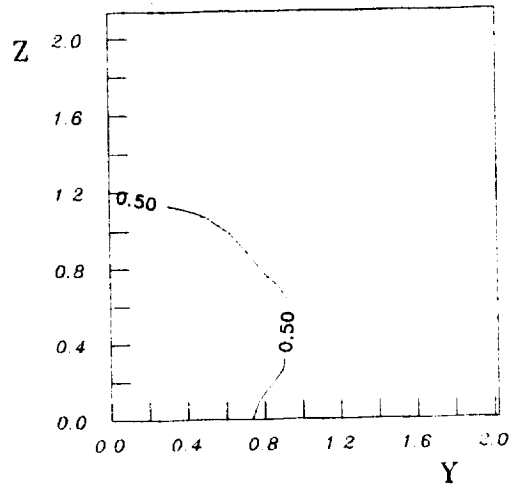
Fig. 62 1x2 Nozzle $M=0.9$ $vv/(UeUe)x100$



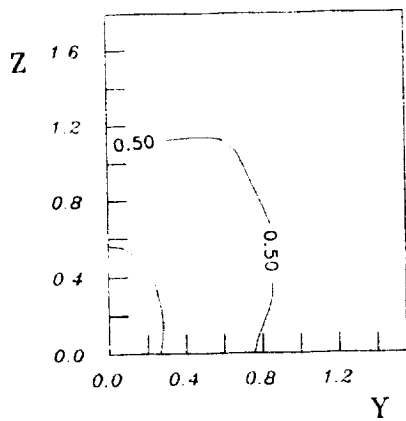
X = 1.0



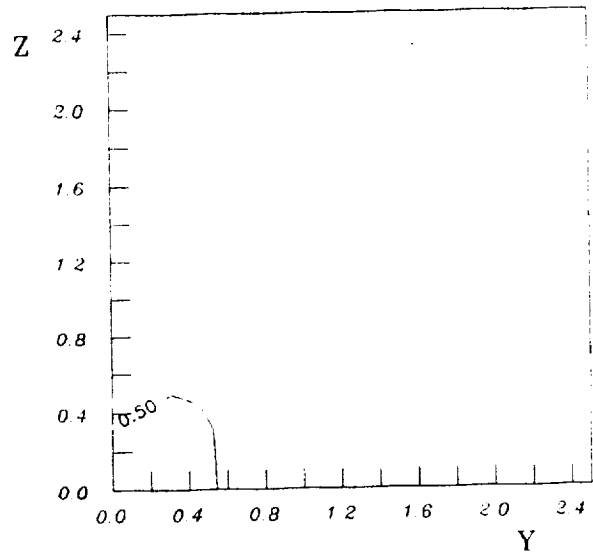
X = 5.0



X = 13.0



X = 9.0



X = 17.0

Fig. 63 1x2 Nozzle M=0.9 $w/(U_e U_e) \times 100$

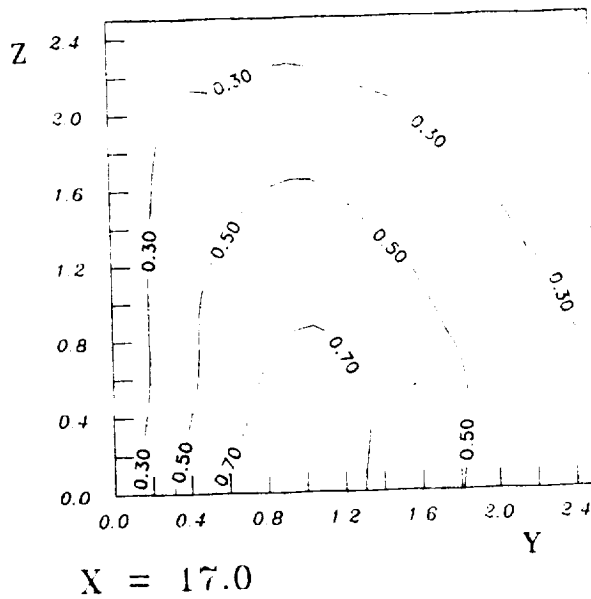
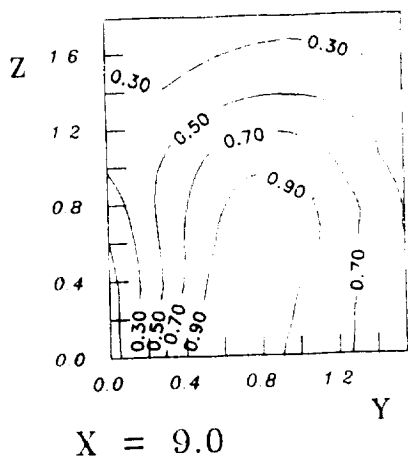
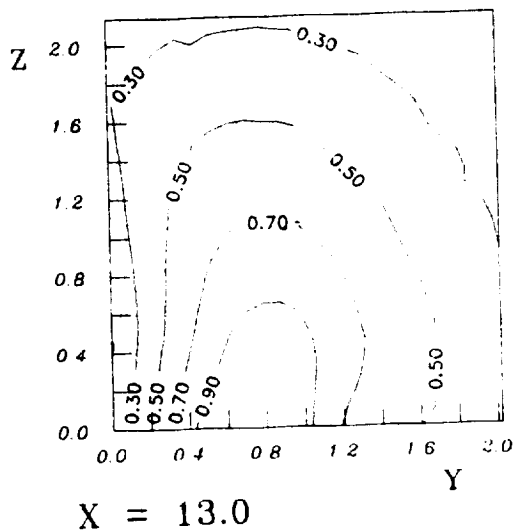
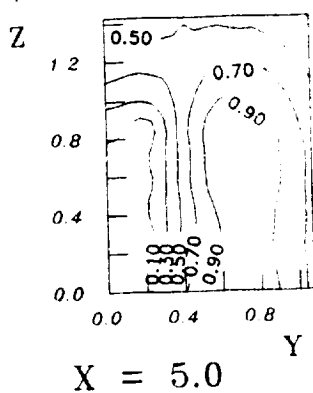
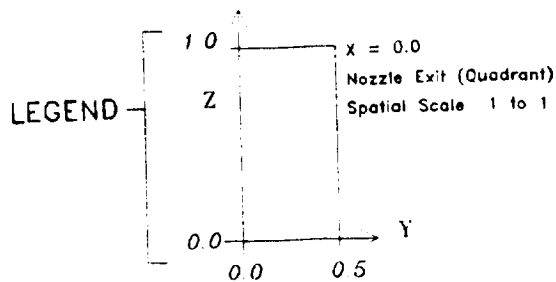
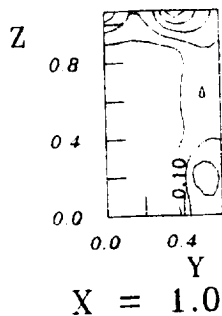


Fig. 64 1x2 Nozzle M=0.9 $uv/(UeUe) \times 100$

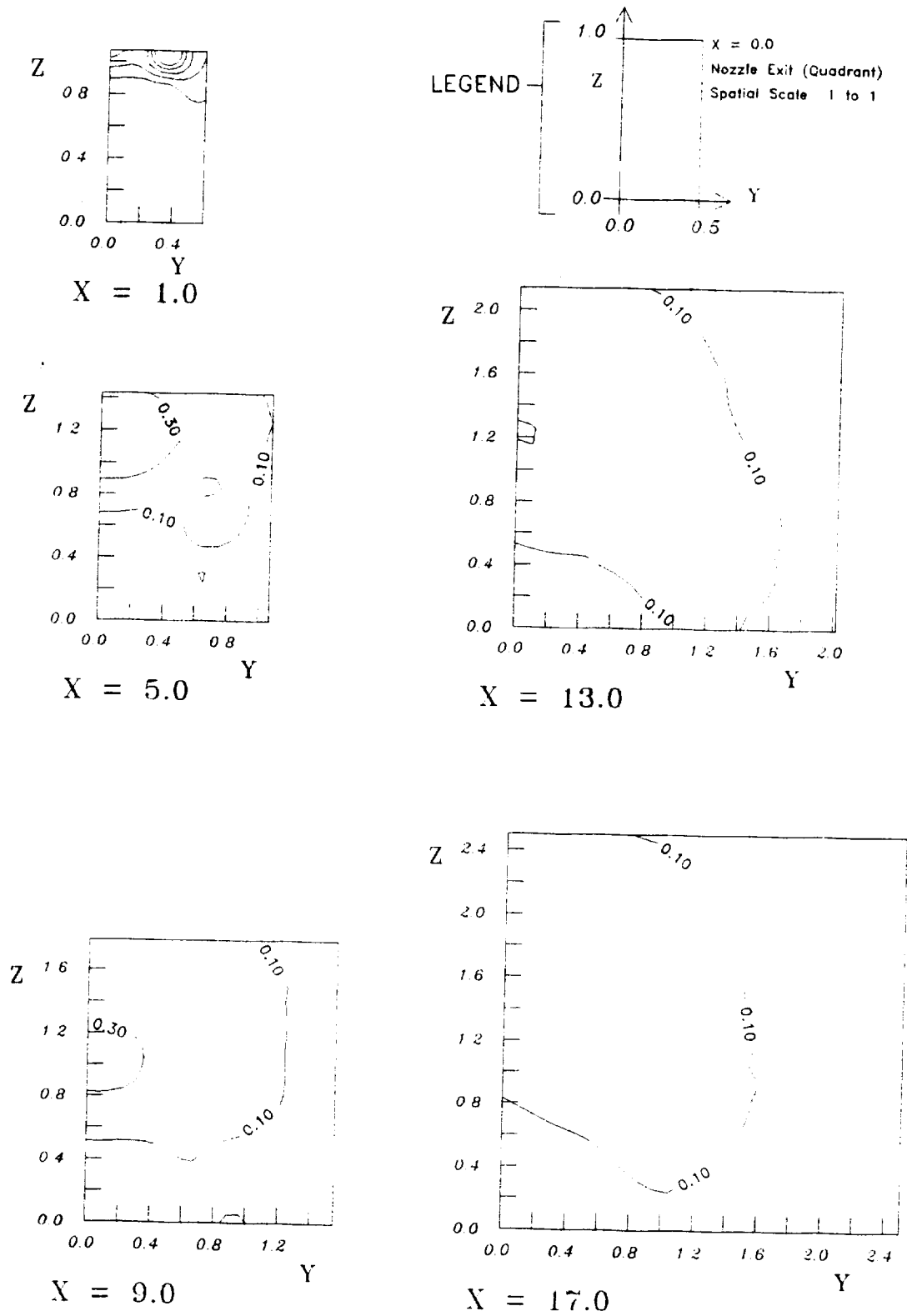


Fig. 65 1x2 Nozzle $M=0.9$ $uw/(UeUe)x100$

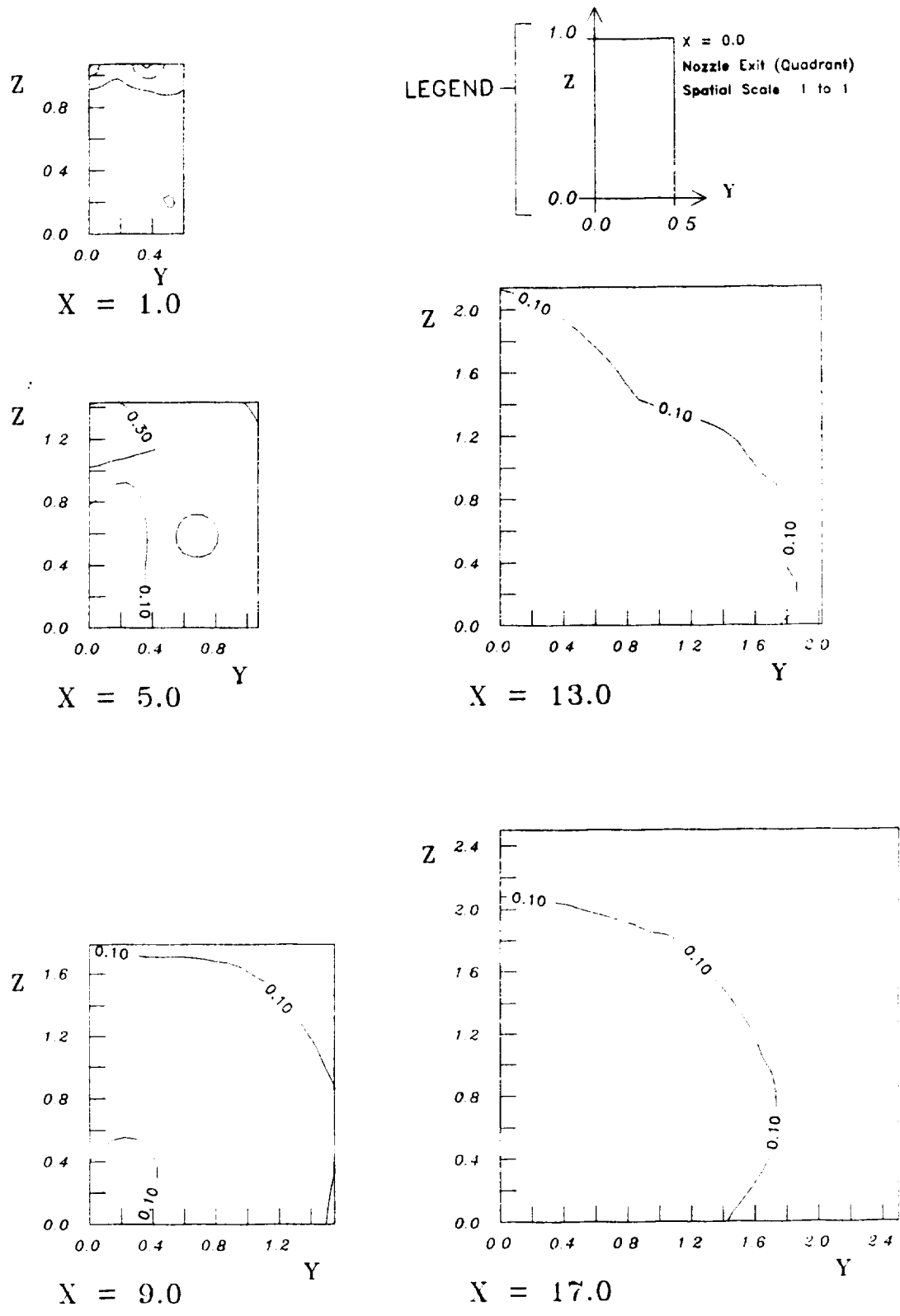


Fig. 66 1x2 Nozzle M=0.9 $vw/(U_e U_c) \times 100$

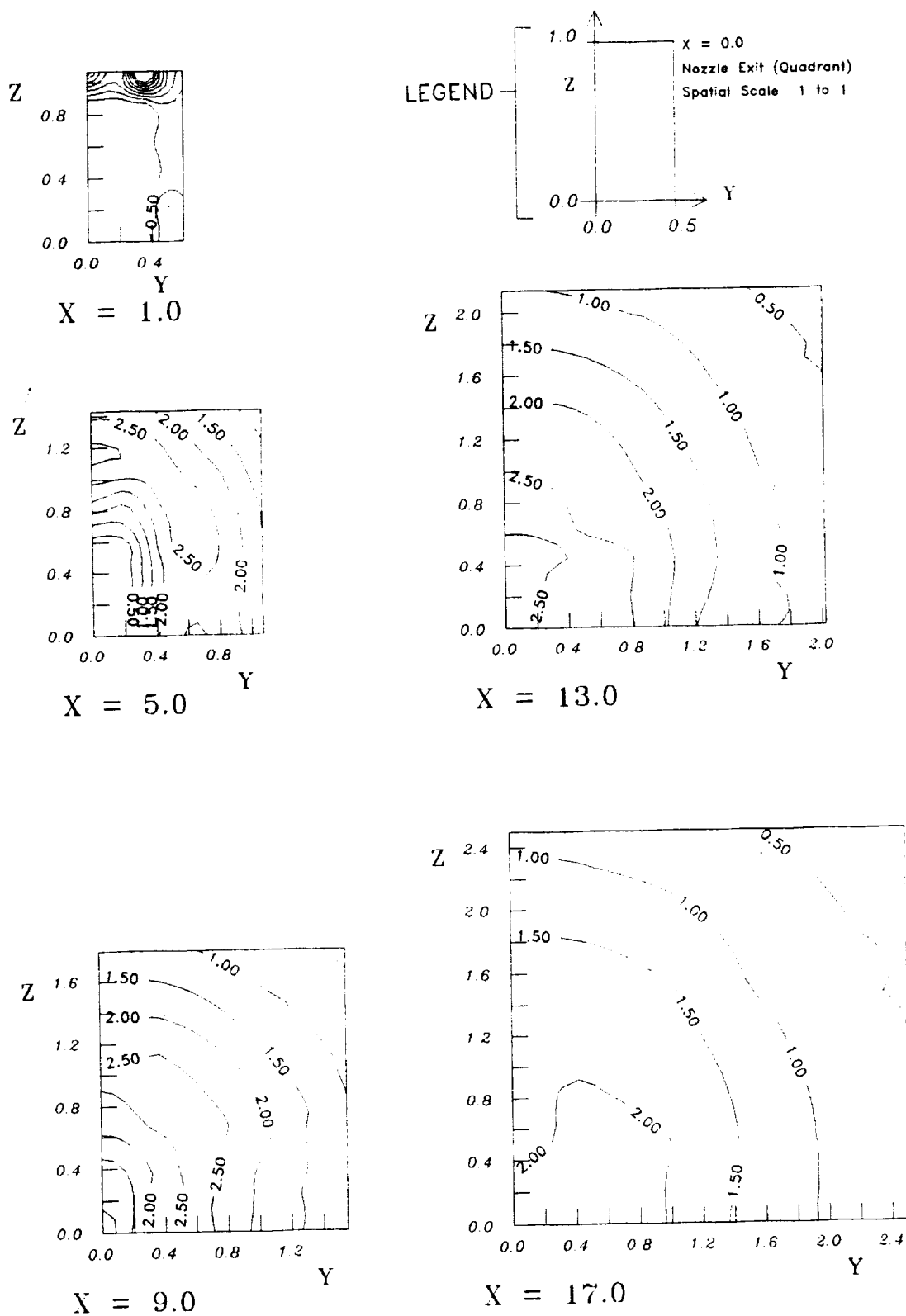
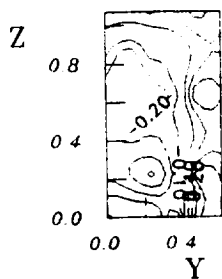
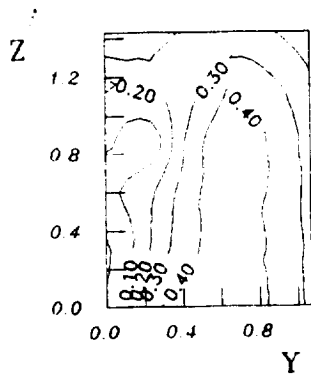


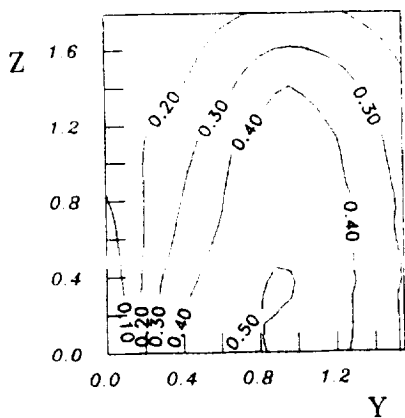
Fig. 67 1x2 Nozzle $M=0.9$ $k/(UeUe) \times 100$



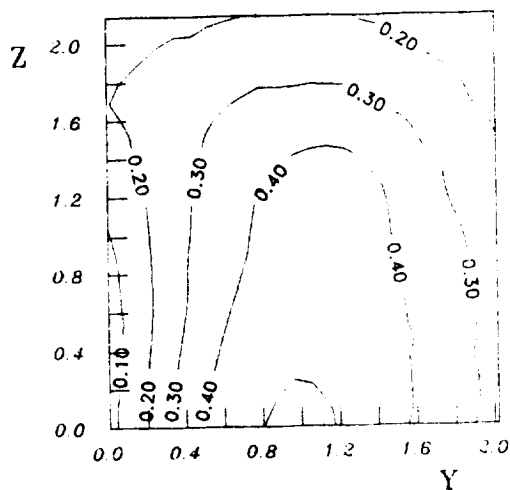
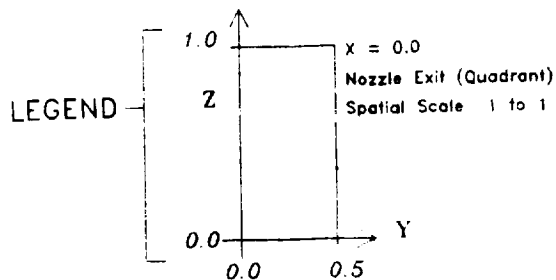
X = 1.0



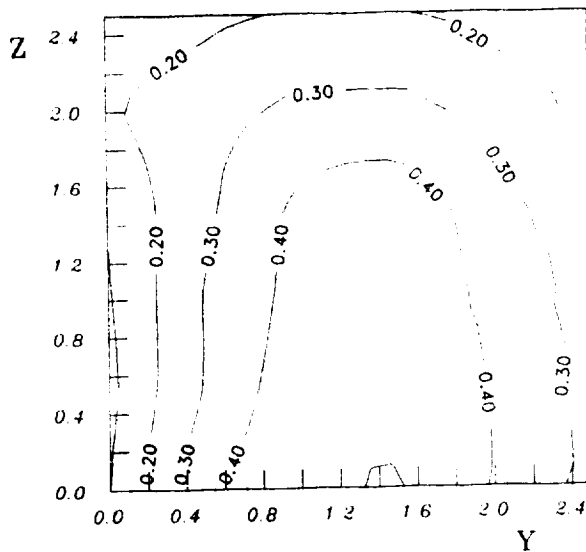
X = 5.0



X = 9.0



X = 13.0



X = 17.0

Fig. 68 1x2 Nozzle M=0.9 C.C.(uv)

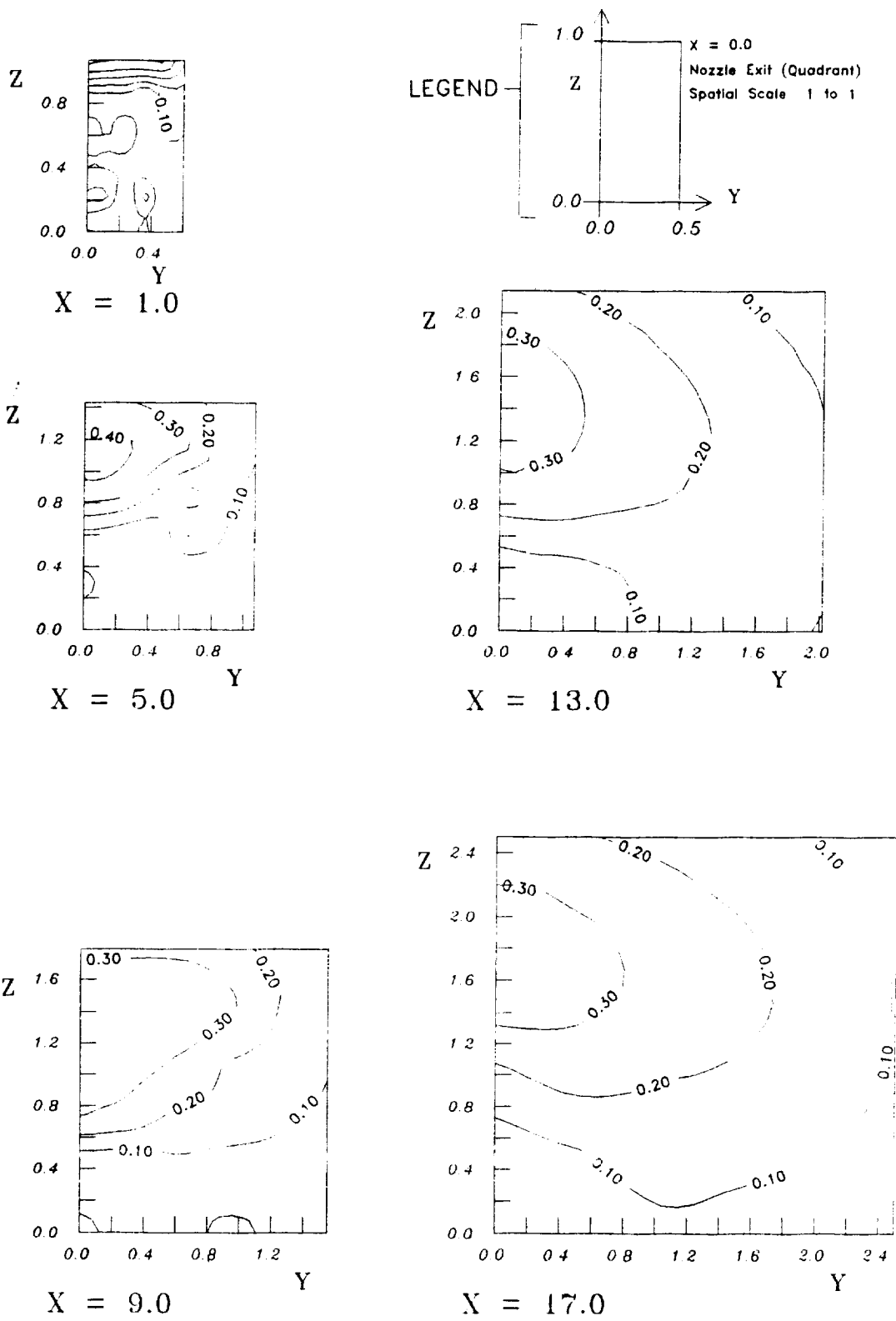
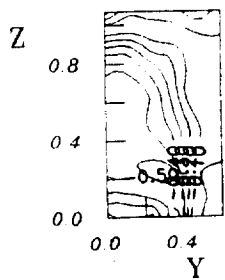
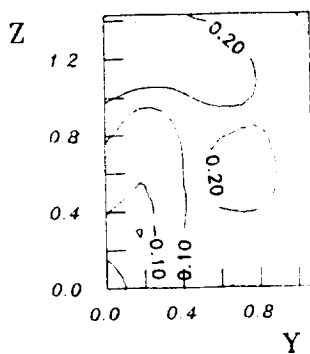


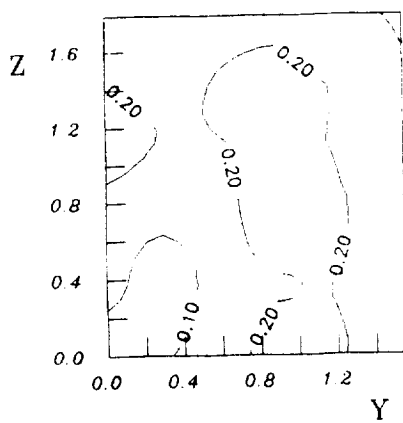
Fig. 69 1x2 Nozzle $M=0.9$ C.C.(uw)



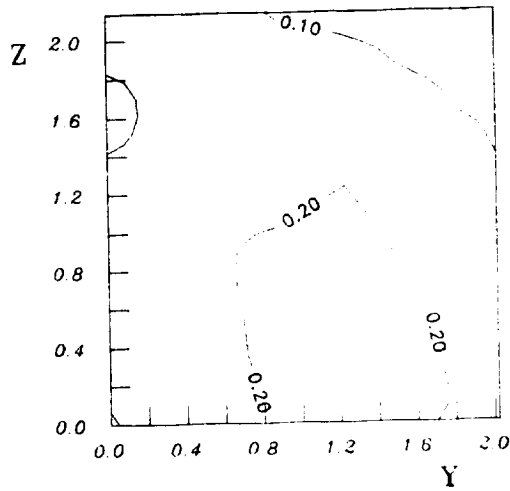
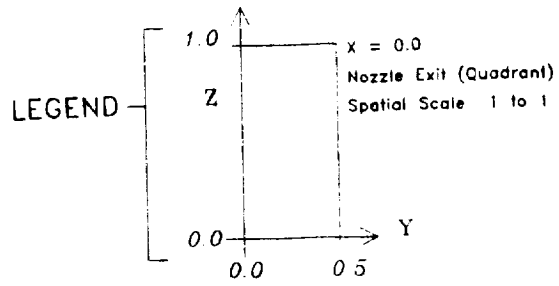
X = 1.0



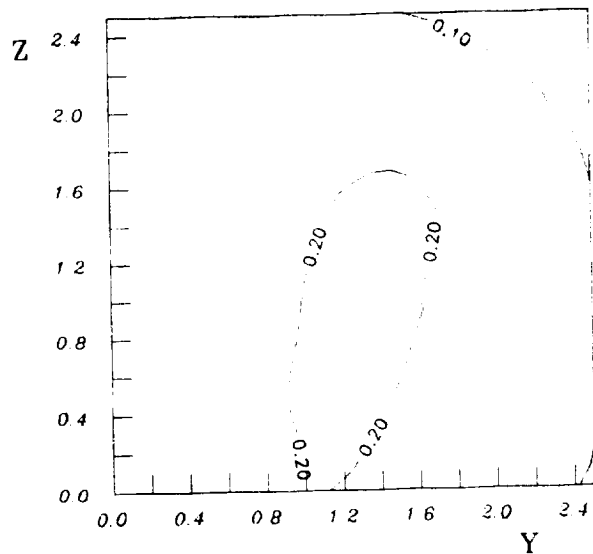
X = 5.0



X = 9.0



X = 13.0



X = 17.0

Fig. 70 1x2 Nozzle M=0.9 C.C.(vw)

APPENDICES

- A) Nozzle Dimensions and Plenum Drawing
- B) Vector Transformation of the Measured Data

Appendix A

Nozzle Dimensions and Plenum Drawing

The rectangular jets were produced by smoothly converging nozzles that had exit dimensions of 25.4 x 50.8 mm and 12.7 x 50.8 mm for the 1x2 and 1x4 aspect ratio jets respectively. Each nozzle converged from a circular cross section of approximately 300 mm to the rectangular cross section. The rectangular cross section was maintained approximately 50 mm before the nozzle exit.

The nozzles were constructed by layering fiber glass on a metal mandrel. Before the fiberglass was laid a *gel coat* was sprayed on the mandrel, thus giving the inside of the finished nozzle a smooth surface. Dimensions of the mandrels used to construct the two nozzles are given in Table A-1, A-2 and Figure A-1, a drawing of the mandrel is provided in Figure A-2. The mandrel dimensions were scaled from a NASA rectangular nozzle construction drawing, (drawing # LD-204685, Langley Research Center Hampton Virginia 23665). The X dimension is length, the R dimension is radius, the Y and Z dimensions are minor and major axis respectively. The circular to rectangular profile was constructed in the following manner: a) the material was placed in a numerical lathe and turned to the given X-R profile. The material was then placed in a numerical mill where the X-Y and X-Z profiles were cut at a 90° angle to each other. The dimensions were held to a 5/1000 inch tolerance, and the finish was sanded smooth.

The flow straightening plenum consisted of a 300 mm diameter schedule 40 PVC pipe with internal perforated plates, honeycomb, and fine screens. Dimensions and a cross-sectional view are provided in Figure 3A.

Table 1A
1x2 Nozzle Mandrel Coordinates
Note Dimensions in Inches

| X | R | Z | Y |
|------|-------|-------|-------|
| .00 | 1.200 | 1.000 | .500 |
| .10 | 1.200 | 1.000 | .500 |
| .20 | 1.200 | 1.000 | .500 |
| .30 | 1.200 | 1.000 | .500 |
| .40 | 1.200 | 1.000 | .500 |
| .50 | 1.200 | 1.000 | .500 |
| .60 | 1.200 | 1.000 | .500 |
| .70 | 1.200 | 1.000 | .500 |
| .80 | 1.200 | 1.000 | .500 |
| .90 | 1.200 | 1.000 | .500 |
| 1.00 | 1.200 | 1.000 | .500 |
| 1.10 | 1.201 | 1.000 | .500 |
| 1.20 | 1.203 | 1.000 | .500 |
| 1.30 | 1.204 | 1.001 | .501 |
| 1.40 | 1.206 | 1.002 | .502 |
| 1.50 | 1.208 | 1.004 | .504 |
| 1.60 | 1.211 | 1.006 | .507 |
| 1.70 | 1.215 | 1.010 | .511 |
| 1.80 | 1.221 | 1.015 | .517 |
| 1.90 | 1.227 | 1.021 | .523 |
| 2.00 | 1.235 | 1.029 | .532 |
| 2.10 | 1.245 | 1.039 | .543 |
| 2.20 | 1.257 | 1.050 | .555 |
| 2.30 | 1.271 | 1.063 | .569 |
| 2.40 | 1.287 | 1.078 | .586 |
| 2.50 | 1.306 | 1.096 | .605 |
| 2.60 | 1.327 | 1.116 | .627 |
| 2.70 | 1.350 | 1.138 | .651 |
| 2.80 | 1.376 | 1.162 | .678 |
| 2.90 | 1.405 | 1.189 | .708 |
| 3.00 | 1.436 | 1.219 | .741 |
| 3.10 | 1.470 | 1.251 | .776 |
| 3.20 | 1.507 | 1.286 | .814 |
| 3.30 | 1.547 | 1.323 | .856 |
| 3.40 | 1.589 | 1.364 | .900 |
| 3.50 | 1.635 | 1.407 | .947 |
| 3.60 | 1.683 | 1.453 | .998 |
| 3.70 | 1.733 | 1.501 | 1.051 |
| 3.80 | 1.787 | 1.552 | 1.107 |
| 3.90 | 1.843 | 1.606 | 1.166 |
| 4.00 | 1.901 | 1.662 | 1.228 |
| 4.10 | 1.962 | 1.721 | 1.293 |
| 4.20 | 2.025 | 1.782 | 1.361 |
| 4.30 | 2.090 | 1.846 | 1.431 |
| 4.40 | 2.157 | 1.912 | 1.503 |
| 4.50 | 2.226 | 1.980 | 1.578 |
| 4.60 | 2.297 | 2.050 | 1.655 |

Table 1A Continued

| X | R | Z | Y |
|------|-------|-------|-------|
| 4.70 | 2.370 | 2.122 | 1.734 |
| 4.80 | 2.444 | 2.196 | 1.816 |
| 4.90 | 2.519 | 2.271 | 1.899 |
| 5.00 | 2.592 | 2.346 | 1.981 |
| 5.10 | 2.666 | 2.421 | 2.065 |
| 5.20 | 2.741 | 2.498 | 2.150 |
| 5.30 | 2.817 | 2.575 | 2.236 |
| 5.40 | 2.892 | 2.654 | 2.322 |
| 5.50 | 2.968 | 2.732 | 2.410 |
| 5.60 | 3.044 | 2.811 | 2.497 |
| 5.70 | 3.119 | 2.890 | 2.585 |
| 5.80 | 3.194 | 2.970 | 2.673 |
| 5.90 | 3.269 | 3.049 | 2.760 |
| 6.00 | 3.346 | 3.131 | 2.851 |
| 6.10 | 3.423 | 3.213 | 2.941 |
| 6.20 | 3.500 | 3.295 | 3.031 |
| 6.30 | 3.576 | 3.377 | 3.121 |
| 6.40 | 3.651 | 3.458 | 3.210 |
| 6.50 | 3.726 | 3.539 | 3.299 |
| 6.60 | 3.800 | 3.619 | 3.387 |
| 6.70 | 3.873 | 3.698 | 3.475 |
| 6.80 | 3.945 | 3.777 | 3.562 |
| 6.90 | 4.016 | 3.855 | 3.648 |
| 7.00 | 4.086 | 3.933 | 3.733 |
| 7.10 | 4.156 | 4.009 | 3.817 |
| 7.20 | 4.224 | 4.084 | 3.900 |
| 7.30 | 4.292 | 4.159 | 3.981 |
| 7.40 | 4.358 | 4.232 | 4.062 |
| 7.50 | 4.423 | 4.304 | 4.141 |
| 7.60 | 4.487 | 4.375 | 4.219 |
| 7.70 | 4.550 | 4.445 | 4.296 |
| 7.80 | 4.612 | 4.513 | 4.371 |
| 7.90 | 4.673 | 4.580 | 4.445 |
| 8.00 | 4.732 | 4.646 | 4.517 |
| 8.10 | 4.790 | 4.710 | 4.587 |
| 8.20 | 4.847 | 4.772 | 4.656 |
| 8.30 | 4.902 | 4.833 | 4.723 |
| 8.40 | 4.956 | 4.893 | 4.789 |
| 8.50 | 5.009 | 4.950 | 4.852 |
| 8.60 | 5.061 | 5.006 | 4.914 |
| 8.70 | 5.111 | 5.061 | 4.974 |
| 8.80 | 5.160 | 5.114 | 5.032 |
| 8.90 | 5.207 | 5.165 | 5.088 |
| 9.00 | 5.253 | 5.214 | 5.162 |
| 9.10 | 5.298 | 5.261 | 5.194 |
| 9.20 | 5.341 | 5.307 | 5.244 |
| 9.30 | 5.382 | 5.351 | 5.293 |
| 9.40 | 5.423 | 5.393 | 5.339 |
| 9.50 | 5.462 | 5.433 | 5.383 |

Table 1A Continued

| X | R | Z | Y |
|-------|-------|-------|-------|
| 9.60 | 5.499 | 5.472 | 5.426 |
| 9.70 | 5.535 | 5.509 | 5.466 |
| 9.80 | 5.569 | 5.544 | 5.505 |
| 9.90 | 5.602 | 5.577 | 5.541 |
| 10.00 | 5.633 | 5.608 | 5.576 |
| 10.10 | 5.663 | 5.638 | 5.608 |
| 10.20 | 5.692 | 5.666 | 5.639 |
| 10.30 | 5.719 | 5.692 | 5.668 |
| 10.40 | 5.744 | 5.717 | 5.695 |
| 10.50 | 5.768 | 5.740 | 5.720 |
| 10.60 | 5.791 | 5.761 | 5.744 |
| 10.70 | 5.812 | 5.781 | 5.766 |
| 10.80 | 5.832 | 5.799 | 5.786 |
| 10.90 | 5.850 | 5.816 | 5.805 |
| 11.00 | 5.867 | 5.832 | 5.822 |
| 11.10 | 5.882 | 5.846 | 5.837 |
| 11.20 | 5.896 | 5.858 | 5.851 |
| 11.30 | 5.909 | 5.870 | 5.864 |
| 11.40 | 5.920 | 5.880 | 5.875 |
| 11.50 | 5.930 | 5.889 | 5.885 |
| 11.60 | 5.933 | 5.897 | 5.894 |
| 11.70 | 5.933 | 5.904 | 5.901 |
| 11.80 | 5.933 | 5.910 | 5.908 |
| 11.90 | 5.933 | 5.915 | 5.914 |
| 12.00 | 5.933 | 5.920 | 5.918 |
| 12.10 | 5.933 | 5.923 | 5.922 |
| 12.20 | 5.933 | 5.926 | 5.925 |
| 12.30 | 5.933 | 5.928 | 5.928 |
| 12.40 | 5.933 | 5.930 | 5.929 |
| 12.50 | 5.933 | 5.931 | 5.931 |
| 12.60 | 5.933 | 5.932 | 5.932 |
| 12.70 | 5.933 | 5.932 | 5.932 |
| 12.80 | 5.933 | 5.932 | 5.932 |
| 12.90 | 5.933 | 5.932 | 5.932 |
| 13.00 | 5.933 | 5.933 | 5.933 |

Table 2A
1x4 Nozzle Mandrel Coordinates
Note Dimensions in Inches

| X | R | Z | Y |
|------|-------|-------|-------|
| .00 | 1.200 | 1.000 | .250 |
| .10 | 1.200 | 1.000 | .250 |
| .20 | 1.200 | 1.000 | .250 |
| .30 | 1.200 | 1.000 | .250 |
| .40 | 1.200 | 1.000 | .250 |
| .50 | 1.200 | 1.000 | .250 |
| .60 | 1.200 | 1.000 | .250 |
| .70 | 1.200 | 1.000 | .250 |
| .80 | 1.200 | 1.000 | .250 |
| .90 | 1.200 | 1.000 | .250 |
| 1.00 | 1.200 | 1.000 | .250 |
| 1.10 | 1.201 | 1.000 | .250 |
| 1.20 | 1.203 | 1.000 | .250 |
| 1.30 | 1.204 | 1.001 | .251 |
| 1.40 | 1.206 | 1.002 | .251 |
| 1.50 | 1.208 | 1.004 | .253 |
| 1.60 | 1.211 | 1.006 | .254 |
| 1.70 | 1.215 | 1.010 | .257 |
| 1.80 | 1.221 | 1.015 | .261 |
| 1.90 | 1.227 | 1.021 | .265 |
| 2.00 | 1.235 | 1.029 | .271 |
| 2.10 | 1.245 | 1.039 | .277 |
| 2.20 | 1.257 | 1.050 | .286 |
| 2.30 | 1.271 | 1.063 | .295 |
| 2.40 | 1.287 | 1.078 | .306 |
| 2.50 | 1.306 | 1.096 | .319 |
| 2.60 | 1.327 | 1.116 | .334 |
| 2.70 | 1.350 | 1.138 | .351 |
| 2.80 | 1.376 | 1.162 | .370 |
| 2.90 | 1.405 | 1.189 | .391 |
| 3.00 | 1.436 | 1.219 | .415 |
| 3.10 | 1.470 | 1.251 | .441 |
| 3.20 | 1.507 | 1.286 | .470 |
| 3.30 | 1.547 | 1.323 | .501 |
| 3.40 | 1.589 | 1.364 | .536 |
| 3.50 | 1.635 | 1.407 | .573 |
| 3.60 | 1.683 | 1.453 | .614 |
| 3.70 | 1.733 | 1.501 | .657 |
| 3.80 | 1.787 | 1.552 | .704 |
| 3.90 | 1.843 | 1.606 | .754 |
| 4.00 | 1.901 | 1.662 | .807 |
| 4.10 | 1.962 | 1.721 | .864 |
| 4.20 | 2.025 | 1.782 | .924 |
| 4.30 | 2.090 | 1.846 | .987 |
| 4.40 | 2.157 | 1.912 | 1.053 |
| 4.50 | 2.226 | 1.980 | 1.122 |
| 4.60 | 2.297 | 2.050 | 1.195 |

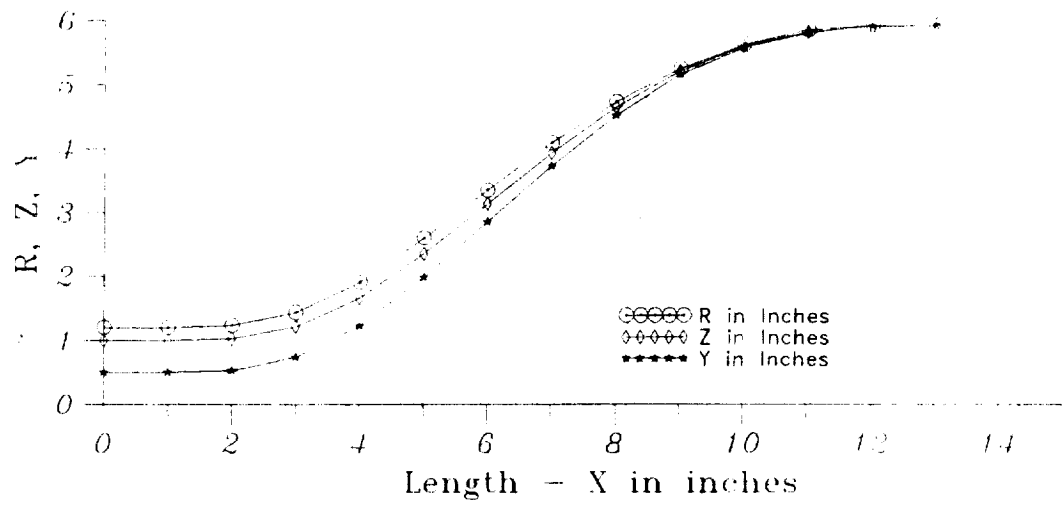
Table 2A Continued

| X | R | Z | Y |
|------|-------|-------|-------|
| 4.70 | 2.370 | 2.122 | 1.270 |
| 4.80 | 2.444 | 2.196 | 1.348 |
| 4.90 | 2.519 | 2.271 | 1.429 |
| 5.00 | 2.595 | 2.348 | 1.513 |
| 5.10 | 2.673 | 2.427 | 1.599 |
| 5.20 | 2.751 | 2.506 | 1.687 |
| 5.30 | 2.830 | 2.587 | 1.777 |
| 5.40 | 2.909 | 2.669 | 1.869 |
| 5.50 | 2.988 | 2.751 | 1.962 |
| 5.60 | 3.068 | 2.834 | 2.057 |
| 5.70 | 3.148 | 2.917 | 2.153 |
| 5.80 | 3.227 | 3.000 | 2.250 |
| 5.90 | 3.306 | 3.083 | 2.348 |
| 6.00 | 3.384 | 3.167 | 2.446 |
| 6.10 | 3.461 | 3.249 | 2.543 |
| 6.20 | 3.538 | 3.331 | 2.641 |
| 6.30 | 3.614 | 3.412 | 2.739 |
| 6.40 | 3.689 | 3.493 | 2.837 |
| 6.50 | 3.763 | 3.574 | 2.935 |
| 6.60 | 3.836 | 3.654 | 3.032 |
| 6.70 | 3.909 | 3.733 | 3.129 |
| 6.80 | 3.981 | 3.812 | 3.226 |
| 6.90 | 4.052 | 3.889 | 3.322 |
| 7.00 | 4.121 | 3.966 | 3.417 |
| 7.10 | 4.190 | 4.042 | 3.511 |
| 7.20 | 4.258 | 4.117 | 3.604 |
| 7.30 | 4.325 | 4.191 | 3.697 |
| 7.40 | 4.390 | 4.263 | 3.788 |
| 7.50 | 4.455 | 4.335 | 3.877 |
| 7.60 | 4.518 | 4.405 | 3.966 |
| 7.70 | 4.580 | 4.474 | 4.053 |
| 7.80 | 4.641 | 4.541 | 4.138 |
| 7.90 | 4.700 | 4.607 | 4.222 |
| 8.00 | 4.759 | 4.672 | 4.304 |
| 8.10 | 4.816 | 4.735 | 4.384 |
| 8.20 | 4.872 | 4.797 | 4.463 |
| 8.30 | 4.926 | 4.857 | 4.540 |
| 8.40 | 4.979 | 4.915 | 4.614 |
| 8.50 | 5.031 | 4.971 | 4.687 |
| 8.60 | 5.081 | 5.026 | 4.757 |
| 8.70 | 5.130 | 5.080 | 4.826 |
| 8.80 | 5.177 | 5.131 | 4.892 |
| 8.90 | 5.223 | 5.181 | 4.956 |
| 9.00 | 5.268 | 5.229 | 5.018 |
| 9.10 | 5.311 | 5.275 | 5.078 |
| 9.20 | 5.353 | 5.319 | 5.135 |
| 9.30 | 5.393 | 5.362 | 5.190 |
| 9.40 | 5.432 | 5.402 | 5.243 |
| 9.50 | 5.469 | 5.441 | 5.294 |

Table 2A Continued

| X | R | Z | Y |
|-------|-------|-------|-------|
| 9.60 | 5.505 | 5.478 | 5.342 |
| 9.70 | 5.539 | 5.513 | 5.388 |
| 9.80 | 5.572 | 5.547 | 5.432 |
| 9.90 | 5.604 | 5.578 | 5.473 |
| 10.00 | 5.633 | 5.608 | 5.512 |
| 10.10 | 5.663 | 5.638 | 5.550 |
| 10.20 | 5.692 | 5.666 | 5.587 |
| 10.30 | 5.719 | 5.692 | 5.621 |
| 10.40 | 5.744 | 5.717 | 5.653 |
| 10.50 | 5.768 | 5.740 | 5.682 |
| 10.60 | 5.791 | 5.761 | 5.710 |
| 10.70 | 5.812 | 5.781 | 5.736 |
| 10.80 | 5.832 | 5.799 | 5.760 |
| 10.90 | 5.850 | 5.816 | 5.781 |
| 11.00 | 5.867 | 5.832 | 5.801 |
| 11.10 | 5.882 | 5.846 | 5.820 |
| 11.20 | 5.896 | 5.858 | 5.836 |
| 11.30 | 5.909 | 5.870 | 5.851 |
| 11.40 | 5.920 | 5.880 | 5.864 |
| 11.50 | 5.930 | 5.889 | 5.876 |
| 11.60 | 5.933 | 5.897 | 5.887 |
| 11.70 | 5.933 | 5.904 | 5.896 |
| 11.80 | 5.933 | 5.910 | 5.903 |
| 11.90 | 5.933 | 5.915 | 5.910 |
| 12.00 | 5.933 | 5.920 | 5.916 |
| 12.10 | 5.933 | 5.923 | 5.920 |
| 12.20 | 5.933 | 5.926 | 5.924 |
| 12.30 | 5.933 | 5.928 | 5.927 |
| 12.40 | 5.933 | 5.930 | 5.929 |
| 12.50 | 5.933 | 5.931 | 5.930 |
| 12.60 | 5.933 | 5.932 | 5.931 |
| 12.70 | 5.933 | 5.932 | 5.932 |
| 12.80 | 5.933 | 5.932 | 5.932 |
| 12.90 | 5.933 | 5.932 | 5.932 |
| 13.00 | 5.933 | 5.933 | 5.933 |

1x2 Nozzle Coordinates



1x4 Nozzle Coordinates

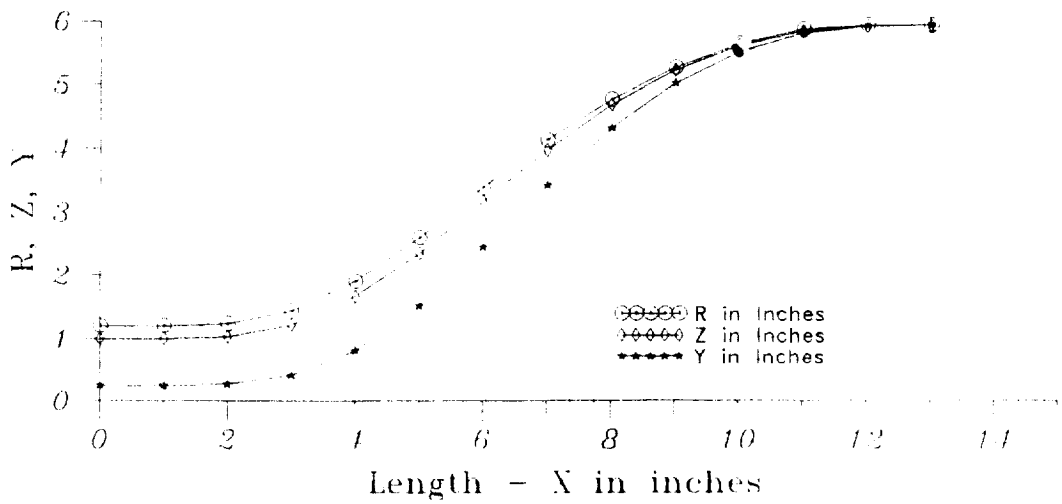
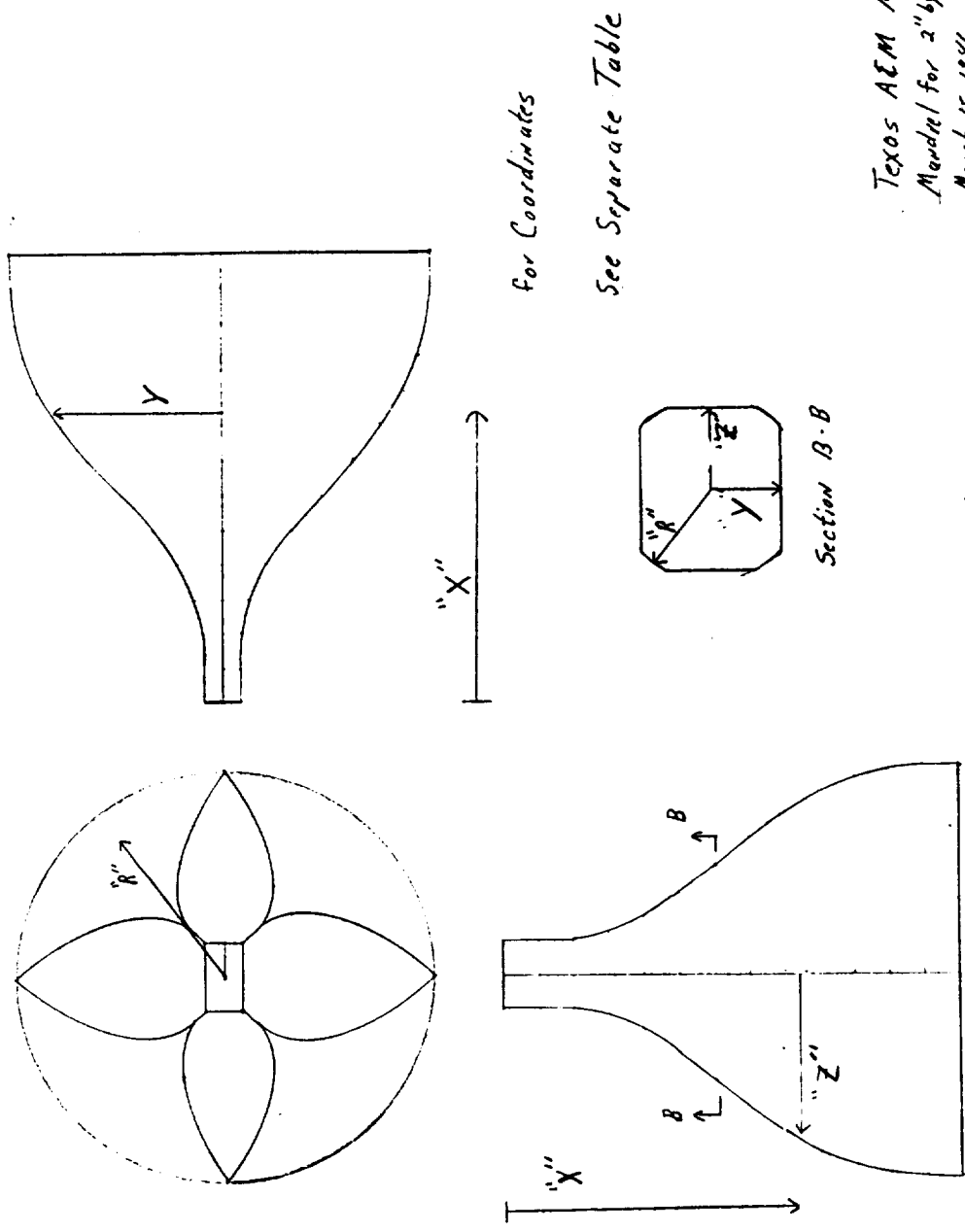


Fig. A1 Internal Nozzle Coordinates

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For Coordinates
See Separate Table

Texas A&M Mech. Eng.
Mandrel for 2" by 1" Nozzle
March 15, 1988 D. Swan

Figure A2
Nozzle Construction Mandrel

APPENDIX B

Vector Transformation of the Measured Data

The LDV system measures the flow velocity in a non-orthogonal coordinate system. This non-orthogonal coordinate system is referred to as the color coordinates, in reference to the laser beam colors that measure each component (green, blue, violet). Each color measures a component of the velocity vector. The particular component is dependent on the LDV system configuration and alignment. These vector component values are transformed to an orthogonal coordinate system by the following vector transformation.

Vector Algebra for 3-D LDV

Referring to the Nozzle Coordinate System of X, Y, and Z (Figure B-1), the non orthogonal color coordinate system is as follows:

- The green color measurement is always made in the XZ plane, and can be rotated by θ_g in that plane. The green color can measure components of U^g and W .
- The blue color measurement is always made in the XZ plane, and can be rotated by θ_b in that plane. The blue color can measure components of U and W .
- The violet color measurement is always made in the plane that is parallel to the XZ plane but at an angle α to it. The violet measurement direction can be rotated by θ_v in that plane. The blue color can measure components of U , V , and W .

The cartesian coordinate system unit vectors in the color directions are as follows:

$$\hat{e}_g = \hat{i} \cos \theta_g + \hat{j} 0 + \hat{k} \sin \theta_g \rightarrow \text{Unit vector - green direction}$$

$$\hat{e}_b = \hat{i} \cos \theta_b + \hat{j} 0 + \hat{k} \sin \theta_b \rightarrow \text{Unit vector - blue direction}$$

$$\hat{e}_v = \hat{i} \cos \theta_v + \hat{j} \sin \alpha \cos \theta_v + \hat{k} \sin \alpha \sin \theta_v \rightarrow \text{Unit vector - violet direction.}$$

The unit vectors can be used to derive the following equation where the color velocities (V_c) can be calculated given the orthogonal values of velocity (U_i)

$$\begin{bmatrix} K \end{bmatrix} \begin{bmatrix} U_i \end{bmatrix} = \begin{bmatrix} V_c \end{bmatrix}$$

The terms $[K]$, (U_i) , and (V_c) are as follows

$$\begin{bmatrix} \cos \theta_g & 0 & \sin \theta_g \\ \cos \theta_v & \sin \alpha \cos \theta_v & \sin \alpha \sin \theta_v \\ \cos \theta_b & 0 & \sin \theta_b \end{bmatrix}_K \begin{bmatrix} U \\ V \\ W \end{bmatrix}_{U_i} = \begin{bmatrix} V_g \\ V_b \\ V_v \end{bmatrix}_{V_c}$$

By inverting the [K] matrix, (U_i) can be solved for given the (V_c) matrix.

$$\begin{bmatrix} U_i \end{bmatrix} = \begin{bmatrix} K \end{bmatrix}^{-1} \begin{bmatrix} V_c \end{bmatrix}$$

Let

$$\begin{bmatrix} C \end{bmatrix} = \begin{bmatrix} K \end{bmatrix}^{-1} = \begin{bmatrix} C1 & C2 & C3 \\ C4 & C5 & C6 \\ C7 & C8 & C9 \end{bmatrix}$$

The determinant of the [C] matrix (D) is as follows:

$$D = -\cos(\theta_g) * \sin(\theta_b) * \cos(\theta_v) * \sin(\alpha) - \cos(\theta_b) * \sin(\theta_g) * \cos(\theta_v) * \sin(\alpha)$$

The individual terms in the matrix [C] are as follows:

$$\begin{aligned} C1 &= -\sin(\theta_b) * \cos(\theta_v) * \sin(\alpha) / D \\ C2 &= -\sin(\theta_g) * \cos(\theta_v) * \sin(\alpha) / D \\ C3 &= 0 \\ C4 &= (-\sin(\theta_b) * \sin(\theta_v) - \cos(\theta_b) * \cos(\theta_v) * \cos(\alpha)) / D \\ C5 &= (\cos(\theta_g) * \cos(\theta_v) * \cos(\alpha) - \sin(\theta_g) * \sin(\theta_v)) / D \\ C6 &= (\sin(\theta_g) * \cos(\theta_b) + \cos(\theta_g) * \sin(\theta_b)) / D \\ C7 &= -\cos(\theta_b) * \cos(\theta_v) * \sin(\alpha) / D \\ C8 &= \cos(\theta_g) * \cos(\theta_v) * \sin(\alpha) / D \\ C9 &= 0 \end{aligned}$$

Thus to transform the measured color velocities to orthogonal velocities:

$$\begin{bmatrix} U \\ V \\ W \end{bmatrix} = \begin{bmatrix} C1 & C2 & C3 \\ C4 & C5 & C6 \\ C7 & C8 & C9 \end{bmatrix} \begin{bmatrix} V_g \\ V_b \\ V_v \end{bmatrix}$$

Using the velocity transformation the Reynolds terms (variance and covariance of velocity) may be calculated in terms of the [C] matrix terms.

$$\begin{bmatrix} Re_i \end{bmatrix} = \begin{bmatrix} C_{Re} \end{bmatrix} \begin{bmatrix} Re_c \end{bmatrix}$$

This results in the following matrices.

$$\begin{bmatrix} \overline{uu} \\ \overline{vv} \\ \overline{ww} \\ \overline{uv} \\ \overline{uw} \\ \overline{vw} \end{bmatrix} = \begin{bmatrix} C_1^2 & C_2^2 & C_3^2 & 2C_1 \cdot C_2 & 2C_1 \cdot C_3 & 2C_2 \cdot C_3 \\ C_4^2 & C_5^2 & C_6^2 & 2C_4 \cdot C_5 & 2C_4 \cdot C_6 & 2C_5 \cdot C_6 \\ C_7^2 & C_8^2 & C_9^2 & 2C_7 \cdot C_8 & 2C_7 \cdot C_9 & 2C_8 \cdot C_9 \\ C_1 \cdot C_4 & C_2 \cdot C_5 & C_3 \cdot C_6 & C_1 \cdot C_5+ & C_1 \cdot C_6+ & C_2 \cdot C_6+ \\ & & & C_2 \cdot C_4 & C_3 \cdot C_4 & C_3 \cdot C_5 \\ C_1 \cdot C_7 & C_2 \cdot C_8 & C_3 \cdot C_9 & C_1 \cdot C_8+ & C_1 \cdot C_9+ & C_2 \cdot C_9+ \\ & & & C_2 \cdot C_7 & C_3 \cdot C_7 & C_3 \cdot C_8 \\ C_4 \cdot C_7 & C_5 \cdot C_8 & C_6 \cdot C_9 & C_4 \cdot C_8+ & C_6 \cdot C_7+ & C_6 \cdot C_8+ \\ & & & C_5 \cdot C_7 & C_4 \cdot C_9 & C_5 \cdot C_9 \end{bmatrix} \begin{bmatrix} \overline{gg} \\ \overline{bb} \\ \overline{vv} \\ \overline{gb} \\ \overline{gv} \\ \overline{bv} \end{bmatrix}$$

Note \overline{uu} , \overline{vv} , \overline{ww} , \overline{uv} , \overline{uw} , \overline{vw} are the cartesian coordinate system Reynolds terms.

and \overline{gg} , \overline{bb} , \overline{vv} , \overline{gb} , \overline{gv} , \overline{bv} are the color coordinate system Reynolds terms (green, blue, violet).

Error Amplification Due To Vector Transformation

The LDV system makes measurements in a color coordinate system and these measurements are then transformed to an orthogonal coordinate system. Any errors that occur in the color measurements may be amplified by the coordinate transformation. The measured data was taken using 3 different laser system alignments and, as a result, was transformed using 3 different [C] and [C_{Re}] matrices, see Table B-1. Each of the three data types (the mean, variance and covariance of the orthogonal velocity components) will be analyzed for a worst case amplification of error.

Mean Velocity Transformation

The \bar{U}_i values are calculated by multiplying the constants in the [C] matrix by the \bar{V}_c terms. Examination the [C] matrix terms in Table B-1 shows that they are in some cases much larger than 1 thus amplifying any error in a color measurement.

The worst case for amplified error is for the 1x2 nozzle Mach 0.09, V velocity calculation. In this case, the color velocities of \bar{V}_g , \bar{V}_b , and \bar{V}_v are multiplied by 2.7, 0.21 and -2.89 respectively. Assuming that the maximum error in any mean velocity measurement was 0.1 m/s (0.5% of measured color velocity), a worst case error would be where the \bar{V}_g and \bar{V}_b values increased by 0.1 and the \bar{V}_v value decreased by 0.1 m/s. This worst case would accumulate a total error of $0.27+0.021+0.289 = 0.58$ m/s on \bar{V} . This worst case error could represent up to 100% of the \bar{V} value.

Velocity Variance Transformation

The first three rows of the [C_{Re}] matrix calculate the velocity variance terms (\overline{uu} , \overline{vv} , \overline{ww}). In calculating the term, \overline{vv} , the largest coefficients in the C_{Re} matrix are used and, thus, \overline{vv} is most susceptible to amplification of errors. The calculation of \overline{vv} involves color variance and color covariance terms. Random errors will tend to increase the color variance while random errors will tend to decrease the color covariance.

The worst case for amplified variance error is for the 1x2 nozzle Mach 0.09, \overline{vv} calculation. In this case, the C_{Re} coefficients are 7.28, 0.04, 8.34, 1.11, -15.6, and -1.19 respectively. Choosing an absolute color variance error of $0.1 \text{ m}^2/\text{s}^2$ (1% of high turbulence

measurements) and a covariance error of $0.2 \text{ m}^2/\text{s}^2$, a worst case amplification of error would be $0.728+0.004+0.834+0.222+3.12+0.238 = 5.15 \text{ m}^2/\text{s}^2$. This worst case error would represent 50% to 100% of most calculated values of $\overline{v\dot{v}}$.

Velocity Covariance Transformation

The last three rows of the $[C_{Re}]$ matrix calculate the covariance terms ($\overline{u\dot{v}}$, $\overline{u\dot{w}}$, $\overline{v\dot{w}}$). In calculating the $\overline{u\dot{v}}$ term the largest coefficients in the C_{Re} matrix are used and, thus, $\overline{u\dot{v}}$ is most susceptible to amplification of errors.

Once again the worst case for amplified variance error is for the 1x2 nozzle Mach 0.09, $\overline{u\dot{v}}$ calculation. In this case, the C_{Re} coefficients are 1.92, 0.14, 0.0, 2.02, -2.05, and -2.01 respectively. Choosing an absolute color variance error of $0.1 \text{ m}^2/\text{s}^2$ (1% of high turbulence measurements) and a covariance error of $0.2 \text{ m}^2/\text{s}^2$, a worst case amplification of error would be $0.192+0.014+0.0+0.202+0.205+0.201 = 0.814 \text{ m}^2/\text{s}^2$. This worst case error would represent 15% to 25% of most calculated values of $\overline{u\dot{v}}$.

Table B-1
Transformation Matrices

| Case | A | B | C |
|--------------|------|-------|------|
| Mach # | 0.09 | 0.09 | 0.9 |
| A.R. | 1x2 | 1x4 | 1x2 |
| α | 30.0 | 30.0 | 30.0 |
| θ_b^g | 44.1 | 91.5 | 46.1 |
| θ_b^g | 45.3 | .0 | 45.7 |
| θ_v | 46.2 | 177.6 | 44.6 |
| D^v | -.35 | .50 | -.36 |

Case A (1x2 Nozzle, Mach # =0.09)

$$\begin{aligned}
 \left[C \right]_A &= \begin{bmatrix} .71 & .70 & .00 \\ 2.70 & .21 & -2.89 \\ .70 & -.72 & .00 \end{bmatrix}_A \\
 \left[C_{Re} \right]_A &= \begin{bmatrix} .50 & .48 & .00 & .99 & .00 & .00 \\ 7.28 & .04 & 8.34 & 1.11 & -15.6 & -1.19 \\ .50 & .52 & .00 & -1.01 & .00 & .00 \\ 1.92 & .14 & .00 & 2.02 & -2.05 & -2.01 \\ .50 & -.50 & .00 & -.02 & .00 & .00 \\ 1.90 & -.15 & 0 & -1.79 & -2.03 & 2.07 \end{bmatrix}_A
 \end{aligned}$$

Case B (1x4 Nozzle, Mach # =0.09)

$$\begin{aligned}
 \left[C \right]_B &= \begin{bmatrix} .00 & 1.00 & .00 \\ 1.73 & -.04 & 2.00 \\ 1.00 & .03 & .00 \end{bmatrix}_B \\
 \left[C_{Re} \right]_B &= \begin{bmatrix} .00 & 1.00 & .00 & .00 & .00 & .00 \\ 3.00 & .00 & 4.01 & -.13 & 6.9 & -.14 \\ 1.00 & .00 & .00 & .05 & .00 & .00 \\ .00 & -.04 & .00 & 1.73 & .00 & 2.00 \\ .00 & .03 & .00 & 1.00 & .00 & .00 \\ 1.73 & -.00 & 0 & .01 & 2.00 & .05 \end{bmatrix}_B
 \end{aligned}$$



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| 16. Abstract This report presents flow field measurements of three subsonic rectangular cold air jets. The three cases presented had aspect ratios of 1x2, 1x4 at a Mach number of 0.09 and an aspect ratio of 1x2 at a Mach number of 0.9. All measurements were made using a three dimensional laser Doppler anemometer system. The presented data includes the mean velocity vector, all Reynolds stress tensor components, turbulent kinetic energy and velocity correlation coefficients. The data are presented in tabular and graphical form. No analysis of the measured data or comparison to other published data is made in this report. | | | | | |
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Table B-1 Continued

Case C (1x2 Nozzle, Mach # =0.9)

$$\begin{aligned}
 [c]_C &= \begin{bmatrix} .72 & .72 & .00 \\ 2.62 & .22 & -2.81 \\ .70 & -.69 & .00 \end{bmatrix}_C \\
 [C_{Re}]_C &= \begin{bmatrix} .51 & .52 & .00 & 1.03 & .00 & .00 \\ 6.88 & .05 & 7.89 & 1.15 & -14.7 & -1.23 \\ .49 & .48 & .00 & -.97 & .00 & .00 \\ 1.88 & .16 & .00 & 2.05 & -2.01 & -2.02 \\ .50 & -.50 & .00 & .01 & .00 & .00 \\ 1.83 & -.15 & 0 & -1.67 & -1.96 & 1.95 \end{bmatrix}_C
 \end{aligned}$$

